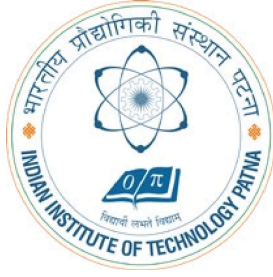


**English
Version**



Annual Report

वार्षिक प्रतिवेदन

2023 – 2024

भारतीय प्रौद्योगिकी संस्थान पटना
Indian Institute of Technology Patna



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Director's Address

It is with great pleasure I take this opportunity to acknowledge the hard work and commitments of our Faculty, Staff and Students who are working relentlessly for the institute. IIT Patna is achieving excellence in teaching and research and is marking their presence on all forum national and international.

Academics

Starting with 3 B. Tech. programme in 2008, IIT Patna today offers thirty-two (32) UG programs comprising of twelve (12) B. Tech. / B. S. 4-year program, eleven (11) B. Tech. – MBA dual degree program and one (01) B. S. – MBA dual degree program in collaboration with IIM Mumbai and IIM Bodh Gaya. IIT Patna is running eight (08) 5-year B. Tech. – M. Tech. dual degree program. As far as the postgraduate programme is concerned, IIT Patna offers fifteen (15) M. Tech. specializations and PhD Programs across ten (10) Departments with focus on Interdisciplinary area as well. Currently, there are 3501 students on the Roll UG and PG of IIT Patna.

IIT Patna is committed to adopting NEP 2020 in letter and spirit. The first step towards it is marked by commencement of hybrid UG program in streams of Computer Science and Business Management since July 2023 by creating a dedicated entity “Centre for Educational Technology (CET)” to disseminate quality and industry demand driven skill-based education without barriers making it affordable for all who need it. Under the aegis of CET; the following programs are being run: Hybrid UG Three (3 Year) Program – Intake of 1227

through national level entrance examination channel such as JEE Advance / JEE Mains / CUET / KVPY and Executive Program (M. Tech. and MBA) which has on roll sixteen hundred and eighty eight (1688) students.

Labs Developed

Over the last couple of years, instruments have been added to sophisticated Analytical Instrument Facility (SAIF). New labs in Department of Mechanical Engineering, Department of Metallurgical and Materials Engineering have been set up with support from various government agencies like Department of Science and Technology, Science and Engineering Research Board (SERB), Indian Council of Medical Research (ICMR) and from private entities like Rishi and Jyotsna Raj Centre for Electrification of Materials Manufacturing, Tata Steel etc.

Library

The Central Library has a collection of more than 27,000 print resources and subscription of all major cutting edge online journals & databases of all major international or national publishers. Central Library procured over 7500 e-books of major international publishers during the reporting year. In terms of e-resources IIT Patna rubs shoulders with all the IITs. As per Scopus, the total publication of IIT Patna is 6525. During the reporting year, faculty members of IIT Patna have published more than 1500 Scopus-indexed articles. The h-Index of the Institute is 88.



This year, IIT Patna is initiating three more 4-year programmes, namely, B.Tech. in AI and Data Science, B.Tech. in Engineering Physics, and BS in Mathematics and Computing. We have few more courses in pipeline and expected to get launched in near future. Our parent ministry's- MoE's continued support in this progress is gratefully acknowledged. Incubation Centre of IIT Patna is set up to promote innovation and entrepreneurship in the broad area of Electronic System Design and Manufacturing and Medical Electronics.



Research & Development (R&D)

The Institute is increasingly progressing in the area of R&D through projects, research publications, innovation, patents etc. The total number of Sponsored Projects (since inception) is 458. The total amount of grant sanctioned for Sponsored projects is approximately Rs 45849.14 Lacs. The total number of Consultancy Projects (since inception) is 390 and the total amount of grant sanctioned for Consultancy Projects is approximately Rs. 3664.62 Lacs. Till date, IIT Patna has filed 88 patents, of which 41 patents have been granted.

The Technology Innovation Hub (TIH) at IIT Patna has been actively fostering innovation and entrepreneurship through various initiatives across four key areas: Entrepreneurship, HRD& Skill Development, Technology Development and International Collaboration. TIH has successfully incubated sixteen deep technology startups from different parts of India, leading to the creation of 255 new high-end technology jobs and 8200 technical and sales jobs. With a focus on nurturing talent, TIH has provided training and skill development opportunities to 351 individuals, resulting in 240 placements in various multinational corporations.

Incubation Centre IIT Patna

With the vision to create an Entrepreneurship program to give wings to the creativity and innovation of faculty, students and other innovators, IIT Patna established an Incubation Centre at its premises. The project was

implemented with a total outlay of Rs 47.10 crores, through joint funding from MeitY (Rs 22.10 crore) and Government of Bihar (Rs.25 crore).

A clean room where equipment for MEMS level fabrication was inaugurated on 13th October 2023 and open for start-ups, innovators and industries where the manufacturing process, micro level fabrication, characterization etc. are to be carried out in a dust-free and microbe-free controlled environment. IC has onboard more than 112 start-ups, of which 70 are under incubation and 42 are under pre-incubation. 32 of these companies entered the market already. 36 patents have been filed by the companies and 10 have been already granted. One of the incubated startups, Silifarm have raised funding from investors of Shark Tank India, Premier show of Sony TV, Humortech have raised investment of Rs.1.2 Cr.

Students' Activities

The National Service Scheme (NSS) unit at IIT Patna conducts regular activities related to mission-oriented plans of Govt. of India like Swachh Bharat Abhiyan and Sarv Shiksha Abhiyan. NSS-IITP has five groups which conduct various activities at our adopted villages: Amhara and Dilawarpur – Adhyayan group, Technical skills group, Chetna group, Environment group and Rural development group. Along with these, NSS team is active in conducting awareness programs on blood donation, gender equality, girl education, cleanliness and hygiene.

Apart from the regular cultural activities, IIT Patna students have been involved with Government of India's programmes such as Ek Bharat Shrestha Bharat, Yuva Sangam, and so on. The sports facilities provided to the students enables to build their physical and mental strength.

Student Technical Council consists of 12 different clubs such as the NJACK, Finance Club, Association of Civil Engineers (ACE), MSME, ChessX, Tinkerers Lab, and Astrophysics lab that unleashes a tech-driven revolution, where diverse clubs converge, pioneering minds ignite, and innovative ideas come to life. During the Inter-IIT Tech Meet 12.0 hosted at IIT Madras, IIT Patna secured the 8th rank overall. The achievements of IIT Patna in Inter-IIT Sports, Cult and Tech meet is a testimony to the efforts of the students in various co-curricular areas.

IIT Patna is committed to facilitating students with diverse opportunities for cocurricular activities that can help them enhance their temperament and professionalism. In pursuit of this goal, the institute introduced the NCC program into its curriculum in 2023. Currently, the NCC program operates with vacancies from open seats of NCC. After a rigorous shortlisting process, forty newly joined students were ultimately enrolled in the program. These students are distributed across various NCC units, including 26 Bihar Bn NCC and 1 Bihar Armd Sqn NCC.

Alumni Achievements

Along with the current students, the Institute maintains a healthy relationship with its alumni. Indian Institute of Technology, Patna alumna Ms. Zufishan Haque (M.Tech.-

Communication Systems, 2017-19) has made the institute proud by securing 34th All India Rank in the Civil Services Examination 2023. Ms. G Sahi Darsini (B.Tech.- Civil, 2016-20) has made the institute proud by securing 112th All India Rank in the Civil Services Examination 2023. Ms. Anushkha Singh (B.Tech. - ME, 23) has been accepted to the MS in Global technology and Innovation Management & Entrepreneurship program at Hamburg University of Technology. Ms. Aathira Sarath Chandran (B.Tech. - ME, 23) has been accepted to the MS program at the University of California, San Diego, USA. Nandika Girish (B.Tech. CEEE 23), Sahil Masoom (B.Tech. MME 2023) and Vedant Vinod Wagh (B.Tech. MME 2023) have been accepted to the MS Program at Georgia Institute of Technology, USA.

Outreach and Industry Academia Relation

IIT Patna has signed MoUs with several international and national organizations for joint research, and student exchange. The collaboration between industry and academia enhances R&D progress by fostering innovation and facilitating the exchange of knowledge. MoUs have been signed with IIM Bodh Gaya, Eastern Region Load Dispatch Centre (ERLDC), Grid Controller of India (GRID-INDIA), Danfoss India, the Institut national polytechnique de Toulouse (Toulouse INP), France, Institute for Steel Development and Growth (INSDAG), Kolkata, Bravo Pharma to name a few. As per the MoU with Dayton University, IITP students can join directly 12-month Master of Science (MS) degree in Electro-optics and Photonics (EOP) in the School of Engineering at University of Dayton, USA.



Training and Placement

The 2023 graduated batch of Indian Institute of Technology Patna, have received record job offers. Around 162 national and international companies belonging to IT/Software, Finance & Banking, Analytics & Consulting, Core Engineering, E-Commerce, Health Care, Manufacturing, Automobile etc. participated in the process for recruitment and made impressive 413 job offers. This is the second consecutive academic session in which IIT Patna students have received over 400 job offers. Among international recruiters this year, Accenture Japan, Rakuten Japan and Denso Corporation made 23 international offers, a 130 % rise from last year. The average pay package offered to B.Tech students in the year 2023 was 23.09 Lakh per annum. Similarly, the average pay package of MTech students who graduated in the year 2003 was 17.50 lakh per annum.

Laurels and Distinctions of IIT Patna Faculty Members

Faculty members have brought laurels to IIT Patna. Fourteen faculty members have featured in the list of the top two percent of researchers worldwide prepared by Stanford University in the year 2023. The research group of Prof. A.K. Thakur has been granted 5 Indian patents in the academic year 2023-24. Dr. Sriparna Saha, Computer Science Department, has been elected as the Fellow of the Institution of Engineering and Technology, UK. Dr. Tanuja Das and Dr. P.K. Srivastava have been honoured with the esteemed J.B. Shukla Award for 2023 by Indian Mathematical Society. Dr. Snehasis Daschakraborty, Department of Chemistry, has been awarded the Japan

Society for the Promotion of Science (JSPS) Fellowship for 2024. Dr. Arijit Roy from the Department of Computer Science Engineering has received the prestigious IEEE Technical Committee on Scalable Computing (TCSC) Award. Dr. Priyanka Tripathi, Department of Humanities and Social Sciences has received the prestigious Careers360 'Commendable Faculty Award' in the field of Arts and Humanities. Dr. Sweta Sinha received the Stanley Yeldell New Researcher Excellence Award from the South Asian Society of Criminology and Victimology in 2023. Many faculty members have received best paper awards or been inducted to different bodies. A few faculty members have been selected for fellowship programmes to different international universities.

Infrastructure Development

It is with great pleasure to share some exciting updates regarding the infrastructure development of our esteemed institution. These developments signify our commitment to providing a conducive environment for learning, innovation, and holistic growth. I am pleased to announce that our efforts towards sustainability have been recognized with a GRIHA Green building rating of 3 star for Phase-1 buildings. This underscores our commitment to environmental responsibility and energy efficiency. Notably, the installation of a 1MWp Rooftop Solar Power Plant is a significant step towards reducing our carbon footprint, with plans underway for further expansion in this regard. These developments align with our vision of fostering a globally competitive learning environment that nurtures talent and fosters innovation.

Jai Hind!

ORGANIZATION STRUCTURE

Board of Governors

Dr. Anand Deshpande

Chairman
Founder, Chairman & Managing Director,
Persistent System Inc, Pune

Prof. Md. Lokman H. Choudhury

Member
Professor, Dept. of Chemistry
IIT Patna--from 26.12.2023 till Date

Prof. Trilok Nath Singh

Member(ex-officio)
Director, IIT Patna

Prof. Kailash Chandra Sharma

Member
Ex-Vice-Chancellor, Kurukshetra University

Additional Secretary /Joint Secretary

Member, MoE,
Government of India

Prof. Yogesh Singh

Member
Vice- chancellor, Delhi Technological University
(Formerly Delhi College of Engineering)

Principal Secretary

Department of Science & Technology,
Technology Bhawan,
Member, Government of Bihar

Prof. Mangesh V. Joshi

Member
Managing Director,
Sanrachna Structural Strengthening Pvt. Ltd.

Principal Secretary

Department of Science and Technology,
Member, Government of Jharkhand

Prof. Manabendra Pathak

Member, Professor, Dept. of Mechanical
Engineering, IIT Patna

Dr. Akhilendra Singh

Member, Associate Professor
Dept. of Mechanical Engineering--Upto 25.12.2023

Shri. Vishwa Ranjan

Secretary& Registrar
IIT Patna

Finance Committee

Dr. Anand Deshpande

Chairman

Prof. Md. Lokman H. Choudhury

Member, Professor, Dept. of Chemistry
IIT Patna--from 26.12.2023 till Date

Prof. Trilok Nath Singh

Member(ex-officio),
Director, IIT Patna

Member

JS&FA, MoE

Member

Additonal Secretary, (MoE)

Prof. Manabendra Pathak

Member, Professor, Dept. of Mechanical
Engineering, IIT Patna

Dr. Akhilendra Singh

Member, Associate Professor, Dept. of Mechanical
Engineering--Upto 25.12.2023

Shri. Vishwa Ranjan

Secretary, Registrar, IIT Patna

Administrative Heads

Prof. Trilok Nath Singh

Director, IIT Patna

Prof. Awalendra K. Thakur

Dean, Academic

Dr. Anup Kumar Keshri

Associate Dean, Research & Development

Prof. Somanath Tripathy

Associate Dean, Administration
Upto 24.11.2023

Prof. Awalendra K. Thakur

Dean, Administration
From 25.11.2023

Prof. Manabendra Pathak

Dean, Faculty Affairs
Upto-05.06.2024

Prof. Smriti Singh

Associate Dean, Students Affairs
Upto 10.06.2023

Dr. Asif Ekbal

Associate Dean, Resource

Dr. Dinesh Kumar Kotne

Associate Dean, Faculty Affairs
From-06.06.2024

Dr. Pramod Kumar Tiwari

Associate Dean, Students Affairs
From 11.06.2023

Shri. Vishwa Ranjan

Registrar
IIT Patna

Building Works Committee

Prof. Trilok Nath Singh

Director, IIT Patna, Chairman

Prof. Dharmendra Singh

Professor (HAG), Dept. of Electronics and Communication Engineering, IIT Roorkee, Member

Prof. Rajesh Kumar

Dept. of Civil Engineering,
IIT (BHU), Member

Shri. Sudhir Kumar

(Retd.) ADG, CPWD,
Patna, Member

DR. Virendra Nath Tiwari

(Retd.) Chief Engineer, PMGSY, Uttarakhand,
Dehradun, UK, Member

Er. Surendra Prasad (Retd.)

Superintending Engineer, Uttar Pradesh State Electricity Board, Varanasi, Member

Mr. G. Arvind

Head-Strategic BIZ Support Rockfall BU,
Mumbai, member

SH. Vishwa Ranjan

Registrar,
IIT Patna, Secretary

Senate

Prof. T.N. Singh

Director IIT Patna
Senate Chairman

Dr. Richa Chaudhary

HoD, HSS

Mr. Vishwa Ranjan

Registrar

Dr. Dinesh Kumar Kotnees

HoD, MME

Prof. Manoj Kumar Tiwari

External Member

Prof. Naveen Kumar Nishchal

HoD, Physics

Prof. Y.C. Sharma

External Member

Dr. Jose V. Parambil

HoD, CBE

Prof. K.N. Singh

External Member

Dr. Debabrata Seth

HoD, Chemistry

Prof. K.N. Singh

External Member

Prof. Awalendra Kumar Thakur

Dean, Academic

Prof. Karali Patra

Professor

Prof. Manabendra Pathak

Dean, Faculty Affairs

Prof. Nalin Bharti

Professor

Dr. Asif Ekbal

Associate Dean, Resources

Prof. Prolay Das

Professor

Prof. Somanath Tripathy

Associate Dean, Administration

Prof. Jawar Singh

Professor

Dr. Anup Kumar Keshri

Associate Dean, R&D

Prof. Om Prakash

Professor

Prof. Smriti Singh

Associate Dean, Student Affairs

Prof. Jimson Mathew

Professor

Prof. Rajiv Misra

HoD, CSE

Prof. Md. L. H. Choudhary

Professor

Prof. Mayank Tiwari

HoD, ME

Dr. Y. M. Tripathi

Associate Professor

Dr. P. K. Srivastava

HoD, Mathematics

Dr. A. K. Mukherjee

Assistant Professor

Prof. Preetam Kumar

Hod, EE

Chandra Prakash Singh

PGR Gymkhana

Dr. Vaibhav Singhal

HoD, CEE

Atul Kumar

VP Gymkhana

National & International Ranking of IIT Patna [2023]:

IIT Patna participated in the NIRF 2023 ranking under three categories – Overall, Engineering and Research. IIT Patna overall ranking is 66 and in the Engineering category IIT Patna was placed at 41.

In Atal Ranking of Institutions on Innovation Achievements (ARIIA) – 2023, IIT Patna has been categorized among Band-Excellent group under Institute of National Importance & Central Universities/CFTIs (Technical).

In THE ranking 2023, IIT Patna is ranked in the range of 801-1000 in World University, 201-250 in Asia University, 201-250 in Young University, 601-800 in Engineering & Technology.

In the QS 2023 ranking, IIT Patna was judged at Asia level where it got ranked in the range of 351-400.

Ranking of IIT Patna in MDRA Survey conducted by INDIA TODAY group in 2023 has been ranked 3rd among the “Government Engineering Colleges”, 5th among in the “Government Colleges with Placement Record” and 3rd in the “Emerging Government Engineering College”.

Events of Significant Importance

Recruitment of Employees at IIT Patna during 2023-24 (April, 2023 – March, 2024)

Joining details of Teaching Staff Members

Sl. No.	Name	Dept.	Designation name	Date of Joining
1	Dr. Bharat Bhushan	MME	Asst. Prof.	17-Apr-23
2	Dr. Arijit Roy	CSE	Asst. Prof.	01-May-23
3	Dr. Pradhi Rajeev	CEE	Asst. Prof.	10-May-23
5	Dr. Sandeep Aashish	PHY	Asst. Prof.	16-May-23
6	Dr. Abhinoy Kumar Singh	EE	Asst. Prof.	29-May-23
7	Dr. Sandan Kumar Sharma	MME	Asst. Prof.	01-Jun-23
8	Dr. Gaurav Kumar Tomar	PHY	Asst. Prof.	03-Jul-23
9	Dr. Sushmitha P	MATH	Asst. Prof.	03-Jul-23
10	Dr. Avneet Kumar	EE	Asst. Prof.	10-Jul-23
11	Dr. Manish Singh	MME	Asst. Prof.	18-Aug-23
12	Dr. Lalita Kanwar Sekhawat	CBE	Asst. Prof.	21-Aug-23
13	Dr. Rishav Singh	CSE	Asst. Prof.	01-Feb-24
14	Dr. Ganesh Swain	CBE	Asst. Prof.	02-Feb-24
15	Dr. Rahul Mishra	CSE	Asst. Prof.	21-Feb-24
16	Dr. Jagadish Das	CHE	Asst. Prof.	19-Mar-24
17	Dr. Akash Singh	PHY	Asst. Prof.	22-Mar-24
18	Dr. Amit Kumar Verma	CEE	Asso. Prof.	11-May-23

Joining details of Teaching Staff Members

Sl. No.	Name	Dept.	Designation	Date of Joining
No recruitment during the year 2023-24				

Relieving details of Teaching Staff Member

Sl. No.	Name	Dept.	Designation	Date of Relieving
1	Dr. Amarnath Hegde	CEE	Asst. Prof.	27.06.2023
2	Dr. Baadiga Ramu	CEE	Asst. Prof.	31.10.2023

Relieving details of Non-Teaching Staff Member

Sl. No.	Name	Dept.	Designation	Date of Relieving
1	Mr. Aman Verma	MME	Junior Mechanic	20.07.2023
2	Mr. Rajeev Kumar	CC	Junior Assistant	15.09.2023
3	Mr. Sandip Kishore	Academic Section	Technical/Scientific Officer (Scale II)	12.10.2023
4	Mr. Amit Kumar	IWD	Junior Assistant	28.11.2023
5	Mr. Bidyendu Roy	Physics	Junior Technical Superintendent	14.12.2023
6	Mr. Kanahiya Prasad	IWD	Assistant Engineer, Civil	02.02.2024

Relieving details of Non-Teaching Staff Member (on Lien)

Sl. No.	Name	Dept.	Designation	Date of Relieving
1	Mr. Anil Verma	IWD	Executive Engineer	19.10.2023

Joining details of Teaching Staff Members after March 2024

Sl. No.	Name	Dept.	Designation	Date of Joining
1	Dr. Ranjeet Ranjan Jha	MATH	Asst. Prof.	08-Apr-24
2	Dr. Rajendra Kumar Konidena	CHE	Asst. Prof.	16-May-24
3	Dr. Shivangi Shree	PHY	Asst. Prof.	03-Jun-24
4	Dr. Daya Sagar Gupta	MATH	Asst. Prof.	11-Jun-24
5	Dr. Nitish Raja	MME	Asst. Prof.	20-Jun-24
6	Dr. Anupama Gaur	MME	Asst. Prof.	24-Jun-24
7	Dr. Sonal	CBE	Asst. Prof.	27-Jun-24
8	Dr. Arpit Jain	CEE	Asst. Prof.	05-Jul-24

Foreign Students at IIT Patna

Sl. No.	Student Name	Country	Academic Program	Date of Joining	Department	Funding Agency
1.	Asres Temam Abagissa	Ethiopia	Ph.D.	12-Jan-21	Computer Science & Engineering	Embassy of Ethiopia, New Delhi
2.	Tibebu Bekel Shana	Ethiopia	Ph.D.	12-Jan-21	Computer Science & Engineering	Embassy of Ethiopia, New Delhi
3.	Andri Maulana	Indonesia	Ph.D.	05-Aug-22	HSS	ASEAN-DIA -Fellowship
4.	Adi Nugroho	Indonesia	Ph.D.	05-Aug-22	HSS	ASEAN-DIA -Fellowship
5.	Fawzia Omer Albasheer Mohamed	Sudan	Ph.D.	29-Jul-22	Computer Science & Engineering	ICCR
6.	Bharosh Kumar Yadav	Nepal	Ph.D.	16-Jan-23	Mechanical Engineering	Self-Sponsored

The background of the slide is a photograph of a sunset or sunrise. The sky is a gradient of colors, from a deep purple at the top to a bright orange near the horizon. A dark, silhouetted mountain peak is visible in the lower right corner, rising diagonally. The text "Department-Wise Achievements" is overlaid on the left side of the image in a large, white, sans-serif font.

Department-Wise Achievements



Chemical and Biochemical Engineering

Head: Dr. Anoop K Gupta



Dr. Anoop K Gupta

Assistant Professor
Computational fluid dynamics,
Non-Newtonian flow rheology.
Motion of bubble/drops. Particle dynamics in
multiphase flows.
CFD-DEM coupled simulations, Heat transfer in
Nanofluids Modelling
of Phase change materials



Dr. Atanu Kumar Metya

Assistant Professor
Thermodynamics and statistical mechanics
Phase equilibria and nucleation, Wetting phenomena,
Structure, dynamics, and interfacial properties of
solutions in bulk and confined systems, Design of
anti-icing surfaces and force field development using
density functional theory



Dr. Jose V Parambil

Assistant Professor
Separation Processes, Crystallization,
Carbon Footprinting



Dr. Nitin Dutt Chaturvedi

Assistant Professor
Modeling and Simulation of Chemical processes,
Process system engineering, Process Integration Pinch
Analysis, Industrial Energy Conservation, Scheduling and
optimization of batch processes



Dr. Sandip Khan

Assistant Professor
Molecular Modelling and Simulation, Statistical
Thermodynamics, Equilibrium, Dynamic and Interfacial
Properties of Complex fluids



Dr. Sujoy Kumar Samanta

Associate Professor
Advanced Oxidation Processes, Wastewater Treatment,
Photocatalysis, Microwave-Assisted Material Processing



Dr. Sushant Kumar

Associate Professor
Clean Hydrogen Production Methods, Hydrogen Storage using metal hydrides, CO₂ Utilization and Capture, Catalysts for clean energy applications



Dr. Mahendra Ram

Assistant Professor
Thermochemical conversion, water treatment, Nutrition extraction, human genome editing



Dr. Priyanka Gupta

DST INSPIRE Faculty
Bio-electrochemical systems including microbial photo electrosynthesis and microbial fuel cells; Synthesis of value-added chemicals via CO₂ reduction; Advanced oxidation processes including catalytic wet air oxidation and photocatalysis; Biodegradation; Synthesis of multi-functional nanomaterials



Dr. Lalita Kanwar Shekhawat

Assistant Professor
Bioprocessing and Bioseparation: Downstream processing of therapeutic proteins; Development and optimization of chromatographic purification of monoclonal and bispecific antibodies; Quality by design: Design of Experiments and High-throughput process development, Mechanistic modeling of chromatographic separation process, Process analytical Tools (PATs), Computational fluid dynamics (CFD)



Dr. Ganesh Swain

Assistant Professor
Development of proton exchange membrane for microbial fuel cell application, Bioremediation of organic pollutants, Bioenergy, Microbiology

Research Area

1. Mahendra Ram, Food and nutrition
2. Lalita Kanwar Shekhawat, Bioseparation and bioprocessing
3. Priyanka Gupta, Bio-electrochemical systems including microbial photo electrosynthesis and microbial fuel cells; Synthesis of value-added chemicals via CO₂ reduction; Advanced oxidation processes including catalytic wet air oxidation and photocatalysis; Biodegradation; Synthesis of multi-functional nanomaterials
4. Ganesh Swain, Development of cost-effective proton exchange membrane for application in microbial fuel cell
5. Ganesh Swain, Production of polyhydroxyalkanoates during bioremediation of industrial pollutants and their applications
6. Mahendra Ram, Pyrolysis
7. Mahendra Ram, Waste water treatment
8. Mahendra Ram, Biomass gasification
9. Atanu Kumar Metya, Computational Drug Design, Machine learning, Interfacial phenomena, Gas hydrate
10. Sushant Kumar, Hydrogen storage; photoelectrochemical CO₂ reduction
11. Sandip Khan, Evaporation and coalescence of aqueous droplet
12. Sandip Khan, Adsorption of PFAS molecules from aqueous medium
13. Sandip Khan, Wetting and interfacial properties of complex fluids like ionic liquid, deep eutectic solvent etc.
14. Sandip Khan, Phase behaviour of associating fluids in functionalized porous materials
15. Sujoy Kumar Samanta, Wastewater Treatment, Catalysis, Pharmaceutical Waste Management, Microwave Assisted Material Processing, Renewable and Non-Conventional Energy Sources and Applications

Patents (filed/Granted)

1. Patent Name: A process for the production of turquoise hydrogen and other value-added products from lower alkanes near room temperature, Status: Filed, Ref. No: 202311059459, Patent Owner: Sushant Kumar

Professional Activities by Faculty Members

1. Sujoy Kumar Samanta - Delivered an Invited Keynote Address on "Microwave Assisted Catalytic

Degradation of Organic Pollutants Present in Various Wastewater: A Brief Overview and Few Research Case Studies" in INDACON 2024 International Conference (on Sustainable Approach in Desalination, Water, Energy, Environment, and Advanced Materials for Water Purification) during February 24-25, 2024 at MIT Muzaffarpur, Bihar, India..

2. Priyanka Gupta - Proposal submitted: SERB-POWER grant (SPG/2024/000138).
3. Lalita Kanwar Shekhawat - Keynote speaker, COE CBT Conference 2023, IIT Delhi.
4. Lalita Kanwar Shekhawat - Co-Convenor, ICSPT 2023, IIT Patna.
5. Priyanka Gupta - Peer review, Materials Today: Proceedings ISSN: 2214-7853.

Seminar, Conference and Workshop Organised

1. Anoop Kumar Gupta - Core Member:-International Heat and Mass Transfer Conference, IIT Patna (Core Member) Participants: 500.
2. Jose V Parambil - Convenor:-International Conference on Separation and Purification Technologies, IIT Patna (Convenor) Participants: 40.
3. Sushant Kumar - Co-ordinator:-One-week training program on Use of Advanced Analytical Instruments for Energy and Coating Applications, DST-STUTI program (15th-21st July, 2023) (8.83 lakhs), Patna (Co-ordinator) Participants: 35.

Visit Abroad

1. Sandip Khan - To present our work (Spain) 5 Days

Other Academic Activities

1. Atanu Kumar Metya - Deliver theoretical lectures and conduct hands-on sessions in a Five Days Workshop on Biomolecular Simulations & Drug Discovery at SRM University AP, Amaravati, Mangalagiri-522240, Guntur, Andhra Pradesh, India..

Any Other Information

1. Anoop Kumar Gupta - Visited IIT INDORE for research collaboration.
2. Mahendra Ram - Activity done on "Power of subconscious brain" with 2nd semester students.

Chemistry

Head: Dr. Ranganathan Subramanian



Dr. Amit Kumar

Associate Professor
Synthesis of modified sugar, glycosyltransferase inhibitors, Oligosaccharides and Chiral catalyst;
Application of Metal catalysis in the synthesis of natural products and Medicinal useful Pharmacophores



Dr. Debabrata Seth

Associate Professor
Photophysics, Chemical Dynamics, Ionic liquids



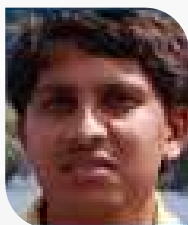
Dr. Debajit Sarma

Associate Professor
Coordination polymer, solid state chemistry, Chalcogenide and chalcogel based materials, oxide materials, energy conversion and catalysis.



Prof. Md. Lokman Hakim Choudhury

Professor
Diversity Oriented Synthesis (DOS) using multicomponent reactions (MCRs), the discovery and development of new synthetic methods with particular interest in heterocyclic chemistry and total synthesis of various biologically active natural products and structural analogues



Dr. Neeladri Das

Associate Professor
Self-assembly and Supramolecular Chemistry, Organic Synthesis, Inorganicorganic hybrid material synthesis, Coordination polymers / Metal organic framework (MOF), Polymer Chemistry – syntheses/ characterization/applications



Prof. Prolay Das

Professor
DNA Nanotechnology, Carbon Dot based functional nanostructures, Biomaterials



Dr. Ranganathan Subramanian

Associate Professor
Spectroscopy, Computational, Instrumentation
development, Physical Chemistry



Dr. Sahid Hussain

Associate Professor
Nano-scale Materials, Green Chemistry and Synthetic
Organic Methodologies



Dr. Snehasis Daschakraborty

Associate Professor
Studies of reaction and relaxation processes in complex
chemical and biological systems using theory and
computer simulation technique



Dr. Subrata Chattopadhyay

Assistant Professor
Polymer chemistry (sustainable/Green synthesis),
nanomaterials and surface engineering



Dr. T. Rajagopala Rao

Assistant Professor
Quantum reactive scattering of gas phase bi-molecular
reactions, non-adiabatic coupling effects, geometric
phase effects, nuclear spin symmetry effects, isotopic
effects, spectral attributes of quasi-bound states,
construction of potential energy surfaces



Dr. Jagadish Das

Assistant Professor
Green Rocket Propellant, Burn Rate Modifier for
Solid Propellant, Gas Generator for Airbags, Laser
Ignitable Materials

Research Area

1. Snehasis Daschakraborty, Molecular dynamics of liquid and biomolecules: Theory and simulation
2. Subrata Chattopadhyay, Functional polymers and materials: Synthetic aspects (degradable polymers, stimuli responsive polymers and porous polymers)
3. Neeladri Das, Inorganic and Organometallic Chemistry, Supramolecular Chemistry, Polymer (Porous organic polymers) and Materials Chemistry
4. Debabrata Seth, Ultrafast fluorescence spectroscopy, Physical Chemistry, Chemical Dynamics, Photochemical study in the presence of nanomaterials, block copolymers, and deep eutectic solvents
5. Amit Kumar, Design and development of sustainable synthetic strategy for synthesis of Functionalized Heterocycles and Glycomimetic.
6. Sahid Hussain, Nanoscale materials, Green Chemistry, Synthetic organic methodologies
7. Debajit Sarma, Coordination polymer; Metal organic framework; Coordination polymer gel; Energy conversion and catalysis; Solid state chemistry; Oxide Materials; Chalcogenide and chalcogen based materials.
8. Ranganathan Subramanian, Computational Chemistry, Gas Phase Spectroscopy, Dielectric Relaxation Spectroscopy
9. Tammineni Rajagopala Rao, Theoretical Chemistry: Quantum reactive scattering
10. Prolay Das, Carbon Dot based biomaterials for multivarious applications
11. Md Lokman Hakim Choudhury, Green Synthesis, multicomponent reactions(MCRs), organocatalysis, design and development of light mediated reactions, synthesis and functionalization of heterocycles and multicomponent polymerization
12. Jagadish Das, Green Rocket Propellant
13. Jagadish Das, Nitrogen rich energetic materials
3. Neeladri Das - Appointed as an examiner to evaluate the Ph.D. thesis of a Research Scholar, Department of Chemistry, Faculty of Science, Aligarh Muslim University, Aligarh.
4. Debabrata Seth - PhD thesis reviewer of one student from CSIR-North East Institute of Science and Technology, Jorhat, Assam.
5. Neeladri Das - Served as an External Examiner for evaluation of PhD Thesis of research scholar affiliated to the Gujarat Technological University.
6. Neeladri Das - Reviewer in journals published by ACS, RSC, Wiley and Elsevier.
7. Neeladri Das - External expert for thesis evaluation and viva voce from IGCAR, Kalpakkam, DAE.
8. Debabrata Seth - Reviewer: Project submitted to the CSIR, New Delhi.
9. Neeladri Das - External expert for thesis evaluation from CUSB, Gaya.
10. Debabrata Seth - Reviewer: CRG Project submitted to the DST, New Delhi.
11. Neeladri Das - Delivered two lectures in DST-STUTI program from 15th -21st July, 2023.
12. Neeladri Das - Subject Expert and selection committee member in Bihar School Examination Board.
13. Neeladri Das - External expert for thesis evaluation and viva voce from National Institute of Science Education and Research Bhubaneswar, HBNI.
14. Neeladri Das - External expert in NIT Patna to conduct Ph.D. Thesis Pre-submission Seminar.
15. Neeladri Das - Conducted Viva voce exam as external expert for a PhD thesis from IIT Guwahati.
16. Amit Kumar - Reviewed several project for Govt. of India, SERB, CSIR.
17. Amit Kumar - Reviewer of several Journals: JOC, Org. Lett, EJOC.

Professional Activities by Faculty Members

1. Debajit Sarma - Reviewer of several peer review international journals, viz., Inorganic Chemistry, ACS applied materials and Interfaces, ACS applied engineering materials, ACS applied nano materials, ACS applied energy materials, Crystal Growth and Design, Journal of Materials Chemistry C, Journal of Solid State Chemistry etc..
2. Debabrata Seth - PhD thesis reviewer and member of Viva-voce board (as external examiner) of one student from Calcutta University.

Seminar, Conference and Workshop Organised

1. Sahid Hussain - Member of RTCST 2024 :-RTCST 2024, IIT Patna (Member of RTCST 2024) Participants: 150.
2. Debajit Sarma - Treasurer:-Recent Trends in Chemical Science and Technology (RTCST) 2024, IIT PATNA (Treasurer) Participants: 110.
3. Neeladri Das - Organizing Secretary:-Recent Trends in Chemical Science and Technology (RTCST-2024), IIT Patna (Organizing Secretary) Participants: 150.
4. Amit Kumar - Member :-RTCST 2024, IIT Patna (Member) Participants: 150.

5. Debabrata Seth - Chairman:-Recent Trends in Chemical Science and Technology 2024 (RTCST 2024), IIT Patna (Chairman) Participants: 90.
6. Ranganathan Subramanian - Co-convenor:-Recent Trends in Chemical Science and Technology 2024, IIT Patna, Bihta (Co-convenor) Participants: 200.
7. Subrata Chattopadhyay - Co-Convenor:- Recent Trends in Chemical Science and Technology (RTCST), IIT Patna (Co-Convenor) Participants: 130.
8. Tammineni Rajagopala Rao - Member of local organising committee :-Recent Trends in Chemical Science and Technology (RTCST) 2024, IIT Patna (Member of local organising committee) Participants: 110.
9. Md Lokman Hakim Choudhury - Convenor:- Recent Trends in Chemical Science and Technology (RTCST 2024) during March 1-2 2024, IIT Patna (Convenor) Participants: 200.
10. Amit Kumar - Workshop convenor:- Yusuf Hamied Chemistry Camp at IIT Patna, IIT Patna (Workshop convenor) Participants: 75.

Visit Abroad

1. Amit Kumar - For delivering a invited talk (Kathmandu, nepal) 4 Days
2. Tammineni Rajagopala Rao - Gave a contributed talk at The 28th Colloquium on High-Resolution Molecular Spectroscopy, Aug 28- Sep 01, 2023, University of Bourgogne, Dijon, France. (University of Bourgogne, Dijon, France.) 5 Days

Other Academic Activities

1. Debabrata Seth - Reviewer :Journal of Molecular Liquids, Published by the Elsevier.
2. Prolay Das - President, Institute Innovation Council.
3. Debajit Sarma - EMERGING TRENDS IN BIOCHEMISTRY (ICETB-2024), - Invited Speakers Metalloenzyme Inspired Framework Materials for Sustainable Catalytic Applications at Nalbari College, Assam, March 11-13, 2024..
4. Amit Kumar - Invited talk@ ETCS, IITKGP, 2024 6-9th March 2024.
5. Amit Kumar - Invited talk@ MGCU, North Bihar, India, 28-29th Feb 2024.
6. Md Lokman Hakim Choudhury - Delivered invited Lecture in the National Seminar on Trends in Green Chemistry and Sustainable Development (TGCS-2024) organized by Magadh Mahila college and Indian Science Congress Association, Patna Chapter during 20-21 Feb 2024.
7. Debajit Sarma - ETFC-2024 Emerging Trends and Future Challenges in Chemical Sciences, - Invited Speaker-Title of the talk Coordination Driven Framework Materials for Catalytic Applications at KMC, Delhi University, February 12-13, 2024..
8. Amit Kumar - Invited talk@ KMC, DU, Feb 12th Feb 2024.
9. Amit Kumar - CRSI Meeting .
10. Debabrata Seth - Reviewer :ACS Applied Nano Materials, Published by the American Chemical Society..
11. Debabrata Seth - Reviewer : Journal of Photochemistry & Photobiology, A: Chemistry, Published by the Elsevier.
12. Debabrata Seth - Reviewer :Optics and Laser Technology, Published by the Elsevier.
13. Debabrata Seth - Reviewer : Colloids and Surfaces A: Physicochemical and Engineering Aspects, published by the Elsevier.
14. Debabrata Seth - Reviewer : Environmental Pollution, Published by the Elsevier.
15. Debabrata Seth - Reviewer : Chemical Physics Impact, published by the Elsevier.
16. Snehasis Daschakraborty - Invited Talk, Vikram Discussions on Astrobiology and Astrochemistry 2024, Title: "Exploring the Mechanism of Water and Ion Transport through Nanopores of Covalent Organic Framework Relevant in Osmotic Energy Conversion".
17. Amit Kumar - Invited talk@ ETFC, BHU, India, 15-16th Dec. 2023.
18. Debabrata Seth - Reviewer : Journal of Dispersion Science and Technology published by the Taylor & Francis.
19. Snehasis Daschakraborty - Invited Talk, Theoretical Chemistry Symposium 2023, Title: "Fickian yet Non-Gaussian Diffusion in Laterally Heterogeneous Lipid Membrane".
20. Snehasis Daschakraborty - Invited Talk, GITAM Chemistry Research Conference (GCRC)- 2023 Title: Title: "Exploring the Mechanism of Water and Ion Transport through Nanopores of Covalent Organic Framework Relevant in Osmotic Energy Conversion""Fickian yet Non-Gaussian Diffusion in Laterally Heterogeneous Lipid Membrane".
21. Tammineni Rajagopala Rao - Chaired a session at Theoretical Chemistry Symposium 2023 (TCS 2023), Dec 07-10, 2023, Indian Institute of Technology Madras (IITM) Chennai, India..
22. Ranganathan Subramanian - Theoretical determination of environmental assessing properties

- of oxygenated hydrofluorocarbons, 19th Theoretical Chemistry Symposium (TCS 2023).
23. Debabrata Seth – Reviewer : Physical Chemistry Chemical Physics, published by the Royal Society of Chemistry..
 24. Debabrata Seth – Reviewer : Journal of Molecular Structure, published by the Elsevier.
 25. Debabrata Seth – Reviewer : ACS Omega, Published by the American Chemical Society..
 26. Debabrata Seth – Reviewer : Journal of Photochemistry & Photobiology, A: Chemistry, Published by Elsevier.
 27. Amit Kumar – Invited talk@ ICOC-III, 2023, Goa, India, 30th Oct- 2nd Nov. 2023.
 28. Snehasis Daschakraborty – Invited Talk, PHYSICAL CHEMISTRY SYMPOSIUM 2023 (SoPhyC-2023), Title: “Exploring the Mechanism of Water and Ion Transport through Nanopores of Covalent Organic Framework Relevant in Osmotic Energy Conversion”.
 29. Tammineni Rajagopala Rao – Delivered an invited lecture at Twenty-Sixth International Workshop on Quantum Systems in Chemistry, Physics and Biology (QSCP-XXVI 2023), Oct 14-20, 2023, Crown Plaza, Jaipur Tonk Road, Jaipur, India..
 30. Debabrata Seth – Reviewer : Carbohydrate Research, Published by the Elsevier.
 31. Debabrata Seth – Reviewer : The Journal of Physical Chemistry B, Published by American Chemical Society..
 32. Tammineni Rajagopala Rao – Delivered an invited lecture at An International Conference on Structure and Dynamics: Spectroscopy and Scattering (SDSS 2023), Oct 05-08, 2023, Indian Association for Cultivation of Science (IACS) Kolkata, India.
 33. Amit Kumar – Invited talk@ FORCE, IICS-2023, Kathmandu, Nepal, 28th Sept. to 1st Oct 2023.
 34. Debabrata Seth – Reviewer : Scientific Reports, published by the Nature Portfolio..
 35. Debabrata Seth – Reviewer : Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Published by Elsevier..
 36. Debabrata Seth – Reviewer : Engineered Science, Published by the Engineered Science Publisher.
 37. Md Lokman Hakim Choudhury – Delivered two lectures as resource person in the Refresher course in Chemistry organized by Dept. of Chemistry, Northeastern Hill University Shillong, during August 8 and 9, 2023..
 38. Debabrata Seth – Reviewer : ACS Omega, Published by the American Chemical Society..
 39. Debabrata Seth – Reviewer : Journal of Surfactants and Detergents Published by the Wiley.
 40. Debabrata Seth – Reviewer : Physical Chemistry Chemical Physics, published by the Royal Society of Chemistry..
 41. Debabrata Seth – Reviewer : Petroleum Science and Technology, Published by the Taylor and Francis.
 42. Debabrata Seth – Reviewer : The Journal of Physical Chemistry B, Published by the American Chemical Society..
 43. Debabrata Seth – Reviewer : ChemistrySelect Published by the Wiley.
 44. Debabrata Seth – Reviewer : Journal of Thermal Analysis and Calorimetry Published by the Springer.
 45. Amit Kumar – Invited talk@ FCASI-2023, Jaipur, 20-21st April 2023..
 46. Debabrata Seth – Reviewer : ChemPhysChem Published by the Wiley.

Any Other Information

1. Md Lokman Hakim Choudhury – I have served as a reviewer of many internationally reputed journals as well as Ph.D thesis of University and CSIR Laboratory. .
2. Subrata Chattopadhyay – Conference talk: Reactive stimuli-responsive poly(aminoamide) microgels as a platform for diverse sensing applications by Dr. Subrata Chattopadhyay at CompFlu 2023, organized by The Centre for Soft and Biological Matter, IIT Madras and Indian Society of Rheology at Indian Institute of Technology Madras, Chennai, India, December 18-20, 2023.
3. Neeladri Das – Submitted research project for funding to BRNS and SERB.

Civil and Environmental Engineering

Head: Dr. Amit Kumar Verma



Prof. T.N. Singh

Director, IIT Patna
Professor
Geotechnical Engineering



Dr. Arvind Kumar Jha

Assistant Professor
Geotechnical Engineering



Dr. Avik Samanta

Associate Professor
Structural Engineering



Dr. Bachu Anilkumar

Assistant Professor
Transportation Engineering



Dr. Koushik Roy

Assistant Professor
Structural Engineering



Dr. Om Prakash

Assistant Professor
Water Resources Engineering



Dr. Pradipta Chakraborty

Assistant Professor
Geotechnical Engineering



Dr. Ramakrishna Bag

Associate Professor
Geotechnical Engineering



Dr. Sourav Gur

Assistant Professor
Structural Engineering



Dr. Subrata Hait

Associate Professor
Environmental Engineering



Dr. Sudhir Varma

Assistant Professor
Transportation Engineering



Dr. Syed K K Hussaini

Assistant Professor
Transportation Engineering



Dr. Vaibhav Singh

Associate Professor
Structural Engineering



Dr. Vishal Deshpande

Assistant Professor
Water Resources Engineering



Dr. Akshar Tripathi

Assistant Professor
Geoinformatics, Remote Sensing
and GIS, Synthetic Aperture RADAR
(SAR) Remote sensing, Multi-sensor
Data Fusion, Image processing,
Deep Learning algorithms



Dr. Manoj Kumar Yadav

Assistant Professor
Water & Wastewater Treatment/
Recycling/Reuse, Geogenic
Pollutant Removal, Water Supply
Systems, Industrial Wastewater
Treatment & Reuse, Fate and
Transport of Contaminants,
Environmental Impact Assessment



Dr. Amit Kumar Verma

Associate Professor
Rock Mechanics and
Ground Control, Coupled
Numerical Modeling,
CO₂ Sequestration, Nuclear
waste disposal and slurry fracture
injection, Underground space
technology, Intelligent System for
Rock Engineering, Slope Stability,
landslide and Tunneling



Dr. Pradhi Rajeev

Assistant Professor
Air Pollution; Atmospheric
Chemistry; Source apportionment
of atmospheric pollutants;
Personal exposure assessment
and health effects of inhaled
particles; Oxidative potential of
particulate matter; Atmospheric
processes implications;
Secondary aerosols formation and
evolution mechanisms

Research Area

1. Syed Khaja Karimullah Hussaini, Rail Track Geotechnology
2. Vishal Deshpande, Fluvial Hydraulics and Machine Learning Applications
3. Om Prakash, Groundwater flow and contaminant transport modeling Groundwater Impact Assessment (quality, quantity, risk analysis, vulnerability mapping) Salt water intrusion modeling Stochastic optimization and AI based groundwater management Groundwater surface water interactions, Urban Flood
4. Anilkumar Bachu, Intelligent Transportation Systems, Public Transportation, Traffic Flow Modelling, Naturalistic Driving Studies, Traffic Operations and Management
5. Avik Samanta, Structural Engineering, Structural Fire Engineering, Earthquake Engineering,
6. Manoj Kumar Yadav, Water Supply Systems, Water & Wastewater Treatment/Recycling/Reuse, Geogenic Pollutant Removal, Industrial Wastewater Treatment & Reuse.
7. Sudhir Varma, Transportation Engineering
8. Amit Kumar Verma, Rock mechanics, Landslide, Mining, Slope stability
9. Vaibhav Singhal, Earthquake damage surveys and disaster mitigation and preparedness
10. Vaibhav Singhal, Seismic behavior of reinforced concrete and masonry structures
11. Vaibhav Singhal, Seismic evaluation and rehabilitation of structures
12. Vaibhav Singhal, Structural Health Monitoring
13. Vaibhav Singhal, Small-scale modeling of structural systems for real time dynamic testing
14. Arvind Kumar Jha, Geotechnical Engineering Geoenvironmental Engineering Ground Improvement Techniques Soil Stabilization by Admixtures Environmental Geotechnics Biogeotechnics Rock Mechanics
15. Syed Khaja Karimullah Hussaini, Transportation Geotechnics
16. Syed Khaja Karimullah Hussaini, Ground Improvement
17. Pradipta Chakraborty, Ground Improvement
18. Akshar Tripathi, Synthetic Aperture RADAR (SAR) remote sensing, Multi-sensor data fusion/integration,

- GIS, Machine Learning application for Agrioinformatics, Surface Displacement mapping and estimation
19. Pradhi Rajeev, Exposure assessment
 20. Pradhi Rajeev, Human health risk assessment and oxidative potential of PM
 21. Pradhi Rajeev, Chemical characterization of aerosols
 22. Pradhi Rajeev, Air pollution and Atmospheric sciences
 23. Subrata Hait, Removal of Emerging Contaminants including Microplastics from Aqueous Matrices
 24. Subrata Hait, Water and Wastewater Treatment
 25. Subrata Hait, Organic Waste Management by Composting and Vermicomposting
 26. Subrata Hait, E-waste Management
 27. Subrata Hait, Waste Treatment and Resource Recovery
 28. Subrata Hait, Pollution Prevention and Resource Recovery
 29. Ramakrishna Bag, Geotechnical and Geoenvironmental Engineering, Energy Geotechnics, Unsaturated soil mechanics, High level radioactive waste disposal,
 30. Pradipta Chakraborty, Soil Heterogeneity
 31. Pradipta Chakraborty, Soil Dynamics and Geotechnical Earthquake Engineering
 32. Pradipta Chakraborty, Probabilistic Methods in Engineering

Patents (filed/Granted)

1. Patent Name: Bus Travel Time Prediction capturing Non-linear Spatial Correlations using Support Vector Machines, Status: Granted, Ref. No: 515541, Patent Owner: Anilkumar Bachu
2. Patent Name: Prediction of Travel Time of Vehicles, Status: Granted, Ref. No: 510184, Patent Owner: Anilkumar Bachu
3. Patent Name: Portable steam distribution system consisting of a flexible jacket for steam curing, Status: Granted, Ref. No: 201831000877, Patent Owner: Ramakrishna Bag
4. Patent Name: A Method and System for Predicting a Vehicle Travel Time, Status: Granted, Ref. No: 501967, Patent Owner: Anilkumar Bachu
5. Patent Name: System for Hazardous Waste Treatment and Method Thereof, Status: Filed, Ref. No: 202331076426, Patent Owner: Subrata Hait

6. Patent Name: A Seasonal Modelling Approach Capturing Spatio-Temporal Correlations for Dynamic Bus Travel Time Prediction, Status: Granted, Ref. No: 442700, Patent Owner: Anilkumar Bachu

Professional Activities by Faculty Members

1. Subrata Hait - Manuscript Reviewer, Journal of Water Process Engineering (Elsevier).
2. Vaibhav Singhal - Invited Lecture: Principles of Confined Masonry during SSF Workshop on From Temporary Shelter to Semi-Permanent Homes organized by SMARTnet, The Netherlands.
3. Vaibhav Singhal - Invited Lecture: Analysis and Design of Confined Masonry during Global Symposium on Recent Advancements and the Way Forward in Confined Masonry Construction Practice organized by UNESCO and University College London, London..
4. Sudhir Varma - Performance Evaluation of Quality Monitors engaged in 3rd tier of quality monitoring, prescribed under PMGSY.
5. Manoj Kumar Yadav - Expert Lecture on Smart and Sustainable Water & Waste Water Management in the workshop "Sustainable Smart City: Integrating Solutions for Hilly Terrain Challenges" organized by the Department of Civil Engineering of the National Institute of Technology, Mizoram between 29th Jan 2024 to 02nd Feb 2024..
6. Vaibhav Singhal - Invited Lecture: Earthquake Resilient Buildings -Learning from Traditional and Modern Construction Techniques during Earthquake Awareness Week organized by Darbhanga College of Engineering, Darbhanga.
7. Arvind Kumar Jha - Delivered Keynote Lecture on 2nd International Conference on Geotechnical Issues in Energy, Infrastructure and Disaster Management (ICGEID-2024), 18-20th January 2024, DCEE, IIT Patna..
8. Subrata Hait - Manuscript Reviewer, Cleaner Water (Elsevier).
9. Syed Khaja Karimullah Hussaini - Reviewer: Construction and Building Materials.
10. Vaibhav Singhal - Invited Lecture: Confined Masonry: An Alternative Earthquake Resistant Housing Seminar organized by Department of Civil Engineering, University of Patras, Greece..
11. Subrata Hait - Manuscript Reviewer, Science of The Total Environment (Elsevier).
12. Sudhir Varma - Lecture on Pavement Materials and Evaluation (PME-2023) at Indira Gandhi Institute Of Technology Sarang, Govt. of Odisha.
13. Subrata Hait - Manuscript Reviewer, Journal of Environmental Chemical Engineering (Elsevier).
14. Sudhir Varma - Talk at "Inter-State site visit to Green/ New Technologies in Bihar" BRRDA, Govt of Bihar.
15. Subrata Hait - Session Chair, Technical Session, One Day National Symposium on Emerging Contaminants: Monitoring Risk Assessment and Environmental Health, November 30, 2023, Patna University, Patna.
16. Sudhir Varma - Talk at "Inter-State site visit to Green/ New Technologies in UP" UPRRDA, Govt of UP.
17. Arvind Kumar Jha - Young Researcher Special Speakerson 2nd International Conference on Construction Resources for Environmentally Sustainable Technologies (CREST 2023), Fukuoka International Congress Center, Fukuoka, Japan, November 20 - 22th, 2023..
18. Subrata Hait - Manuscript Reviewer, Chemosphere (Elsevier).
19. Syed Khaja Karimullah Hussaini - Reviewer: International Journal of Geomechanics.
20. Vaibhav Singhal - Invited Lecture: Strengthening of Masonry Using Externally Bonded Cementitious Matrix Grid Guest Lecture organized by IAStructE, IIIT Hyderabad Student Chapter, Hyderabad.
21. Sudhir Varma - Lecture on Resilient and Sustainable Transportation Engineering (RASTE) at NIT Patna.
22. Subrata Hait - Manuscript Reviewer, Journal of Environmental Management (Elsevier).
23. Subrata Hait - Manuscript Reviewer, Journal of Hazardous Materials (Elsevier).
24. Syed Khaja Karimullah Hussaini - Reviewer: Computers and Geotechnics.
25. Subrata Hait - Expert Member, Curriculum Development Committee for the Diploma in E-Waste Management, National Institute of Open Schooling (NIOS), Ministry of Education, Govt. of India.
26. Syed Khaja Karimullah Hussaini - Reviewer: Geosynthetics International.
27. Syed Khaja Karimullah Hussaini - Reviewer: Geotextiles and Geomembranes.
28. Subrata Hait - Manuscript Reviewer, Environmental Pollution (Elsevier).

29. Subrata Hait - Panelist, Panel Discussion on Challenges in e-Waste Management, IndiGlobal Waste Management Summit-2023, September 22-23, 2023, IndiGlobal Media Network, Hyderabad, Telangana.
30. Vaibhav Singhal - Invited Lecture: Earthquake Resilient Construction-Learning from Past and Way Forward Keynote Lecture on 56th Engineers Day Celebration organized by The Institute of Engineers (India) Bihar State Centre..
31. Subrata Hait - Expert Member and Reviewer, The Prime Minister's Research Fellows (PMRF) Scheme (Environmental Engineering).
32. Manoj Kumar Yadav - Resources person for Regional Seminar on Preventive Maintenance of Rural Water Supply Schemes in the Flood Prone Areas organized by Development Management Institute, Patna (A Key Resource Centre under National Jal Jeevan Mission, Ministry of Jal Shakti, GoI) at Hotel Chanakya, Patna on August 04, 2023..
33. Akshar Tripathi - Guest Editor for Special Issue: Artificial Intelligence in Remote Sensing and Geosciences: Applications for Earth Observations, Frontiers in Earth Science (Frontiers, IF = 3.0).
34. Subrata Hait - Evaluator, Poster Session, National Conference on Desalination, Brine Management and Water Recycling 2023 (DesaltM 23), July 21-22, 2023, IIT Bombay.
35. Syed Khaja Karimullah Hussaini - Reviewer: Journal of Geotechnical and Geoenvironmental Engineering.
36. Syed Khaja Karimullah Hussaini - Reviewer: Journal of Materials in Civil Engineering.
37. Arvind Kumar Jha - Delivered Keynote Lecture on International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023), 7-8th July 2023, Jyothy Institute of Technology Bangalore under the banner of G20 C20..
38. Subrata Hait - Reviewer and Evaluator, Late Shri Girish Vishnuprasad Desai Awards for Research Excellence (2023), Environmental Science and Engineering Department (ESED), IIT Bombay.
39. Vaibhav Singhal - Invited Lecture: Confined Masonry: An Alternative Earthquake Resistant Housing during SSF Workshop on From Temporary Shelter to Semi-Permanent Homes organized by SMARTnet, The Netherlands.
40. Subrata Hait - Manuscript Reviewer, Bioresource Technology Reports (Elsevier).
41. Koushik Roy - Expert member on Structural Engineering, State Technical Agency, Pradhan Mantri Gram Sadak Yojana.
42. Subrata Hait - External Examiner, M.Tech Dissertation, Dept. of Civil Engineering, NIT Patna.
43. Subrata Hait - External Member, Doctoral Committee, Department of Civil Engineering, NIT Patna.
44. Manoj Kumar Yadav - Guest lecture on Advance Wastewater treatment conducted by the Department of Civil Engineering, Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology (VPKBIET) Baramati, Maharashtra on May 01, 2023..
45. Akshar Tripathi - Guest Editor for Special Issue: Recent Advances in Remote Sensing for Sustainable Environment, Environmental Monitoring and Assessment (Springer, IF = 3.307).
46. Sudhir Varma - Full Depth Reclamation (FDR) Workshop by NRIDA.
47. Vaibhav Singhal - Reviewer for various International Journals: Engineering Structures, Journal of Archaeological Science, Practice Periodical on Structural Design and Construction, Journal of Building Engineering, Structures, Engineering Failure Analysis, Construction and Building Materials and Applied Science.

Seminar, Conference and Workshop Organised

1. Amit Kumar Verma - Coordinator:-National Conference on Lightning Resilience, IIT Patna (Coordinator) Participants: 75.
2. Akshar Tripathi - CONVENER AND PI:-One-day ISRO DMSP Sponsored awareness course on SAR Interferometry for disaster Management, IIT PATNA (CONVENER AND PI) Participants: 40.
3. Vishal Deshpande - Co-Organizer:-one-day in-person awareness course on Applications of SAR Interferometry for disaster management, IIT Patna (Co-Organizer) Participants: 50.
4. Arvind Kumar Jha - Co-convener:-2nd International Conference on Geotechnical Issues In Energy, Infrastructure and Disaster Management (ICGEID), January 19-20, 2024, DCEE, IIT Patna., IIT Patna (Co-convener) Participants: 300.
5. Pradhi Rajeev - Organizing Committee:-ICGEID 2024, IIT Patna (Organizing Committee) Participants: 200.

6. Amit Kumar Verma - Coordinator:-International Conference on Geotechnical Issues in Energy, Infrastructure and Disaster Management (ICGEID-2024) in January 2024, IIT Patna (Coordinator) Participants: 350.
7. Arvind Kumar Jha - International Technical Member and Young Researcher Special Speakers :-2nd International Conference on Construction Resources for Environmentally Sustainable Technologies (CREST 2023), Fukuoka International Congress Center, Fukuoka, Japan (International Technical Member and Young Researcher Special Speakers) Participants: 400.
4. Ramakrishna Bag - Conducted Pre-submission seminar as external doctoral committee member of NIT Patna PhD student.
5. Subrata Hait - Invited talk on Occurrence and Distribution of Microplastics in Different Aqueous Matrices and Their Removal from Sewage Systems by Sustainable Tertiary Treatment Techniques, One Day National Symposium on Emerging Contaminants: Monitoring Risk Assessment and Environmental Health, November 30, 2023, Patna University, Patna..
6. Subrata Hait - Invited talk on Green Metallurgical Techniques for Recovery of Critical Metals from E-waste for Sustainable Development: Challenges and Opportunities, Faculty Development Program on Green Technology for Sustainable Development, November 25, 2023, Indian Institute of Information Technology (IIIT) Ranchi..
7. Subrata Hait - Invited talk on Occurrence and Distribution of Microplastics in Different Technology-based Sewage Treatment Plants and Their Coagulative Removal from Secondary Treated Sewage Effluent using Ferric Chloride and Chitosan, National Conference on Desalination, Brine Management and Water Recycling 2023 (DesaltM 23), July 21-22, 2023, IIT Bombay..
8. Ramakrishna Bag - PhD thesis reviewer cum external examiner of IIT Madras Civil Engineering Dept student.
9. Manoj Kumar Yadav - External examiner evaluation of the dissertation course of MTech (Environmental Engineering) program 2021-2023 on 19th may 2023..

Visit Abroad

1. Akshar Tripathi - INVITED AS SESSION CHAIR AT THE 8TH INTERNATIONAL CONFERENCE ON CLIMATE CHANGE BY THE UNIVERSITY OF COLOMBO (SRI LANKA) 5 Days
2. Arvind Kumar Jha - Invited speakers (Japan) 7 Days
3. Ramakrishna Bag - To present a paper during Symposium on Energy Geotechnics (SEG-23) (TU Delft, Netherlands) 5 Days
4. Anilkumar Bachu - To Attend 16th WCTR (Montreal, Canada) 5 Days
5. Anilkumar Bachu - To Attend 8th MT-ITS. (Nice, France and Milan, Italy) 12 Days

Other Academic Activities

1. Akshar Tripathi - DELIVERED A TALK ON MACHINE LEARNING BASED MODELLING FOR REMOTE SENSING APPLICATIONS IN THE DST SPONSORED FDP PROGRAM ORGANISED BY VIT VELLORE CHENNAI CAMPUS.
2. Ramakrishna Bag - Conducted Pre-registration seminar as external doctoral committee member of NIT Patna PhD student.
3. Ramakrishna Bag - PhD thesis reviewer cum external examiner of IIT Madras of Civil Engineering Dept. student.

Computer Science and Engineering

Head: Prof. Rajiv Misra



Dr. Abyayananda Maiti

Assistant Professor
Online Algorithms, Complex
Networks, Social Networks



Dr. Arijit Mondal

Assistant Professor
CAD for VLSI, Analog EDA



Dr. Asif Ekbal

Associate Professor (On-Lien)
Natural Language Processing,
Data Mining and Machine
Learning Applications, Information
Extraction, Text Mining



Prof. Jimson Mathew

Professor
Fault Tolerant Computing, VLSI
Design and Methodologies, Deep
learning Architectures and Applied
Time series Analysis



Dr. Joydeep Chandra

Associate Professor
Online Social Networks, Complex
Networks, Machine Learning



Dr. Mayank Agarwal

Assistant Professor
Wireless Network, Wi-Fi Security,
Discrete Event Modeling



Prof. Rajiv Misra

Professor
Distributed Systems, Cloud
Computing, Big Data Computing,
Consensus in Blockchain, Cloud IoT
Edge Computing, Adhoc Networks
and Sensor Networks



Dr. Raju Halder

Associate Professor
Formal Methods for Analysis and
Verification, Blockchain and Smart
Contract, Programming Languages,
Information Systems Security



Dr. Samrat Mondal

Associate Professor
Security & Privacy, Database &
Data Mining Applications, and
Energy management & intelligent
transportation systems



Prof. Somanath Tripathy

Professor
Blockchain, Cloud security, IoT
Security, Machine Learning security



Dr. Sourav Kumar Dandapat

Assistant Professor
Wireless Networking, Mobile
Social Computing, Human
Computer Interaction



Dr. Sriparna Saha

Associate Professor
Machine Learning, Text Mining,
Pattern Recognition, Multiobjective
Optimization, Bio-Text Mining,
Bioinformatics, Soft Computing



Dr. Suman Kumar Maji

Assistant Professor
Image Processing, Machine
Learning & AI, Computer Vision,
Biomedical Imaging, Bioinformatics



Dr. Chandranath Adak

Assistant Professor
Computer Vision, Document Image
Analysis, Data Science, Deep
Learning, Reinforcement Learning,
and AI-related subjects.



Dr. Satendra Kumar

Assistant Professor
Wireless Networks, Internet
of Things, Game Theory, and
Mechanism Design



Dr. Arijit Roy

Assistant Professor
Internet of Things,
Cloud Computing, Fog
and Edge computing



Dr. Rahul Mishra

Assistant Professor
Deep Learning, Fog Computing,
Internet of Things (IoT),
Wireless Sensors Network
(WSN), Smart Sensing

Research Area

1. Jimson Mathew, Computer Vision, Applied Time Series Analysis, High Performance Computing, Computer Architecture
2. Somanath Tripathy, Cyber Security
3. Sourav Kumar Dandapat, Social Network, Text analysis, summarization, machine learning, disaster management, dialogue management
4. Rahul Mishra, Federated Learning, Model Compression, and Sensor data analysis in IoT network
5. Chandranath Adak, Machine/ Deep/ Reinforcement Learning
6. Chandranath Adak, Computer Forensics & Biometrics
7. Chandranath Adak, Document Image/ Text/ Handwriting/ Language Processing
8. Chandranath Adak, Data Analytics & Visualization
9. Chandranath Adak, Artificial Intelligence
10. Suman Kumar Maji, Image Processing, Machine Learning & AI, Computer Vision, Biomedical Imaging, Bioinformatics
11. Joydeep Chandra, Machine Learning on graphs
12. Joydeep Chandra, Intelligent Transportation Systems
13. Joydeep Chandra, Machine Learning
14. Samrat Mondal, Security & Privacy, Machine Learning Application, Smart Grid Applications
15. Abyayananda Maiti, Online Algorithms, Complex Networks
16. Sriparna Saha, Multimodal Information Processing, Natural Language Processing, Deep Learning and Machine Learning based Bioinformatics, Multiobjective Optimization
17. Rajiv Misra, Internet of Things, Cloud and Edge Computing, Bigdata, 5G Network Slicing
18. Rishav Singh, Artificial Intelligence and Data Science
19. Arijit Mondal, Deep learning
20. Mayank Agarwal, ML application in Open Channel Hydraulics
21. Mayank Agarwal, Network Security
22. Mayank Agarwal, Discrete Event System
23. Mayank Agarwal, 802.11 Wifi Networks
24. Mayank Agarwal, Deep learning

25. Arijit Roy, Machine Learning for Internet of Things
26. Satendra Kumar, Wireless Networks, Network Economics, Game-Theory Applications, Internet of Things, Machine Learning, Blockchain
27. Arijit Mondal, Real time cyber physical systems
28. Mayank Agarwal, Wireless Security
29. Arijit Mondal, Smart grid
30. Somanath Tripathy, Malware detection
31. Somanath Tripathy, Secure ML
32. Somanath Tripathy, Blockchain
33. Raju Halder, Blockchain Technology
34. Raju Halder, Program Analysis and Verification
35. Raju Halder, Formal Methods

Patents (filed/Granted)

1. Patent Name: System And Method For Activity Based User Authentication, Status: Granted, Ref. No: 201731045587, Patent Owner: Sourav Kumar Dandapat
2. Patent Name: Despeckling Technology for processing Earths Surface Visuals captured by Synthetic Aperture Radar (SAR), Status: Published, Ref. No: 202331040088, Patent Owner: Suman Kumar Maji
3. Patent Name: Design of an IOT-Edge based Disaster Early Warning System (EWS) for Natural Disasters Prediction in Real-Time, Status: Filed, Ref. No: 202331079266, Patent Owner: Rajiv Misra
4. Patent Name: Service Provider System for Authenticating a User and a Method There Of, Status: Filed, Ref. No: 202331049299, Patent Owner: Somanath Tripathy
5. Patent Name: SYSTEM FOR GEARBOX FAULT DIAGNOSIS IN ELECTRIC VEHICLES AND OR HYBRID VEHICLE, Status: Filed, Ref. No: 202331048846, Patent Owner: Arijit Mondal
6. Patent Name: Design of adhesion based omni orientation surface traverse mechanism in crawling quadruped trot-gaited robot, Status: Filed, Ref. No: 202331026910, Patent Owner: Raju Halder
7. Patent Name: System and Method For Automated Disease Diagnosis, Status: Published, Ref. No: 202331005983, Patent Owner: Sriparna Saha

Professional Activities by Faculty Members

1. Raju Halder - Delivered invited talk on "Blockchain Technology" in International Conference on Women in Multifaceted Research (ICWMR 2024), GNSU, Rohtas, Bihar .
2. Raju Halder - Delivered invited talk on "Formal Analysis and Verification of Blockchain Smart Contracts" in International Symposium on Security Engineering for Trusted Cyberspace (ISSETC 2024), CDAC Patna, Rajgir, Bihar.
3. Raju Halder - Delivered invited talk on "Blockchain Technology" in One Day Webinar on "Recent trend in AI & Blockchain Technology Application in Supply Chain Management to meet Sustainable Development Goals", by ORSI Durgapur Chapter .
4. Suman Kumar Maji - National Advisory Committee member for Second International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE'24) 2024 conference in VIT Vellore India..
5. Arijit Roy - Co-chair, The 2nd Workshop on AI/ML for Edge/Fog Networks, co-located with the IEEE GLOBECOM 2023, Kuala Lumpur, Malaysia, December 4-8, 2023, Chairs: Arijit Roy, Ayan Mondal, Sudip Misra, and Sidi-Mohammed Senouci.
6. Suman Kumar Maji - Technical Program Committee member for Computer Vision Machine Intelligence (CVMI) 2024 conference in IIIT Prayagraj.
7. Joydeep Chandra - Associate Editor, Springer, International Journal on Data Science and Analytics (JDSA).
8. Arijit Roy - Track Chair, Communication Networks, Cloud computing and IoT Track, 3rd International Conference on Frontiers in Computing and Systems (COMSYS), 2023, Springer, Himachal Pradesh, Indian, October 17-18, Chairs: Manas Khatua, Sujoy Saha, Malay Kule, and Arijit Roy.
9. Sriparna Saha - Delivered an invited talk at Inclusive STEM Education workshop at IJCAI 2022..
10. Joydeep Chandra - Senior Program Committee at AAAI Conference on Artificial Intelligence 2024 (A* ranked conference).
11. Raju Halder - Delivered invited talk on "Blockchain Technology" in High-end Workshop (KARYASHALA) on "Cryptocurrency and Blockchain Technology: Fundamentals, Programming and Case Studies" at Punjab Engineering College Chandigarh.
12. Mayank Agarwal - Technical Program Committee (TPC) - 5th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND-2023) during 21-22 December 2023..
13. Arijit Roy - Co-chair, The 2nd Workshop on Softwarized Next Generation Networks for IoT Services, co-located with the IEEE ICC 2023, Rome, Italy, May 28-June 1, 2023, Chairs: Sudip Misra, Paolo Bellavista, Ayan Mondal, and Arijit Roy..
14. Sriparna Saha - Delivered a lecture at Short Term Course Program (STC) on AI & IoT in Biomedical Engineering organized by IIIT Bhagalpur.
15. Arijit Roy - Co-chair, The 1st workshop on Cloud, Edge, and Fog for Smart Industries, co-located with the IEEE CCGrid 2023, Bangalore, India from May 1-4, 2023, Chairs: Pavan Kumar BN, Sujata Pal, Pascal Bouvry, Panagiotis Sarigiannidis, and Arijit Roy..
16. Sriparna Saha - Delivered a talk in the Faculty Development Programme (FDP) on Natural Language Processing (online mode) organized by NIT Warangal.
17. Raju Halder - Delivered invited talk on "Blockchain Technology" in National Seminar on Cyber-crime and Cyber-law at Mizorum University .
18. Raju Halder - Journal Reviewer: Blockchain: Research and Applications (Elsevier), Journal of Computer Languages (Elsevier), Distributed Ledger Technologies (ACM), IEEE Transactions on Dependable and Secure Computing (IEEE).
19. Raju Halder - Conference Reviewer: ICECCS 2024,, ICBC 2024, MEDI 2023, FDSE 2023, DATA 2023, ACSS 2023, CISIM 2023.
20. Raju Halder - IEEE Senior Member (2022 - Present), INSTICC (2019-Present).
21. Raju Halder - Conference Session Chair: ICECCS 2023.
22. Raju Halder - Program Committee Member: ICBC 2024, MEDI 2023, FDSE 2023, DATA 2023, ACSS 2023, CISIM 2023.
23. Raju Halder - BoS Member: Dwarkadas J. Sanghvi College of Engineering (University of Mumbai), Gopal Narayan Singh University (Jamuhar, Bihar), GIET University (Gunupur, Odisha).

Seminar, Conference and Workshop Organised

1. Sriparna Saha - Lead Organizer and Chairperson, WGRC, IIT Patna:-Workshop on Gender Sensitization and Awareness regarding the PoSH Act, IIT Patna (Lead Organizer and Chairperson, WGRC, IIT Patna) Participants: 200.
2. Sriparna Saha - Academic Coordinator:-ACM India Winter School on Recent Trends on AI/ML for Industry 4.0, IIT Patna (Academic Coordinator) Participants: 44.
3. Chandranath Adak - Academic & Local Co-ordinator (jointly with Dr. Sriparna Saha):-ACM India Winter School on Recent Trends in AI/ML for Industry 4.0, IIT Patna (Academic & Local Co-ordinator (jointly with Dr. Sriparna Saha)) Participants: 50.
4. Asif Ekbal - Organizing Committee Member :-MTIL Track at FIRE 2023: Machine Translation for Indian Languages, University of Goa (Organizing Committee Member) Participants: 32.
5. Sriparna Saha - Organizer:-Large Language Models: Interpretability and Trustworthiness (LLMIT), University of Birmingham and Eastside Rooms (Organizer) Participants: 20.
6. Sriparna Saha - IEEE Student Branch Councilor :-National Symposium of Research Scholars, IIT Patna (IEEE Student Branch Councilor) Participants: 70.
7. Joydeep Chandra - Organizer, General Chair:-Special Session on Learning from Temporal Data (LearnTeD, 2023) in conjunction with the 10th IEEE International Conference on Data Science and Analytics (Core Ranked A), Thessaloniki, Greece (Organizer, General Chair) Participants: 20.

Visit Abroad

1. Asif Ekbal - Attending EMNLP Conference (Singapore) 8 Days
2. Arijit Roy - Conference (Malaysia) 6 Days
3. Samrat Mondal - To present paper in ICONIP Conference 2023 (Changsha, China) 4 Days
4. Sriparna Saha - Deliver a talk at Queen's University, Belfast (United Kingdom) 3 Days
5. Joydeep Chandra - Paper presented at 10th IEEE International Conference on Data Science and Analytics (Thessaloniki, Greece) 4 Days
6. Asif Ekbal - For attending IJCAI 2023 (Macao) 6 Days

7. Jimson Mathew - International Conference on Green Energy, Computing and Intelligent Technology., University of Southampton, Johor, Malaysia (University of Southampton, Johor, Malaysia) 5 Days
8. Sriparna Saha - Attended IJCNN 2023 at Griffith University, Gold Coast, Australia (Australia) 11 Days
9. Raju Halder - Research Visit (INPT-ENSEEIH/IRIT, Toulouse, France) 30 Days
10. Sriparna Saha - Visited and delivered a talk at Monash University, Kuala Lumpur (Malaysia) 13 Days

Other Academic Activities

1. Sriparna Saha - Delivered a talk online at the APPCAIR BITS Pilani - IEEE AI Symposium.
2. Sriparna Saha - Delivered a talk at AISS 2024: Exploring Large Language Models (LLMs).
3. Asif Ekbal - Senior Area Chair, NLP, AAAI 2024.
4. Sriparna Saha - Special issue editor (guest editor) of ACM Transactions on Asian and Low Resources Language Information Processing on AI and NLP for Emotions, Feelings, and Mental Health in low-resource languages.
5. Sriparna Saha - Delivered a keynote talk on 6th March 2024 in the second half during our 6th IEEE International Conference on Emerging Smart Computing & Informatics (ICESCI)-2024.
6. Sriparna Saha - Special issue editor (guest editor) of Natural Language Engineering (OXFORD university press) journal on NLP Approaches for Computational Analysis of Social Media Texts for Online Well-being and Social Order.
7. Asif Ekbal - Invited Talk on "Deep Learning for NLP", Workshop on Deep Learning for NLP, NIT Trichy, India .
8. Asif Ekbal - Session Chair, EMNLP.
9. Arijit Mondal - Invited talk on Sequence Modeling.
10. Asif Ekbal - Area Chair, Information Extraction EMNLP.
11. Sriparna Saha - Tutorial on Summarization Systems: From Text to Multimodal delivered in ICONIP 2022, New Delhi. .
12. Sriparna Saha - Delivered a talk at ACM India Chapter Summit 2023.
13. Sriparna Saha - Keynote talk at 2nd International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2023),BITS Pilani.

14. Sriparna Saha - Keynote talk in the workshop Inspiring Women in Science and Technology, NIT Patna.
15. Sriparna Saha - Keynote talk in the workshop of "Application of Artificial Intelligence in Architecture & Design", NIT Patna.
16. Sriparna Saha - Tutorial on Navigating the Evolving Landscape of Conversational AI for Digital Health: From Yesterday to Tomorrow by T. Saha, A. Tiwari, S. Saha delivered in INTERSPEECH 2023.
17. Asif Ekbal - Invited Talk on "Harnessing the power of NLP for improved clinical decision making and patient care", The 6th International Workshop on Knowledge Discovery from Healthcare Data. In IJCAI 2023, Macao, (<https://sites.google.com/view/kdh-2023/>)-.
18. Arijit Mondal - Invited talk on Deep learning.
19. Asif Ekbal - Invited Talk at Linked-in on "Hate Speech and Misinformation Detection".
20. Sriparna Saha - Delivered Expert talk in short term course on Advanced Optimization Techniques for Engineering Applications (AOTEA 2023), NIT Kurukshetra.
21. Sriparna Saha - Invited talk at Microsoft .
22. Sriparna Saha - Speaker of ACM India Grad Cohort 2023, IISc Bangalore.
23. Sriparna Saha - Invited talk at Monash University, Malaysia Campus.
24. Sriparna Saha - Tutorial on Trends and Overview: The Potential of Conversational Agents in Digital Health by T. Saha, A. Tiwari, S. Saha delivered in ECIR 2023, Dublin, Ireland .
25. Sriparna Saha - Tutorial on Trends and Overview: The Potential of Conversational Agents in Digital Health by Tulika Saha, Abhisek Tiwari, Sriparna Saha will be delivered in ECIR 2023, Dublin, Ireland.

Any Other Information

1. Arijit Mondal - EVXplorer, start-up, team member.
2. Arijit Mondal - DeepGaze, start-up, team member.
3. Rishav Singh - I have joined IIT Patna on February 1, 2024. The details filled are only for the month of February and March 2024..
4. Arijit Mondal - MTP Evaluation at IIT Kharagpur.

Electrical Engineering

Head: Dr. S. Sivasubramani



Dr. Ahmad Ali

Associate Professor
Control Systems, Evolutionary algorithms, New tuning strategies for controller design, Relay based system identification



Prof. Jawar Singh

Professor
Semiconductor Devices/ Microelectronics/ VLSI/ Modeling and Simulation of Classical and Non- classical devices, Neuromorphic Computing Device and Circuits



Dr. Kailash Chandra Ray

Associate Professor
VLSI architectural design, VLSI Signal Processing, Digital VLSI Design, Hardware design methodologies, FPGA based System Design, CORDIC



Dr. Maheshkumar H. Kolekar

Associate Professor
Digital Image Processing, Digital Signal Processing, Digital Video Processing, Video Surveillance, Multimedia Communication, Signal Processing for communication, Tele-medicine, Medical Signal and Image Processing, Neuroscience, Neuro-cognition



Dr. Pramod Kumar Tiwari

Associate Professor
Semiconductor Devices and Circuits



Prof. Preetam Kumar

Professor
Physical Layer issues in Wireless Communications, Signal Processing for Communication Systems, VLSI for Communication, Wideband Antenna Design, Underwater Communications



Dr. Rajib Kumar Jha

Associate Professor
Digital Image and Video Processing, Medical Imaging,
Stochastic resonance for signal and image processing
applications, Machine learning and Deep learning



Dr. Ranjan Kumar Behera

Associate Professor
Design and Fabrication of Power Electronics Circuits,
Control of Electrical Drives, Application of Nonlinear
Control Theory to Power Electronics and Electric Drives,
Pulse Width Modulation Techniques for Power Electronics



Dr. S. Sivasubramani

Associate Professor
Power System Optimization, Smart Grid



Dr. Sanjoy Kumar Parida

Associate Professor
Optimal Operation and Control of Power System; Power
System Dynamics; Wide-Area Monitoring, Control and
Protection; Microgrid Operation, Control and Protection



Dr. Saurabh Kumar Pandey

Associate Professor
Optoelectronics Devices, Semiconductor thin films,
Photovoltaic, Sensors, Microelectronics/VLSI device
modeling and simulation, MEMS



Dr. Sudhir Kumar

Associate Professor
Wireless Sensor Networks, Internet of Things (IoT),
Molecular and MIMO Communications, Applications
of Signal Processing and Machine Learning. Topics of
current interests: Location based services, Tracking,
Navigation, Clustering, Anomaly Detection, Supervised and
Unsupervised Learning for Smart Environments, Activity
Recognition, Molecular and MIMO Communications



Dr. Sumanta Gupta

Associate Professor
Digital Signal Processing for Communication, Coherent Optical Communication, Photonic Integrated Circuits (PICs), All-Optical Signal Processing, Design, Characterization, and Optimization of Fiber-Optic Transmission Systems and Networks



Dr. Shovan Bhaumik

Associate Professor
Statistical signal processing, Nonlinear estimation, Aerospace target tracking and Smart material. Solar Cells. Micro-Nanoelectronics, MEMS, Modeling & Simulation. Power System Dynamics; Wide-Area Monitoring, Control and Protection; Microgrid Operation, Control and Protection



Dr. Udit Satija

Assistant Professor
Bio-medical signal processing, Wearable healthcare monitoring, Human activity monitoring, Machine and deep learning, Signal processing for wireless communication, Compressed sensing, Cognitive radios, Internet of things



Dr. Yatendra Kumar Singh

Associate Professor
RF MEMS, Computational Electromagnetics



Dr. Amit Kumar Singh

Assistant Professor
mm-Wave Antennas for 5G and beyond, Intelligent adaptive metasurfaces (IRS) and antennas for beyond-5G applications, IRS for 5G and beyond, Easy deployable reflectarray antenna for microsatellite applications, SDR, and SDR Based Radar for Detection and Ranging



Dr. Suraj Suman

Assistant Professor
Tactile Internet System, UAV Air Traffic Management System, Intelligent Wireless Connectivity for Post 5G Era, Testbed Design and Proof-of-Concept Development



Dr. Somanath Pradhan

Assistant Professor
Adaptive Signal Processing, Active Noise Control, Signal Processing for Assistive Listening Devices, Audio Signal Processing, Applications of Machine Learning



Dr. Jagannath Malik

Assistant Professor
Antennas, Multifunctional Metamaterials, Electromagnetic Sensors, EM-based biosensors



Dr. Abhinoy Kumar Singh

Assistant Professor
Stochastic control; Estimation and filtering; Monitoring; Continuous glucose monitoring



Dr. Bussa Vinod Kumar

Assistant Professor
Power Electronics and Drives



Dr. Avneet Kumar

Assistant Professor
Z-source inverters, Multilevel inverters, DC-DC converters, Converter Modelling and control, Digital control in power electronics, Converter's applications for EV/HEV/FCV/Grid Connected systems, Product Development for 2/3/4 wheeler EV applications

Research Area

1. Ahmad Ali, Robust Control, Active Disturbance Rejection Control
2. Saurabh Kumar Pandey, Simulation and Fabrication: Semiconductor Optoelectronics Devices II-VI & III-V based thin films & Heterostructure Thin film solar cells & MEMS based devices
3. Preetam Kumar, 5G & 6G Communication, Physical Layer issues in Wireless Communications, ORAN, Beamforming, Signal Processing for Communication Systems, VLSI for Communication, Wideband Antenna Design, Underwater Communications
4. Sudhir Kumar, Quantum computing applications
5. Avneet Kumar, Power Electronics
6. Avneet Kumar, Electric Drives
7. Avneet Kumar, EV Integration
8. Avneet Kumar, Solar Integration
9. Amit Kumar Singh, 6G THz Test Bed, THz Antennas and Intelligent Reflecting Surfaces for 6G, Electromagnetic Warfare
10. Somanath Pradhan, Adaptive Signal Processing, Active Noise Control, Signal Processing for Assistive Listening Devices, Audio Signal Processing, Applications of Machine Learning
11. Udit Satija, Multimodal Information Processing, Deep Learning, Biomedical Embedded System
12. Yatendra Kumar Singh, Radio Frequency Integrated Circuits (RFICs), Analog and Mixed Signal Integrated Circuits
13. Pramod Kumar Tiwari, Semiconductor Devices
14. Jagannath Malik, Orbital angular momentum (OAM) Antenna, Multifunctional Metamaterials, Electromagnetic Sensors, EM-based biosensors
15. Jawar Singh, Semiconductor Devices and Circuits, Hardware Security, Device and Circuits for AI Accelerators, and Neuromorphic Computing
16. Suraj Suman, UAV-aided System Design, Tactile Internet, Intelligent Wireless Connectivity for Post 5G Era
17. Shovan Bhaumik, Signal processing and control
18. Kailash Chandra Ray, VLSI and Embedded System
19. Ranjan Kumar Behera, Power Electronics Converters. Electrical Machines and High-Performance Drives. Micro and smart grid Solar and Wind Energy Integration. Solar tree design for rural electrification
20. Bussa Vinod Kumar, Power Electronics & Drives (Design of Power Electronics Converters and Electrical Machines for Renewable energy sources and Electric vehicles and their control).
21. Rajib Kumar Jha, Digital Image Processing, Medical Image Processing
22. Sudhir Kumar, Wireless Sensor Networks
23. Sudhir Kumar, Molecular Communications
24. Sudhir Kumar, Machine and Deep Learning applications
25. Sudhir Kumar, Signal Processing applications
26. Maheshkumar H Kolekar, Digital Signal, Image and Video Processing
27. Maheshkumar H Kolekar, Artificial Intelligence
28. Maheshkumar H Kolekar, Deep Learning for video surveillance
29. Maheshkumar H Kolekar, Biomedical Signal and Image Processing
30. Maheshkumar H Kolekar, Neuroscience
31. Sudhir Kumar, Internet of Things (IoT)
32. Sanjoy Kumar Parida, Power System Dynamics, Control and Protection
33. Sanjoy Kumar Parida, Microgrid Dynamics, Control and Protection
34. Sanjoy Kumar Parida, Power System Operation and Control
35. Suraj Suman, UAV-aided System Design, Tactile Internet, Intelligent Wireless Connectivity for Post 5G Era
36. Abhinoy Kumar Singh, Control Systems
37. Abhinoy Kumar Singh, Estimation and filtering
38. Abhinoy Kumar Singh, Stochastic system
39. S Sivasubramani, Power Systems

Patents (filed/Granted)

1. Patent Name: A Digital Stethoscope, Status: Published, Ref. No: 202431006854, Patent Owner: Udit Satija
2. Patent Name: A System For Diagnosing Chronic Obstructive Pulmonary Disease (COPD), Status: Published, Ref. No: 202431006855, Patent Owner: Udit Satija
3. Patent Name: HYBRID SOLAR TRACKING SYSTEM FOR A SOLAR COLLECTOR AND METHOD THEREOF,

Status: Granted, Ref. No: 202031022971, Patent Owner: Ahmad Ali

4. Patent Name: Millimeter Wave Quad-Ridge Probe Antenna, Status: Granted, Ref. No: 10-2019-0002175, Patent Owner: Amit Kumar Singh
5. Patent Name: HETEROJUNCTION VERTICAL TFET BASED ELECTROLYTE pH SENSOR, Status: Filed, Ref. No: 202331073763, Patent Owner: Jawar Singh

Professional Activities by Faculty Members

1. Suraj Suman – Peer Reviewer for IEEE Wireless Communications Letters, IEEE Communications Letters, IEEE Transactions on Vehicular Technology, IEEE IoT Journal.
2. Udit Satija – Expert talk on "Deep Learning for Biomedical Signals" at high-end Workshop on Machine Learning and Deep Learning Algorithms for Human Disease Diagnosis and Classification with Hands-on organized by the department of EE at IIT Patna, under the KARYASHALA Scheme funded by SERB, from March 08-14,2024..
3. Udit Satija – Expert talk on "Introduction to Biomedical Signals" at high-end Workshop on Machine Learning and Deep Learning Algorithms for Human Disease Diagnosis and Classification with Hands-on organized by the department of EE at IIT Patna, under the KARYASHALA Scheme funded by SERB, from March 08-14,2024..
4. Jagannath Malik – Expert Talk: Recent Trends in RF Engineering at IIITDM Kancheepuram.
5. Udit Satija – IEEE Student Advisor, IEEE Patna Subsection.
6. Sanjoy Kumar Parida – Teachers Training Program Under MMTTC UGC.
7. Jawar Singh – Board of Studies NIT Jalandhar.
8. Jawar Singh – Board of Studies The Maharaja Sayajirao University of Baroda.
9. Jawar Singh – Memeber Faculty Selection Committee SRM Vijayavada.
10. Jawar Singh – Memeber Faculty Selection Committee PEC Chandigarh.
11. Jawar Singh – Memeber Faculty Selection Committee NIT Jalandhar.
12. Jawar Singh – Memeber Faculty Selection Committee NIT Patna.
13. Jawar Singh – Memeber Faculty Selection Committee IIIT Gwalior.
14. Jawar Singh – Board of Studies PEC Chandigarh.
15. Jawar Singh – Board of Studies IIIT Bhopal.
16. Jawar Singh – Board of Studies NIT Patna.
17. Jagannath Malik – Invited Talk: IEEE Student Branch, Department of Electronics & Communication Engineering at KL Deemed to be University Hyderabad.
18. Udit Satija – Delivered a Keynote talk at NeLeX 2023 conference, VIT vellore.
19. Jagannath Malik – Expert Talk: International Conference on Applied Electromagnetics, Signal Processing and Communication 2023 at KIIT, Odisha.
20. Jawar Singh – Co-founder for a Startup QTRINO LAB PVT LTD.
21. Dr Maheshkumar Hanmant Kolekar – Project Evaluation Committee member, TIH IIT Kharagpur.
22. Sudhir Kumar – IEEE Senior Member.
23. Sudhir Kumar – Indian Society for Technical Education (ISTE) Life Member.
24. Sudhir Kumar – ACM Member.
25. Jawar Singh – Institutional Anti-Plagiarism Committee (IAPC), IIT BHU.

Seminar, Conference and Workshop Organised

1. Preetam Kumar – Convenor:-Emerging Technologies for Beyond 5G Communication Networks, IIT Patna (Convenor) Participants: 60.
2. Suraj Suman – Co-convenor:-Emerging Technologies for Beyond 5G Communications Networks (ETC 1019), IIT Patna (Co-convenor) Participants: 34.
3. Jagannath Malik – Coordinator:-(KARYASHALA) on High-End Workshop on Applications of Metamaterials-based Microwave Circuits and Antennas for Next Generation Communications, IIT PATNA (Coordinator) Participants: 25.
4. Suraj Suman – Convener:-Intelligent Wireless Connectivity for Post 5G Era (IWD-1017), IIT Patna (Convener) Participants: 25.
5. Pramod Kumar Tiwari – Coordinator :-India's Techade: Chip for Biksit Bharat, IIT Patna (Coordinator) Participants: 200.

6. Somanath Pradhan - Event Organizer (convenor):- KARYASHALA: Applications of Signal Processing for the Development of Wearables for Disabled and Elderly, Department of Electrical Engineering, IIT Patna (Event Organizer (convenor)) Participants: 25.
7. Abhinoy Kumar Singh - Convener:-Industrial Trends of Control and Artificial Intelligence (07 days workshop), IIT Patna (Convener) Participants: 39.
8. Udit Satija - Event Co-Organizer:-A high-end workshop named Karyashala entitled "Machine Learning and Deep Learning Algorithms for Human Disease Diagnosis and Classification with Hands-on", Sponsored by SERB, Department of Electrical Engineering, IIT Patna (Event Co-Organizer.) Participants: 27.
9. Rajib Kumar Jha - PI:-KARYASHALA ON Machine Learning and Deep learning Algorithms for Human Disease Diagnosis and Classification with Hands on, IIT Patna (PI) Participants: 28.
10. Amit Kumar Singh - Organizer :-Highend Karyashala Workshop on Microwave Metamaterial for Antenna Applications, Patna India (Organizer) Participants: 45.
11. Amit Kumar Singh - Organising Committee Member:-2023 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Ahmedabad, India, Ahmedabad India (Organising Committee Member) Participants: 750.
12. Saurabh Kumar Pandey - Coordinator :-Recent Trends on Emerging nanoscale electronics devices, IIT Patna (Coordinator) Participants: 38.
13. Amit Kumar Singh - Organisr:-National Symposium of Research Scholars 2023, Patna (Organisor) Participants: 85.
14. Udit Satija - Event Organizer:-One month internship named Vritika entitled "Malicious Drone Identification System Based on Radio-Frequency (RF) fingerprints", Sponsored by SERB, Department of Electrical Engineering, IIT Patna (Event Organizer.) Participants: 5.
15. Saurabh Kumar Pandey - Coordinator:-Entrepreneurship Skill Development Program, IIT Patna (Coordinator) Participants: 27.
3. Preetam Kumar - To attend and present conference paper at IEEE GLOBECOM 2023 (Kuala Lumpur, Malaysia) 4 Days
4. Somanath Pradhan - To attend an international conference (Acoustics 2023) (Sydney, Australia) 7 Days
5. Sanjoy Kumar Parida - Conference (Wollongong, Australia) 6 Days
6. Pramod Kumar Tiwari - International Conference (Chiang Mai) 5 Days
7. Jawar Singh - Conference (Dubai, UAE) 5 Days
8. Ranjan Kumar Behera - International conference (Singapore) 7 Days
9. Udit Satija - For attending and presenting paper at INTERSPEECH 2023 (Dublin, Ireland) 6 Days
10. Saurabh Kumar Pandey - Attending Conference (Korea) 5 Days
11. Sudhir Kumar - To attend and present research paper at 22nd IEEE Statistical Signal Processing (SSP) Workshop 2023 (Hanoi, Vietnam) 4 Days
12. Udit Satija - For attending and presenting paper at 2023 The 18th edition of IEEE International Symposium on Medical Measurements and Applications (MeMeA) (Jeju, South Korea) 4 Days
13. Pramod Kumar Tiwari - Collaboration (NTHU Taiwan) 3 Days

Visit Abroad

1. Saurabh Kumar Pandey - Attending Conference (Singapore) 3 Days
2. Rajib Kumar Jha - Attending ICMLSC 2024 Conference (Singapore) 3 Days
1. Suraj Suman - Delivered a talk in Karyashala Workshop UAV Collision Avoidance, IIT Patna 20 March 2024 .
2. Sudhir Kumar - Invited Lecture in Emerging Technologies for Beyond 5G Communication Networks under the KARYASHALA Scheme funded by SERB at IIT Patna.
3. Sudhir Kumar - Invited Lecture in High-End Workshop on "Applications of Signal Processing for the Development of Wearables for Disabled and Elderly under the KARYASHALA Scheme funded by SERB, IIT Patna.
4. Sudhir Kumar - Invited speaker in the workshop on Artificial Intelligence (AI) for Smart Sensing and Internet of Everything (IoE) at Rajiv Gandhi Institute of Petroleum Technology, Jais.
5. Sudhir Kumar - Guest of Honour in inaugural session of 7th National Management Summit & Research Conference (NMSRC 2023) at International School of Management (ISM) Patna.

Other Academic Activities

6. Suraj Suman - Delivered a talk on "Intelligent Wireless Connectivity for Post 5G Era " in Noida Institute of Engineering and Technology, Greater Noida, 22/12/2023 .
7. Sudhir Kumar - Speaker in ACM India Winter School on Recent Trends in AI/ML for Industry 4.0 at IIT Patna.
8. Suraj Suman - Delivered a talk in the two-day workshop on "Recent Advances in Emitter Identification for UAV/Drone Applications" sponsored by SERB during Dec 10- 11, 2023 is being organized by the Department of Electrical Engineering, IIT Patna. .
9. Sudhir Kumar - Keynote Speaker and Guest of Honour at International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIIE-2023), Rao Bahadur Y. Mahabaleswarappa Engineering College (RYMEC), Ballari, Karnataka.
10. Sudhir Kumar - Expert Talk titled IoT Computing to Quantum Computing at G H Raisoni College of Engineering Nagpur.
11. Sudhir Kumar - Invited Talk at National Conference on Advances in Engineering, Science and Technology (NCAEST-2023) at Bhagalpur College of Engineering.
12. Suraj Suman - Delivered a talk on How to prepare yourself for research work", Government Engineering College, Arwal .
13. Bussa Vinod Kumar - A new course (Switched Mode Power Converters, 6 level) was Introduced. It was taught in Autumn Semester, 2023-24. In the course, five B.Tech students were registered, and three PhD students were registered. .
14. Sudhir Kumar - Presentation at 22nd IEEE Statistical Signal Processing (SSP) Workshop 2023, Hanoi, Vietnam.
15. Suraj Suman - Delivered a talk on "Connectivity in the Era of Distributed Intelligence Evolution and 6G " in IIIT Pune .
16. Sudhir Kumar - Inaugural session for Smart Bihar Hackathon held at Government Women's Polytechnic Patna.
17. Sudhir Kumar - Invited Talk in DST Sponsored Twelve-Day workshop on Entrepreneurship Skill Development Program at IIT Patna.
18. Suraj Suman - Teaching a course "Mathematical Foundations of Cloud Computing" in Executive MTech Program offered by IIT Patna and Teamlease.

Any Other Information

1. Sudhir Kumar - TPC member of MWN Symposium ICC 2024.
2. Sudhir Kumar - TPC member of IEEE WCNC 2024.
3. Sudhir Kumar - Observers for NEET (UG) Exam 2023.
4. Sudhir Kumar - Jury Member for Smart Bihar Hackathon held at Government Polytechnic Asthawan, Nalanda.
5. Sudhir Kumar - Chief Mentor for Smart Bihar Hackathon held at New Polytechnic Patna.

Humanities and Social Sciences

Head: Dr. Sweta Sinha



Dr. Aditya Raj

Associate Professor
Sociology of Education, Migration and Diaspora
Studies, Development Discourse, Qualitative
Research Design, Youth



Dr. Meghna Dutta

Assistant Professor
Applied Microeconomics, Panel Data and Cross-
Section Econometrics, International Trade,
Development Economics.



Prof. Nalin Bharti

Professor
Macroeconomic Reforms, Labour Economics, WTO and
India, International Economy



Dr. Papia Raj

Associate Professor
Health Care Management, Population and Public Health,
Gender and Development, Environmental Health,
Regional Development, Quantitative Methods



Dr. Priyanka Tripathi

Associate Professor
Gender Studies, Indian Writing in English, Short Fiction,
Censorship Studies



Dr. Richa Chaudhary

Associate Professor
Organizational Behavior, Human Resource Management,
Workplace ethics, corporate social responsibility,
Environmental sustainability.



Dr. Rajendra N. Paramanik

Assistant Professor
Macro-dynamic modeling, Time Series Analysis,
International Economics and Finance



Dr. Sweta Sinha

Associate Professor
Research areas- Sociolinguistics, Phonetics and
Phonology, Forensic Linguistics and Language Typology



Prof. Smriti Singh

Professor
English language, Exploratory Action research,
gamification and literature

Research Area

1. Richa Chaudhary, Unethical Pro-organizational Behaviors
2. Nalin Bharti, Macroeconomic Reforms, International Trade, Labour Economics, WTO and India
3. Rajendra Narayan Paramanik, Macroeconomics and Finance
4. Papia Raj, Health Care Management, Population and Public Health, Gender and Development, Environmental Health, Regional Development, Quantitative Methods
5. Richa Chaudhary, Workplace Loneliness
6. Richa Chaudhary, Entrepreneurial Ecosystems
7. Richa Chaudhary, Women entrepreneurship
8. Richa Chaudhary, Workplace Loneliness
9. Richa Chaudhary, Toxic Supervision
10. Richa Chaudhary, Workplace Ostracism
11. Priyanka Tripathi, Gender Studies and South Asian Fiction
12. Smriti Singh, English Language Teaching
13. Smriti Singh, Postcolonial Writing
14. Smriti Singh, Indian Writings in English
15. Smriti Singh, English Language and Literature
16. Dr Sweta Sinha, Cognitive Linguistics
17. Dr Sweta Sinha, General Linguistics
18. Dr Sweta Sinha, Sociolinguistics
19. Meghna Dutta, Economics

Professional Activities by Faculty Members

1. Richa Chaudhary - Delivered sessions on organization behavior and human resource management for executive MBA batches I,II and III (March 2024).
2. Nalin Bharti - Invited talk on How to Select and Finalize a Research Hypothesis/Research Question, Data Sources and Appropriate Methodology for Social Science Research in Four Days Workshop on Qualitative and Quantitative Methods, Mahatma Gandhi Central University, Motihari, Bihar 17/03/2024 to 20/03/2024.
3. Nalin Bharti - Invited talk on Writing a Research Paper for the Economic and Social Science Journal in Four Days Workshop on Qualitative and Quantitative Methods, Mahatma Gandhi Central University, Motihari, Bihar 17/03/2024 to 20/03/2024.
4. Richa Chaudhary - In the DC committee of Kunal Srivastava, PhD Student, NIT Patna.
5. Richa Chaudhary - In the DC committee of JP Sharma, PhD student, NIT Patna.
6. Nalin Bharti - Invited talk on Ethics in Social Science Research, in Ten Days Research Methodology Course for M.Phil/Ph.D/PDF Scholars in Social Sciences, A N Sinha Institute of Social Studies, Patna 11/03/2024 to 21/03/2024.
7. Nalin Bharti - Invited talk on Writing a Research Paper for a peer- Refereed Journal in, in Ten Days Research Methodology Course for M.Phil/Ph.D/PDF Scholars in Social Sciences, A N Sinha Institute of Social Studies, Patna 11/03/2024 to 21/03/2024.
8. Nalin Bharti - Member selection committee for the faculty member at Institute for Social and Economic Change, Bangalore.
9. Dr Sweta Sinha - Delivered one hour talk on Linguistic landscape and language identity in a multilingual context in two- day international seminar on Language, Culture and Society: Literary and Socio-linguistic Perspective organized by HMM College for Women, Kolkata from.
10. Smriti Singh - Talk on Innovative Pedagogies during FDP at IIT Roorkee.
11. Dr Sweta Sinha - Delivered one hour talk on Emotional Intelligence and Mindfulness in Academics in five- day FDP organized by IIT Roorkee on Life Skills- Soft Skills & Sustainability Footprints (online).
12. Nalin Bharti - Member Selection Committee of National Social Science Documentation Centre (NASSDOC), New Delhi.
13. Nalin Bharti - Discussion on the Interim Union Budget 2024-25 in Rural Realities and Interim Union Budget 2024-25 (Webinar) Center for Habitat, Urban and Regional Studies (CHURS), Impact and Policy Research Institute (IMPRI), New Delhi.
14. Aditya Raj - Bihar State University Service Commission.
15. Nalin Bharti - BOS Meeting, Amity University, Patna.
16. Richa Chaudhary - Taken expert sessions on cognitive biases in decision making during campus immersion of executive MBA batches.
17. Aditya Raj - National testing Agency (UGC) Sociology.
18. Papiya Raj - Resource person for workshop on "Gender Sensitization" conducted by Frontier Hqrs, SSB Patna.
19. Dr Sweta Sinha - Delivered 1 hr talk on Decoding Negotiation Skills at Workplace as part of one week FDP on Entrepreneurship Skill Development organized by Department of EEE, IIT Patna from November, 2023.
20. Nalin Bharti - Invited talk on Importance of Trademark and its protection for Techno-Business Innovation Entrepreneurship and Skill Development Program, Indian Institute of Technology, Patna.
21. Richa Chaudhary - Delivered a session on Cognitive Biases in Entrepreneurial Decision Making in an FDP on Entrepreneurial Skill Development (27th Nov 2023) organized by Department of Electrical Engineering, IIT Patna.
22. Nalin Bharti - Invited talk on Navigating Copyright Challenges: A Guide for Ethical and Legal Research Writing. in Synergizing Pedagogical & Analytical Excellence through Methodology Refinement, Jaipuria Institute of Management, Noida.
23. Nalin Bharti - Invited talk on Writing a research paper for peer-reviewed Journal in Synergizing Pedagogical & Analytical Excellence through Methodology Refinement, Jaipuria Institute of Management, Noida.

24. Nalin Bharti - Member Project proposal evaluation committee, ICSSR, New Delhi .
25. Nalin Bharti - Member selection committee for the faculty member at Madras Institute of Development Studies, Chennai.
26. Priyanka Tripathi - Member of the Editorial Board for Diversity & Inclusion Research (Wiley Online Library).
27. Dr Sweta Sinha - Delivered plenary in the two-day national conference on (Re) searching the Indian Culture, Languages and Literature: A methodology of Ones Own from 5-6 October, 2023, jointly organized by NSOU and Kalyani University, West Bengal..
28. Smriti Singh - Adjudicated thesis from Ranchi University.
29. Papia Raj - NTA for UGC NET.
30. Meghna Dutta - American Journal of Environmental and Resource Economics- Member of Editorial Board.
31. Nalin Bharti - Invited talk on Writing a Research Paper : Digital Text and Context, Ten Days Research Methodology Course, National Institute of Technology, Patna, 22/08/2023 to 31/08/2023.
32. Dr Sweta Sinha - Delivered 1 hr talk on Forensic Linguistics: Scopes and Challenges in 'Orientation programme on Research in Linguistics' organized by the School of Language Sciences, EFLU, scheduled from 21st August to 29th August, 2023..
33. Priyanka Tripathi - Member of the Editorial Board for Humanities & Social Sciences Communications .
34. Dr Sweta Sinha - Delivered 1 hr talk on Forensics Linguistics and Offender Communication in International Online Workshop on Criminal profiling organized by IIJPS and SASCV from July 29- 30, 2023..
35. Richa Chaudhary - Delivered a session on Data Analysis using SPSS at NIT Patna in an FDP on 12th July, 2023. .
36. Nalin Bharti - BOS Meeting, Amity University, Patna..
37. Nalin Bharti - Invited talk on Copyright Issues in Academic Writing, Academic Research Writing & Publishing, National Institute of Technology, Patna, 17/07/2023 to 21/07/2023.
38. Nalin Bharti - Invited talk on Copyright Issues in Academic Writing: Challenges, Precautions and Protection, in the five days Short Term Course on Academic Research Writing & Publishing jointly organised by Department of Humanities and Social Sciences & Central Library, National Institute of Technology Patna during 18th July 2023.
39. Nalin Bharti - BOS Meeting, Rishihood University, SoniPat, 18th July 2023..
40. Nalin Bharti - DRC meeting at NIT Patna on 17th July, 2023..
41. Nalin Bharti - Invited talk on New Education Policy and Research Through Digital Resources in the FDP (RMSSEM 22023) organised by NIT Patna .
42. Aditya Raj - BPSSC.
43. Nalin Bharti - Invited talk on ALIGNMENT OF STATE INDICATOR FRAMEWORK WITH NATIONAL INDICATOR FRAMEWORK FOR MONITORING SUSTAINABLE DEVELOPMENT, (jointly with Bakshi Amit Kumar Sinha) in a one day seminar organized by Ministry of Statistics and Programme Implementation, Government of India as Indian Statistical Day on 29th June 2023..
44. Smriti Singh - PhD viva-voce at Delhi University.
45. Dr Sweta Sinha - Delivered 1 hr talk on Nuances of Academic Writing as part of 3 day FDP organized by HSS, IIT Kharagpur from 3-5 June, 2023 entitled Academic Writing and Publishing..
46. Smriti Singh - PhD viva voce at IIT Roorkee.
47. Nalin Bharti - Invited talk on Entrepreneurship and IPR: Scope of IPR through Cross country Illustration, FDP on Entrepreneurship Skill Development workshop, organized at IIT Patna.
48. Nalin Bharti - DRC meeting at NIT Patna on 16th May, 2023.
49. Nalin Bharti - Invited talk on Entrepreneurship and IPR : The Way Ahead in Entrepreneurship and Skill Development Program 10/05/2023 to 21/05/2023 Indian, Institute of Technology, Patna.
50. Dr Sweta Sinha - Delivered 1 hr talk on Decoding Negotiation Skills at Workplace as part of one week FDP on Entrepreneurship Skill Development organized by Department of EEE, IIT Patna from May 10- May 22, 2023..

51. Dr Sweta Sinha - Delivered 1 hr talk on Forensic and Media Linguistics as part of career Counselling Programme on April 6, 2023 at the Central University of South Bihar, Department of English..
52. Nalin Bharti - Invited talk on NEP and Digital Education in India, online lecture at UGC-HRDC, University of Allahabad.

Seminar, Conference and Workshop Organised

1. Nalin Bharti - conducting the workshop along with an out side expert :-A One Day Workshop on Patent Filing, IIT Patna (conducting the workshop along with an out side expert) Participants: 167.
2. Priyanka Tripathi - Convenor:-Navigating Sustainable Futures: Literary Reflections on Precarious Lives and the Anthropocene, IIT Patna (Convenor) Participants: 100.
3. Meghna Dutta - Organizer:-Effectiveness of govt schemes with a focus on Sukanya Samridhi Yojana, IIT Patna (Organizer) Participants: 25.
4. Richa Chaudhary - Organizer:-WORKSHOP ON EFFECTIVENESS OF GOVERNMENT SCHEMES: A FOCUS ON SUKANYA SAMRIDHHI YOJANA, Incubation Center, IIT Patna (Organizer) Participants: 30.
5. Rajendra Narayan Paramanik - Organizer:-Ayushman Bharat scheme in Bihar) ICSSR funded, IIT Patna (Organizer) Participants: 30.
6. Richa Chaudhary - Organizer and resource person:- Role of Information and Communication Technologies (ICTs) in Empowering Women Entrepreneurs in micro, small and medium enterprises (MSMEs) sector in Bihar, Bihar Industries Association, Patna (Organizer and resource person) Participants: 25.
7. Dr Sweta Sinha - Course coordinator:-Three- day CEP course on Research Writing and Presentation Skills, Online (Course coordinator) Participants: 33.
8. Smriti Singh - co-organizer:-Research Writing and Presentation Skills, online (co-organizer) Participants: 33.
9. Papia Raj - Coordinator:-3)Working, efficiency, and effectiveness of women police personnel in Bihar, IIT Patna (Coordinator) Participants: 230.

Visit Abroad

1. Smriti Singh - Conference (Copenhagen) 4 Days

Other Academic Activities

1. Papia Raj - Presented paper (online) at 10th International Conference on New Findings in Humanities and Social Science.
2. Dr Sweta Sinha - External Examiner for PhD thesis submitted at JNU, New Delhi (2024).
3. Smriti Singh - DSC meeting at NIT Patna for pre-submission.
4. Dr Sweta Sinha - External Examiner for PhD thesis submitted at IIT Kanpur .
5. Smriti Singh - DSC member at IIIT Naya Raipur.
6. Nalin Bharti - Repeat of the course Infrastructure Economics, on NPTEL, Ministry of Education, Government of India. .
7. Dr Sweta Sinha - External Examiner for PhD thesis submitted at University of York, UK .
8. Smriti Singh - DSC member at IIT Roorkee.
9. Nalin Bharti - Re-Run of the course Economics of IPR, on NPTEL, Ministry of Education, Government of India. .
10. Smriti Singh - DSC meeting at NIT Patna.

Any Other Information

1. Richa Chaudhary - Khan, A. and Chaudhary, R. (corresponding author). They see as they are! Dynamics of personality, perceptions of organizational politics and behavior through the lens of Protection-Motivation Theory. Journal of Business Research (Submitted, Elsevier, ABDC-A, IF= 10.969).
2. Richa Chaudhary - Khan, A. and Chaudhary, R. (Dish the dirt, did you? A personality-perception model of workplace gossip. Applied Psychology: An International Review (Under R &R, ABDC-A, APA, IF=7.2).
3. Dr Sweta Sinha - DC member for the research scholar at IIIT Vadodara.
4. Meghna Dutta - Entry of the paper "Negotiating Autonomy: The Linkages between Intimate Partner

Violence, Womens Paid Work Status and Birth Outcomes" in Encyclopaedia under the category Economic Theories of Household Bargaining [<https://encyclopedia.pub/entry/54337>]. .

5. Richa Chaudhary - Iqbal, R., Shahzad, K., & Chaudhary, R. (2023). When Despotic Leadership is More Detrimental for Employee Job Outcomes? Role of Individual-Level Power Distance Orientation. *Journal of Organizational Effectiveness: People and Performance* (Under R&R, ABDC B, Emerald, H5 index: 24, IF=4.2, under R&R)..
6. Richa Chaudhary - Chaudhary, R., Singh, A., and Srivastava, S. (2023). Understanding the Differential Consequences of Unethical Pro-organizational Behavior: The Role of Personality and Cultural Orientation. *Journal of Business Ethics* (FT 50, ABDC-A, Submitted).
7. Richa Chaudhary - Firoz, M. and Chaudhary, R.. Home alone yet creative chaos! A mediated moderation model of work meaningfulness, workplace loneliness, creativity, and perceived organizational support. *Applied Psychology: An International Review* (Under R &R, ABDC-A, APA, IF=7.2).
8. Richa Chaudhary - Chaudhary, R., Srivastava, S. and Singh, L.B. (2023). Does workplace ostracism lead to knowledge hiding? Modeling Workplace withdrawal as a mediator and authentic leadership as a moderator. *International Journal of Human Resource Management* (Under R&R, Taylor & Francis, ABDC-A, IF= 6.2). Chaudhary, R., Singh, A., and Srivastava, S. (2023). Understanding the Differential Consequences of Unethical Pro-organizational Behavior: The Role of Personality and Cultural Orientation. *Journal of Business Ethics* (FT 50, ABDC-A, Submitted).

Mathematics

Head: Dr. Yogesh Mani Tripathi



Dr. Amit Kumar Verma

Associate Professor
Monotone Iterative Techniques in Abstract Spaces,
Upper and Lower Solution Techniques, Nonlinear
Singular Boundary Value Problems, Multi Point Boundary
Value Problems, Wavelet Transforms, Theoretical
Numerical Analysis



Dr. Balendu Bhooshan Upadhyay

Associate Professor
Nonlinear Optimization, Variational Inequality
Semi-infinite Programming, Fixed Point Theory,
Differential Manifolds



Dr. K. Saloni

Assistant Professor
Commutative Algebra



Dr. Nutan Kumar Tomar

Associate Professor
Mathematical Control Theory, Nonlinear Functional
Analysis, Optimal Control



Prof. Om Prakash

Professor
Rings and Modules (Skew Polynomial Rings, Associated
Prime Rings), Algebraic Coding Theory, Algebraic Graph
Theory, Algebraic Number Theory



Dr. Prashant Kumar Srivastava

Associate Professor
Mathematical Modeling in Ecology and Epidemiology,
Applications of Differential Equations in Biology,
Stability and Bifurcation, Mathematical Modeling of HIV
dynamics: in vivo



Dr. Pratibhamoy Das

Assistant Professor
Numerical Analysis, Moving Mesh Methods, Singular Perturbation, A posteriori Error Estimates, r -refinement Strategy Ordinary and Partial Differential Equations, System of differential Equations, Integral Equations, Fractional Order Equations, Nonlinear Problems



Dr. Rahul Kumar Singh

Assistant Professor
Differential Geometry



Dr. Shailesh Kumar Tiwari

Assistant Professor
Associative Rings and Algebras



Dr. Subhabrata Paul

Assistant Professor
Algorithmic Graph Theory



Dr. Yogesh Mani Tripathi

Associate Professor
Statistical Decision Theory, Statistical Inference



Dr. Kuldip Singh Patel

Assistant Professor
Mathematical Finance, Numerical Methods, Machine Learning in Option Pricing



Dr. Sushmitha P

Assistant Professor
Matrix Theory, Generalized Inverses, Linear
Complementarity Problems

Research Area

1. Amit Kumar Verma, Monotone Iterative Technique
2. Amit Kumar Verma, Integral Transform
3. Amit Kumar Verma, Non Standard Finite Difference Methods
4. Shailesh Kumar Tiwari, Finite field
5. Shailesh Kumar Tiwari, Polynomial identities on prime and semiprime rings
6. Shailesh Kumar Tiwari, Primitive elements over finite field
7. Amit Kumar Verma, Fractional Singular Boundary Value Problem
8. Amit Kumar Verma, Wavelets
9. Prashant Kumar Srivastava, Mathematical modeling in Epidemiology, Ecology, Public health, Management and Communication. Application of Differential Equations. Nonlinear Dynamics and Optimal Control.
10. Sushmitha P, Matrix Theory
11. Subhabrata Paul, Algorithmic graph theory, Sequence design
12. Yogesh Mani Tripathi, Statistical Decision Theory, Statistical Inference
13. Dr Om Prakash, Rings & Modules, Near Rings, Algebraic Coding Theory, Algebraic Graph Theory, Algebraic Number Theory
14. Rahul Kumar Singh, Differential Geometry

Professional Activities by Faculty Members

1. Dr Om Prakash - Invited Talk delivered on Hermitian hull of constacyclic codes over a non-chain ring in the International Conference on Advances in Mathematical Sciences-2024 (ICAMS-2024), organized by Department of Mathematics, Mahatma Gandhi Central University, Motihari, Bihar, India, during March 19-20, 2024.
2. Dr Om Prakash - Invited Talk delivered on Study of (\cdot, \cdot) -cyclic codes over the finite ring and its extension in the 5th International Conference on Latest Advances, Contributions & Applications in Nonlinear Analysis (ICLACANA-2024) at Gayatri Vidya Parishad College of Engineering, Visakhapatnam, during March 13-16, 2024.
3. Amit Kumar Verma - Delivered an invited talk, titled Monotone Iterative Technique and solutions of a class of nonlinear singular boundary value problems during 25th Annual Conference of Vijnana Parishad of India (1-2 March 2024), held at Geetanjali Girls College Bhopal..
4. Amit Kumar Verma - Delivered two guest lectures (On Fourier Transform and Polar Curves) at VIT Bhopal University for BTech students on 1st March 2024..
5. Amit Kumar Verma - Delivered an invited talk on 21st January 2024, titled On certain aspects of a class of nonlinear singular BVPs at Jamia Millia Islamia New Delhi during ICAA 2024 (19 January 2024 - 20th January 2024)..
6. Amit Kumar Verma - Deliver an invited talk on The man who knew infinity on National Mathematics Day 2023 by Department of Mathematics, JUET, Guna on

- 6 January 2024. The event was also supported and catalyzed by MPCST, Bhopal; DST, NCSTC, New Delhi..
7. Dr Om Prakash - Invited Talk delivered on A structural study of Galois LCD Codes over finite fields in the National Conference on Emerging Trends of Mathematics in Engineering and Applied Sciences (ETMEAS-2023) at SV University, Tirupati in collaboration with Andhra Pradesh and Telangana Society for Mathematical Sciences during Dec. 22-23, 2023.
 8. Dr Om Prakash - Invited Talk delivered on Some Applications of Abstract Algebra on the occasion of 136th Birth Anniversary of Srinivasa Ramanujan at S PM Visvavidyalayam, Tirupati on Dec. 22, 2023.
 9. Dr Om Prakash - Invited Talk delivered on A Remark on Ramanujans work in Number Theory on the occasion of 136th Birth Anniversary of Srinivasa Ramanujan at SV Engineering College, Tirupati on Dec. 22, 2023.
 10. Amit Kumar Verma - Delivered a lecture as chief guest at national conference RISE 2023 at GEC Siwan on the occasion of the birth anniversary of Ramanujan celebrated on 22nd and 23rd December 2023..
 11. Dr Om Prakash - Invited Talk delivered on Skew polycyclic codes and their application to EAQECs in the International Conference on Discrete Mathematics and Combinatorics (ICDMC- 2023) at the Department of Mathematics, Manipal Institute of Technology, Bengaluru, Karnataka during Dec. 20-22, 2023.
 12. Amit Kumar Verma - Deliver an invited talk Distribution of heat sources in the human head Monotone Iterative Technique at the one-week online Faculty Development Programme entitled Challenges and Recent Trends in Mathematical Modelling and Scientific Computing organized during December 18-22, 2023 by the Department of Mathematics, HBTU, Kanpur. .
 13. Dr Om Prakash - Invited Talk delivered on Study of (,)-cyclic codes over mixed alphabets in the First Joint IIIMT- Algebra Forum International Conference 2023 (Online) jointly organized by the Department of Mathematics, AMU, India and Antalya, Turkey during Dec. 16-17, 2023.
 14. Kuldip Singh Patel - Delivered an invited talk titled: Solving fractional differential equations using multi-fidelity noisy data through machine learning, IIIT Kurnool.
 15. Amit Kumar Verma - Delivered a guest lecture at Dr Chiranjil Lal Rashtriya Inter College Kanpur, on 14th December 2023, on Ancient and Vedic Mathematics. .
 16. Amit Kumar Verma - Delivered an invited talk at 70th Annual Conference an International Meet Recent Advances in Mathematics and Applications (NCRAMA) organized by Bharat Ganit Parishad, Department of Mathematics and Astronomy, during December 02-03, 2023 at Lucknow University..
 17. Prashant Kumar Srivastava - External member, Department Advisory Board, Kumaraguru College of Technology, Coimbatore.
 18. Dr Om Prakash - Invited Talk delivered on Additivity of some multiplicative derivatives in the International Conference on Exploring Excellence in Mathematical Sciences (ICAAA-2023) at Nalanda Open University, Nalanda in collaboration with Bihar Mathematical Society during Nov. 04-06, 2023.
 19. Amit Kumar Verma - Delivered an invited talk at BBDNIIT Lucknow on 27 October 2023 on Polar Curves and Polar Plots. .
 20. Dr Om Prakash - Invited Talk delivered on the Vedic approach of congruences and Wilsons theorem in the Conference on Maths in Indian Knowledge Tradition at the Department of Mathematics, Central University of South Bihar, Gaya on Oct. 14, 2023.
 21. Amit Kumar Verma - Delivered a lecture on Teaching-Learning and national education policy, at Central University of South Bihar, Gaya, on 13th October 2023..
 22. Amit Kumar Verma - Delivered a lecture on Teaching Learning and National Education Policy 2020, at FDP conducted by Central University of South Bihar and Shiksha Sanskriti Utthan Nyas (Bihar -Jharkhand) on 13th October 2023. .
 23. Dr Om Prakash - Invited Talk delivered on Codes over Rings in the National Workshop on Algebraic Codes and MAGMA Computations (ACMC- 2023) at the Department of Mathematics, IIT Patna, Bihta, during Nov. 10-11, 2023.
 24. Kuldip Singh Patel - Delivered an invited talk titled: Difference equation approach for matrix method stability of compact schemes to solve convection-diffusion equations, ICAM, Thapar Institute of Technology Patiala, India.

25. Amit Kumar Verma - Delivered a talk titled Haar Wavelet Collocation and Numerical Solution of Nonlinear Singular BVPs as part of Drakhlin's Seminar on Functional Differential Equations, September 27th, 2023 organized by Ariel University..
26. Kuldip Singh Patel - Chaired a Session in ICIAM-2023, Waseda University, Tokyo, Japan..
27. Amit Kumar Verma - Delivered a talk on Government Engineering College Aurangabad Bihar, on 24th August 2023. .
28. Dr Om Prakash - Invited Talk delivered on Skew polycyclic codes: Theory and Applications at the Department of Mathematics, Manipur University, Imphal on August 21, 2023.
29. Dr Om Prakash - Invited Talk delivered on Generalization of Cyclic codes at the Department of Mathematics, NIT Manipur, Imphal on August 21, 2023.
30. Dr Om Prakash - Invited talk delivered on Role of Mathematics in Digital World at DPS Patna on July 22, 2023.
31. Kuldip Singh Patel - Received Travel support by CSIR to attend ICIAM-2023, 20-25 August, 2023, Waseda University, Tokyo, Japan (Did not avail)..
32. Amit Kumar Verma - Delivered lectures on Mensuration for classes VI to XII during ISMS 2023 at IIT Patna from 16th June 2023 to 15th July 2023. .
33. Kuldip Singh Patel - Received Travel support by DST-SERB to attend ICIAM-2023, 20-25 August, 2023, Waseda University, Tokyo, Japan..
34. Dr Om Prakash - Invited Talk delivered on Cyclic codes and their generalizations in the National Instructional Workshop on Cryptology: Codes-based Cryptography (NIWC- 2023) at the Department of Mathematical Sciences, IIT (BHU), Varanasi during July 5-7, 2023.
35. Dr Om Prakash - A resource person in the training program ISMS- 2023 for the school students of Bihar, delivered a series of lectures on Complex Numbers and Theory of Equations, organized by the Department of Mathematics, IIT Patna in association with Bihar Mathematical Society (BMS) and Bihar Education Project Council (BEP), Govt. of Bihar during June 15-30, 2023.
36. Dr Om Prakash - Invited talk delivered on Development of Abstract Mathematical Reasoning Via Computations at SCERT Patna in the Mathematics Lecturers Training Program on June 6, 2023.
37. Amit Kumar Verma - Delivered 6 Lectures on Chapter 2 POSITIVE BOREL MEASURES of Real and Complex Analysis by Walter Rudin for Annual Foundation School II (2023) at IIT Patna 22/05/2023 to 17/06/2023 <https://www.atmschools.org/school/2023/AFS-II/afs-iit-patna..>
38. Amit Kumar Verma - Delivered an invited talk for IOCMA (International Online Conference on Mathematics and Applications) Live Session 3 Difference and Differential Equations on Friday, 5 May 2023 at 3:30 pm CEST (Chaired by Prof. Alberto Cabada, Speakers: Ferhan Merdivenci Atici, Gennaro Infante, Jifeng Chu, Amit Kumar Verma). <https://iocma2023.sciforum.net/>.

Seminar, Conference and Workshop Organised

1. Dr Om Prakash - Member of the organizing committee :-One-day Symposium on International Women in Mathematics Day, Department of Mathematics, IIT Patna, Bihta (Member of the organizing committee) Participants: 80.
2. Dr Om Prakash - Coordinator, organized the online workshop on Under SSR of CRG (SERB) Project, DST, Govt. of India from Nov. 10-11, 2023:-Algebraic Codes and MAGMA Computations (ACMC- 2023), Department of Mathematics, IIT Patna, Bihta (Coordinator, organized the online workshop on Under SSR of CRG (SERB) Project, DST, Govt. of India from Nov. 10-11, 2023.) Participants: 102.
3. Dr Om Prakash - Member of the organizing committee and Academic Secretary (in collaboration with Bihar Mathematical Society) during Nov. 04-06, 2023. :- International Conference on Exploring Excellence in Mathematical Sciences (ICAAA-2023), Nalanda Open University, Nalanda (Member of the organizing committee and Academic Secretary (in collaboration with Bihar Mathematical Society) during Nov. 04-06, 2023.) Participants: 250.
4. Prashant Kumar Srivastava - Co-organizer of symposium:-Recent Advances in Mathematical Models of Ecology and Epidemiology, 8th CIJK

Conference on Mathematical and Theoretical Biology (Co-organizer of symposium) Participants: 3.

5. Kuldip Singh Patel - Co-Convener:-Instructional School for Mathematical Sciences (ISMS-2023), One month program supported by Bihar State Government, IIT Patna (Co-Convener) Participants: 1400.
6. Shailesh Kumar Tiwari - Organizer:-AFS-II, IIT Patna (Organizer) Participants: 30.
7. Prashant Kumar Srivastava - Convener:-National Conference on Differential Equations (Theory, Method and Applications), IIT Patna (Convener) Participants: 70.

Visit Abroad

1. Rahul Kumar Singh - Attending a conference (Goethe University) 5 Days
2. Kuldip Singh Patel - To deliver a contributed talk in ICIAM 2023 (Tokyo, Japan) 5 Days
3. Prashant Kumar Srivastava - Conference symposium and talk (8th CIJK on Mathematical and Theoretical Biology, Jeju Island, Republic of Korea) 5 Days

Other Academic Activities

1. Prashant Kumar Srivastava - Delivered invited talks in various events in India and abroad.
2. Dr Om Prakash - Member of the Subject Expert committee in UPSC, AICTE, UPPSC, BPSC, JPSC, RPSC and some of universities for different selections 2023-2024.
3. Dr Om Prakash - Reviewer of the manuscripts of more than 21 SCI journals in 2023-24.
4. Dr Om Prakash - Chief Guest and Jury member in the Science Exhibition and Project Competition- 2024, Evaluation Committee at Himalayan International School, Maner, on Feb. 28, 2024.

Any Other Information

1. Dr Om Prakash - Evaluated 09 Ph. D. Theses and conducted 3 Viva-Voce as an external expert in 2023-2024..
2. Yogesh Mani Tripathi - Member of badminton team (runner up, 2024 session) Post Graduate Sports Fest .

Mechanical Engineering

Head: Dr. Anirban Bhattacharya



Dr. Akhilendra Singh

Associate Professor
FEM, XFEM, Meshfree Method, Computational Mechanics, Fracture & Fatigue, Thermal Engineering.



Dr. Atul Thakur

Associate Professor
Bio-inspired Robotics, Physics aware planning of Robotics system and application of Robotics techniques for Micro- manipulation of Biological cell



Dr. Anirban Bhattacharya

Assistant Professor
Incremental Sheet metal Forming, Rapid prototyping. Conventional Machining, Grinding, Non-Conventional machining Welding, Modeling and simulation of manufacturing process



Dr. Abhishek Raj

Assistant Professor
Microfluidics, Bio mechanics, BioMEMS



Dr. Ashwani Assam

Assistant Professor
Computational Fluid Dynamics (CFD), Compressible Fluid Flow, Turbulence Modeling, Rarefield gas flow, Numerical Methods for flow and heat transfer.



Dr. Anirban Mahto

Assistant Professor
Manufacturing Processes, Material processing, Tribology



Dr. Chiranjit Sarkar

Associate Professor
Magnetorheological (MR) Fluids and devices, Tribology,
CFD of Grease flow, Design of Bio Medical Devices,
Economic in Design



Dr. Deepu.P

Assistant Professor
Hydrodynamics Stability, Bio- Physical Aerodynamics,
Multi phase Flow



Prof. Karali Patra

Professor
Micro Machining techniques, Micro grinding Smart
Sensor and actuators, Energy Harvesting.



Dr. Mohd. Kaleem Khan

Associate Professor
Nuclear Reactor Safety, Solar Thermal Collectors, Flow
boiling in Microchannels, Pool boiling heat transfer
enhancement using, Non-Newtonian Fluid Mechanics,
Thermohydraulics of Chaotic coils



Prof. Manabendra Pathak

Professor
Computational Fluid dynamics and heat Transfer,
Turbulence Modeling, Two Phase flow in Micro and Mini
Channels, Dispersion of Particles, Droplets & Bubbles
at Micro & Nano Scales, Rheological & Heat Transfer
Characteristics of viscoplastic fluids, Nuclear Materials,
Solar Thermal Technology



Prof. Mayank Tiwari

Professor
Machine Dynamics- Rotor Dynamics, Acoustics,
Tribology-Rolling Sliding, Fretting and Vacuum Tribology



Dr. Murshid Imam

Assistant Professor
Additive manufacturing, Plastic Deformation,
Superplasticity, Friction Stir processing / Welding, Micro
structural characterization of Deformed Metals, Finite
Element Modeling of Welding machine



Dr. Probir Saha

Associate Professor
Conventional and Non-Conventional Machining,
Welding, Soft Computing in manufacturing process



Dr. Rishi Raj

Associate Professor
Boiling Heat Transfer for Thermal Management
Application, Colloids and Interfacial Science, Energy
Water Food Nexus.



Dr. Somnath Sarangi

Associate Professor
Continuum Mechanics



Dr. Subrata Kumar

Associate professor
Heat transfer, Laser Material Processing, Flow of
Granular material, CFD



Dr. Sudhanshu Sekhar Panda

Associate Professor
Tool Condition Monitoring, Soft Computing, Metal
cutting and machining, Industrial application of
soft computing, Technique in machining, Designing
Experiments, Statistical Modeling, Bio Machining,
Sensor Calibration



Dr. Surajit Kumar Paul

Associate professor
Computational Plasticity, Fatigue and Fracture, Sheet metal Forming, Crashworthiness, Finite Element Analysis, Molecular Dynamics



Dr. Chetankumar Patel

Assistant Professeor
Internal combustion engine, alternative fuels, spray and combustion investigation in optically accessible chamber and engine



Dr. Sunil Kumar Singh

Assistant Professor
Finite Element Method, Extended Finite Element Method (XFEM), Isogeometric Analysis (IGA), Extended Isogeometric Analysis (XIGA), Localizing Gradient Damage, Fracture Mechanics, Computational Mechanics, Plates and Shells, Multi-Physics Modeling, Elastoplasticity



Dr. Ajay Kumar Yadav

Associate Professor
Heat Transfer, Bio-heat transfer, CFD, IC Engine, Solar Energy
Refrigeration & Air Conditioning, Cryogenics

Research Area

- Chiranjit Sarkar, Magnetorheological Fluid, Brake, Magnetorheometer, Magnetorheological Grease Flow
- Sunil Kumar Singh, Fracture Mechanics
- Sunil Kumar Singh, Localizing Gradient Damage
- Atul Thakur, Robotics, Artificial Intelligence and Machine Learning for robot motion planning
- Anirban Bhattacharya, Process-microstructure-mechanical property correlation
- Anirban Bhattacharya, Dissimilar welding
- Anirban Bhattacharya, Incremental Sheet Metal Forming
- Anirban Bhattacharya, Wire arc additive manufacturing
- Anirban Bhattacharya, Failure analysis
- Anirban Bhattacharya, Finite element analysis
- Chiranjit Sarkar, Active Hydro-Pneumatic Suspensions
- Chiranjit Sarkar, Tribology
- Sunil Kumar Singh, Extended Isogeometric Analysis (XIGA)
- Probir Saha, Micro-EDM, Micro-FSW, Micro-EDG, Powder Bed Friction Stir Additive Manufacturing (PBFS), Analysis of Perforated micro pin-fin heat sink
- Mayank Tiwari, Vibrations

16. Mayank Tiwari, Rotordynamics
17. Mayank Tiwari, Tribology
18. Deepu P, fluid-structure interaction; hydrodynamic instability; heat transfer enhancement; nonlinear dynamics; aerodynamics
19. Anirban Mahato, In situ analysis, high speed imaging, Manufacturing processes, Materials Processing, Tribology, WAAM
20. Subrata Kumar, Laser Mateial Processing
21. Subrata Kumar, Heat Transfer
22. Subrata Kumar, Pulsating Heat Pipe
23. Karali Patra, Micromachining, medical instrumentation and smart materials
24. Ajay Kumar Yadav, Heat transfer, Solar thermal collectors, CFD, IC Engines, Bio-heat transfer, Refrigeration and air conditioning
25. Mohd Kaleem Khan, Single-phase and two-phase flows through microchannels
26. Mohd Kaleem Khan, Blood flow through stenosed arteries
27. Mohd Kaleem Khan, Thermal management of EV batteries
28. Mohd Kaleem Khan, Compact heat exchanger design using chaotic coils
29. Mohd Kaleem Khan, Nuclear fuel cladding rupture and corrosion
30. Mohd Kaleem Khan, Electronic cooling using thermoelectric effect and electrowetting phenomenon
31. Mohd Kaleem Khan, Solar-thermal technology
32. Sudhansu Sekhar Panda, Signal analysis, Tool condition monitoring, Soft Computing, Metal Cutting and Machining, DOE, Non conventional machining, Applications of Soft Computing for Modeling and Optimization of Manufacturing Processes and Systems, Evolutionary algorithm, Micro Machining, Bio-Material, pursue Research & Development in Biomedical application (root canal treatment, orthopedic surgical treatment), micro manufacturing (micro EDM, Reverse micro EDM, Micro Machining, Micro friction stir welding), Laser shock peening and machining, Welding of dissimilar material, Friction stir processing, Koining of polymer through deformation, wire arc additive manufacturing
33. Chetankumar Pratapbhai Patel, Internal combustion Engines
34. Chetankumar Pratapbhai Patel, Alternative fuels (liquid and Gaseous)
35. Akhilendra Singh, Fatigue and Fracture Mechanics, FEM/XFEM/Meshfree/Phase Field/CZM
36. Abhishek Raj, Microfluidics, Biomechanics, Machine Learning for Fluid Mechanics
37. Manabendra Pathak, Two-phase flow: flow boiling & pool boiling, Computational fluid dynamics, Solar thermal technology, Nuclear materials
38. Ashwani Assam, Numerical Study of Non-Equilibrium Multi-Species Hypersonic Flows
39. Ashwani Assam, Investigating the Effect of Porous Media on Fluid Flow and Heat Transfer in Microchannels and Macro-Cavities
40. Ashwani Assam, Heat transfer characteristics of flexible hot plate placed inside a cavity with different boundary conditions
41. Ashwani Assam, Advancing Hypersonic Flow Computations
42. Ashwani Assam, Heat Transfer Analysis in microchannels with Heat-Spots with applications to bio-fluid dynamics.
43. Ashwani Assam, Drag analysis of payload cover shapes for delivery drones
44. Ashwani Assam, Heat Transfer Analysis in Pulsating Laminar Flow with Static and dynamic Heat-Spots: Insights for Biological Applications
45. Sunil Kumar Singh, Bio-Inspired Structures
46. Sunil Kumar Singh, Multi-Physics Modeling

Patents (filed/Granted)

1. Patent Name: Hybrid solar tracking system for a solar collector and method thereof, Status: Granted, Ref. No: Patent Number:521830, Patent Owner: Manabendra Pathak

2. Patent Name: An Apparatus and Method for Off-The-Grid Climate Control, Status: Granted, Ref. No: 202231026031, Patent Owner: Rishi Raj
3. Patent Name: A Cutting Tool Assembly, Status: Filed, Ref. No: 202431005668, Patent Owner: Anirban Mahato
4. Patent Name: Vibro-tactile feedback system using FSR, Status: Granted, Ref. No: 201731014654 dt. 25.04.2017, Patent Owner: Karali Patra
5. Patent Name: An Improved Heat Sink System for Suppressing Two-Phase Thermal and Flow Instabilities and a Method Thereof, Status: Granted, Ref. No: 201931001796, Patent Owner: Rishi Raj
6. Patent Name: Stepped microchannel heat sink for cooling an electronic device, Status: Granted, Ref. No: Patent Number:502819, Patent Owner: Manabendra Pathak
7. Patent Name: Dielectric elastomer transducer based exoskeleton type knee motion harvester, Status: Granted, Ref. No: 201831005297 dt. 12.02.2018, Patent Owner: Karali Patra
8. Patent Name: A cutting tool, Status: Granted, Ref. No: 202031032781, Patent Owner: Anirban Mahato
9. Patent Name: System and Method for Extracting Atmospheric Moisture, Status: Granted, Ref. No: 202331035489, Patent Owner: Rishi Raj
10. Patent Name: An improved valveless micropump with dome shaped dielectric elastomer diaphragm, pumping chamber and nozzle diffuser as flow control element, Status: Granted, Ref. No: 201631041457 dt. 05.12.2016, Patent Owner: Karali Patra
11. Patent Name: Determination of whirl direction of shaft using modified full spectrum analysis of motor current signature, Status: Granted, Ref. No: 475678(1026/KOL/2014), Patent Owner: Somnath Sarangi
12. Patent Name: Real-time feedback system for surgical instruments for force measurement and method thereof, Status: Filed, Ref. No: 202331080937, dt. 27.11.2023, Patent Owner: Karali Patra
13. Patent Name: A method of oining polymer rod through deformation technique using Y shape die, Status: Granted, Ref. No: 201831007503, Patent Owner: Sudhansu Sekhar Panda
14. Patent Name: Variable frequency driven biaxial testing device, Status: Granted, Ref. No: 202031020867, Patent Owner: Karali Patra
15. Patent Name: Dielectric elastomer annular diaphragm based hydroelectric generator, Status: Granted, Ref. No: 201731045675, Patent Owner: Karali Patra
16. Patent Name: A FRICTION STIR ADDITIVE METHOD FOR FABRICATING DEPOSITS FROM POWDER FOR IMPLANTS, Status: Published, Ref. No: 202331035542, Patent Owner: Probir Saha
17. Patent Name: A System and Method for Controlling the Buoyancy of an Underwater Submersible, Status: Granted, Ref. No: 201831028588, Patent Owner: Rishi Raj
18. Patent Name: A System and Method for Controlling Buoyancy of an Underwater Submersible, Status: Granted, Ref. No: 453932, Patent Owner: Atul Thakur
19. Patent Name: Cryogenic micromachining apparatus and method thereof, Status: Granted, Ref. No: 202031020431, Patent Owner: Karali Patra
20. Patent Name: A pulsating heat pipe, Status: Filed, Ref. No: 202331028009, Patent Owner: Subrata Kumar
21. Patent Name: Design of adhesion based omni orientation surface traverse mechanism in crawling quadruped trot-gaited robot, Status: Filed, Ref. No: 202331026910, Patent Owner: Atul Thakur

Professional Activities by Faculty Members

1. Ashwani Assam - Participated in Manak Pravardhak, Two-day BIS workshop for the Engagement of Young Professionals held on 27-28 March 2024 at BIS National Institute of Training for Standardization (NITS), Noida.
2. Deepu P - Reviewer: Applied Thermal Engineering.
3. Deepu P - REVIEWER: International Communications in Heat and Mass Transfer.
4. Atul Thakur - Expert member of Technical Program Committee (TPC) for ITU Kaleidoscope 2024 conference, themed "Innovation and digital transformation for a sustainable world." .

5. Deepu P - REVIEWER: Journal of Fluid Mechanics.
6. Probir Saha - Deliver an invited talk in the Department of Mechanical Engineering, MIT Muzaffarpur, Bihar on "Friction stir-based additive manufacturing process for aluminium alloy powder" under One Week Short Term Training Program on INDUSTRY 4.0: FUTURE MANUFACTURING TRENDS AND DIGITALIZATION..
7. Anirban Mahato - Reviewer of International Journal of fracture.
8. Ajay Kumar Yadav - Delivered a technical talk in a Faculty Development Program on Recent trends in Engineering at NCER Pune in Feb 2024.
9. Probir Saha - External DC member for PhD at NIT Patna.
10. Deepu P - Reviewer: Journal of the Indian Institute of Science.
11. Deepu P - REVIEWER: Physics of Fluids.
12. Ashwani Assam - Served as session chair in 27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMT-2023), December 14-17, 2023, held at IIT Patna.
13. Manabendra Pathak - Session Chair: 27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMT-2023) 14-17 December 2023, IIT Patna.
14. Mohd Kaleem Khan - NBA expert visit to Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, Mouza Kalidaha, P.S. DumDum, Kolkata West Bengal 700074 from 24.11.2023 to 26.11.2023.
15. Probir Saha - Acted as a reviewer of an external PhD thesis.
16. Manabendra Pathak - Reviewer MANAK .
17. Atul Thakur - Serving as Associate Editor of ASME Journal of Computing and Information Science in Engineering.
18. Anirban Mahato - Reviewer of International Journal of Machine Tools and Manufacture.
19. Deepu P - Reviewer: Journal of Fluids and Structures.
20. Mohd Kaleem Khan - NBA expert visit to MLV Textile and Engineering College, Pur Road, Bhilwara-Rajasthan-311001 from 29.09.2023 to 01.10.2023.
21. Manabendra Pathak - Session Chair: 14th Conference on Computational Heat and Mass Transfer 4-8 September 2023 Dsseldorf, Germany.
22. Ashwani Assam - Invited to deliver a talk on "Emerging Teaching Skills" as a guest faculty to Assitant Professors in three groups. Bihar Institute of Public Administration & Rural Development, Gaya.
23. Ashwani Assam - Invited to deliver a talk on "Emerging Teaching Skills" as a guest faculty to Assitant Professors in three groups. Bihar Institute of Public Administration & Rural Development, Gaya.
24. Ashwani Assam - Invited to deliver a talk on "Emerging Teaching Skills" as a guest faculty to Assitant Professors in three groups. Bihar Institute of Public Administration & Rural Development, Gaya.
25. Manabendra Pathak - Expert talk: Microchannel Heat Sinks, SERB sponsored online workshop on Emerging Trends in Liquid-Vapor Phase Change Heat Transfer at IIT Patna.
26. Ashwani Assam - Expert Lecture, "Introduction to CFD in Multiphase Problems" in the SERB Workshop on "Emerging Trends in Liquid-Vapor Phase Change Heat Transfer" organised by Dr. Rishi Raj at IIT Patna. Date: July 17, 2023.
27. Ashwani Assam - Invited to deliver a talk on "Emerging Teaching Skills" as a guest faculty to Assitant Professors in three groups. Bihar Institute of Public Administration & Rural Development, Gaya..
28. Deepu P - Reviewer of progress of a couple of PMRF scholars.
29. Mohd Kaleem Khan - External examiner at NIT Patna for evaluating MTech theses on 22.05.2023.
30. Anirban Mahato - Reviewer of Scientific reports.
31. Mayank Tiwari - Member DRDO design review committee for Project of National Importance.
32. Manabendra Pathak - Keynote talk: Thermal Energy Storage System with Phase Change Materials for Solar Thermal Technology, 2nd International Conference on Innovations in Clean Energy Technologies (ICET 2023), MANIT Bhoopal.
33. Anirban Bhattacharya - Reviewer of international journals..
34. Anirban Mahato - Reviewer of SERB.

35. Anirban Mahato - Reviewer of Transactions of the Indian National Academy of Engineering.
36. Rishi Raj - International Scientific Committee Member at the 11th International Conference on Boiling and Condensation Heat Transfer, Edinburgh, Scotland, 2023. .

Seminar, Conference and Workshop Organised

1. Mohd Kaleem Khan - Co-convener of IHMTC 2023 and member of accommodation committee IHMTC 2023:-27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC-2023), IIT Patna, 14-17 December 2023. (Co-convener of IHMTC 2023 and member of accommodation committee IHMTC 2023) Participants: 400.
2. Ajay Kumar Yadav - Organising team :-27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer conference, IIT Patna (Organising team) Participants: 300.
3. Ashwani Assam - Core Member:-27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC-2023), IIT Patna (Core Member) Participants: 400.
4. Anirban Bhattacharya - Organizing Committee member:-27th National and 5th International Heat and Mass Transfer Conference (IHMTC) 2023, Mechanical Engineering Department, Indian Institute of Technology Patna, Patna, Bihar (Organizing Committee member) Participants: 350.
5. Rishi Raj - Organizing Secretary:-27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC-2023), IIT Patna (Organizing Secretary) Participants: 400.
6. Anirban Mahato - Core-member of local organizing committee:-International heat and mass transfer conference 2023, IIT Patna (Core-member of local organizing committee) Participants: 350.
7. Abhishek Raj - Core Organizing Committee Member, website Development, Stage Hosting:-27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference, Conference (IHMTC-2023), IIT Patna (Core Organizing Committee Member, website Development, Stage Hosting) Participants: 450.

8. Manabendra Pathak - Convener:-27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC2023), IIT Patna (Convener) Participants: 500.
9. Mayank Tiwari - Technical Committee:- VETOMAC 2023, IIT Roorkee (Technical Committee) Participants: 100.
10. Abhishek Raj - Core Organizing Committee Member, Session Chair:-1st Indian Conference on Micro Nano Fluidics (ICOM) 2023, IIT Madras (Core Organizing Committee Member, Session Chair) Participants: 250.
11. Rishi Raj - Convenor:-Emerging Trends in Liquid-Vapor Phase Change Heat Transfer, IIT Patna (Online) (Convenor) Participants: 97.

Visit Abroad

1. Akhilendra Singh - To present paper (NUS, Singapore) 3 Days
2. Chiranjit Sarkar - SIRE Fellowship (Sweden) 120 Days
3. Chiranjit Sarkar - SIRE Fellowship (Sweden) 120 Days
4. Surajit Kumar Paul - To attend conference (Dubai) 6 Days
5. Anirban Bhattacharya - Attending Conference IMMT2023 (BITS Pilani, Dubai Campus, Dubai, UAE) 6 Days
6. Chiranjit Sarkar - Conference (Spain) 3 Days
7. Manabendra Pathak - To attend 14th International Conference on Computational Heat and Mass Transfer (ICCHMT23) 4-8 September 2023 (Dusseldorf, Germany) 5 Days
8. Atul Thakur - Chairing a session and presenting paper at ASME IDETC 2024 Conference (Boston, US) 4 Days
9. Mohd Kaleem Khan - Presented a research paper in ICCHMT-2023 conference (Dusseldorf, Germany) 5 Days
10. Rishi Raj - To attend 11th International Conference on Boiling and Condensation Heat Transfer (Edinburgh, Scotland) 5 Days
11. Abhishek Raj - Oral talk at International conference of multiphase flow (ICMF-2023) (Kobe, Japan) 7 Days

Other Academic Activities

1. Rishi Raj - Invited talk: From Concept to Patent: Navigating the Path from Research Papers to Patents, National Seminar on Innovation & Intellectual Property Rights, Amity University Jharkhand, Ranchi, March 21, 2024. .
2. Karali Patra - Expert Lecture: Advances in Additive Manufacturing for Industry 4.0, Workshop on Industry 4.0: Future Manufacturing Trends and Digitalization, MIT Muzaffarpur, 2 February, 2024.
3. Rishi Raj - Invited talk: Engineering Fluidic Interfaces for Thermal Management Applications, Two-Day Workshop on Thermal Management Techniques: Innovations and Insights, IIT Madras, January 11, 2024. .
4. Manabendra Pathak - Ph.D. Thesis evaluation, IIT Roorkee, December 2023.
5. Manabendra Pathak - Ph.D. Thesis evaluation, MANIT, October 2023.
6. Rishi Raj - Invited talk: Analysis of Bubble Acoustics for Real-Time Prediction and Control of Boiling Heat Transfer Regimes, Mechanical & Aerospace Engineering (online), The University of Texas at Arlington, USA, September 15, 2023. (Online).
7. Manabendra Pathak - Ph.D. Thesis evaluation, IIT Guwahati, August 2023.
8. Mohd Kaleem Khan - Reviewer for prestigious journals such as Journal of Energy Storage, Applied thermal engineering, International communications in heat and mass transfer, ASME journal of heat transfer, Nuclear engineering and design, etc.
9. Manabendra Pathak - M. Tech. thesis evaluation MMMUT, June 2023.
10. Manabendra Pathak - PMRF Ph.D. scholar annual progress review, June 2023.
11. Manabendra Pathak - M.S. Thesis evaluation, IIT Kharagpur, May 2023.
12. Manabendra Pathak - M. Tech. Thesis evaluation, NIT Patna, May 2023.
13. Manabendra Pathak - Ph.D. Thesis evaluation, MANIT, May 2023.
14. Karali Patra - Guest Lecture: Optimization of mechanical micromachining processes, Short term training program Optimum Design: principles and applications NIT Agartala (1-5 May, 2023), 5 May, 2023.

Any Other Information

1. Karali Patra - NBA program evaluator for UG-Mechanical for Motilal Nehru National Institute of Technology Allahabad, Allahabad-211 004, Uttar Pradesh.
2. Karali Patra - NBA program evaluator for UG-Mechanical for Shri Sitarambhai Naranji Patel Institute of Technology, Managed by Vidyabharti Trust, Vidya Bharti Campus Bardoli Mota road Umrakh TA. Bardoli, Dist. Surat.
3. Karali Patra - Paper setter for GATE 2024 at IIT Kharagpur.
4. Karali Patra - NBA program evaluator for UG-Mechatronics for Hindustan College of Engineering and Technology, Othakalmandapam Post, Coimbatore.

Metallurgical and Materials Engineering

Head: Dr. Tamoghna Chakrabarti



Dr. Anirban Chowdhury

Associate Professor

Materials Chemistry – chemical synthesis – structural and spectroscopic characterisations – thin films & coatings – nanomaterials– sol gel – ceramics



Dr. Anup Kumar Keshri

Associate Professor

Plasma spraying, Mechanical and Tribological property of coatings, Graphene Coating, Tailoring Wettability, Thermal Barrier Coatings, Nitride Coatings, Corrosion Resistant Coatings, Wear Resistant Coatings



Dr. Ajay Kumar Kalayni

Assistant Professor

Electroceramic materials– find application in Actuators, Transducers, Optical, Memory and many energy conversion devices. Research includes: Structure–Property correlation of Dielectric, Ferroelectric, Piezoelectric, Relaxors, Multiferroic, Electrocaloric and other energy conversion Materials.



Dr. Dinesh Kumar Kotne

Associate Professor

Polymer Science and Technology with specialization in Adhesion, Blends, Composites, Fillers and Bulk/Surface properties of Polymers



Dr. Devinder Yadav

Assistant Professor

Flash sintering of ceramics, Thermomechanical processing, Electron microscopy, EBSD and texture, Friction stir processing, Structure–property correlation



Dr. Tamoghna Chakrabarti

Assistant Professor

Processing, sintering, characterization and mechanical behavior of ceramics, Ultra High Temperature Ceramics (UHTCs), Computational modelling of sintering and related phenomena, Phase field modelling study of microstructural evolution in phase transformations



Dr. Bharat Bhushan

Assistant Professor
Synthesis of Nanostructured Materials, Nanoporous and Nanomaterials, Photocatalyst, Water Purification, Synthesis of Hydrophobic Materials, Electrochemical dealloying, and Corrosion of Metal, Alloys and Amorphous Coatings



Dr. Sandan Kumar Sharma

Assistant Professor
Advanced Structural Ceramics and their High-Temperature Performance, Spark Plasma Sintering, Tribology of Materials, Structure-Property Correlation



Dr. Nitish Raja

Assistant Professor
Deformation behavior of Metals, Microstructural Characterization, In-Situ study, Deformation Simulation, Thermomechanical Processing, Casting of alloy and composites, Structure Property Correlations



Dr. Manish Singh

Assistant Professor
Fuel cell technology, Extraction of critical minerals from environment waste, Thin film deposition, Silk based hybrid materials, Conductive polymer, Nanomaterials

Research Area

1. Anirban Chowdhury, High temperature materials
2. Sandan Kumar Sharma, Tribology of Materials, Structural Ceramics
3. Devinder Yadav, Ultrafast High-temperature Sintering (UHS)
4. Manish Singh, Fuel cell technology
5. Manish Singh, Thin film technology and deposition
6. Manish Singh, Functional natural fiber for energy and environment application
7. Manish Singh, Critical minerals extraction from environment waste
8. Ajay Kumar Kalyani, Electroceramics materials: Ferroelectric, Piezoelectric & Multiferroics
9. Dinesh Kumar Kotnees, Polymer science and technology with special reference to synthesis nanomaterials from sustainability perspective
10. Bharat Bhushan, Synthesis of Nanostructured Materials, Nanoporous and Nanomaterials; Photocatalyst; Water Purification; Synthesis of Hydrophobic Materials; Electrochemical dealloying, and Corrosion of Metal, Alloys and Amorphous Coatings
11. Anup Kumar Keshri, Surface Engineering, Thermal Spray Coating (Plasma spray, HVOF and HVAF), CNTs and Graphene Reinforced Nanocomposite Coatings, Membrane Fabrication, Mechanical and Tribological

Properties of Coatings, Process Structure Property Relationship, Exfoliation of 2D Materials

Patents (filed/Granted)

1. Patent Name: Process for densification of ceramic via sequential cold sintering and low temperature conventional sintering, Status: Filed, Ref. No: 202441025554, Patent Owner: Dinesh Kumar Kotnees
2. Patent Name: A Process for Preparation of Superhydrophobic Lanthanum Cerate Oxide Coating, Status: Filed, Ref. No: 202431013112, Patent Owner: Anup Kumar Keshri
3. Patent Name: Process for densification of ceramic via sequential cold sintering and low temperature conventional sintering, Status: Filed, Ref. No: 202441016224, Patent Owner: Tamoghna Chakrabarti
4. Patent Name: APPARATUS AND METHOD FOR FACILITATING SUPERPLASTIC ELONGATION IN CERAMICS, Status: Filed, Ref. No: 202431014652, Patent Owner: Devinder Yadav
5. Patent Name: Plasma Sprayed CNT Reinforced Graphene coated Electrode for Supercapacitor, Status: Filed, Ref. No: P16728IN00, Patent Owner: Anup Kumar Keshri
6. Patent Name: Nickel Vanadium Nitride Hydrophobic Alloy Powder, Status: Granted, Ref. No: 201811045364, Patent Owner: Bharat Bhushan
7. Patent Name: Method of preparing hexagonal boron nitride nanosheets and the nanosheets prepared thereof, Status: Filed, Ref. No: 202331061025, Patent Owner: Anup Kumar Keshri
8. Patent Name: Apparatus and method for double flash sintering of piezoceramic material, Status: Filed, Ref. No: 202331049010, Patent Owner: Tamoghna Chakrabarti
9. Patent Name: A METHOD FOR PREPARING GRAPHENE BASED MEMBRANE AND THE MEMBRANE PREPARED THEREOF, Status: Filed, Ref. No: 202331025531, Patent Owner: Anup Kumar Keshri

Professional Activities by Faculty Members

1. Bharat Bhushan - Attended a workshop on Advanced Materials for Emerging Applications scheduled on the 13th and 14th of March 2024 at IIT Roorkee..
2. Sandan Kumar Sharma - Acted as judge for Elevator Pitch competition conducted by ASME for funding start-up at NIT Patna.
3. Sandan Kumar Sharma - Acted as an expert during Professional Circle camp 2023 in BRBCL (A Joint Venture of NTPC Limited and Ministry of Railways) situated at Nabinagar Aurangabad Bihar.
4. Bharat Bhushan - Delivered a seminar in iConFIRM-2023 conference at IIT Ropar .
5. Sandan Kumar Sharma - Delivered an expert talk in SERB sponsored SYMPOSIA Graphene: The Wonder Material of the Future organized by NIT Patna during 10-16, July, 2023.

Seminar, Conference and Workshop Organised

1. Devinder Yadav - Convener:-International Conference on Advanced Ceramics - Recent Developments and New Technologies, IIT Patna (Convener) Participants: 62.
2. Manish Singh - Food and travel committee:- International conference on Advanced Ceramics- Recent Developments and New Technologies, IIT Patna (Food and travel committee) Participants: 40.
3. Tamoghna Chakrabarti - Co-Convener:-International Conference on Advanced Ceramics Recent Developments and New Technologies, IIT, Patna (Co-Convener) Participants: 60.
4. Anirban Chowdhury - Convenor:-Processing and Characterization of High Temperature Materials (PCHTML) Workshop, IIT Patna (Convenor) Participants: 50.

Visit Abroad

1. Anup Kumar Keshri - Invited talk, International Conference on Nano and Materials Science (Bangkok, Thailand) 5 Days
2. Anirban Chowdhury - To deliver INVITED lecture on "Shape Strain Effects in Nanoceramics" at THERMEC'2023 International Conference on Processing & Manufacturing of advanced Materials, VIENNA, AUSTRIA (Vienna, Austria) 5 Days
3. Anirban Chowdhury - To deliver a lecture on "Stabilizing Zirconia without Yttria with Comparable Properties" at XVIII EcerS Conference & Exhibition, at Lyon, France, Jul. 2-6, 2023 (Lyon, France) 5 Days

4. Anup Kumar Keshri - Project Progress Review (University of Miskolc, Hungary) 10 Days

Other Academic Activities

1. Anup Kumar Keshri - Delivered a talk on "Plasma Spraying: Beyond Traditional Coating" at National Thermal Spray Conference, IIT Madras.

Physics

Head: Dr. Raghavan K Easwaran



Dr. Ajay D. Thakur

Associate Professor
Condensed Matter Physics, advanced electronic materials for energy harvesting and sensing applications



Dr. Alpana Nayak

Assistant Professor
Condensed matter physics (experimental), Nanoionic devices; atomic switches, Scanning probe microscopy, Organic thin films



Dr. Arghya Choudhury

Assistant Professor
Particle Physics, Collider Physics, Physics beyond the Standard Model, Supersymmetry, Higgs Physics, Dark Matter.



Prof. Awalendra K. Thakur

Professor
Renewable Energy Resources, Composite Nano Structures, Solid State Ionics, Dielectrics and Ferroelectrics, Super Capacitors, E.M.I. Shielding.



Dr. Ayash Kanto Mukherjee

Assistant Professor
Transport in conjugated polymers, Organic electronic devices, Molecular electronics



Dr. Jobin Jose

Associate Professor
Computational atomic and molecular physics



Dr. Manas Kumar Sarangi

Assistant Professor
Biophysics and Ultrafast Spectroscopy



Dr. Manoranjan Kar

Associate Professor
Magnetic materials, Nanostructured ferrites, Multiferroic Materials, Composites



Prof. Naveen Kumar Nishchal

Professor
Applied Optics (Optical Information Processing, Image Encryption, Watermarking, Digital Holography, Fractional Fourier Transform-based Signal Processing, Correlation-based Optical Pattern Recognition)



Dr. Neha Kiritkumar Shah

Assistant Professor
Experimental High Energy Physic, Heavy-ion Collisions: Understanding strong interactions using two-particle correlation functions, Understanding QCD phase diagram with strangeness production, Hypernuclei and antimatter production, Exotics: Dibaryons, pentaquarks and Hadron spectroscopy



Dr. Prakash Parida

Assistant Professor
Condensed Matter Theory, Quantum Transport, Two-Dimensional Layered Materials, Topological Insulators, Charge-Spin-Heat Transport, Strong Correlated Electronic Systems, Light-Matter Interaction



Dr. Raghavan K Easwaran

Associate Professor
Quantum Optics (Experiment and Theory)



Dr. Soumya Jyoti Ray

Associate Professor
Two-dimensional Layered Materials, Nanoelectronics,
Spintronics, Superconductivity, Magnetism



Dr. Utpal Roy

Associate Professor
Bose-Einstein condensate, Nonlinear Optics, Quantum
Optics, Quantum Physics



Dr. Venkata R. Dantham

Associate Professor
Bio-Photonics, Nanophotonics, Ultrasensitive optical
biosensors, Photonic atoms



Dr. Chandra Shekhar Prajapati

Assistant Professor
MEMS Integrated Gas Sensors, Non-invasive Gas-Bio-
sensing, Sensors for Space Applications, Nanomaterials
Synthesis & Characterization, Nanostructures
thin films growth



Dr. Akash Singh

Assistant Professor
Electronic Structure Theory, Spin-Defects for Quantum
Information Science, Magnetic Doping and Polaron
Dynamics, 2D Quantum Materials



Dr. Sandeep Aashish

Assistant Professor
Early Universe Cosmology, Signatures of New
Physics, Effective Quantum Gravity, Foundations of
Quantum Mechanics

Research Area

1. Manoranjan Kar, Nanogenerator: Harnessing the electric power from tiny nanoscale materials,. Nanogenerators are revolutionizing energy harvesting capabilities on an unprecedented scale. These miniature devices have the potential to transform everyday activity into self-powered systems, tapping into ambient energy sources such as motion, vibration, and even sunlight. Join us as we delve into the world of nanogenerators, where the fusion of nanoscience and energy technology is reshaping the landscape of renewable energy solutions.
2. Akash Singh, Condensed Matter Theory
3. Soumya Jyoti Ray, Condensed Matter Physics, Nanoelectronics, Spintronics, Energy
4. Manas Kumar Sarangi, Ultrafast Spectroscopy, Biophysics, NanoMaterials, Perovskite, Carbon Dots
5. Venkata Ramanaiah Dantham, Nanophotonics and Biophotonics
6. Arghya Choudhury, High Energy Physics, Physics beyond the Standard Model, Higgs Physics, Neutrino Physics, Dark Matter, Collider physics, Supersymmetry
7. Prakash Parida, Condensed Matter Theory
8. Alpana Nayak, Nanosystems research: thin films, Langmuir-Blodgett films, resistive switching devices, memristors, neuromorphic systems, targeted drug delivery
9. Ajay Thakur, Energy Systems
10. Naveen Kumar Nishchal, Applied Optics-Optical Information Processing, Digital Holography, Optical Cryptography, Structured Light
11. Ajay Thakur, Condensed Matter Physics
12. Gaurav Kumar Tomar, Astroparticle Physics and High Energy Physics
13. Jobin Jose, Computational atomic, molecular and Optical physics
14. Raghavan K Easwaran, Quantum Optics, Quantum Technology, Cold atom Physics and Optics (Exp and theory)
15. Neha Kiritkumar Shah, Experimental High Energy Physics
16. Ayash Kanto Mukherjee, Organic electronics
17. Manoranjan Kar, Supercapacitor- A supercapacitor, also known as an ultracapacitor or double-layer capacitor, is an advanced energy storage device that bridges the gap between traditional capacitors and batteries. Unlike batteries, supercapacitors store energy electrostatically, allowing for rapid charging and discharging cycles with high power density. With their ability to provide bursts of power and efficiently handle frequent charge and discharge cycles, supercapacitors find applications in various fields, including electronics, transportation, renewable energy systems, and more.
18. Sandeep Aashish, Cosmology
19. Manoranjan Kar, Our research group has reported physical properties correlation in the material. The correlation between crystal structure and magnetic/electric properties of the material. Also, we have observed the correlation between the magnetic and electric properties of the material.
20. Manoranjan Kar, Currently we are working on magnetocaloric effect of Ni and Mn based Heusler alloys across their first or, second order magnetic phase transitions. We are mainly focusing on the development of environment-friendly, non-toxic, and cost-effective magnetic refrigerants with large magnetocaloric parameters such as Isothermal magnetic entropy change & Adiabatic temperature change . These parameters are extracted indirectly from the iso-thermal magnetic and iso-field heat capacity measurements.
21. Manoranjan Kar, We are working on the Electrocaloric effect on lead-free perovskite materials. The electrocaloric effect is generally governed by two important parameters i.e. Isothermal entropy change and adiabatic temperature change . Here, these parameters were calculated by using the indirect method.
22. Manoranjan Kar, Enhancement of dielectric constant has been demonstrated by our research group in the polymer-ceramic nanocomposite for energy storage application. Several other phenomena are demonstrated and we are actively working on developing the ceramic-polymer nanocomposite.
23. Utpal Roy, Quantum Machine Learning
24. Utpal Roy, Optical Lattices and Quantum Simulation
25. Utpal Roy, Bose-Einstein Condensate
26. Utpal Roy, Quantum Computation

27. Utpal Roy, Quantum Information and Quantum Sensing
28. Manoranjan Kar, Experimental Condensed Matter Physics, Magnetic Materials, Ferroelectrics, Multiferroics, Magneto-Electric, Strongly correlated Electron system
29. Ayash Kanto Mukherjee, Charge transport across Metal-organic semiconductor interface
30. Ayash Kanto Mukherjee, Charge dynamics in conjugated organic molecule/conjugated organic polymer system

Patents (filed/Granted)

1. Patent Name: An Apparatus and Method for Off-the-Grid Climate Control, Status: Granted, Ref. No: 202231026031, Patent Owner: Ajay Thakur
2. Patent Name: System and Method for Extracting Atmospheric Moisture, Status: Granted, Ref. No: 202331035489, Patent Owner: Ajay Thakur

Professional Activities by Faculty Members

1. Arghya Choudhury - DC committee member of several PhD students in the Department of Physics, and Mathematics IITP..
2. Sandeep Aashish - Reviewer for a journal manuscript submitted to Proceedings of the National Academy of Sciences, India Section A: Physical Sciences. .
3. Venkata Ramanaiah Dantham - Developed an experimental setup in Optics laboratory - II for visualizing the photonic nanojets of single optical microspheres .
4. Naveen Kumar Nishchal - PhD Thesis Examiner, IIST Thiruvananthapuram.
5. Venkata Ramanaiah Dantham - Developed an experimental setup in Optics laboratory - II for nanoplasmonic biosensing applications .
6. Soumya Jyoti Ray - Journal Reviewer - Elsevier, Springer, IEEE, IOP, ACS, IET, World Scientific, Wiley (multiple).
7. Venkata Ramanaiah Dantham - Developed an experimental setup in Optics laboratory - II for recording the absorption and extinction spectra of various samples.
8. Neha Kiritkumar Shah - Invited talk at the 3rd international conference on Advancement in Core and Frontier of Physics (ACFP-2024), 2-4 February, 2024, GLA University, Mathura.
9. Naveen Kumar Nishchal - PhD Thesis Examiner, Shiv Nadar University, Greater Noida.
10. Utpal Roy - Examiners for PhD Thesis Evaluation IIT Guwahati, BITS Pilani, Bharathidashan Univ, University of Napels Federico II's Quantum Technology Group, Italy.
11. Naveen Kumar Nishchal - Member, Technical Programme Committee, International Conference on Optics, Photonics, and Quantum Information (OPTIQ-2023), Dec. 11-13, 2023, CUSAT, Cochin.
12. Naveen Kumar Nishchal - Member, National Advisory Committee, 6th IEEE International Workshop on Recent Advances in Photonics (WRAP-2023), Dec. 07-09, 2023, IIIT Allahabad.
13. Naveen Kumar Nishchal - Session Chair, Chaired a technical session-VI, (on Day 2, Nov. 25, 2023), in International Conference on Trends in Optics and Photonics, Calcutta University, Kolkata.
14. Naveen Kumar Nishchal - Member, Committee constituted by IGIMS Patna IT Cell for implementation of e-shushrut software by C-DAC.
15. Neha Kiritkumar Shah - Invited talk at EMMI workshop on Bound state and particle interactions in the 21st century, University of Trieste, Italy, July 3-6, 2023..
16. Gaurav Kumar Tomar - I delivered a presentation at IISER Thiruvananthapuram titled: The Migdal Effect: Exploring the Low Mass Regime of Dark Matter.
17. Naveen Kumar Nishchal - PhD Thesis Examiner, Central University of Haryana, Mahendergarh.
18. Jobin Jose - Reviewer for journals 1. Journal of Physics B: Atomic and molecular optical physics 2. European Physics Journal D 3. International Journal of Quantum Chemistry 4. Physica Scripta 5. Indian Journal of Science and Technology 6. Atoms.
19. Neha Kiritkumar Shah - Member of Gender Working group in high energy physics.
20. Venkata Ramanaiah Dantham - I have been serving as a reviewers for the following Journals. Applied Physics Letters; Journal of Applied Physics; Optics Express; Optics Letters; Journal of Nanoparticle Research; Optics Communication; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy; The Scientific World Journal; Journal of Raman

Spectroscopy; Optical Engineering; Journal of Selected Topics in Quantum Electronics; Physics Letter A; Physica Status Solidi(b); Sensors and Actuators B: Chemical; Indian Journal of Physics; Applied Physics A.

Seminar, Conference and Workshop Organised

1. Naveen Kumar Nishchal – Organizer:-DAE IPA C V Raman Lecture, IIT Patna (Organizer) Participants: 125.
2. Jobin Jose – Speaker:- Temporal Response of Atoms Trapped in an Optical Dipole Trap: A Primer on Quantum Computing Speed, S. Baral, Raghavan K. Easwaran, J. Jose, Aarthi Ganesan and P. C. Deshmukh, International Conference on Quantum Technologies and Applications (ICQTA 2024), Department of Atomic and Molecular Physics, Manipal Academy of Higher Education, Manipal, 12th – 14th February, 2024, Manipal University (Speaker) Participants: 100.
3. Jobin Jose – Speaker:-A computational perspective on the quantum nature of atoms and molecules, J. Jose, Marian College Kuttikanam, Kerala (Speaker) Participants: 60.
4. Jobin Jose – Speaker:-Understanding the Laws of Physics Through Experiments, J. Jose, S. N. College Kumarakom (Speaker) Participants: 40.
5. Jobin Jose – Organizer:-Organized a seminar on Nobel Prize Physics 2023 will be live-screened at CLH complex (LT-102) on 4th December 2023 from 2.30 PM Onwards. Speaker: Prof. P. C. Deshmukh, Title of the talk: "Attosecond Dynamics: The Nobel Prize in Physics 2023, LT 102 (Organizer) Participants: 30.
6. Utpal Roy – Convenor:-Workshop on Quantum Technology 'Quantum Quake', IIT Patna (Convenor) Participants: 239.
7. Utpal Roy – CVO:-Vigilance Awareness Week 2023, Indian Institute of Technology Patna (CVO) Participants: 75.
8. Sandeep Aashish – Invited speaker:-A brief history of modern physics: since the birth of Schrodinger, Magadh University, Bodh Gaya (Invited speaker) Participants: 100.
9. Jobin Jose – Organizer:-Visit to Physics lab by the students of St. Karens Collegiate School, Jaitipur, Patna, Block 9, IIT Patna (Organizer) Participants: 60.
10. Jobin Jose – Speaker:-Understanding the Laws of Physics Through Experiments, St. Karen's School, Danapur (Speaker) Participants: 100.

Visit Abroad

1. Prakash Parida – Conference (Germany Physical Society March meeting 2024) (TU Berlin, Berlin) 8 Days
2. Naveen Kumar Nishchal – Attending conference (Boston, USA) 7 Days
3. Neha Kiritkumar Shah – To deliver a talk at the EMMI Workshop on Bound state and particle interactions in the 21st century (University of Trieste, Italy) 6 Days

Other Academic Activities

1. Ajay Thakur – Reviewed a number of research articles across the year from publishers including AIP, Elsevier and Springer.
2. Ajay Thakur – Delivered a talk at the Refresher Course organized by Department of Physics, Patna University.
3. Ajay Thakur – Delivered a talk at ICMS2024 (Tripura University) on 'Hydrophobic Surfaces'.
4. Utpal Roy – Reviewing a number of manuscripts in reputed peer reviewed national and international journals.
5. Sandeep Aashish – Submitted proposal for short course on "Physics of AI" by foreign collaborator under the GIAN Phase-IV call.
6. Ajay Thakur – Delivered a talk titled 'Developing Robust Superhydrophobic Surfaces Using Scalable Approach for Industrial Applications' at the Department of Physics, IIT-ISM Dhanbad.
7. Ajay Thakur – Delivered a lecture titled 'Teaching Physics – Pedagogy and Beyond' at BITS-Hyderabad in the Conference on Important Aspects of Effective Teaching.
8. Gaurav Kumar Tomar – I attended PPC 2023: XVI International Conference on Interactions between Particle Physics and Cosmology.
9. Naveen Kumar Nishchal – Reviewer to journals published by OPTICA, SPIE, IEEE, IOP, Elsevier, Springer, MDPI, Taylor & Francis.

Any Other Information

1. Naveen Kumar Nishchal – Number of citations: 3,952; h-index: 35; i10 index: 75 (Source: Google Scholar).

Centralized Services, Programmes and Units

Computer Center, IIT Patna at a glance

Faculty in-Charge:

Dr. Satendra Kumar (Head of Department, Computer Center)

Staff:

Mr. Ajay Kumar Sharma, Technical Superintendent

Mr. Arpit Ashok, Jr. Technical Superintendent

Contents

1. Preface
2. Hardware Resources
3. Maintenance and Software Resources
4. Network
5. Application Services
6. Services and Support

1. Preface

IIT Patna has a state-of-the-art Computer Center. There are two computer center labs, CC-1 and CC-2.

CC-1 Lab is equipped with 159 desktops having smart audio-video system and CC-2 Lab is a WiFi enabled lab for personal devices. These labs operate from 9:00 AM till midnight on all seven days. Additionally, there are eighteen UNIX/Linux/VMware based servers that caters to the institute IT services like Mail, Institute Webserver, Intranet, Online recruitment, admissions and students' academic requirements and research purpose. Availability of the servers and resources is ensured with power back up provided by UPS grid.

A local area network with IP telephony is catering to the needs of students, faculty and staff in academic as well as residential areas.

Computer Center has the National Knowledge Network (NKN) facility. The NKN is a revolutionary state-of-the-art multi-gigabit PAN-Indian resource-sharing network aimed at digitally connecting all national universities, colleges and research establishments to create 'country-wide virtual classrooms'. There are three fully functional virtual classrooms (VCs) which is being extensively used by campus community for academic purposes like Teaching, Conferences, Workshops and Seminars.

The virtual classroom facility provided at various places are as follows:

Sl No.	Virtual Classroom	Seating Capacity	Equipment
1	NKN 407	65	<ol style="list-style-type: none"> 1. A rack equipped with Hardware for VC, DVI switcher, networking equipment and connectivity and IP VCR with PTZ cameras for recording of video streams and classes. 2. One projector, 4 LCDs, Audio system, Wireless mic, Document camera and interactive LCD panel. 3. Comfortable seating arrangement with air conditioning and stage with podium.
2	NKN 408	110	
3	Senate Hall	143	

Dedicated NKN (National Knowledge Network) leased line of 1Gbps provides for state-of-the-art virtual classroom service as well as internet. High speed and uninterrupted internet access is provided across the campus to everyone through multiple ISP (Internet Service Provider) leased lines provided by RailTel and NKN. The NKN leased line is provided over optical fiber links of RailTel and BSNL in High availability mode. The bandwidth details of these leased lines are as follows:

The virtual classroom facility provided at various places are as follows:

SI No	ISP	Bandwidth (Mbps)
1	RAILTEL	512
2	NKN	1000*

*Shared for virtual classroom and internet

Computer Center Photo Gallery



CC LAB-1





CC LAB-2



Server Room

NKN 407 Virtual Classroom



NKN 408 Virtual Classroom



Senate Hall



2. Hardware Resources

New hardware resources were procured by Computer Center for the institute. These resources align with the requirements of faculty, staff and students.

Following is the list of major hardware resources procured in addition to other:

Sl No.	Item	Unit	Price (INR)
1	Firewall	01	2,69,63,000
2	Desktop	160	1,75,98,400
3	Laptop	30	21,45,000
4	UPS	03	17,416
5	Cambium RF	02	1,97,650
6	Network Switches	02	1,72,280
7	Video Conferencing device	01	1,56,350
8	Printer	19	3,98,826
Total			4,76,48,922

Overall, hardware resources of value INR 4,76,48,922 were procured under major heads to cater for needs of various departments.

3. Maintenance and Software Resources

Maintenance and renewal of existing Hardware and Software resources was taken up and new Software resources were added to Computer Center inventory. These resources align with the requirements of faculty, staff and students.

Following is the list of Software resources procured:

SI No.	Item	Unit	Price (INR)
1	1-year maintenance charges of UPS	01	3,07,500
2	RailTel ISP renewal	01	12,98,000
3	MATLAB Campus wide License	01	11,09,200
4	Microsoft Campus Wide License	01	15,14,864
5	CISCO WebEx License (Collaboration flex plan for education)	01	2,45,234
6	BSNL PRI Line	01	3,00,000
7	SSL Certificate	1	20,000
8	Ansys Software	01	1,60,36,686
9	Mathematica Software	01	39,17,600
Total			2,31,43,584

Overall, Maintenance & Software resources of value INR 2,31,43,584 were procured through Computer Center to cater for needs of Institute.

4. Network

Network Services provide LAN, internet and telephone service access across the campus of 550 acres. The technical solution being maintained by CC and third-party engineers jointly has following salient features:

- » The complete solution has 3 layers viz. Core with redundancy, Dual homed Distribution layer with redundancy and dual homed PoE (Power on Ethernet) enabled Access layer.
- » Interconnection upto access layer is on OFC (Optical Fibre Cable). The bandwidth available from core to distribution is 10G+10G upgradable to 40G, from distribution to access is 2G+2G upgradable to 10G and from access to LAN ports is 1G.
- » Around 130 wireless access points with redundant wireless controller.
- » UPS (with 1+1 redundancy for core and distribution) and earthing for all active components with total 159 KVA capacity with 120 min. backup for core, 60 min backup for distribution and 30 min backup for access layer.
- » Call Manager with 2000 capacity with redundant voice gateways to support 4 PRI lines and 854 IP telephones.
- » 24X7 operation & maintenance with 1 site manager+ 3 Engineers+1 reliever.
- » There are around 5000+ end points for LAN/Internet and IP telephones
- » Network connectivity is also provided in newly constructed buildings like Gymkhana, Hostels, and Residential buildings.

SI No.	Item	Unit	Price (INR)
1	Upgradation, Warranty renewal and CAMC of IIT Patna campus Data and Telephone network" at IIT Patna	1	36,75,748
2	Passive cabling & fiber with installation at IIT Patna campus	1	36,59,836
Total			73,35,584

5. Application Services

Computer Center is actively involved in development of software applications, web portals and automated solutions to facilitate and support different sections of the institute. During this period, following activities in this area were undertaken:

Sl No.	Application Running	Description
2	Stock Distribution system	For tracking laptop, desktop and printers in CC
3	Online Complaint Portal for different sections like IWD, CC, Academics etc	For raising and tracking user complaints and issues
4	SAIF Web portal	Public Web portal for SAIF
5	GIAN web portal	Public Web portal for GIAN
6	CEP web portal	Public Web portal for CEP
7	Intranet	Intranet services for IITP Community
8	Institute Website	The public website of IIT Patna
9	Hospital patient record system	For IITP Hospital
10	Web portal and application hosting	Assistance to IITP community for hosting and publishing their web content, portals etc
11	Outlook Mail services	Mailing system was migrated from in-house solution to online Microsoft Outlook.
12	Online Activities	Online teaching and meetings is facilitated using WebEx/MS Teams platforms.

7. Services and Support

- » 365 X 24 X 7 support services for Network
- » Desktop/Laptop/Server support on all working days during office hours
- » Institute Website and e-mail support.
- » VPN for remote access.
- » Virtual Classroom support services during classes, seminars and conferences.
- » Internet access, Wifi (Boy's Hostel).
- » Intranet, Leave portal, online academic module.
- » Exam related services (GATE, JEE etc).
- » Support during Student Placement.
- » Conference Site Maintenance.
- » Support for training programs organization.
- » Support for student Gymkhana website for events like anwasha, celesta, reverberance and other extra co-curricular activities.
- » License server support (MATLAB, Mathematica, ANSYS, and Tecplot 360 etc).
- » Support for institute meeting resources like web conferencing, internet access etc.
- » Support for procurement of departmental and institute assets (Computer and accessories, LAB, furniture and other infrastructure related items).

SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY (SAIF)

INDIAN INSTITUTE OF TECHNOLOGY PATNA

Sophisticated Analytical Instrument Facility (SAIF) at IIT Patna is a R & D Infrastructure, sponsored by Department of Science and Technology, Govt. of India, for data collection/characterization of research samples/materials by paying nominal charges. This facility is open for internal (IIT Patna users) as well as external researchers from academia, research laboratories as well as industries.

Research vision:

- » To provide data collection facility from sophisticated analytical instruments for characterization of samples received from scientists/researchers from academic institutes, R & D laboratories and industries for research work.
- » Train technicians/students in operation and maintenance of the equipments.

Facilities: The details are given below:

1. High Resolution Liquid chromatography-mass spectrometry (HR-LCMS)

Make: Bruker Germany

Model: Impact HD UHR-TOF mass spectrometer



HR-LCMS, SAIF IIT Patna

2. Single Crystal X-Ray Diffractometer (SC-XRD)

Make: Bruker Germany

Model: AXS D8 QUEST



SC-XRD, SAIF IIT Patna

3. 500 MHz Nuclear Magnetic Resonance (NMR) Spectrometer

Make - JEOL

Model - ECZ500R/S1 with liquid probe and solid probe



500 MHz NMR, SAIF IIT Patna

4. Particle Size and Zeta potential Analyzer

Make - Malvern Panalytical

Model - Zetasizer Advance Ultra Red ZSU3305



Particle Size and Zeta potential Analyzer, SAIF IIT Patna

5. Thermogravimetric Analyzer

Make - TGA 8000

Model - Perkin Elmer



Thermogravimetric Analyzer, SAIF IIT Patna

6. Differential Scanning Calorimetry

Make - DSC 6000

Model - Perkin Elmer



Thermogravimetric Analyzer, SAIF IIT Patna

7. Physiorption/Chemisorption Analyzer

Make - Autosorb iQ-C-XR-XR

Model - Anton Paar



Physiorption/Chemisorption Analyzer, SAIF IIT Patna

Technical Progress for FY 2023-24:

- » Total numbers of the users (internal as well external) of SAIF IITP are 105.
- » Total numbers of the sample processed are 2,229.

Significant achievement for FY 2023-24:

1. Grant sanctioned from DST: New grant sanctioned 45 lakh for FY 2022-2023.
2. Workshop on "Use of Advanced Analytical Instruments for Energy and Coating Applications" on July 15th-21st, 2023, organised by the Department of Chemical and Biochemical Engineering, Under SYNERGISTIC TRAINING PROGRAM UTILIZING THE SCIENTIFIC TECHNOLOGICAL INFRASTRUCTURE (STUTI) PROGRAMME OF INDIAN INSTITUTE OF TECHNOLOGY (ISM) DHANBAD - In this program, SAIF IIT Patna have demonstrated NMR facility to all participants of said workshop.
3. Bihar Science stream teachers visit and demonstration at SAIF IIT Patna on 19-12-23.
4. Notre Dame Academy, Patna students and their teachers visit and demonstration at SAIF IIT Patna on 23-12-23.



List of significant publications (2023-2024) acknowledging SAIF-IITP

1. Danish Ali, Nurabul Mondal, Anoop Kumar Panday, and Lokman H. Choudhury "Synthesis of Selenocyanates and Selenoethers of Amino Pyrazoles and Amino Uracils by In Situ Triselenium Dicyanide from Malononitrile and Selenium Dioxide" *ACS Omega* 2023, 8, 25349-25357.
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TRAINING AND PLACEMENT CELL

Amidst the backdrop of a challenging global job market, IIT Patna's 2023-24 placement season emerged as a resounding success, setting a new benchmark for the institute.

This year, the campus witnessed robust recruitment across diverse sectors, with approximately 220 prominent companies from IT/Software, Finance and Banking, Analytics and Consulting, Core Engineering, e-commerce, Healthcare, Manufacturing, Automotive, and more, extending a total of 452 job offers to the graduating batch of 2024. This achievement underscores a significant milestone in IIT Patna's placement history, as it marks the third consecutive year that students have received over 400 job offers from a wide spectrum of industries, reflecting the strong demand for the institute's talented graduates.

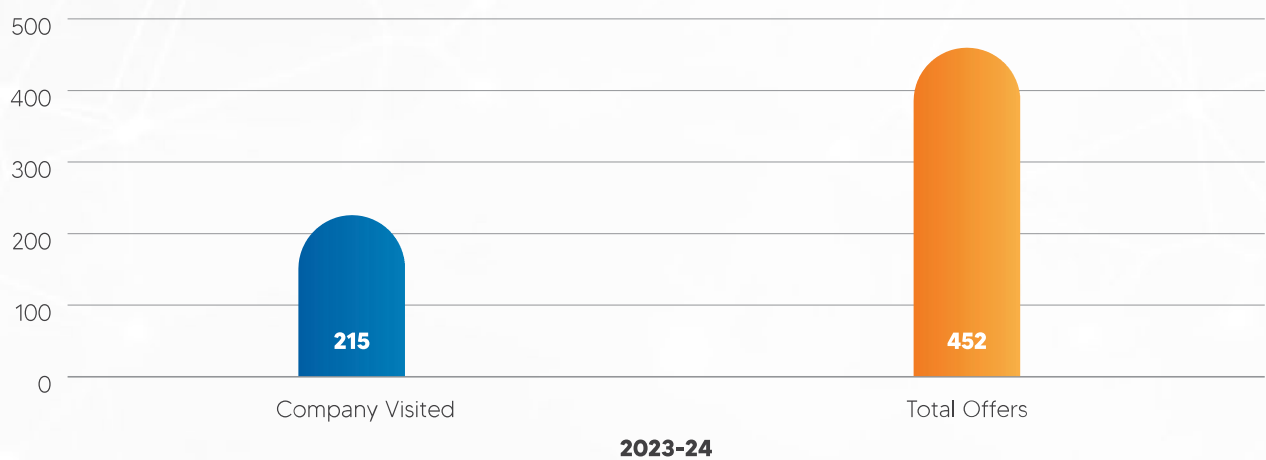


Figure1: Number of company visited and total number of offers in 2024

In 2024, IIT Patna achieved remarkable milestones in placement statistics: M.Tech. graduates secured an impressive average CTC of 13.08 lakhs, while B.Tech. graduates commanded an average salary of 15.90 LPA. M.Sc. graduates also performed exceptionally well, with an average CTC of 6.79 lakhs. Additionally, a prestigious multinational corporation, highlighting the institute's commitment to fostering career excellence among its students, offered the highest domestic salary package of Rs.59.91 lakh per annum.

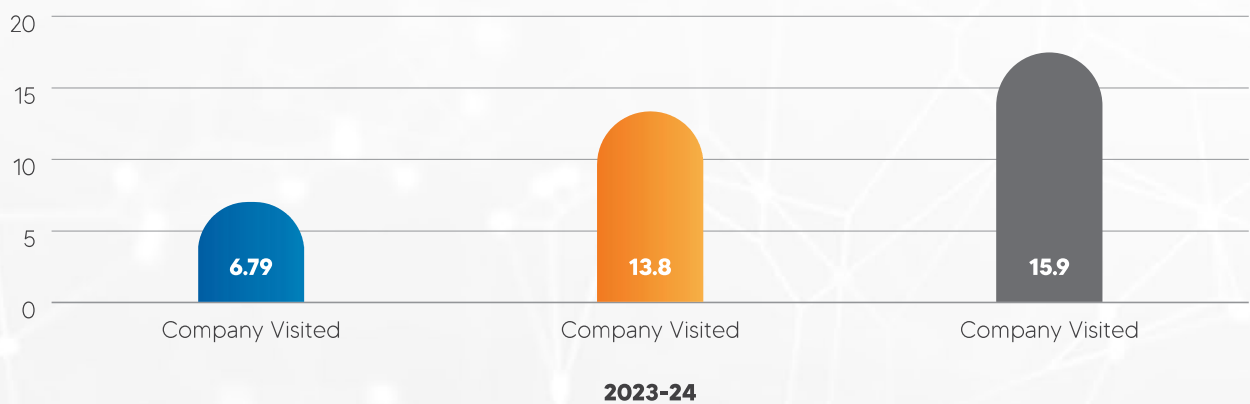


Figure2: Average CTC (in Lakhs) of placement offers for various courses for year 2024.

In terms of placement percentages, Computer Science and Engineering emerged at the top position with an outstanding 98.80%, followed closely by Metallurgical and Materials Engineering at 91.30% and Electrical Engineering at 89.19%. The overall placement percentage for B.Tech. was a commendable 86.82%, highlighting the strong employment outcomes across various disciplines at IIT Patna.

B.Tech. 2024 Batch Placement Data

Sl. No.	Branch Name	No. of Eligible & Interested Registered Students	Total No. of students placed	Total offers	Placement Percentage	Offer Percentage	Average Salary (LPA)
1	Computer Science & Engineering	83	82	90	98.80	108.43	24.13
2	Electrical Engineering	74	66	72	89.19	97.30	14.66
3	Mechanical Engineering	59	49	49	83.05	83.05	11.06
4	Civil Engineering	32	25	25	78.13	78.13	10.96
5	Chemical Engineering	40	27	27	67.50	67.50	12.04
6	Metallurgical and Materials Engineering	23	21	21	91.30	91.30	10.06
Total		311	270	270	86.82	91.32	15.90

In terms of placement percentages, M.Tech. Programs at IIT Patna showcased strong outcomes in 2024, with Geotechnical Engineering and VLSI/Embedded Systems leading at an impressive 100%. Following closely were Mathematics and Computing at 92.86% and Mechatronics at 85.71%. Other disciplines also exhibited robust performance in placement percentages. Overall, the M.Tech. batch of 2024 achieved a commendable 76.28% placement rate, reflecting the institute's commitment to delivering promising career opportunities across diverse specializations.

M.Tech. 2024 Batch Placement Data

Sl. No.	Branch Name	No. of Eligible & Interested Registered Students	Total No. of students placed	Total offers	Placement Percentage	Offer Percentage	Average Salary (LPA)
1	Artificial Intelligence (AI)	27	18	19	66.67	70.37	22.37
2	Computer Science & Engineering (CS)	20	17	18	85.00	90.00	15.17
3	Mathematics & Computing (MC)	14	13	13	92.86	92.86	14.37
4	Mechatronics (MT)	14	12	13	85.71	92.86	12.01
5	Communication System Engineering (EE)	15	10	14	66.67	93.33	14.83
6	VLSI & Embedded System (VLSI)	5	5	8	100.00	160.00	25.38
7	Civil & Infrastructure Engineering (CE)	13	8	8	61.54	61.54	6.78
8	Materials Science and Engineering (MS)	11	8	8	72.73	63.64	7.67
9	Mechanical Engineering (ME)	17	12	12	70.59	70.59	10.11

Sl. No.	Branch Name	No. of Eligible & Interested Registered Students	Total No. of students placed	Total offers	Placement Percentage	Offer Percentage	Average Salary (LPA)
10	Geotechnical Engineering (GE)	8	8	8	100.00	100.00	6.91
11	Power and Control (PC)	5	3	4	60.00	80.00	12.67
12	Structural Engineering (SE)	7	5	5	71.43	71.43	6.54
Total		156	119	130	76.28	82.69	13.80

The recruiting firms from the IT/software sector led the list, comprising 40% of the total placements, followed by analytics/consulting at 9%. Education and EdTech sectors each contributed 10% and 7%, respectively. Core engineering and FinTech firms accounted for 7% and 8%, respectively, while E-commerce and manufacturing sectors each represented 8% and 5%. Research and development constituted 3%, with the remaining 7% categorized under various other sectors.

Sector wise graph

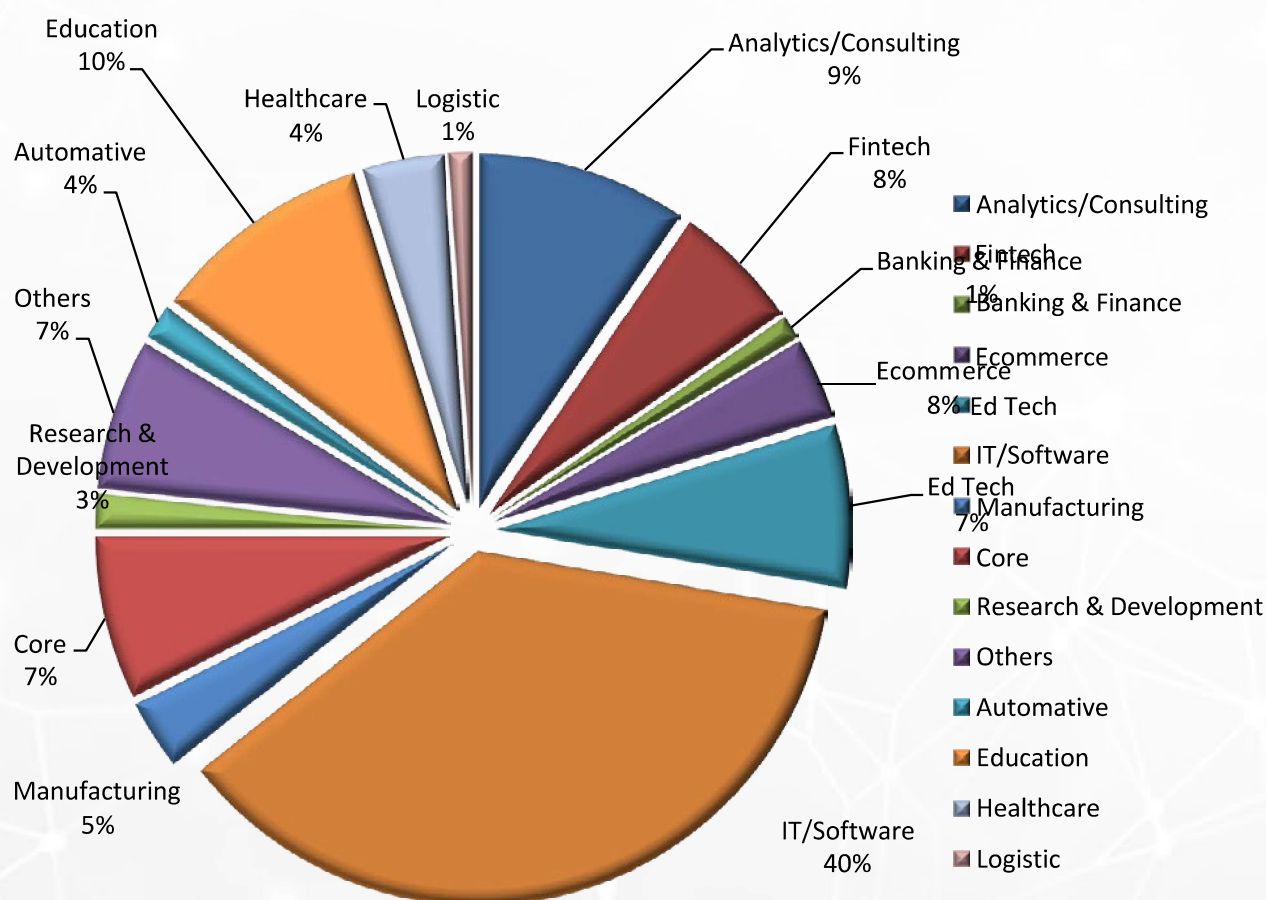


Figure 3: Sector-wise distribution of the major recruiting firms in the 2023-24 session

This season, an impressive array of around 20 new companies including Ansys, CloudBashTechnologies, Electrodrive PowertrainSolutions, FNZIndia, FYNDNA TechCorp, KimbalTechnologies, Lemongrass, Practo technologies, Realization Technologies, SWITCH MobilityAutomotive Limited, TensorGo Software, VE Commercial Vehicles (VECV) etc, made theirdebutincampusrecruitment atIITPatna.

The offered job profiles spanned a diverse spectrum, including roles such as software engineer, hardware engineer, application engineer, product engineer, data scientist, digital consultant, analyst, machine learning engineer, digital engineer, decision analyst, consulting management trainee, GET, PGET, among others.

The season's top recruiters featured renowned names such as Google, Oracle, Adobe, Atlassian, Optum, DE Shaw, Uber, Paytm, Zomato, PI Industries, Adani, Texas Instruments, Qualcomm, Amazon, NXP, Intel, Bosch, and more. In addition, prominent PSUs including BPCL, HPCL, Mecon, EIL, CDOT, and CDAC also actively recruited students from the batch of 2024, further enriching the diversity and opportunities available to graduates.

5. INCUBATION CENTER

1. Introduction

Objective: Promote innovation and entrepreneurship among students, faculty and other innovators with the aim to identify, nurture and translate technology ideas and innovation in the broad area of Electronics System Design and Manufacturing (ESDM) with a focus on Medical Electronics.

Aims: Excellence in technology business incubation in the ESDM and Medical Electronics sector and to act as a launching pad for many successful ventures while promoting the culture of innovation and entrepreneurship in the institute, the state of Bihar and Eastern part of the country.

The first steps:

2014: Proposal & Approval

- » IITP proposal to establish incubator in ESDM & Medical electronics
- » MeitY & IT Dept, Govt of Bihar collaborated
- » Approval for total project outlay of INR 47.10 Cr.

2015: Ground work

- » Non-profit society registration
- » Constitution of Governing board with experts from industry, investors & academia
- » Initiation of infrastructure set up

2016: Start of Incubation

- » Established policies and processes & recruited staff
- » Set up state of the art laboratories
- » Companies onboarded and incubation activities commenced

2. Snapshot of Progress on Key Project Milestones

Project Mandate	Status
Creation of society, organizational structure, policies and procedures	» Society registered, MC formed, Project Evaluation Team (to select, monitor and recommend funding startups) set up, incubation policies and procedures are in place
Equip Incubatees with world class infrastructure for ESDM product development – Labs	» Design, PCB & Product Prototyping Lab fully functional. Capacity has been added in Design, PCB fabrication and product prototyping labs. » Micro nano fabrication lab: Civil part complete, Contract awarded, Detailed Design approved, Set up expected to complete in FY 22-23

Project Mandate	Status
Equip Incubatees with world class infrastructure - 3000 Sq Mtr Dedicated Facility	» Completed , Building inaugurated on 19 th September 2020 and is under use since FY 21-22 . Facility can accommodate 110 incubatee members, in addition to various labs, meeting facilities and other amenities in a landscaped compound
Techno Business Mentorship	» Mentor Pool and regular mentoring in place; Expansion ongoing. <ul style="list-style-type: none"> • Technical/Product mentors: 25; Business Mentors: 10 • Investmet Mentors: 4; Domain mentors in MedTech: 7
Support 50 Companies	» 78 Companies supported under its incubation as well as preincubation programs out of which 65 were supported under Incubation Program (More than 50% companies are from Bihar).
Support to companies on product development and commercialization	» Dedicated team of 11 to support incubatees (1 Mgr, 1 Asst Mgr, 4 Tech, 5 Ops) under the guidance of PIC and Management Committee; <ul style="list-style-type: none"> » Service provider access for micro machining, market and valuation analysis, components supply, financial/ legal / IP etc
Eco System Creation	Close collaboration with ecosystem partners; Expansion ongoing. <ul style="list-style-type: none"> » Bihar Govt stakeholders: Dpts of IT, Industries, DST » Govt stakeholders: MeitY, DST, MSME, MSME NSSH » Educational stakeholders: AIIMS Patna, Biodesign centre AIIMS Delhi, NEILIT Patna, State Eng Colleges » Incubators: BIA, SINE IITB, Venture Centre Pune, SIIC IITK (IC is a member of ISBA) » Investor Networks: IAN, Venture Catalyst, Hyderabad Angels » Hospitals: AIIMS Patna;
IP Creation	» 20 Patents filed by Incubated companies, 5 Granted.
Employment Generation	» 150+ People directly employed by Incubatees (excl founders)
Market entry	» 22 Companies in the market, 2 companies are doing multi crore business and a few others are around 0.5 Cr of revenues.

2.1 Incubation Program Overview and Progress

- » Program duration is one year (extensible up-to 2 years based on performance and need)
- » Business proposals sourced through national call for proposals/ startup portal of Bihar Udyog Vibhag
- » Project Evaluation Team (with experts from medical, technology, entrepreneurship and investment areas) scrutinize the proposals and selects companies. 6+ evaluation cycles are done annually.
- » Companies are supported with office space, lab access, mentorship, ecosystem connects. Rs 10 Lakhs seed fund is provided to companies selected through national calls. Rs 10 Lakhs of seed softloan is available to companies onboarded under Bihar Startup Policy.
- » Physical and virtual incubation are offered. Virtual incubation do not include office access
- » 22 companies entered the market so far. 4Mirrotech Innovative, one of the early incubatees has seen significant growth and secured large industrial clients and multi crore orders.
- » A few other companies have been able to generate significant revenues. Some of the companies are progressing well in their product development. IC will see more success stories in the year to come.

Progress made by some of the incubated companies at ICIITP

1. Bionic Hope Private Ltd, the first incubatee of IC has won National Startup Awards 2021 in the Medical devices – Health and Wellness category, for developing an active upper limb prosthesis (as shown in Figure 1). Company also secured BIRAC grant of 43.40 lacs under IIPME scheme and additional investments.



Fig 1 : Active Prosthetic hand

2. 4Mirrortech Innovative, with 'Aura' - its smart facility management suite of products (Figure 1), has made a major breakthrough and secured a pan India multi crore order from an industry leading telecom company.
3. Amjad Ali Health Care has entered the market with an innovative telemedicine platform branded as OMED (as shown in Figure 3). This service integrated telemedicine platform along with its "Bike Doc" a portable telemedicine application kit, are in the market and is gaining good traction amid Covid Pandemic



Fig 2 : Smart Facility Product

4. BigOHealth, a healthcare access facilitating company has shown significant acceptance among rural and semi urban population in some districts in Bihar and have served more than 8000 Covid patients with teleconsultations, oxygen and hospital availability.
5. Kingshahi innovations has developed a WHO guidelines complied, lower cost, highly effective full body sanitization solution for limiting contamination in sterile areas. Testing at AIIMS Patna showed promising results. Product is ready for launched



Fig 3 : Telemedicine Platform

6. Sybilline is working on developing an automated floor cleaning robot.
7. Smartway Electronics have developed integrated IoT based pulse oximeter cum infrared thermo meter.
8. MedicFibre has developed patent filed technology for antimicrobial for treatment of hospital textiles
9. Scraptechies company has developed a counter drone system for defence and security applications
10. Saptkrishi developed a solar powered low cost vegetable/fruit storage system that extend the life of vegetables upto 3 weeks, the company have received climate solver award from WWF.

2.2 Pre-Incubation Programs Overview and Progress

IC Pre-incubation program: This 3month (extensible up-to 6 months) program is aimed at helping start-up teams refine their business plans. In the last couple of years, 13+ teams were supported and a few were selected for regular Incubation based on progress.

DST Nidhi Prayas : IC has been selected as the first 'Prayas Centre' in Bihar by Department of Science and technology, Govt of India, to implement its flagship prototyping support scheme "NIDHI-Prayas". This 12-18 month program is aimed at helping start-up teams refine their business plans. In the last couple of years, 13+ teams were supported and a few were selected for

regular Incubation based on progress. 11 teams are being supported under this scheme, with a financial assistance of upto Rs 10 Lakhs, to develop their technology from a PoC stage to Working Prototype level so that the team can pursue commercialization subsequently.

DST Nidhi EIR: IC has been selected as the first 'EIR' Centre in Bihar by Department of Science and technology, Govt of India, to implement its entrepreneur development scheme "NIDHI-EIR". This is a 12 month fellowship program aimed at helping start-up aspirants to explore and refine their business plans. 6 aspiring entrepreneurs are presently being supported with a monthly fellowship of Rs 30,000 to develop their business plans and pursue commercialization subsequently.

2.3 Facilities and Support Provided at IC

IC has set up dedicated 30,000 sq ft facility (Figure) which will accommodate 110+ people (incubatees and staff), labs, clean room, meeting and conference facility, cafeteria, library, recreation facility and a 4-room guest house inaugurated by Dy CM, Govt of Bihar.

ESDM Labs: IC, being focussed on ESDM and Medical Electronics has set up state of the art laboratories that will help the incubated companies to move from Concept to Product Prototype in house. IC has set up the following labs to achieve this:



Fig 4.: 30,000 Sq Ft Permanent Facility

- » Electronic System Design and Prototype Lab with design software, electronic components, micro controller based rapid prototyping kits and electronic work bench set up for design and initial prototyping.
- » PCB Design and Manufacturing Lab (Figure 5) helps the incubated companies to implement their hardware at board level with the help of sophisticated machines for milling, drilling, routing, rubout, through hole plating, component pick and place, soldering, masking and lithography. PCBs up to 8 layers can be fabricated.



Fig 5.: PCB Fabrication Lab

- » Testing and Calibration Lab (Figure 6) enables the characterization of PCB prototypes using advanced oscilloscopes, Function Generator, RSA, Logic Analyser, source meter and the like



Fig 6 :Testing & Calibration Lab

- » Mechanical Packaging and Product Prototype Lab (Figure 7) enables the prototyping of form factor, enclosure designs and parts using 3D multi-material 3D printers and software.
- » RF DC Sputtering unit was installed as part of micro nano fabrication facility, for those companies who would like to work on sensors and mems level fabrication.

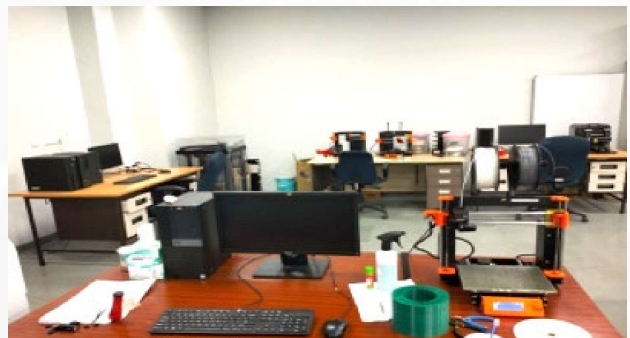


Fig 7 :Mechanical Packaging Lab

In addition, airconditioned work space (~100) with professional grade furniture, computers and internet connectivity; guidance by angels, successful CEOs, doctors, IIT Professors and IC administration on topics including technology, pricing, marketing, developing effective business process, IPR Strategy etc; training programs on regulatory compliances, product design, marketing, IP etc; and **Funding support** Upto 10 Lakhs are also provided to companies

2.4 Progress in development of key ecosystem partnerships

Partner	Contribution / Involvement
Dept of IT, Govt of Bihar	» Funding for permanent facility, clean room, seed fund » Proposal is submitted to them for additional seed funding and hostel facility
Dept of Industries, Govt of Bihar	» Sourcing of business proposals » Incubator support (Rs 2 Lakhs per supported company) under the scheme » Seed fund support to the company upto 10 Lakhs as softloan » Entrepreneurship training programs under various schemes » IC and BIADA, an agency of Dept of Industries collaborated to set up Zero Lab at Patna to handhold aspiring entrepreneurs and to conduct awareness programs
MeitY, Govt of India	» Project review and steering » Funding for operations, equipment and infrastructure
DST, Govt of India	» Recognising IC as a TBI so as to hold equity and avail CSR funding. » Grant Support for prototyping under NIDHI Prayas scheme, upto Rs 10 Lakh » Fellowship Support of Rs 30K under NIDHI EIR scheme
MSME, Govt of India	» Recognised IIT Patna as a HI for supporting MSME through incubators
AIIMS Patna, Bio design centre AIIMS Delhi, ISIC Delhi (in discussion)	» Medical domain mentoring support » User requirement validation » Testing and validation of medical devices
MSME NSSH, Govt of India	» Funding for entrepreneurship, product development and training programs under National SC ST Hub scheme;
NEILIT Patna	» Training collaborations (mutual) » Provides trained manpower/interns for IC companies
Indian Angel Network	» Part of board, evaluation panel and regular mentorship
CII, ISBA	» CII: Part of Board, supports in IP training programs, industry connect » ISBA : Connect with other incubators, competency building and advisory

2.5 Training, outreach and marketing

Training Programs: IC conducts training programs (for Industries Dept Bihar, MSME NSSH and on its own) of 2 Hrs to 2 weeks duration. Entrepreneurship development programs and product development workshops also receive excellent reception. IC organizes targeted training programs specifically for incubated companies and larger scale awareness programs for IP, Compliances, Funding etc for larger audience. IC has served 1500+ participants through its training programs since inception.

ICIITP organized various events for startups (Figure 9) and ESDM enthusiasts.



Fig 8 : Medtech School

Event Participation: IC actively participates in events such as Convergence Expo and Smart City Expo held at Delhi in March 2022 which saw huge participation from research organizations from across the country and startup and student community. IC conducted a national level pitching competition that attracted registration of nearly 100 startups.

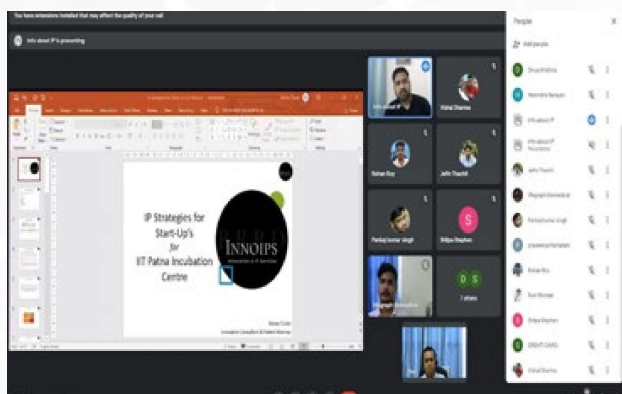


Fig 9 : Training Programs

Zero Lab: IC has partnered with BIADA, an agency for Department of Industries, Govt of Bihar for promoting entrepreneurship in the state. IC is the execution partner whereas BIADA is providing financial assistance and premises to house the facility. The facility is first of its kind in Bihar and is mandated to organize awareness sessions,

master classes, workshops, boot camps (Figure 10) and handholding to aspiring entrepreneurs in getting ready for commercialization and is expected to boost state's efforts to emerge as a vibrant startup ecosystem.



Fig 10 : Zero Lab boot camp

Media Coverage: ICITP has been promoting itself through various medial channels. IC created excellent coverage in national and state level print media (both English and Hindi) such as Hindustan Times, Times of India, Hindustan, Dainik Bhaskar, Dainik Jagaran etc and visual media including DD. All events and programs are reported in the print media on a regular basis. Media houses also report on various incubated companies and their progress.

CENTRAL LIBRARY (2023-2024)

The Central Library of IIT Patna has become an advanced library in a very short span of time. It has acquired an extensive collection of books and e-journals and provides excellent services to its users. Central Library caters to the information needs of its highly demanding faculty members, research scholars, students as well as staff of the Institute by offering a wide range of knowledge-based (and value-added) services and products. The Central Library, IIT Patna has a collection of 24,319 print resources to date. All print resources are RFID tagged and duly processed before use or circulation. Within this period, Central Library has also subscribed to various e-resources in the form of full-text e-journals and e-books to disseminate the requirements of the users. All e-resources are accessible to all users from outside the campus. Being a core member of the ESodh Sindu Consortium Central Library is also getting access to various e-resources from the consortium.

Central Library has been subscribing to about 50 e-resources (Online Journals & Databases) packages and added more than 2500 titles of e-books to different publishers like Elsevier and Wiley in total, which facilitates various knowledge-based needs of the users. Central Library has also procured many books in the Hindi language. The Central Library has also procured a few popular magazines and eight daily newspapers in English and Hindi languages. Central Library has been regularly updating its e-resources to the NDLI platform. Central Library has been regularly uploading the Ph.D. thesis to the Sodhganga repository of INFLIBNET. All information regarding the resources and services of the Central Library is available on the website <http://library.iitp.ac.in>

Research & Development Activities at IIT Patna

MOUs with Other Institutions

SI No	Name of Originator/ Principal Investigator	Dept	Type of Document- Mou/ Research Agreement/ Nda	Purpose of Agreement/MoU	Name of Party
1	Dr. Subrata Hait	CEE	Agreement	To collaborate in the areas as specified in the schedules attached herto that may be executed between the parties from time to time bduring the subsistence of the agreement.	Tata Steel Limited, Mumbai
2	Dr. Neeladri Das	Chemistry	MOU	Both the parties agree to establish a program of exchange and collaboration on related matters of mutual interesrt that may emerge over time	CSIR- IICT Hyderabad
3	Dr. Jimson Mathew	CSE	MOU	Development of Radiomics and Artificial Intelligence Augmented Imaging Biomarkers and Computer Aided Tool for prediction of Stroke Evolution	Sree Chitra Tirunal Institute for Medical Science and Technology
4	Dr. Anup Kumar Keshri	MME	NDA	Confidential Information related NDA (Unilateral Supplier Non Disclosure Agreement)	Applied Materials INC
5	Dr. Amit Kumar Verma	CEE	MOU	Joint Supervision of PHD research, PG students, joint research group etc.	Panigrahi Mining Research and consultancy pvt. Ltd.
6	Dr. Ranjan Kumar Behera	EE	MOU	The plan and term of work to be carried out within the framework of the project, as well as the diribution of work on the project between Russian and Indian research teams will correspond to the applications approved for funding	Federral State Budgetary Educational Institution of Higher Education" Kazan State Power Engineering University"
7	Dr. Abhishek Raj	ME	MOU	MOU constitute the entire understanding of the parties with respect to the subject contained herein and supersedes all prior negotiation, discussions and understanding between parties concerning such subject matter.	Higher Education Finacing Agency (HEFA)

Sl No	Name of Originator/ Principal Investigator	Dept	Type of Document- Mou/ Research Agreement/ Nda	Purpose of Agreement/MoU	Name of Party
8	Dr. SK Parida	EE	MOU	For knowledge sharing and capacity building in the concern areas	Eastern Regional Load Despatch Centre
9	Dr. Sriparna Saha	CSE	Agreement	Enhancing multi-modal recommendation system for online video recommendation (Phase-04)	Sony Research India Pvt. Ltd
10	Dr. Anup Kumar Keshri	MME	MOU	MOU broadly covers the understanding between the parties hereto for various arrangements of the collaborative research, open innovation and testing nature by entering into separate agreements/terms.	M/s. Danfoss Technologies Pvt. Ltd.
11	Dr. Anup Kumar Keshri	MME	NDA	MOU broadly covers the understanding between the parties hereto for various arrangements of the collaborative research, open innovation and testing nature by entering into separate agreements/terms.	M/s. Danfoss Technologies Pvt. Ltd.
12	Dr. Sushant Kumar	CBE	MOU	Each party has agreed to disclose confidential information to the other party for the specified purpose, subject to the terms and condition of the agreement.	Curting University
13	Dr. Joydeep Chandra	CSE	MOU	Collaborative work in the areas of Biomedical research, research methodology and statistical analysis	ESIC-Medical College and Hospital
14	Dr. Jawar Singh	EE	MOU	To develop a quantum lab within IIT Patna jointly with a Synergy Quantum India Pvt. Ltd.	Synergy Quantum India Pvt. Ltd.
15	Dr. Raju Halder	CSE	MOU	To design and intended to state that the parties wish to cooperate in FinTech and research and each party's contribution	IIT Bhilai Innovation and Technology Foundation
16	Dr. Dinesh Kr. Kotnees and Dr. Tamoghna Chakraborty	MME	Agreement	Cold sintering of ceramics in the presence and absence of polymers (hereinafter referred to as the PROJECT) from the Industrial Ceramics segment of CUMI	Carborandum Universal Limited (CUMI)
17	Dr. Karali Patra and Dr. Somnath Sarangi	ME	Agreement	Research leadership, Adhering rigorously to the standard set fourth by Industry, Identifying technological gap for Industry 4.0 Integration etc.	Orna24 Industries Pvt. Ltd. and IIT Patna and Central Manufacturing Technology Institute, Mysore
18	Prof. Preetam Kumar, Dept. of EE	EE	Agreement	To collaborate for promotion of research and education as part of industry academia partnership, to provide practical research and development topics to the students of institute.	Samsung R&D Institute India-Bangalore Private Limited

Sl No	Name of Originator/ Principal Investigator	Dept	Type of Document- Mou/ Research Agreement/ Nda	Purpose of Agreement/MoU	Name of Party
19	Dr. Amit Kumar Singh, Dept. of EE	EE	MOU	To develop and experimentally demonstrate terahertz (THZ) communication technologies	SAMEER, Kolkata
20	Dr. Anup Kumar Keshri	MME	MOU	To work jointly to carry out project in the mentioned items in agreement for developing products with with specific objectives	TVS Advance Material Pvt. Ltd.
21	Dr. Anup Kumar Keshri	MME	NDA	The parties intend to engage in discussions concerning development of Bilayer Graphene Composites	TVS Advance Material Pvt. Ltd.
22	Directorate	Directorate	NDA	The parties seek to explore the potential of business relationship and collaboration in the area of healthcare	Bravo Pharmaceuticals
23	Dr. Suraj Suman	EE	MOU	To build competencies and engagement in 5G technologies in students and academic fraternity	Telecommunication Consultant India Limited
24	Dr. Amit Kumar Verma	CEE	MOU	Parties agrees to form joint venture to provide the services for Geological investigation, Geophysical Investigation, Geotechnical Investigation and sub-soil Exploration, Bio-Engineering and slope stability assessment.	Excelling Geo and Engineering Consultant Pvt. Ltd.
25	Dr. Ranjan Kumar Behera	EE	MOU	Parties shall collaborate for investment in research and development of the innnovation being developed by the student, faculty and start-ups.	IIT Guwahati, TIDF
26	Prof. Preetam Kumar	EE	MOU	PRISM Program with IIT Patna	Samsung R&D Institute India-Bangalore Private Limited
27	Dr. Pradhi Rajeev	CEE	MOU	Emission Inventory, Meteorological Data Analysis, Ambient Air Quality Monitoring	Bihar State Pollution Control Board, Patna
28	Dr. Sushant Kumar	CBE	MOU	Research Project on Bench-scale ammonia production at reduced pressure and temperature using novel catalysts	Central Power Research Institute, Bangalore
29	Dr. Chandranath Adak	CSE	MOU	To cooperate in cyber security-related research	IHUB NTIHAC IIT Kanpur
30	Dr. Sriparna Saha	CSE	MNDA	To facilitate discussion of the project proposal. Subsequently, Samsung R&D may sponsor a project at IIT Patna under the supervision of Dr. Sriparna Saha	Samsung R&D Institute India-Bangalore Private Limited

List of Research Projects during 2020-2021

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
1	SRO-800	Dr. Arijit Mondal	Dr. Samrat Mondal	CSE	A Smart revenue optimization framework for on-demand scheduling & routing of heterogeneous Evs	IIT Bhilai Innovation Technology Foundation
2	CRA-810	Dr. Rishi Raj	Dr. Ajay D. Thakur	PHY	Collaboration for research activities on low global warming potential alternative chemicals to substances controlled under the Montreal Protocol.	Project Management Unit, Ozone Cell, Ministry of Environment, Forest and Climate Change, Govt. of India.
3	CAN-814	Dr. Sriparna Saha	NIL	CSE	Conversational Agents with Negotiation and Influencing ability (S)	Accenture Pvt Limited
4	RAD-816	Dr. Priyanka Tripathi	NIL	HSS	Responding Artistic Diversity:nChampion of Art a Culture	ICSSR
5	ULJ-817	Dr. Yatendra K Singh	Kailash Chandra Ray	EE	Ultra Low Jitter, Low Spur and Low Power Frequency Synthesizers for High Speed Data Converters, Wi-Fi 7, 5G and beyond Communication Systems	SERB
6	PMD-820	Dr. Abhishek Raj	Prof . Manabendra Pathak and Dr. Udit Satija	ME	Portable Microfluidic Device For Onsite Diagnose Of Traumatic Brain Injuries	ICMR
7	WEE-825	Dr. Papia Raj	Dr. Aditya Raj	HSS	Working Efficiency and Effectiveness of Women Police Personnel in Bihar	National Commission For Women
8	CEA-826	Dr. Aditya Raj	NA	HSS	Community Education and Importance of Network Stars	ICSSR New Delhi
9	AHS-827	Dr. Papia Raj	NA	HSS	Analysing The Health Status of Transgender Community in Patna Bihar	ICSSR New Delhi
10	MBM-830	Dr. Somnath Sarangi	NA	ME	Micromechanics Based Model of Polymeric Electro-Magneto Active Material	SERB-DST-Core Research Grant
11	FCS-837	Head Department of Chemistry, Ex-Officio	Prof. Md. Lokman Hakim Choudhury & Dr. Debabrata Seth and dr. Debajit Sarma	CHEMISTRY	First Chemical Sciences Level B, C or D-Project	Department of Sciences & Technology, Technology Bhawan, New Delhi

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
12	SJC-843	Dr. Rajendra N. Paramanik	Dr. Sriparna Saha	HSS	Signal Jamming and Central bank communications: Do experts Mislead the Market	SERB- DST
13	FES-847	Head Department of EE, Ex-Officio	Dr. Pramod K. Tiwari, Dr. Sudhir Kumar, Prof. Jawar Singh, Dr. S.K. Pandey and Dr. Rajib Kumar Jha	EE	FIST Engineering Sciences Level B C or D - Project(2)	Ministry of Sciences & Technology and DST
14	MSR-848	Dr. Udit Satija	NA	EE	Malicious Drone Identification System Based on Radio - Frequency (RF) Fingerprints	SERB
15	SAI-851	HEAD SAIF	NIL	SAIF	Sophisticated Analytical Instrument Facility (SAIF), Indian Institute of Technology, Patna, Bihar-Release of capital grant recommendation during year 2021-2022	DST
16	UEE-855	Dr. Subrata Hait	NIL	CEE	Upcaling Enzymatic Bio-Fenton Process for Selective Metal Recovery from Spent LIBs for Circular Economy	Tata Steel Ltd. Jamshedpur -831001
17	CSR-856	Dr. A.K Verma	NIL	CEE	CSR	NHIDC
18	RBC-858	Dr. Dinesh Kumar Kotnees	Dr. Rakesh Kumar (CUSB, GAYA) Dr. Lakshminarayanan Ragupathy (HLL Lifecare Ltd. Kerala)	MME	Realizing the Enhancement of Interfacial Interaction in Rubber Latex/ Bacterial Cellulose Nanocomposites Via Covalent Conjugation for Superior Properties - A Scientific Approach Scalability and Commercialization	SERB
19	DAE-861	Dr. Atul Thakur	Dr. Mayank Tiwari	ME	Development of Affordable Ergonomic Exoskeleton for Ameliorating Manual Work for Improving Safety and Dignity	Ministry of Education
20	ISE-865	Dr. Sweta Sinha	Prof Smriti Singh	HSS	Investigating the Socio-Cognitive Effect of Gender Stereotyping in the Linguistic landscape and its impact on the Balance of Opportunities: a Mixed Methods and Multi-Model Study of Technical Educational Institutions of Eastern India	Indian Council of Social Science Research (MoE) JNU Institutional Area, Aruna Asaf Ali Marg, New Delhi-110067

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
21	DAF-867	Dr. Ranjan Kumar Behera	Dr. S. Sivasubramani Dr. Saurabh Kumar Pandey	EE	Design and Development of Axial Flux in-Wheel H Motor Electric Scooter for E-Mobility	Department of Sciences & Technology, Ministry of Science Technology
22	BCP-868	Dr. Anirban Chowdhury	NIL	MME	Mg ₂ TiO ₄ Based Microwave Ceramics: Correlations of Dielectric Properties with Structure, Phase and Sintering parameters	Council of Scientific and Industrial Research (CSIR) CSIR Complex, PUSA, New Delhi-110012
23	NEE-871	Dr. Anirban Mahato	NIL	ME	A Novel Energy Efficient Rotating Tip Cutting Tool (RTCT) For Difficult-To-Cut Materials	DST
24	DMA-872	Dr. Priyanka Tripathi	Prof. Nirmala Menon, IIT Indore Prof. Abhishek Shrivastava, IIT Indore	HSS	Digitizing Madhubani: Archiving the Socio-Cultural History of Bihar	JPN College, IIT Indore
25	RQC-881	Dr Utpal Roy	NIL	Physics	Realistic Exact Model for Quantum logic Gates & Quantum Computation Using Bose-Einstein Condensate	SERB
26	FMS-883	HoD Math	NIL	Mathematics	First Mathematical Sciences Level C Project	Technology Development Board, Department of Science and Technology
27	PRE-894	Dr. Sushant Kumar	NIL	CBE	Photoelectrochemical Co ₂ Reduction at plasmonic Nanostructured Mxene-Based Electrodes	CSIR,EMR-II, CSIR Complex, Pusa, New Delhi-110012
28	SES-895	Dr. Meghna Dutta	Dr. Richa Chaudhary	HSS	Studying the effectiveness of Sukanya Samriddhi Yojna: an assessment of Bihar, Uttar Pradesh, Jharkhand and West Bengal	ICSSR
29	PLP-896	Dr. Priyanka Tripathi	Dr. Om Prakash Dwivedi, AURO University Prof. Janet M Wilson, Univ. of Northampton UK	HSS	Precarious Lives, Postcolonial Fiction and the Anthropocene	SPARC
30	IPR-897	Dr. Nalin Bharti	NIL	HSS	IPR Chair Establishing at IIT Patna	Ministry of Commerce & Industry

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
31	RIC-898	Dr. Richa Chaudhary (Prof. Namje Cho, Hanyang University South Korea)	Prof. Santosh Rangnekar, IIT Roorkee Prof. Gyeong Min Kim, EWha Woman University, South Korea	HSS	Role of Information and Communication Technologies (ICTs) in Empowering Woman Entrepreneurs in micro, small and medium enterprises (MSMEs) sector in Bihar	SPARC
32	AGD-902	Dr. Priyanka Tripathi	NIL	HSS	Archiving Gender Inclusivity: Documenting the Female Deities of the Janjatis from Select States of the Gangetic Belt	ICSSR
33	BSD-906	Dr. Rajiv Misra Dr. Arijit Roy	Prof. T.N.Singh	CSE	Facilitating adoption of IOT-Edge and AI based Technologies for Natural Disaster Management in Bihar	Bihar State Disaster Management Authority (BSDMA), Bihar Govt.
34	MEM-908	Dr. Kailash Chandra Ray	Dr. Yatendra Kumar Singh	EE	ML Enabled RISC-V Based I - LoRa SOC for Forest Event Monitoring	Meity
35	HCR-909	Dr. Kumari Saloni	NIL	MATH	Hilbert Coefficients and Reduction Number of Ideals: Pathways to Characterize Some Properties of Associated Graded Rings	SERB
36	SEE-910	Dr. Rajendra N. Paramanik	NIL	HSS	A Socio- Economic Evaluation of the Impact of PM- JAY Program on Minimizing Out- of - Pocket Health Expenditure Among Poor Households in Bihar	ICSSR
37	TDD-914	Dr. Kuldip Singh Patel	Dr. Anindya Goswami, IISER, PUNE	MATH	Theoretical and data driven fair pricing of American style exotic options in regime switching model and computations	NBHM
38	EID-915	Dr. Aditya Raj	Dr. Papia Raj	HSS	Educational Interventions for Development in Bihar, India	SPARC
39	HER-921	Dr. vishal Deshpande	Dr. Amit Kumar Dubey, SAC, ISRO, Ahmedabad	CEE	Hydrological experiment and river discharge modeling for SWOT and Sentinel-3A/B missions: Lower Ganga and Kosi River(under SARITA Programme)	Space Applications Centre, ISRO, Ahmedabad

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
40	AHH-927	Dr. Ashwani Assam	NIL	ME	Advancing Hypersonic Heating Computation with Accurate and Shock-Stable Numerical Approach	SERB
41	RAE-928	Dr. Ramakrishna Bag	Dr. Mayank Agarwal	CEE	Reliability analysis of Energy Pile as renewable energy resource using AI/ML	TIH, IIT Kharagpur
42	STI-934	Prof. Naveen Kumar Nishchal	Dr. Venkat R. Dantham	Physics	Study of Transport of Intensity Equation Technique for Quantitative Phase Imaging	CSIR
43	PBM-935	Dr. Abhishek Raj	NIL	ME	Poroelasticity-Based Modelling of Blood Cell Migration Through Stenosed Arteries	HEFA
44	CVA-936	Dr. Priyanka Gupta	NIL	CBE	Conversion of Co ₂ to Value-Added Chemicals in Microbial Electrosynthesis System Using Novel Z- Scheme and MOF Based Electrode	Ministry of Science & Technology, Department of Science & Technology, Government of India (Faculty Registration No: IFA22-ENG345)
45	USH-937	Dr. Ajay Kumar Kalyani	Dr. Surendra Kumar Makineni	MME	Ultrahigh Strain and High Curie Point Lead-free Piezoceramics for Next - Generation Actuator Application	CSIR
46	DMS-939	Dr. Vaibhav Singhal	NIL	CEE	Development of Methodology for the Strengthening of Reinforced Brick (RB) Slabs in Old Masonry Buildings	SERB
47	LMG-940	Dr. Vaibhav Singhal	NIL	CEE	Low - Cost Metallic Grouted Anchors for Strengthening Masonry Structures	DST
48	TOA-941	Dr. Amit Kumar Singh	NIL	EE	6G: THz Test Bed with Orbital Angular Momentum and Multiplexing	Department of Telecommunications, Ministry of Communications, Government of India
49	MIC-951	Dr. Arvind Kumar Jha	NIL	EE	Microbially Induced Calcite Plugging to Develop Fly Ash-Geotextile Liner in Municipal Landfills	Scheme for Transformational and Advanced Research in Sciences (STARS) Indian Institute of Science, CV Raman Road, Bengaluru, Karnataka 560012

SI No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
50	HFA-956	Dr. Sunil Kumar Singh	NIL	ME	Hygrothermal Fracture Analysis of CFRP Composites for Aerospace Applications	SERB
51	DPI-969	Dr. Satendra Kumar	NIL	CSE	Development and Prototype Implementation of Energy-Efficient Cooperative Content Delivery for Beyond 5G Networks	SERB
52	MRF-972	Dr. Chiranjit Sarkar	NIL	ME	Magneto - Rheological (MR) Flow Implementation in a Bearing: Experimental and Numerical Study	SERB
53	EBS-973	Prof. Mayank Tiwari	NIL	ME	Establishing BIS, Standarization Chair Professorship	BIS, National Standards Body of India Headquarters at "Manak Bhavan Bahadur, Bahadur Shah Zafar Marg, New Delhi -110002
54	DLS-986	Dr. A. K. Verma	Dr. Arvind Kumar Jha	CEE	Development of Laboratory Scale Bio-Grout Technology Landslide Mitigation	SERB
55	EGG-992	Dr. Richa Chaudhary	NIL	HSS	Eliminating gender gap in entrepreneurial success: A study on entrepreneurial ecosystem from Bihar, Jharkhand, and Uttar Pradesh	ICSSR
56	DIT-993	Dr. Suraj Suman	NIL	EE	Design of Intelligent Tactile Internet System for Post 5G Era	SERB
57	CLA-997	Dr. Chandra Shekhar Prajapati	NIL	Physics	Colloidal Lithography assisted nanostructures fabrication of Metal-oxides to Develop gas sensor for Co ₂ , NO ₂ , NH ₃ , H ₂ S & CO air Pollutants	SERB
58	SHG-998	Dr. Sushant Kumar	Mr. N. Murugesan Dr. R. Ganesan	CBE	Sustainable hydrogen generation and subsequent storage in ultrafine Mg-rich alloy towards hydrogen mitigation for cold trap regeneration	BRNS, DAE
59	MMH-999	Dr. Meghna Dutta	NIL	HSS	Modelling Maternal Healthcare Seeking Behaviour in response to Conditional Cash Transfer: evidence from a Regression Discontinuity Design	SERB-MATRICES

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
60	DSL-1000	Dr. Amit kumar Singh	NIL	EE	Design and Simulation of Luneburg Lens and Hemispherical Dielectric Lens Focal Planar array for simultaneous multiple beams	ISRO
61	AGS-1001	Dr. Amit Kumar	NIL	Chemistry	Application of Glycosylimides in the synthesis of glycomimetic molecules under visible light conditions	SERB
62	ECE-1002	Prof. T. N. Singh	Prof. Rajiv Misra Prof. Jawar Singh Dr. Pramod Kumar Tiwari	CEE	Establishing the Center of Excellence (COE) in Government Polytechnic Institutes, Bihar, Phase -2, FY 2023-24 & 2024-25	Department of Science Technology and Technical Education (DSTTE) (erstwhile DST) Government of Bihar)
63	DDS-1003	Dr. T. Rajagopala Rao	NIL	Chemistry	Nanodiabatic quantum reaction dynamics of nitrogen exchange reaction	SERB
64	FSD-1004	Dr. Koushik Roy	NIL	CEE	Feasibility of Stone Dust as Partial Replacement for Sand in the Concrete Mix and its Effect on Compressive Strenght and Thermal Conductivity	Hindustan Steelworks Construction Limited
65	DDN-1008	Dr. Jawar Singh	NIL	EE	Design and Development of Neuromorphic Quantum Computing Architectures for High Throughput and Energy Efficient Applications	SERB, DST
66	POL-1012	Dr. Richa Chaudhary	NIL	HSS	Predictors and outcomes of loneliness in the workplace: A Tme-Lagged Multi-Study investigation	SERB
67	MMC-1014	Dr. Anoop Kumar Gupta	NIL	CBE	Mathematical modelling on melting/solidification of composite phase change materials in local thermal non-equilibrium using Brinkmanextended Darcy-Forchheimer equation under simultaneous charging discharging conditions	SERB
68	LCG-1020	Dr. Anup Kumar Keshri	Dr. Shailesh Mani Pandey	MME	Low Cost Gram Scale High Quality & defect free Graphene by Scalable Plasma Spraying	DST

SI No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
69	CDS-1026	Dr. Debajit Sharma	NIL	Chemistry	Coordination Driven Soft Supramolecular Metallogel Functionalized with Active Metal Ions/Cluster for Efficient Heterogeneous Catalysis	SERB
70	CAW-1030	Dr. Asif Ekbal	NIL	CSE	Conversational Agents with Negotiation and Influencing ability	Accenture, Bangalore
71	DBL-1031	Dr. Anup Kumar Keshri	Prof. T.N Singh	MME	Development of Barrier layer Coating of refractory Metal/ Metal Carbide on Graphite Assembly for SiC Single Crystal Growth	DRDO
72	DOE-1033	Dr. Anoop Kumar Gupta	Dr. Atanu Kumar Metya	CBE	Development of an optimized and efficient lithium-ion battery thermal management system for electric vehicles utilizing phase change material and metal foam composites	SERB
73	DRF-1035	Dr. Nitin Dutt Chaturvedi	NIL	CBE	Development of data driven robust optimization for process system engineering	SERB
74	DDT-1036	Dr. Sushant Kumar	NIL	CBE	Design and Development of Novel Thermocatalysis for Selective CO ₂ Hydrogenation to Ethanol	SERB
75	CDA-1039	Dr. Sandip Khan	NIL	CBE	Coalescence Dynamics of Aqueous Droplet at Nanoscale: Insight from Molecular Simulation	SERB

List of Consultancies undertaken

SI No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
1	ISBT-799	Dr. S. Sivasubramani	NIL	EE	Third Party Inspection and Certification at ISBT Project Patna	M/s Shapoorji Pallomji And Company Pvt. Ltd.
2	TAI-801	Prof. T.N. Singh Dr. Vaibhav Singhal Dr. Arvind Kumar Jha	NIL	CEE	Technical Assessment of Infrastructural Works at NDRF Unit Bihta Patna	NDRF UNIT BIHTA

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
3	DHP-803	Dr. Chiranjit Sarkar	NIL	ME	Design of active hydro-pneumatic suspension and MR Dampers	SPM INDIA LIMITED
4	VMD-804	Dr. S. Sivasubramani	Dr. Mohd. Kaleem Khan, Dr. Subrata Hait and Dr. Om Prakash	EE	Vetting of MEP Drawings of RIO and NEPHRO Block in IGIMS, Patna(2)	Universal Contractors and Engineers Pvt. Ltd.
5	TES-805	Dr. Anirban Mahato	NIL	ME	Testing in SEM-EDS system(2)	Ajay Kumar PhD Scholar
6	SEM-806	Dr. Anirban Mahato	NIL	ME	Testing in SEM-EDS system(3)	Radhe Shyam Bhaskar
7	HSP-807	Prof. T. N. Singh	NIL	CEE	Hill slope protection and debris flow protection in steam/nallah on road Basoli-Bani-Bhanderwah of 69, RCC, 35, BRTF Project Sampark of BRO	Shri Darsi Prakash, EE(Civ),SW, For Commader Headquarters, 35 Boarder Task Force
8	ADP-808	Dr. Pradipta Chakrabortty and Dr. Ramakrishna Bag	NIL	CEE	Assessment of depth of each pile,checking healthiness and remedial measures (if required) for pile location No-562 & 564 of 400kV D/C (Quad) Patna-Saharsa transmission line at Ganga River crossing near Mahandrapur Village	Power Grid Corporation of India Limited, Patna
9	SIM-809	Prof. Preetam Kumar	NIL	EE	5G Simulator	Simnovus India Pvt. Ltd.
10	SCW-812	Dr. Ramakrishna Bag and Sourav Gur	NIL	CEE	Study on Continuous Welded Crane Rail	Tata Steel limited
11	EAU-815	Dr. Sanjoy Kumar Parida	Dr. Ranjan Kumar Behera and Dr. S. Sivasubramani	EE	Energy Audit at Ruban Hospital, Patna(2)	Ruban Memorial Hospital, Patna
12	DTH-818	Dr. Chiranjit Sarkar	NIL	ME	Dynamometer Test For Honda Activa, Hero Honda	Friction Tech Auto
13	IOF-819	Dr. Snehasis Daschakraborty	NIL	CHEMISTRY	Investigation on The Ording and Flidity of Pitch Precursor using Molecular Dynamics Simulation	Tata Steel
14	DSA-821	Prof. T N. Singh, Dr. Arvind Kumar Jha, Dr. Amarnath Hegde and Dr. Akshar Tripathi	NIL	CEE	Detail Study And Analysis Of Sinking Areas of Tura To Dalu Section Of NH 51 In The State Of Meghalaya	NHIDCL, PMU - TURA, Ministry Of Road Transport And Highways GOI

SI No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
15	RSV-822	Prof. T.N. Singh & Dr. Vaibhav Singhal	NIL	CEE	Recommendation on Strengthening of Viaduct No-03 and 06 For Inadequate Concrete Strength	Rani Construction Pvt. Ltd.(Yahsmita Infrastructure and Developer Pvt. Ltd.)
16	SST-823	Dr. Koushik Roy & Dr. Vaibhav Singhal	NIL	CEE	Structural Stability Test of skywalk Structure of Inter State Bus terminal (ISBT) Patna	Shapoorji Pallonji And Company Pvt. Ltd.
17	VSD-828	Dr. Koushik Roy	NA	CEE	Vetting of Structural Design For Construction of New Office Building for Muzaffarpur Municipal Corporation at Muzaffarpur, Bihar	Municipal Commissioner Muzaffarpur Municipal Corporation
18	TSS-831	Dr. Anirban Mahato	NA	ME	Testing in SEM-EDS System	NIT Patna
19	DTP-833	Dr. Baadiga Ramu	Dr. Amarnath Hegde	CEE	Determining the LCR of TGB80 Geogrid to be Used in Flexible Pavements	Suraj Builder India Pvt. Ltd.
20	SSM-834	Dr. A.K.Verma	Prof. T.N.Singh	CEE	Study of slope stability of mine benches at HSIIDC, Khanak Stone Mine	HSIIDC, Mine Site, Khanak
21	CTB-835	Dr. A.K.Verma	Prof. T.N.Singh	CEE	Creep Test for BARC Tarapur	Tata Projects Ltd. BARC Complex Tarapur
22	RSS-836	Prof. T.N.Singh	Dr. A.K.Verma	CEE	Review of slope stability, rock fall and debris flow at BagaBhalag Limestone and Shale Mines of Utratech Cement	RMB Consultant
23	PED-838	Dr. Sudhir Varma	NA	CEE	Performance Evaluation of macRebur in Dense Hot Asphalt Mix	Bitchem Asphalt Technologies Ltd, Assam
24	ERM-839	Prof. T.N.Singh & Dr. Vaibhav Singhal and Dr. Arvind Kumar Jha	NA	CEE	Expert Opinion for remedial Measures of RC Structures, Carried Out at Patna Airport (Vide E-mail, Date: february 22, 2023)	Jayprakash Narayan International Airport, Patna - 800014
25	QMB-840	Dr. Koushik Roy	NA	CEE	Quality Checking of Materials used in the Construction of the School Building and its Boundary Wall of Newly Built Kendriya Vidyalaya at Bettiah Bihar	Kendriya Vidyalaya Sangathan, Regional Office, P.O.: Lohia Nagar, Kankarbagh, Patna - 800020 (GST No. - 10PNK00421B1D9)
26	VSD-844	Dr. Amit Kumar Verma	Prof. T. N. Singh	CEE	Vetting of Design	Geospar, New Delhi

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
27	FTM-845	Dr. Baadiga Ramu	NA	CEE	Field testing of MIF of geosynthetic	TechFab India Pvt. Ltd.
28	TAG-846	Dr. Baadiga Ramu	NA	CEE	Testing and analysis of Geogrid for MIF and LCR	Shyam Tanna, Dineshchandra R. Agrawal Infracon Pvt. Ltd.(DRAIPL)
29	VDS-853	Dr. Subrata Hait Dr. Avik Samanta	Dr. Chiranjit Sarkar Dr. S. Sivasubramani	CEE	Vetting of Design and Drawings of 5 KLD SBR - Based STP for BEL Ghaziabad	Industry
30	JWU-862	Prof T. N. Singh	NIL	CEE	Preparation of DPR for Mini Auditorium, Smart Seminar Hall and Advanced Computer Lab of JWU	Jamshedpur Women's University
31	VDS-863	Dr. Kaushik Roy	Dr. Surajit Paul Dr. Sudhir Kumar	CEE	Vetting of the Design and drawings of hydraulic, Structural, Mechanical and Electrical Works at Phusro Nagar Panchayat, Bokaro District, Jharkhand	Annu Projects Private Limited, D-34, Harmu Housing Colony, Ranchi, Jharkhand-834002 (GST No. 20AAECA5258R1ZF)
32	TAB-864	Prof. T.N. Singh Dr. Vaibhav Singhal, Dr. Amit K Verma Dr. Arvind K Jha, Dr. Sourav Gur, Dr. Manoj K Yadav, Dr. Akshar Tripathy	NIL	CEE	Third Party Quality Audit Agency (TPQA) for Providing Services of Third Party Quality Control & Quality Assurance for Civil, Electrical & All Other MEP allied Works for Development of Additional Campus for NIT Patna on EPC Basis	NBCC India Limited
33	PCS-866	Prof Jawar Singh, Dr. Sudhir Kumar	Prof. Manabendra Pathak, Dr. Ramakrishna Bag	EE	Providing Proof Checking Services of MEP for Main Campus, Nalanda University, Rajgir	Sivanesa Krishna, M P&C Projcets (P) Ltd. Nalanda University Project, Rajgir, Bihar
34	DPS-869	Dr. Anup Kumar Keshri	NIL	MME	Development of Plasma Sprayed Nanocomposite Coatings for Replacement C Hard Chromium Coating with Enhanced Mechanical, Corrosion and Tribological Properties	Danfoss India
35	TDA-874	Dr. Vaibhav Singhal, Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Testing for Development of Additional Campus for NIT Patna Bihta	NBCC (India) Ltd.

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36	STA-875	Dr. Sudhir Varma	Dr. Ramakrishna Bag, Dr. Koshik Roy	CEE	State Technical Agency Consultancy Service for PMGSY Roads	National Rural Infrastructure Development Agency, Ministry of Rural Development, GoI
37	SSM-876	Dr. A.K Verma	Prof T.N Singh Dr. Sumeet S Geete	CEE	Scientific Study of FLYASH ACCOM in Mine	Sarda Energy & Minerals Limited, COAL MINE 1, Karwahi Open Cast Mines, Saraitola, Village Karwahi, Teh Tamnar, Raigarh (C.G)
38	VPC-877	Dr. Koushik Roy, Dr. Avik Samanata	NIL	CEE	Vetting/proof checking of fabrication/ shop drawing of Danapur storage Depot of 800 sqm.	Shree Construction
39	VCS-878	Prof. T.N.Singh, Dr. Vaibhav Singhal, Dr. Arvind Kumar Jha, Dr. Ramu Baadiga	NIL	CEE	Vetting of Construction sequence and pier general arrangement drawings of pier location CP143A & PP144 at Zeromile Flyover location Phase-I of Patna Metro	NCC Limited, Patna
40	TVD-879	Dr. Subrata Hait, Dr. Avik Samanta	NIL	CEE	Technical Vetting of Design and Drawings of 150 KLD and 500 KLD MBBR-based STPs at Maheshtala Municipality, West Bengal	Vishvaraj Environment Pvt. Ltd. West Bengal
41	PIS-880	Dr Manabendra Pathak	Dr. Mohd. Kaleem Khan, Dr. Anirban Bhattacharya, Dr. Anirban Mahato	ME	Pre-delivery inspection of segregation hand carts and Wheelbarrows to be supplied to Patna Nagar Nigam	Ghanshyam Engg. Inds. 9-Shrinagar SOC, ahmedabad, Gujrat-380014
42	HUA-882	Dr. Sushant Kumar	NIL	CBE	Hydrogen Storage in Alloys Using Sievert's Type Apparatus (Tseting and Analysis Report)	CSIR, indian Institute of Petroleum
43	TPC-884	Dr. Vaibhav Singhal, Dr. Sourav Gur, Dr. Avik Samanta, Dr. koushik Roy	NIL	CEE	Testing for Construction of Permanent Structures in Campus of SDRF, Bihta	Dipanshu Promoter and Builder Pvt. Ltd.
44	VDD-885	Dr. A.K Verma	Prof. T.N.Singh	CEE	Vetting of Design & Drawing of Slope Protection Work	Adih Infrastructure Pvt. Ltd.
45	VOD-886	Dr. A.K Verma	Prof. T.N.Singh	CEE	Vetting of Design	Bhaskram Jyotish Anusandhan Kendra

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46	DDR-887	Dr. A.K Verma	Prof. T.N.Singh	CEE	Design & Drawings of Rockfall Barrier	Maccaferi Infrastructure Pvt. Ltd. Ranjangaon Pune Maharashtra
47	VVS-888	Dr. A.K Verma	Prof. T.N.Singh	CEE	Vetting of Various Structures	Convolution Engineering Consultancy LLP (CEC) Gurgaon
48	VDC-891	Dr. M. Pathak	Dr. M.K Khan, Dr. S. Sivasubramani	ME	Vetting of Design/ Data Sheet and Drawings of Electro-Machanical Components of Munger STP, Bihar	Neercare India Pvt. Ltd. 724 DLF Tower A, Jasola New Delhi-110025
49	ARS-892	Dr. Pardipta Chakraborty, Dr. Ramakrishna Bag, Avik samanta	NIL	CEE	Assessment and Remedial Measures to be Taken for Damaged/ Failed Steel Girder Structure of Valve Hall at HVDC pusauli Substation of POWERGRID	Power Grid Corporation of India Limited, Patna
50	PCS-893	CSE HEAD	Other Faculties of CSE	CSE	Post Completion Inspection of Entire Component/ Testing Envisage for the ICCM-MSI Project Under Smart Cities Mission	Muzaffarpur Smart City Limited
51	SVD-899	Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Structural vetting of Drawings of Rajkiya Mahararni Rameshwari Bhartiya Chikitsa Vigyan Santhan, Sara Mohanpur, Darbhanga	Bihar Medical Services & Infrastructure Corporation Limited, Swasthya Bhawan, Patna- 800014
52	RBT-900	Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Structural vetting of Drawings of RBTS Homeopathic College, Muzaffarpur	Bihar Medical Services & Infrastructure Corporation Limited, Swasthya Bhawan, Patna- 800014
53	RDD-901	Prof T. N. Singh, Dr. Vaibhav Singhal	NIL	CEE	Report on Design and Drawing of Institutional Building at Plot No. 48/3 Knowledge Part III, Greater Noida (UP)	M/S Manviya Vaibhava Vikas Nyas, Bailey Road, Patna-801503, Bihar
54	STG-903	Dr. Arijit Roy	NIL	CSE	Simnovus Traffic Generator	Simvovus India Pvt. Ltd. Mobius Tower - I, 5 th Floor, "S.J.R. Ipark," Hoodi Village, Whitefield Krishnarajapuram, Bangalore-560066
55	TPQ-904	Dr. Koushik Roy, Dr. Ramakrishna Bag	NIL	CEE	Third Party Quality Control Assurance for construction works at NIPER Hajipur, Bihar	NIPER Hajipur

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56	TVD-905	Dr. Sudhir Varma, Dr. Amit Varma, Dr. Asif Ekbal	NIL	CEE	Technical vetting of draft RFP for "Selection of system integrator (SI) cum master service provider (MSP) for development, maintenance & operation of digital project and asset management information system (DPAMIS) -cum -intelligent rural road maintenance monitoring system (IRMMMS)	Roral Works Department Bihar
57	VDD-912	Dr. Subrata Hait	NIL	CEE	Vetting of Design and drawing of 16KLH capacity iron, fluoride and arsenic removal plant integrated with UV system for ground water.	M.S. Scientifies & Aqua System, Secunderabad-500003
58	TPV-913	Prof. T.N.Singh, Dr. Vaibhav Singhal, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Third-party vetting of design and drawings of elevated corridor from kargil chowk to science college, Patna	BRPNNL
59	ESS-916	Dr. Amit Kumar Verma	Prof. T.N Singh	CEE	Execution of slope stabilisation works and erosion control works for road safety at 1800 on road TCC-Maza including geological investigation, preparation of design and its proof check from IIT under 128 RCC/23 BRTF under project Arunank in upper subansiri district of Arunachal Pradesh through EPC mode (Job No.-106/88/ARK)	Spar Geo Infra Pvt. Ltd.
60	SSI-917	Dr. Amit Kumar Verma	Prof. T.N Singh	CEE	SSI Report for the Churi Ugi Mine, CCL and Jhanjra UG Mine, R-V at JMS HO Project	JMS Mining Pvt. Ltd
61	DPC-918	Prof. T.N.Singh, Dr. Vaibhav Singhal, Dr. Arvind Kumar Jha	NIL	CEE	Design project on Construction of 80 mtr span Maj PMT bridge on open foundation with steel super structure (through type) over Sapti Nallah at km 8.45 on TENAI-KKG road under 48 BRTF/(P) Udayak in Arunachal Pradesh State	Chief Engineer, Project Udayak, Pin-931715
62	MDM-919	Dr. Vaibhav Singhal, Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M25 Concrete for Lohia Medical College and Hospital, District - Supaul, Bihar	Vascon engineers Ltd.

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63	MDM-920	Dr. Vaibhav Singhal, Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M30 Concrete for Lohia Medical College and Hospital, District - Supaul, Bihar	Vascon engineers Ltd.
64	VDD-925	Dr. Amit Kumar Verma	Prof. T.N Singh	CEE	Vetting of Design & Drawings of slope protection work.	Adih Infrastructure Pvt. Ltd.
65	SSI-926	Dr. Amit Kumar Verma	Prof. T.N Singh	CEE	SSI Report for Dev. Panels 26 (A, B, C, D)_Seam R-VI_Jhanjra_ECL	JMS Mining Pvt. Ltd
66	HSS-929	Prof. T.N Singh	Dr. Amit Kumar Verma	CEE	Hill Slope Stabilization at Km 28.990, Km 29.500, Km 30.800, Km 31.900, Km 32.300, Km 32.500, Km 33.500, Km 34.400 & 35.600 on Melyal-Pharkiyar Gali-Datt Bridge Road in the Sector of 109 RCC/32BRTF/Project Beacon in J&K (UT) on EPC mode.	SRM Contractors Limited, Sector-3, Near BJP Head office, Trikuta Nagar, Jammu & Kashmir-180012
67	MDC-930	Dr. Vaibhav Singhal, Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M30 Concrete with Cement Brand 1 and 2 for Lohia Medical College and Hospital, District-Supaul, Bihar	Vascon engineers Ltd.
68	MDC-931	Dr. Vaibhav Singhal, Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M25 Concrete with Cement Brand 1 and 2 for Lohia Medical College and Hospital, District-Supaul, Bihar	Vascon engineers Ltd.
69	MDC-932	Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M25 Concrete with Cement Brand 3 and 4 for Lohia Medical College and Hospital, District-Supaul, Bihar	Vascon engineers Ltd.
70	MDC-933	Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M30 Concrete with Cement Brand 3 and 4 for Lohia Medical College and Hospital, District-Supaul, Bihar	Vascon engineers Ltd.
71	DBG-938	Dr. Anup Kumar Keshri	NIL	MME	Development of Bi - layer Graphene Composites (BLGC)	TVS Advanced Materials Pvt. Ltd. Chennai
72	EFW-942	Dr. Surajit Kumar Paul	Prof. Mayank Tiwari, Dr. Ram Chandra Prajapati	ME	Examination of Fretting Wear for Steel Samples	Tata Steel Limited, Jamshedpur
73	MDM-943	Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M30 Concrete with cement brand 1 and 2 and admixture-1 for district hospital at Koderma	Vascon Engineers Ltd.

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74	SDV-944	Dr. Avik Samanta	NIL	CEE	Structural vetting of drawings and design calculation of pipe bridge, Maheshtala, West Bengal	Vishvaraj Environment Pvt. Ltd. West Bengal
75	MDC-945	Dr. Avik Samanta, Dr. Koushik Roy, Dr. Sourav Gur	NIL	CEE	Mix Design of M25 Concrete with cement brand 1 and 2 and admixture-1 for district hospital at Koderma	Vascon Engineers Ltd.
76	JMS-948	Dr. A.K Verma	Prof. T.N Singh	CEE	JMS_ECL_Tilaboni_Scientific Study for Incline Drivage & H&W of the Developed Galleries	JMS Mining Pvt. Ltd
77	RRW-949	Dr. A.K Verma	Prof. T.N Singh	CEE	Repair/ Replacement of Retaining Wall at Building No P-58 (BCI)	Garrison Engineer, Sikkim
78	DVA-950	Dr. A.K Verma	Prof. T.N Singh	CEE	Design Vetting of Ari Dongri Mines Project in Chhattisgarh and Design Vetting for ROB on Banki-gevra Railway Station Line (End Client-South East Coalfields Ltd.)	MACCAFERRI, Maccaferri Environment Solutions Pvt. Ltd.
79	SSE-952	Dr. A.K. Verma	Prof. T. N. Singh	CEE	Scientific study of explore the possibility for FLY ash Utilization in Suliyari Coal Mines as per CTO Condition/ Fly ash Utilization NGT meetings by MPPCB	Adani Enterperises Ltd, Aamadana, Amraikoh, Belwar Dongri, Jheleri, Majholipath & Seerswah Singruli 486886 Madhya Pradesh
80	SSI-953	Prof. T. N. Singh	Dr. A.K. Verma	CEE	Sub Soil Investigation, Design And Installation of Slope Protection Works at Parashuram Kund, Lohit District in Arunachal Pradesh	Pioneer Engineers Pvt. Ltd. Maharashtra
81	DTF-954	Dr. Chiranjit Sarkar	NIL	ME	Dynamometer Test For Bajaj CNG, Honda Activa, Bajan KB Brake Shoe.	Suprajit Engineering Limited, Bangalore
82	SGM-955	Dr. Amit Kumar Verma	Prof. T. N. Singh	CEE	Survey (Tropographical & Drone Survey), Geological Mapping and Slope Stability Analysis for Slope Protection Work at Locaitons on the Hillside and Two Locations in valley side between Km 67+000 to Km 106+139 of the Parwanoo-Solan section of NH 22 (now NH 5) in the State of Himachal Pradesh (HP)	National Highway Authority of India, (Ministry of Road Transport & Highways, Govt. of India), PIU-Shimal, House No.1, Rishikesh Sadan, Shanti Kutia, Upper Chakkar Shimla Distt. Shimla (HP)-171005

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83	PCF-958	Prof. T. N Singh Dr. Vaibhav Singhal Dr. Arvind Kumar Jha	NIL	CEE	Proof Checking of FOB of Khagariya Railway Station, Bihar	LKT Engineering Consultant Limited, New Delhi - 110064
84	EIW-959	Prof. Preetam Kumar	Dr. S. Sivasubramani	EE	Electrical Installation Work at NIPER, Hajipur	NIPER Hajipur
85	PCS-960	Dr. Arvind Kumar Jha Dr. Vaibhav Singhal Prof. T.N. Singh	NIL	CEE	Providing Consultancy Services for Vetting of Proposed Structural Plans and Designs for the Building and External Development Components of Unity Mall Projects, New Shillong Township, Umsawali, Meghalaya	INI DESIGN STUDIO PVT. LTD., 71/72, Titanium, Corporate Road, Prahladnager, Satellite, Ahmedabad - 380015
86	MTM-962	Dr. Avik Samanta Dr. Koushik Roy Dr. Sourav Gur	NIL	CEE	Materials Testing and Mix Design of M30 Concrete for Sewerage Network Construction at Hajipur, Bihar	Toshiba Water Solutaion Pvt. Ltd.
87	CFD-963	Dr. Chiranjit sarkar	NIL	ME	CFD of High Reach Pantograpgh for the Different Heights and Speed, Both forward and Backward Directions	GDRMEKTEK PVT LTD, Bangalore
88	EPS-964	Prof. T. N. Singh Dr. Amit Kumar Verma	NIL	CEE	Execution of Protective works for slope Protection and Retention measure at KM 44.500, KM 50.000, KM 60.400 and KM on road hapoli-sarli-huri (Huri Axis) including geological investigation, preparation of design and its proof check from IIT under 85 RCC/756 BRTF under Project Arunank in Kurung Kumey District of Arunachal Pradesh (Job No.- 119/50/Ark) (EPC Mode)	Pioneer Foundation Engineers Pvt. Ltd. B-2, 509, Boomerang, off Chandivali Farm Road, Chandivali Power Mumbai- 400072, Maharashtra
89	VDD-966	Prof. T.N.Singh	Dr. Amit Kumar Verma	CEE	Vetting of Design and Drawing	R.G. Buildwell Engineers Ltd. Ghaziabad, U.P
90	RAU-967	Dr. Sudhir Verma Dr. Koushik Roy	NIL	CEE	Rehabilitation and Upgradation to 2- Lane with Paved Shoulder of NH-510 Package -IV (Ch 33 + 600 to 58 + 840km): Cement Treated Base Layer Meterial Evaluation	M/S Shivam Condev Pvt. OU -522, 5 th Floor, Espalnaed Commercial Development, Unit No. 32, 721, Rasul Sarh, Bhubaneshwar - 751010

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91	DDB-970	Prof. T.N.Singh Dr. Vaibhav Singhal Dr Arvind Kumar Jha	NIL	CEE	Design and Drawing of Substructure for 45m Span Bridge Over HAMELIANG Nallah Udayak in Arunachal Pradesh State	Chief Engineer, Project Udayak, Pin-931715
92	COT-971	Dr. Amit Kumar Verma, Dr. Arvind Kumar Jha, Dr. Sudhir Verma, Dr. Sourav Gur, Dr. Manoj Kumar Yadav, Prof T. N. Singh	Prof Rajiv Mishra	CEE	Carrrying Out of the TPQAI of 9 Patna Smart City Projects Under Smart City Mission	Patna Smart City Limited
93	MDC-974	Dr. Avik Samanta Dr. Kosuhik Roy Dr. Sourav Gur	NIL	CEE	Mix Design of M25 Concrete with cement brand 1 and 2 and admixture-1 for district hospital at Koderma	Vascon engineers Ltd.
94	MDW-975	Dr. Avik Samanta Dr. Kosuhik Roy Dr. Sourav Gur	NIL	CEE	Mix Design of M30 Concrete with cement brand 1 and 2 and admixture-1 for district hospital at Koderma	Vascon engineers Ltd.
95	SSA-978	Prof. T N singh Dr. Vaibhav Singhal Dr. Arvind Kumar Jha	NIL	CEE	Structural Safety Audit for Incomplete/ Partially Completed Buildings at permanent Campus of Central University (CUJ) of Jharkhand at Manatu, Ranchi, Jharkhand (vide Letter: WAP/INFS-I/CUJ/2024/484; dated: 30.01.2024	WAPCOS Limited (A Government of India Undertaking, Ministry of Jal Sakti)
96	MDO-979	Dr. Avik Samanta Dr. koushik Roy Dr. Sourav Gur	NIL	CEE	Mix Design of M25 and M30 OPC Grade Concrete for 22 MLD STP, 04 Nos IPS and 138.9 kms Sewerage Network at Hajipur, Bihar	Toshiba Water Solution Pvt. Ltd. And M/s Sri Krishna Sales
97	VOT-980	Dr. A. K. Verma	Prof. T.N.Singh	CEE	Verification of Technical Competence for Geobruigg's Rockfall Barrier RZE-3000® - Tender No. CR-DRMWBB-2023-6-02	Geobruigg India Private Limited, JMD Mega Polis, Sohna Road-Sec.48, Gurgaon- 122018
98	JMP-981	Dr. A. K. Verma	Prof. T.N.Singh	CEE	Scientific study for Churi Mine, CCL at JMS HO Project.	JMS Mining Private Limited, Dongfshng Electric Building 3 rd Floor, Premises 16, MAR-1111, Action Area 1A, New Town, Rajarhat, KOLKATA-700156, WB

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99	SST-982	Dr. A. K. Verma	Prof. T.N.Singh	CEE	Scientific study for Technical vetting of SSI Report	JMS Mining Private Limited, Dongfeng Electric Building 3 rd Floor, Premises 16, MAR-1111, Action Area 1A, New Town, Rajarhat, KOLKATA-700163, WB
100	GAG-983	Prof. T.N.Singh	Dr. A. K. Verma	CEE	Geological assessment of Ground at Tunnel Location.	GAWAR Construction Limited, SF-01, JMD Galleria, Section-48, Sohna Road, Gurugram-122001 (Haryana)
101	DPD-984	Prof. T.N.Singh	Dr. A. K. Verma	CEE	Design Proof of Detailed Engineering of for Construction of 4 no. Single Line BG Tunnels (Approx. Total 1200 KM) Between KM 28.300 to KM 35.100 Excluding About 50m to 100m (Approx.) Cutting as Required on Each Face of All Tunnel for of All Tunnel for Opening of Face in Connection with Construction of New BG Rail Line from Koderma to Tilaiya	Geoportal Engineering Consultancy Pvt. Ltd., 12/199 Geeta Colony
102	CSS-985	Prof. T.N.Singh	Dr. A. K. Verma	CEE	Conducting Slope Stability Analysis Along with Geo-Tech Investigation of Deep Cutting and Slope of Major Bridge Location, Land Slide Areas, Design of RCC Retaining Wall on Open and Deep Foundating, Subsurface Drainage, Covered Drains etc. from Ch. 0.575 to Ch. 51375 in the BG Line Project (Mizoram). Proof Checking of Design & Drawings of Sub-Structures & Super Structures-Regarding	Beaver Infra Consultants Pvt. Ltd.
103	RST-987	Prof. T.N.Singh	Dr. A. K. Verma Dr. Arvind Kumar Jha	CEE	Rock and Soil Samples for Testing of the Project M04 Sent to Your Lab-Testing Charges-Regarding	Beaver Infra Consultants Pvt. Ltd.
104	PCA-988	Dr. A. K. Verma	Prof. T.N.Singh	CEE	Proof Consultancy at Sarli Axix Road Joram- Koloriangsarli Arunachal Pradesh	Maccaferri Infrastructure Pvt Ltd. Green Park Area, 08, Naharlagun Main Road, Papum Pare Arunachal Pradesh-791110

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105	PCL-989	Dr. A. K. Verma	Prof. T.N.Singh	CEE	Proof Consultancy at KM 42,800 (Both Hill & Vally Side) and KM 54,000 (Valley Side) (Huri Axis) on Lee-Huri Road, Arunachal Pradesh-791110	Maccaferri Infrastructure Pvt Ltd. Green Park Area, 08, Naharlagun Main Road, Papum Pare Arunachal Pradesh-791110
106	DVS-991	Dr. A. K. Verma	Prof. T.N.Singh	CEE	Design Vetting for Slope Stabilization & Ground Improvrment Work in New B.G. Railway Line Karo Siding Project in Jharkhand	Meccaferri Environmental Solutions Private, Patna Biah - 800003
107	UCS-994	Dr. A. K. Verma	Prof. T.N.Singh	CEE	Laboratory Testing (UCS, Direct Shear Test and Propeties of Joints) on the Rock Core Samples Extracted from Two Drifts Namely RDR-8 (Dam Site) and RDR-5 (Power House Site) by means of Exploratory Core Drilling for Dibang Multipurpose Project Roing, Arunachal Pradesh	NHPC Limited Dibang Multipurpose Project Mayu Sector, PO-Roing, Dist. Lower Dibang Valley, Arunachal Pradesh-792110
108	CSC-995	Dr. Avik Samanta Dr. Koushik Roy Dr. Sourav Gur	NIL	CEE	Characterization of Stone Coarse Aggregate for Development of NH-31, Darjeeling and Jalpaiguri Districts. West Bengal	Rachana Construction Co.
109	QAC-996	Dr. Avik Samanta Dr. Koushik Roy Dr. Sourav Gur	NIL	CEE	Quality Assesment of Concrete Work (Compressive Strenght) of Permanent Structures in SDRF Bihta Patna	Dipanshu Promoter and Builder Pvt. Ltd.
110	PCC-1005	Prof. Jawar singh	Prof. Jimson Mathew	EE	Proof Checking Services for CCTV, LAN Work, Access Cotrol and Building Management System for Nalanda University Project at Rajgir	Sivanesa Krishna, M P&C Projcets (P) Ltd. Nalanda University Project, Rajgir, Bihar
111	EPA-1006	Prof. T.N Singh	Dr. A.K Verma	CEE	Execution of Preliminary Activities Like Survey and Other Facilities with Proper Approach Road Geo-Technical Studies Preparation of GAD Plan, Preparation of Land Acquisition Proposals in Connection with Construction of 12Nos ROB's of Waltair Division on East Cost Railway Proof Checking of Design & Drawings of Sub-Structures & Super Structures-Regarding	Beaver Infra Consultants Pvt. Ltd.

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112	NBK-1007	Prof. T.N Singh	Dr. A.K Verma	CEE	New Bongaigaon Kamakhya-DPR Preparation for after for ROB after Feasibility Study for Elimination of LC in BG-II Section in Rangiya Division. Proof Checking of Design & Drains of Sub-Structure & Super Structures-Regardings	Beaver Infra Consultants Pvt. Ltd.
113	VDT-1010	Dr. Koushik Roy	NIL	CEE	Vetting of Design and Drawings of Two RoBs Along With Their Adjoining Spans as A Part of the Elevated at Sipara	Afcons Infrastructure Ltd, Nashik
114	ESW-1011	Dr. A.K Verma	Prof. T.N Singh	CEE	Execution of Slope stabilisation works and River Training Works at KM 1.00 on Road tama Chung Chung-Maza and Execution of Slope Stabilisation Works at KM 6900 km 33.820 & K.M 35800 on Daporijo-Taaliha Road Including Geological Investigation, Preparation of Design and its Proof Check from IIT under 23 BRTF under Project Arunank in Upper Subansiri District of Arunachal Pradesh through EPC Mode (Job No. 106/97/Ark & 106/98/Ark)	Spar Geo Infra Pvt. Ltd.
115	MAS-1016	Dr. Pradipta Chakraborty	Nil	CEE	MASW Tests and Liquefaction Assesment at Two Sites (1) Ganga Interpretation Centre Near Digha and (2) Multi-Purpose Hall Near LCT Ghat Along the JP Ganga Path	Bihar State Road Development of Corporation Ltd, Patna
116	MMP-1021	Dr. Avik Samanta Dr. Koushik Roy Dr. Sourav Gur	NIL	CEE	Mix Design of M25 and M25 and M30 with Prism PPC Cement and Sika Admixture for RCC work at NDRF work at NDRF, Bihta, Bihar	M/S Singhal Enterprises
117	MGC-1023	Dr. Avik Samanta Dr. Koushik Roy Dr. Sourav Gur	NIL	CEE	Mix Design of M25 and M30 Grade of Concrete with Ambuja PPC Cement and Aromics 200 Admixture for RCC Work at DMI, Bihta, Bihar	M/S Takshvi Infra Pvt. Ltd. And M/S Simplex Infrastructure Ltd.

SI No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
118	PCV-1024	Dr. A.K Verma	Prof. T.N Singh	CEE	Proff Checking and Vetting of Execution of Slope Stabilisation Works and River Training Works at Km 6.900, Km 33.820 & Km 35.800 on Daporijo-Taliha and Including Geological Investigation, Preparation of Design and it's Proof Check from IIT Under 23 BRTF under Project Arunank in Upper Subansiri District of Arunachal Pradesh through EPC Mode (Job No 106/97/ARK & 106/98/ARK)	Spar Geo Infra Pvt. Ltd.
119	PWP-1025	Dr. A.K Verma	Prof. T.N Singh	CEE	Proof Checking and Vetting of Cable Anchoring Work at Plunge Pool Cladding Location of Spillway of Koldam Hps, Bilaspur Himachal Pradesh	Spar Geo Infra Pvt. Ltd.
120	PCD-1027	Dr. A.K Verma	Prof. T.N Singh	CEE	Proof checking of design & drawing of sub-structures & super structures - Regarding.	Beaver Infra Consultants Pvt. Ltd.
121	COL-1028	Dr. A.K Verma	Prof. T.N Singh	CEE	Carrying out laboratory tests for determination of joint properties of rocks from subansiri Lower HE Project (2000MW)	NHPC Limited, Subansiri Lower H.E Project, Kolaptukar, Dollungmukh Circle, Lower Subansiri District, Arunachal Pradesh
122	PFC-1029	Dr. A.K Verma	Prof. T.N Singh	CEE	Proof checking of design & drawing of sub-structures & super structures - Regarding.	Beaver Infra Consultants Pvt. Ltd.
123	LSS-1032	Prof. T.N Singh	Dr. A.K Verma	CEE	Land Slide and Slop Protection at KM 6.600 to KM 6.750, KM 18.000 to KM 18.170, 18.350 to KM 18.450, KM 21.900 to KM 22.070, KM 23.200 to KM 23.300, KM 23.750 to KM 23.850, KM 24.850 to KM 25.000, KM 26.650 to KM 26.950 & KM 27.300 to KM 27.600 on Rishikesh- Dharasu Road (NH-94) Between Muni Ki Reti to Agrakhal) on EPC Mode in the State of Uttarakhand, (Nos. of Land Slide-09 No.)	M/s Meccafferri Infrastructure Pvt. Ltd

Sl No	Project Number	Name of Investigators	Name of Co-Investigators	Department	Project Title	Funding Agency
124	SRW-1034	Prof. T.N Singh	Dr. A.K Verma	CEE	Slope Rehabilitation Works (SRWO at Km 96,000 on Road Balipara-Charduar- Tawang Under 91 RCC/14BRTF in West Kameng District of Arunachal Pradesh EPC Mode Reg	Mr. Uma Shankar, Chief Executive Office, Pavai Infra Geotech, 138 on Shakti Complex, Hope College, Avinashi Road, Coimbatore-641004
125	DDL-1037	Dr. A.K Verma	Prof. T.N Singh	CEE	Drawing and Design of the Lohaghat location 48,49, and 51.	Spar Geo Infra Pvt. Ltd.
126	DVD-1038	Dr. Avik Samanta	NIL	CEE	Design Vetting of Drawings Interception & Diversion-1, Maheshtala West Bengal	Vishvaraj Environment Pvt. Ltd. West Bengal

List of MoUs under Resources

Sl. No.	Name of the Organisation	Purpose of MOU	Year
1.	McKinley Rice	» Placement Support » Sponsorship for Fests: » Educational Sponsorship » Exclusive Access to McKinley Rice Data Repository » Boosting Campus Placements	2024
2.	University of Dayton, USA	A. Participation in GIAN, VAJRA and other programs sponsored by the Governments of India and U.S.A.; B. Faculty Exchange and professional training programs; C. Graduate and postgraduate exchanges; D. Joint research projects and educational programs; E. Exchange of scientific materials, publications and information; and/or F. Developing and conducting joint seminars and other academic events.	2024
3.	Institute for Steel Development & Growth (INSDAG), Kolkata	a) To identify and pursue joint projects (research or market development) specially in the areas of mutual interests and expertise with financial support from beneficiaries leading to publications, patents, copyrights etc. b) To carry out assignments of structural consultancy jointly based on mutual agreement and individual expertise c) To conduct / organize industry academia interactions in form of seminars / trainings / workshops (both in offline and online mode) jointly on topics of mutual interest. d) To jointly carry out proof checking assignments of structural designs / health monitoring of infrastructure projects. e) To explore possibilities of involvement of INSDAG in thesis projects related to steels for undergraduate and post-graduate students and subsequent associations based on mutual agreement. f) To utilize facilities and expertise as per requirements of IIT Patna and INSDAG on mutually agreed terms and conditions and on revenue sharing basis.	2023

Sl. No.	Name of the Organisation	Purpose of MOU	Year
4.	Institut National Polytechnique de Toulouse – Toulouse INP, France	<ul style="list-style-type: none"> » Exchange of academic and administrative staff » Exchange of students » Joint supervision of doctoral studies » Conducting collaborative research projects » Conducting lectures and organising symposia » Exchange of academic information and materials » Promoting academic collaboration in fields of mutual interest 	2023
5.	Drone Destination	Certification Program in the field of Drone training	2023
6.	Knowa Learning	Certification Program for German Language	2023
7.	Rionet Solutions	For Research and Developments/ Language Learnings	2023
8.	Masayume Edtech (Indo -Japan)	For Research and Developments	2023
9.	IIRM-IIT Patna	For Executive Master Programs/ Collaborative Certification Programs	2023
10.	Microtek Educational Society	For Executive Master Programs/ Hybrid UG & PG Programs/ Collaborative Certification Programs	2022
11.	TeamLease Edtech	For Executive Master Programs	2022
12.	TCS	For Teaching learning resources (Exchange)	2022-23
13.	ISEN France (Part-1 & Part-2)	<p>The scope of the research cooperation will involve:</p> <ul style="list-style-type: none"> » welcoming trainees and researchers, training doctoral students » realizing studies or tests » facilitating the use of laboratories capacities » facilitating the access of partner teams to scientific facilities, networks, research groups and clusters. 	2021 & 2023
14.	DAAD Germany	<p>The scope of the research cooperation will involve:</p> <ul style="list-style-type: none"> » welcoming trainees and researchers, training doctoral students » realizing studies or tests » facilitating the use of laboratories capacities » facilitating the access of partner teams to scientific facilities, networks, research groups and clusters. 	2023
15.	EDCIL	For Exchange of students/ Faculty/ Research Cooperation (International)	2022
16.	Sorting Hat Technology Pvt. Ltd. (Codechef)	For Students assessments/ evaluation	2022
17.	Shriman Foudation Texas, USA	For Exchange of students/ Faculty/ Research Cooperation	2022
18.	ICCR	For Exchange of students/ Faculty/ Research Cooperation (International)	2023
19.	CARD, Odissa	Adivasi Research and Development	2022

Sl. No.	Name of the Organisation	Purpose of MOU	Year
20.	Tata Power Delhi Distribution	For Research and Developments/ Language Learnings/Teaching learning resources	2022
21.	Newcastle University	Both institutions will encourage direct contact and co-operation between their faculty and administrative staff, departments and research institutions. The main opportunities are (i) Student exchange (ii) Joint research activities (iii) Visits by and interchange of staff and graduate students for research, teaching and discussions (iv) Joint conferences or symposia on subjects of mutual interest.	2021
22.	Wiley	IIT Patna and Wiley share a common goal of preparing and educating students by providing effective skill development in field of analytics and other emerging skill areas.	2020
23.	Kyoto University	<p>The purpose of this Memorandum is to promote student exchange between the two institutions based upon the General memorandum for Academic Cooperation and exchange between the parties. Both parties will promote in particular the following activities:</p> <ol style="list-style-type: none"> 1. Exchange of scientific materials, publications and information. 2. Exchange of faculty members and researchers. 3. Exchange of students. 4. Joint research and meetings for research. 	2018

Various Activities at IIT Patna

The sports unit of IIT Patna organised several events in 2023-2024 session to enhance the sports facilities and activities on campus. These events aimed to foster a sense of positivity and motivation among the participants, encouraging them to overcome challenges and excel in all areas of life. The sports unit has scheduled the following significant events and activities for the year 2023-2024 session:

National Sports Organisation (NSO) Classes (Autum-2023 & Spring-2024 semester)

The Government of India, via NSO, implements a programme in all IITs, mandating all entering first-year undergraduate students to participate in a certain sport and get training. At IIT Patna, the NSO programme is open to 1st year undergraduate students and offers training in a wide range of physical activities and sports. In the last academic year, the NSO programme offered six different sports, including athletics, basketball, cricket, football, skating, and volleyball with a total of 303 B. Tech 1st year students.

Sports	Coaches /Trainers	Number of students (Autum-2023)	Number of students (Spring-2024)
Athletics	Rohit Pathariya & Satendra Kumar	51	51
Basketball	Shyam Kumar & Satendra Kumar	51	52
Cricket	Kaushik Raj	52	52
Football	Ajit Kumar Singh	52	52
Skating	Uttam Keshari	43	44
Volleyball	Ashok	52	52



Picture representing NSO session

56th Inter-IIT Student Sports Meet (10th-23rd Dec 2023) and 28th Inter IIT Staff Sports Meet (24th-29th Dec 2023)

Hon'ble Director IIT Patna Prof. T. N. Singh, A. Dean Student Affairs Dr. P. K. Tiwari, Chairman Sports Dr. Kuldip Singh Patel, Sports Officer Dr. Karunesh Kumar and other faculty and staff members conveyed their best wishes with words of wisdom and motivated the IIT Patna contingent departing to participate in the 56th Inter-IIT Sports Meet for students at IIT Bombay and IIT Gandhinagar. A total contingent of 124 students and 15 sports staff from IIT Patna participated for student meet at IIT Bombay and IIT Gandhinagar. Further, for staff meet at IIT Gandhinagar, a contingent of 41 persons (10 Faculty and 31 Staff) and 7 sports staff from IIT Patna participated.



Picture showing IIT Patna students with Hon'ble Director IIT Patna Prof. T. N. Singh, A. Dean Student Affairs Dr. P. K. Tiwari, Chairman Sports Dr. Kuldip Singh Patel, Sports Officer Dr. Karunesh Kumar, PTI instructor Dr. Kiran.

Overall result of student and staff teams in Inter IIT Sports Meet 2023.

Team Games Scoring criteria:

- » Gold Medal: 100 points
- » Reaching Final: 80 points
- » Reaching Semi-final: 60 points
- » Reaching Quarterfinal: 40 points
- » Reaching Pre-Quarterfinal: 30 points
- » Winning Games in First Round (not qualifying further): 10 points
- » Drawing Games in first Round: 5 points
- » Not winning any games in First Round: 0 points

Athletic Events/Weightlifting Event Scoring criteria:

- » Gold Medal: 100 points
- » Silver Medal: 80 points
- » Bronze Medal: 60 points
- » Reaching Finals (or rank equal to or below 8): 40 points
- » Rank equal to or below 12: 20 points

Sports	Student points	Staff points
Athletics Men	60	20
Athletics Women	20	N/A
Badminton Men	30	30
Badminton Women	10	40
Basketball Men	0	0
Basketball Women	30	N/A

Sports	Student points	Staff points
Chess Mix	35	N/A
Cricket Men	0	0
Football Men	5	0
Squash Men	0	N/A
Table Tennis Men	10	0
Table Tennis Women	N/A	60
Tennis Men	20	60
Tennis Women	0	N/A
Volleyball Men	30	30
Volleyball Women	0	N/A
Weightlifting	20	N/A

Best performance from IIT Patna student

- » In the long jump (male), Mr. Aryan Dhakad got the bronze, and in the triple jump (male) category, he got the 4th position.



Mr. Aryan Dhakad of IIT Patna won the bronze medal in long jump

Best performance from IIT Patna Staff

- » In both the **400 m** and **1500 m** running (male) categories, **Dr. Manish Singh** got the **9th** position.
- » **Tennis (men)** team reached till **quarter finals**
- » **Table Tennis (Women)** team reached till **quarter finals**

Yuva Sangam (10th-16th May 2023)



The sports unit, under the able guidance of the Dean of Student Affairs Prof. Smriti Singh and Nodal Officer Yuva Sangam Prof. Om Prakash, executed this programme for BIHAR with the Nodal Institution as IIT PATNA, where IIT Patna hosted a team of 45 students and 4 institute representatives from the Tamil Nadu Nodal Centre (NIT RUCHIRAPALLI).



Formal inauguration of Yuva Sangam was done by the Hon'ble Governor of Bihar.

World Cycle Day Cyclothon (2nd June, 2023)



On the occasion of World Cycle Day and World Environment Day, a Cyclothon was organised successfully by Sports Unit IIT Patna on 2nd June June 2023. The event brought together approximately 150 cycling enthusiasts who embarked on a scenic ride, promoting sustainable transportation and environmental awareness.

International Yoga Day 2023 (21st June)



Picture showing yoga day on June 21, 2023

IIT Patna celebrated International Yoga Day on June 21, 2023. The event aimed to promote the importance of yoga for achieving physical and mental well-being. “Yoga for Vasudhaiva Kutumbakam” and “Har Angan Yoga” were the key focus of the Yoga Day celebration. More than 300 participants, including students, staff, and faculty members, joined this event. The Hon’ble Director, IIT Patna, Prof. T. N. Singh, was the chief guest of the Yoga Day celebrations. Prof. T. N. Singh delivered an inspiring speech highlighting the importance of yoga in maintaining a healthy lifestyle.

Ek Bharat Shreshtha Bharat IIT Patna Cyclothon 2023 (15th August)

Under the aegis of Ek Bharat Shreshtha Bharat (EBSB), the Sports Unit IIT Patna organized “Ek Bharat Shreshtha Bharat IIT Patna Cyclothon 2023” with the motto “Pedal for Nation” on the occasion of 77th Independence Day on 15th of August 2023 at 6 am at IIT campus where more than 150 students from IIT Patna participated In the event.



Picture showing cyclist participated at IIT Patna Cyclothon 2023

National sports day Celebration 2023 (21st August -29th August)

"IIT Patna celebrated National Sports Day 2023 with the theme "Sports as an Enabler for an Inclusive and Fit Society." The celebration of National Sports Day 2023 at IIT Patna commenced on August 21, 2023, through a week-long series of events with the participation of over 300 students, staff, and faculty members, followed by the prize distribution on August 29, 2023, "National Sports Day," to mark "the birthday of Major Dhyan Chandra, also known as "The Wizard of Hockey," who brought glory to the country by winning three Olympic gold medals "The results for NSD 2023 are as under.

S. No.	Sports	Winner	Runner-up
1.	Basketball	Team PG	Team UG
2.	Volleyball	Team UG	Team Staff
3.	Badminton	Team Staff	Team PG
4.	Football	Team Staff	Team PG
5.	Tug of War	Team UG	Team Staff
6.	Walking Male (2.5 km)	Aniket Sawate	
7.	Walking Female (2.5 km)	Priya	



IIT Patna-AARAMBH sports fest-23 (15th to 17th September)

Sports Unit IIT Patna welcomed all its freshers through a series of sports events, "Fresher's AARAMBH Sports Fest-23 (Battle of Houses #4 boys' houses–Arjuna, Karan, Shivaji, and Bajirao) and #3 girls houses–Lakshmbai, Padmani, and Durgavati), where approximately more than 200 participants competed in 11 different sports for the overall championship and pride of their respective houses.

S. No.	Sports	Winner	Runner-up
1.	Basketball	Bajirao	Shivaji
2.	Volleyball	Bajirao	Arjuna
3.	Tennis	Bajirao	Shivaji
4.	Chess	Bajirao	Arjuna
5.	Badminton	Shivaji	Arjuna
6.	Powerlifting	Bajirao	Shivaji
7.	Cricket	Karan	Shivaji
8.	Table Tennis	Arjun	Bajirao



High-performance sports Coaching Camp (25th September -24th October 2023)

The Bihar Sepaktakraw Men's & Women's and Rugby Men's and Women's team performed the high-performance sports Coaching Camp at IIT Patna. The Bihar State Sports Authority in association with IIT Patna organized the high-performance sports Coaching Camp for Bihar teams for the preparation of the 37th National Games at Goa.



Swachh Bharat Diwas Tree plantation drive (2nd October 2023)

Sports Unit IIT Patna organized a tree plantation drive near the Gymkhana building to celebrate Swachh Bharat Diwas (2nd October). National and international level players from Bihar staying in our campus for the 37th National Games (Goa) training camp were also invited for the tree plantation program.



IIT Patna Annual Sports Fest, Infinito 2023 (6th-8th October 2023)

The annual sports event of IIT Patna, "Infinito," with the theme "Summon the Champions," was successfully organised at IIT Patna. More than 1000 participants from 27 different colleges and institutes participated in this event. The entire environment during this mega event was full of positive energy and sportsmanship. At the closing ceremony, all those who brought laurels for their colleges and institutes were felicitated with medals and trophies, and a grand musical event featuring well-known artists from DJ Group Probos performed at the event was closed on the note of positivity.

S. No.	Sports	Winner	Runner-up
1.	Football	A.N College Runner	IIT Patna
2.	Volleyball Male	IIT Patna	NIT Patna
3.	Volleyball Female	IIT Patna	Nalanda
4.	Badminton Male	IIT Patna	IIT Patna Staff
5.	Badminton female	IIT Patna	NIT Patna
6.	Chess	IIT Patna	IIT Patna
7.	Basketball Male	BHU	JNL College
8.	Basketball female	B Ballers Ara	JNL College
9.	Table Tennis Male	IIT Patna	IIT Kharagpur
10.	Table Tennis female	NIT Jalandhar	IIT Kharagpur
11.	Tennis Male	IIT Patna	IIT Patna
12.	Tennis female	IIT Patna	BIT Patna
13.	CrossFit	IIT Patna	AIIMS



Picture showing different sports at Infito

Republic Day Fit India Fitness (20th to 25th January 2024)

The Fit India Fitness Week was organised by the sports unit at IIT Patna. This event showcased approximately 250 participants from IIT Patna. The week-long celebration included various fitness-based activities such as athletics (100 M, 400 M, and 1500 M), tennis ball cricket, football (7 players each side), volleyball, and tug of war between four teams of campus constituted by participants of B.Tech., M.Tech., PhD., and staff communities competing against each other. This celebration was completed with a prize distribution ceremony by the Honourable Director of IIT Patna on January 26, 2024.

S. No.	Sports	Winner	Runner-up
1.	100 Meters – Men	Santosh	Aniket
	100 Meters – Women	Priti	Chhavi
	400 Meters – Men	Dhanesh Kumar	Aniket
	400 Meters – Women	Priti	Chhavi
	1500 Meters – Men Ashrash	Krishna Kant	Ashrash
	Over All Athletics	B. Tech	M. Tech
1.	Cricket	PhD	Staff
2.	Football	M. Tech	B. Tech
3.	Volleyball	B. Tech	Staff
4.	Tug of War	Staff	B. Tech



Inter-Year Sports Fest (March 7th to March 15th 2024)

In March 2024, we witnessed a spectacular display of talent and teamwork as students from every undergraduate year at IIT Patna came together for the Inter-Year Sports Fest. From March 7th to March 15th, the campus was abuzz with excitement as approximately 300 participants from first, second, third, and fourth years competed in various sporting events Cricket, Badminton, TableTennis, Chess, Basketball, showcasing their skills and fostering a sense of unity across generations In this fest some of the major sports results are

S. No.	Sports	Winner	Runner-up
1.	Athletics	2 nd year	1 st Year
2.	Basketball	2 nd year	4 th year
3.	Badminton	1 st Year	3 rd year
4.	Cricket	2 nd year	1 st Year
5.	Football	3 rd year	1 st Year
6.	Volleyball	3 rd year	2 nd year



PG Sports Fest(1st March to 10th March 2024)

For PG Sports fest, around 100 of our postgraduate students, faculties, and departmental staff participated in eight sports events, including badminton, cricket, table tennis, football, tennis, volleyball, chess, and athletics, bringing laurels to their departments in various sports.

S. No.	Sports	Winner	Runner-up
1.	Badminton Boys	Physics	Mathematics
2.	Badminton Girls	Chemistry	CEE
3.	Cricket	Physics	CEE
4.	Table Tennis	Physics	Computer Science Engineering
5.	Football	CSE	Electrical Engineering
6.	Tennis	Chemistry	Mechanical Engineering
7.	Volleyball	Physics	Mechanical Engineering
8.	Chess	Physics	Computer Science Engineering
9.	Overall Athletics winners Boys	MME	Mathematics
10.	Overall Athletics winners Girls	CEE	Mathematics



'Battle of Boots' futsal tournament (26th-27th of Aug 2023)

IIT Patna football team won the runners-up trophy in the 'Battle of Boots' 5v5 futsal tournament in Patna on August 26th and 27th, 2023.



Spardha, IIT BHU Sports fest (13th-15th October 2023)

A total contingent of 24 members from IIT Patna participated in "Spardha," the annual sports festival of IIT Patna. IIT Patna did not receive any medals for the games they participated in Spardha event

Shaurya-2023-IIT Kharagpur Sports fest (13th to 15th October 2023)

IIT Patna delivered an exceptional performance at Shaurya, the prestigious inter-college fest hosted by IIT Kharagpur, where a contingent of 62 members from IIT Patna participated in this 3-day sports event. Student achievements include:

S. No.	Sports	Name	Result
1.	Athletics Men's	Ankit Sawate (3 rd Year, UG) Krishna kant (2 nd year, UG)	Bronze 1500 m Bronze 5000 m
2.	Athletics Women's	Preeti Kumari (2 nd Year, UG) Preeti Kumari (2 nd Year, UG)	Bronze 400 m Bronze 1500 m
3.	Men's Volleyball	IIT Patna	Bronze
4.	Women's Volleyball	IIT Patna	Silver



Parakram, IIT Dhanbad's sports fest (8th-10th March 2024)

In March 2024, at **Parakram, IIT Dhanbad's sports festival**, IIT Patna's athlete **Santosh Yadav**, a first-year undergrad student, won a **gold medal** in the **400-metre hurdles** and a silver in the **400-metre race**, showcasing his versatility and promising future in athletics.



IIT Patna Sports unit Honors

- » **Dr. Karunesh Kumar**, Sports Officer was awarded "Bihar Rajya Khel Samman 2023" – The State Sports Award by Honourable Sports Minister Government of Bihar on National Sports Day in a state hosted function at Gyan Bhawan Patna on 29th August 2023.
- » **Mr. Shyam Kumar**, Coach Basketball was awarded "best employee award" for the 2023-24 session in institute hosted republic day function by the Honourable Director IIT Patna on 26th Jan 2024.
- » **Dr. Kiran** has published a research article in Journal for Re-Attach Therapy and Developmental Diversities titled "A Comprehensive Analysis: Sports Imagery Ability of State-Level Badminton Players from North-Eastern States in India."

Centre for Endangered Language Studies

A brief report on the Centre for Endangered Language Studies

Academic Events and Media Coverage

A. The two- day International Conference on "Language, Culture, Cognition: Viability of Languages"

The conference was successfully conducted at IIT Patna from 5-6 March 2023 with a follow up discussion on March 7 to streamline the efforts towards language preservation. The major objective of the conference was to create awareness about the significance of the relationship between language and culture in shaping human cognition. The conference objective was very much aligned with NEP 2020. A total of forty- five research papers was presented with over hundred participants attending the conference in different capacities. Director IIT Patna, Prof. T.N. Singh emphasized the use of mother tongue in everyday life despite facing mainstream linguistic marginalization especially in metropolitan city discourse. The keynote speaker Prof. Girish Nath Jha, Chairman CSTT and a linguist at Jawaharlal Nehru University urged the academia to work in tandem especially in the domain of computational linguistics. Chief guest Prof. Christopher Sinha, University of East Anglia, England spoke about intercultural

relations tracing his own roots to Bihar. Prof. Vikram S. Sirola of IIT Bombay deliberated upon the need to have an interdisciplinary approach to understand the effects of language on cognition. He also appreciated the huge participation from young undergraduate and postgraduate scholars from across India. All the distinguished speakers and the participants applauded the efforts of the Centre for Endangered Language Studies at IIT Patna. Conference conveners Prof. Nalin Bharti, Prof. Smriti Singh and the conference coordinators Dr. Sweta Sinha and Dr. Priyanka Tripathi assured of similar such events in future. Dr. Sweta Sinha, the center coordinator commented that language issues in Bihar are alarming and there is an increasing tendency in the native speakers to hide their linguistic identity. The organizing committee along with the expert speakers deliberated upon the future plan of action to create greater visibility of the Centre for Endangered Language Studies.



Conference Lamp Lighting and Group Photograph



B. Continuing Education Programme on “Media and Communication Studies”

The Centre for Endangered Language Studies and the Department of Humanities and Social Sciences, IIT Patna successfully conducted three day CEP course on Dec 16-18, 2022 on “Media and Communication Studies” in the online mode. Dr. Sweta Sinha coordinated the course where eminent resource persons like Prof. Anubhuti Yadav (IIMC, New Delhi), Prof. Atish Prashar (CUSB), Prof. Mukul Srivastava (University of Lucknow) and Prof. Nalin Bharti (IIT Patna) delivered lectures on various topics related to media and communication like Media and Language, Journalism: theory and

Practice, New Media and its challenges, Media Ethics and COVID 19. Guest talks from Prof. (Retd.) Shreesh Chaudhary, IIT Madras and Shri Kumar Kaustubh (TV Today) were very informative. The CEP closed with a panel discussion of media personnel from Doordarshan and ZEE where Ms. Minati Chaklanavis, Mr. Amit Kanaujia and Ms. Rinki Singh emphasized on the need of media literacy. The course was co-coordinated by Prof. Smriti Singh. The course was attended by participants from across India who provided excellent feedback for the all the sessions.



CEP Online Sessions



C. Project Grant

- a. A two- year major project has been granted to IIT Patna for the proposal “Investigating the Socio-cognitive Effects of Gender Stereotyping in the Linguistic Landscape and its Impact on the Balance of Opportunities: A Mixed Methods and Multi- modal Study of Technical Educational Institutions of Eastern India”. Principal Investigator: Dr. Sweta Sinha, HSS, IIT Patna. Sponsoring Agency: Indian Council of Social Science Research, Major) (2023- 2025)- Ongoing
- b. A one- year major project grant for the proposal “Designing Disaster Preparedness Training Modules using Indigenous Knowledge and Increasing Community Awareness through Contextualized Techniques in Bihar”. Principal Investigator: Dr. Sweta Sinha, HSS, IIT Patna. Sponsoring Agency: Indian Council of Social Science Research, Major)- Completed

D. Research papers published:

- » Bhattacharjee, M & Sinha, S. (2023). Sustainability Lessons in Traditional Bengali Proverbs”, *Ecocycles*. 9(3).
- » Kumar, V., & Sinha, S. (2023). Morphophonemic analysis of inflectional morphemes in Indo-Aryan languages: A case of emphatic constructions in Magahi. *Dialectologia* 33.
- » Begum, Nusrat & Sweta Sinha, (2023) “The Visibility and Salience of Languages in an Urban Agglomeration: A Case Study” in *International Multilingual Research Journal*. Taylor and Francis.
- » Bhattacharjee, M., & Sinha, S. (2023). A cognitive analysis of animal imagery in digital discourse: A case study of Bengali tweets. *Journal of World Languages*. De Gruyter Mouton.

- » Bhujel, Birendra & Sweta Sinha (2023). Ethnolinguistic Revitalization among Nepali Communities in Darjeeling: In Search of Forgotten Identity in the Handbook on Endangered South Asian and Southeast Asian Languages to be published by Springer Nature.
- » Toppo, Ravina & Sweta Sinha. (2022). "Identifying Acoustic Cues for Dialect Profiling: Policing in Multilingual Communities of India" in Vol. 12 (2) in the Indonesian Journal of Applied Linguistics.

Media Coverage



IITP organises international conference on Culture, Cognition and Globalization



OUR CORRESPONDENT

PATNA: The Centre for Endangered Language Studies, IIT Patna and Department of Humanities and Social Sciences, IIT Patna organized an international conference in collaboration with CILL, Mysore. The conference was inaugurated on Sunday.

The chief guest, Prof. Christopher Sinha outlined the essence of language extinction as a matter of life and death. The Director, IIT Patna exhorted to participants to feel proud of their mother tongues. He said that the relation between

by Prof. Girish Nath Jha, professor and chairman, JNU and Commission for Scientific and Technical Technology (CSTT), Ministry of Education. He talked about various scopes in language studies and technologies. He also discussed about opportunities in areas of language preservation through technology. The conveners, Prof. Nalin Bharti and Prof. Smriti Singh laid down the focus of the conference on language preservation and language documentation. ADean RD Prof Keshri talked about linguistic sustainability. The HOD, Dr. Priyanka Tripathi

संस्कृति, अनुभूति और वैश्वीकरण पर अंतर्राष्ट्रीय सम्मेलन

बिहटा (आससे)। तृतीय भाषा अध्ययन केंद्र, आईआईटी पटना और मानविकी और सामाजिक



विज्ञान विभाग, आईआईटीबिहटा। पटना ने सीआईआईएस, मैसूर के सहयोग से एक अंतर्राष्ट्रीय सम्मेलन का आयोजन किया गया।

रेखांकित किया। आईआईटी पटना के निदेशक ने प्रतिभागियों से अपनी मातृभाषाओं पर गर्व महसूस करने का आह्वान किया।

गिरीश नाथ झा, प्रोफेसर और अध्यक्ष, जेएनयू और वैज्ञानिक और तकनीकी प्रौद्योगिकी आयोग (सीएसटीटी), शिक्षा मंत्रालय द्वारा

दिया गया। उन्होंने भाषा अध्ययन और प्रौद्योगिकी के विभिन्न क्षेत्रों के बारे में विस्तार से चर्चा किया। उन्होंने प्रौद्योगिकी के माध्यम से भाषा संरक्षण के क्षेत्रों में अवसरों के बारे में भी चर्चा की। अपने संबोधन में प्रोफेसर गिरीश नाथ झा ने इस बात पर जोर दिया कि भारत को अपने एआर की जरूरत है, इसे बेहतर एआई व लिए अपने स्वयं के भाषाविदों और दार्शनिक परंपराओं पर निर्भर होना चाहिए।

प्रो विक्रम सिरोला ने अपने पुस्तक में भाषाई निर्धारणवाद और सामाजिक रचनावाद पर बात की। इ अंतर्राष्ट्रीय सम्मेलन में प्रतिभागियों द्वारा 41 पेपर प्रस्तुत किए जाएंगे। संयोजक प्रो. नलिन भारती और प्रो. स्मृति सिंह ने भाषा संरक्षण और भाषा प्रलेखन पर सम्मेलन प्रकाशित किया। एडीन प्रो केसरी ने भाषा स्थिरता के बारे में बात की। एचओडी डॉ. प्रियंका त्रिपाठी ने अतिथियों का स्वागत किया और एचएसएस विभाग में शोधों की रूपरेखा प्रस्तुत की। डॉ. शैल सिन्हा ने धन्यवाद ज्ञापन किया

Upcoming Academic Activities

- » A digital repository for the idioms and proverbs of Magahi and Bhojpuri is being created. Data from the field has already been collected and it is now being digitized.
- » Five research papers (in addition to the list of publication provided earlier) have been accepted for publication in internationally peer-reviewed journals. These research papers provide insights into the various linguistic uniqueness of the languages which are otherwise lesser known in the region.
- » A series of workshops on research paper writing is also being planned under the aegis of the Centre for Endangered Language Studies where the direct beneficiaries would be the research scholars of the colleges and universities of Bihar and Jharkhand.
- » A workshop on the scripts of the languages spoken in Bihar and adjoining areas is being planned in collaboration with Nava Nalanda Mahavihara especially for Kaithi and Mithilakshar.
- » A conference on the significance of Indigenous Knowledge System encoded in the languages of Bihar along with the rich philosophical heritage and its implementation in the curriculum aligned with NEP 2020 is also being planned towards the end of the year. The proposal for sponsorship has already been sent to relevant agencies.



Centre for Earthquake Engineering Research

Organized a Workshop: Seismic Evaluation of Masonry Buildings based on Rapid Visual Screening (RVS)

guidelines, 24th-25th Feb 2023 along with Bihar State Disaster Management Authority (BSDMA). Organizing members:

Dr. Vaibhav Singhal and BSDMA team



Ongoing Sponsored Project in the area of Earthquake Engineering:

- » DST FIST (Level C category): To strengthen the research facilities in the Department (Bi-axial Shake Table).
- » Low-cost metallic grouted anchors for strengthening of masonry structures. [DST, TDP programme, 36.92 lakh], PI: Dr. Vaibhav Singhal
- » Development of Guidelines for Seismic Evaluation and Strengthening of Old Masonry Buildings in Bihar Based on a Pilot Study. [BSDMA, Bihar, 12.14 lakh], PI: Dr. Vaibhav Singhal.
- » Seismic Strengthening of Unreinforced Masonry Buildings using Ferrocement Bands, PI: Dr. Vaibhav Singhal with Dr. Hemant B Kaushik, IIT Guwahati [CSIR-EMR, 28.9 lakh]
- » Microzonation of Patna City for better preparation during Future Earthquakes, PI: Dr. Pradipta Chakraborty, [Science and Engineering

Research Board (SERB) under core research grant (CRG), DST, 28.02 lakh]

- » Dynamic Behaviour of Sand in Quaternary Alluvial Deposit Containing Soil Lumps, PI: Dr. Pradipta Chakraborty, Co-PI: Dr. Ramakrishna Bag, [BRNS, 31.37 lakh]
- » Robust and reliability-based design optimization and performance assessment of superelastic shape memory alloy (SMA) damper for seismic vibration control of structure, PI: Dr. Sourav Gur [SERB (SRG), 16.72 lakh]

Invited talks

1. Singhal, V. "Principles of Confined Masonry" during Workshop on *From Temporary Shelter to Semi-Permanent Homes* Organised by Smart Shelter Foundation (SSF), March 2024.
2. Singhal, V. "Analysis and Design of Confined Masonry" during *Global Symposium on Recent Advancements and the Way Forward in Confined Masonry Construction Practice* Organised by UNESCO Chair at University College London, February 2024.

3. Singhal, V. "Earthquake Resilient Buildings –Learning from Traditional and Modern Construction Techniques" during *Earthquake Awareness Week* Organised by Darbhanga College of Engineering, Darbhanga, India, January 2024.
4. Singhal, V. "Confined Masonry: An Alternative Earthquake Resistant Housing" Organised by Department of Civil Engineering University of Patras, Greece, December 2023.
5. Singhal, V. "Strengthening of Masonry Using Externally Bonded Cementitious Matrix Grid" Guest Lecture Organised by IA StructE, IIIT Hyderabad Student Chapter, November 2023.
6. Singhal, V. "Learning from the Performance of Structures in Past Earthquakes" *Keynote Lecture* Organised by Indian Concrete Institute, Varanasi Center and UltraTech Cement Limited, Varanasi, May 2023.
7. Samanta, A. "Resilient Inclusive Infrastructure" to commemorate Earthquake Safety Week, Organised by Development Management Institute Patna, Udyog Bhawan, East Gandhi Maidan, Patna, January 2024.

Publications

Journal Publications

8. Faridi, M. A., Roy, K., and Singhal, V. (2024). Damage quantification in beam-type structures using modal curvature ratio. *Innovative Infrastructure Solutions*, 9(2), 1-22.
9. Gupta, A., & Singhal, V. (2023). Strengthening of Confined Masonry Walls Using Reinforced Cementitious Matrix Subjected to In-Plane Loads: A State-of-The-Art Review. *Journal of Earthquake Engineering*, 1-17.
10. Borah, B., Naik, S., Abhishek, V., Kaushik, H. B., and Singhal, V. (2023). Influence of Wall Openings on Nonlinear Lateral Load Response of Reinforced Concrete Frames with Masonry Infills: A Finite Element Study. *International Journal of Civil Engineering*, 1-19.
11. Borah, B., Kaushik, H. B., and Singhal, V. (2023). Analysis and Design of Confined Masonry Structures: Review and Future Research Directions. *Buildings*, 13(5), 1282.
12. Tripathy, D. and Singhal, V., (2023). "Behaviour and Design of Masonry Strengthened with Steel Wire-Reinforced Cementitious Matrix under Flexure," *ASCE Journal of Composites for Construction*, 27 (2), <https://doi.org/10.1061/JCCOF2.CCENG-4032>.
13. Borah, B., Kaushik, H. B. and Singhal, V., (2023). "Evaluation of modeling strategies for gravity and lateral load analysis of confined masonry structures," *Bulletin of Earthquake Engineering*, 21, 1273-1301.
14. Faridi, M. A., Roy, K. and Singhal, V., (2023). "Perturbation Approach for Damage Localization in Beam-type Structures: Analytical, Experimental and Numerical Exposition," *Journal of Structural Integrity and Maintenance*, 8(2), 111-120.
15. N. Jauhari, A. Hegde and P. Chakraborty (2024), "Vibration mitigation using dual-open and infilled trenches in layered soil media: Field tests and numerical simulations", *Computers and Geotechnics*, 170, 106283, Elsevier. [IF:5.383 (Scopus), 4.956 (WoS)], Accepted in March, 2024. <https://doi.org/10.1016/j.compgeo.2024.106283>
16. P. Mishra, and P. Chakraborty (2024). "Prediction of void ratio and shear wave velocity for soil in quaternary alluvium using cone penetration tests", *Bulletin of Engineering Geology and the Environment*, 83(3), 88. [IF:4.641 (Scopus), 4.298 (WoS)] <https://doi.org/10.1007/s10064-024-03587-z>
17. R. Popescu, and P. Chakraborty, (2023) "Mechanism of seismic liquefaction for heterogeneous soil", *Journal of Soil Dynamics and Earthquake Engineering*, 176, 108339, Elsevier. [IF:4.324 (Scopus), 3.718 (WoS)] <https://doi.org/10.1016/j.soildyn.2023.108339>
18. A. Paul, P. Chakraborty, A. Burman and Sapan Kumar (2023). "Probabilistic seismic hazard assessment of Sitamarhi in the central Himalayan region", *Journal of the Geological Society of India* (Accepted in October 2023). [IF:1.436 (Scopus), 1.459 (WoS)]
19. P. Chakraborty, L. S. Srivastava and Pintu Kumar (2023), "A simple analytical model for bamboo-reinforced slopes using modified Bishop method", *Frontier in Built Environment, Geotechnical Engineering section*, 9. [IF:2.94 (Scopus), NA(WoS)] <https://doi.org/10.3389/fbuil.2023.1080318>
20. T.S. Bandyopadhyay, P. Chakraborty and A. Hegde (2023) "Seismic performance of mechanically stabilized earth walls with sand-crumb rubber backfills of varying proportion", *Construction and Building*

Materials, 389, 131717, Available online from May 2023. [IF:8.06 (Scopus), 6.141(WoS)] <https://doi.org/10.1016/j.conbuildmat.2023.131717>

21. T.S. Bandyopadhyay, P. Chakraborty and A. Hegde (2023), "Interaction between geogrid and sand-crumb rubber mixtures in laboratory pullout conditions", *Innovative Infrastructure Solutions*, 8 (5), 81-99, Available online from April 2023. [IF:2.799 (Scopus), NA (WoS)] <https://doi.org/10.1007/s41062-023-01112-x>
22. Upadhyaya S and Gur S (2023), Performance of Shape Memory Alloy Lead Rubber Bearing (SMA-LRB) Isolated Building Under Blast-Induced Ground Motion Considering Parametric Uncertainty, *International Journal of Structural Stability and Dynamics*, 23 (06), 2350061.
23. Sama KJ, Kumar S and Gur S (2023), Stochastic Response Analysis of Connected Buildings against Random Earthquake using SMA and Yield Damper, *Indian Journal of Environmental Protection*, 42(13), 1539-1547.
24. Kant, L., & Samanta, A. (2024). Nonlinear Analysis of Building Structures Resting on Soft Soil Considering Soil-Structure Interaction and Structure-Soil-Structure Interaction. *J. Inst. Eng. India Ser. A*, <https://doi.org/10.1007/s40030-024-00788-3>
25. Mishra, S & Samanta, A. (2023). Seismic response of multi-storied building with shear wall considering soil-structure interaction in Patna, India, *Structures*, 56, 2023, 104877, <https://doi.org/10.1016/j.istruc.2023.104877>.
28. Borah, B., Kaushik, H.B., and Singhal, V., (2023). "Sensitivity of Seismic Force Distribution to Key Parameters of Confined Masonry Buildings," *Proceedings of the 13th Structural Engineering Convention (SEC-2023)*, Paper no. 159, Nagpur, India.
29. Tripathy, D. and Singhal, V., (2023). "Strengthening of masonry walls with openings using steel wire reinforced Cementitious matrix (SWRCM)," *Proceedings of the International Conference on Condition Assessment, Rehabilitation & Retrofitting of Structures (CARRS 2023)*, IIT Hyderabad, Hyderabad, India.
30. Tripathy, D. and Singhal, V., (2023). "Sensitivity Analysis of Parameters on the In-Plane Behavior of Unreinforced Masonry Wall Strengthened with Steel Wire Reinforced Cementitious Matrix (SWRCM)," *Proceedings of the 14th North American Masonry Conference (14NAMC)*, Omaha, Nebraska, United States [Received Outstanding Paper Award].
31. Borah, B., Kaushik, H.B., and Singhal, V., (2023), "Experimental Validation of a Design Methodology for Tie-Columns of Confined Masonry Buildings," *Proceedings of the 14th North American Masonry Conference (14NAMC)*, Omaha, Nebraska, United States.
32. A. Paul, and P. Chakraborty, (2023). "Cyclic Behaviour of Loose Alluvial Sand Containing Soil Lumps". *Indian Geotechnical Conference, IGC 2023*, 14-16th December, Roorkee, India.
33. N. Jauhari, A. Hegde and P. Chakraborty (2023). "Numerical investigation of vibration screening using single and dual open trenches in layered soil media", 10th European Conference on Numerical Methods in Geotechnical Engineering, International Society for Soil Mechanics and Geotechnical Engineering, June 2023, London, United Kingdom.
34. Sama KJ and Gur S (2023), Optimal design of SMA damper for vibration control of connected building under random seismic excitation, *Materials Today: Proceedings*, <https://doi.org/10.1016/j.matpr.2023.03.554>.
35. Sama KJ and Gur S (2023), Performance comparison of yield and SMA damper on pounding vulnerability reduction for adjacent buildings under seismic loading, the 2023 World Congress on Advances in

Conference/Symposium/Seminar Papers

26. Gupta, A. and Singhal, V., (2023). "Efficacy of Confining Elements Around the Openings in Confined Masonry Walls," *Proceedings of the 13th Structural Engineering Convention (SEC-2023)*, Nagpur, India.
27. Kumar, R., Singhal, V., and Gur, S., (2023). "Performance Assessment of Superelastic Slit Damper (SSD) as the Seismic Retrofitting Device for Buildings," *Proceedings of the 13th Structural Engineering Convention (SEC-2023)*, Paper no. 044, Nagpur, India.

Structural Engineering and Mechanics (ASEM23), GECE, Seoul, Korea, August 16-18, 2023.

36. Upadhyaya S, Gogineni N and Gur S (2023), Performance Assessment of SMA-LRB Isolated Building Structure Due to Underground Blast-Induced Ground Motion, Recent Trends in Construction Technology and Management, Lecture Notes in Civil Engineering, Springer, Singapore, 260, 861-874.
37. Kashyap S, Upadhyaya S and Gur S (2023), Seismic Performance of Superelastic SMA Damper Retrofitted Building, Proceedings of the 12th Structural Engineering Convention, SEC 2022: Themes 12-19, 1 (5), 1633-1640.
38. Roychowdhury D and Gur S (2023), MR Tuned Liquid Colum Damper (MR-TLCD) for Seismic Vibration Control, Proceedings of the 12th Structural Engineering Convention, SEC 2022: Themes 7-11, 1 (4), 1139-1147.
39. Singh P, Gur S and Roy K (2023), Seismic Performance of Coupled Buildings Connected by Yield and SMA Dampers, Proceedings of the 12th Structural Engineering Convention, SEC 2022: Themes 7-11, 1 (4), 1129-1137.
40. Sama, K. J. and Gur, S., (2023). "Optimal design of SMA damper for vibration control of connected building under random seismic excitation," Materials Today: Proceedings, (in press DOI: <https://doi.org/10.1016/j.matpr.2023.03.554>).
41. Upadhyaya, S., Gogineni, N. and Gur, S., (2023). "Performance Assessment of SMA-LRB Isolated Building Structure Due to Underground Blast-Induced Ground Motion," Recent Trends in Construction Technology and Management (Lecture Notes in Civil Engineering), 260, 861-874.



Foundation for Innovators in Science and Technology

A NIDHI-TBI funded by DST, Govt. of India

1. From Director's Desk

Annual report of an incubation centre depicts the stages of progress the centre has made over the years step by step. These are valuable documents recording the history of an incubation centre. Foundation for Innovators in Science and Technology (FIST) at IIT Patna is developed under the NIDHI-TBI initiative of the Ministry of Science & Technology, Department of Science & Technology, Government of India.

The highlight of 2020-21 has been the momentum of joining the first Incubatees batch. At present, the selection of a new business plan for the 11th batch is going on. There has been continuous progress taking place with infrastructure creation, Incubatees mentoring, financial support of acceleration fund, contingency support, and new lab development, patent granted and filling, products development, etc. FIST, IIT Patna has always been responsive to and responsible for Incubatee's needs. The interaction with the Incubatees continues to be mutually fulfilling. Many new training programs, short-term courses, workshops, new technology sensitization programs, etc. have been organized for incubatees, and also our aim is to conduct all training programs which are related to support for start-ups. Our parent DST's continued support in this growth and expansion endeavour is gratefully acknowledged.

The varied roles of FIST, IIT Patna can be seen in enabling innovations, industry partnerships, R&D programs, licensing, industry visits, etc. Agriculture, Manufacturing, Energy, Water Harvesting, AI/IoT/ML/DL/Deep Tech, Health-Tech, Electrical Vehicle (EV) Technology, Drone Technology, Robotics and Automation, Green Energy, and other Innovative Products/Services. Currently, the total

number of incubates/start-ups 35+ are being incubated at FIST, IIT Patna.

FIST IIT Patna is also providing on hybrid mode for mentoring and technical support to incubatees. Additionally, FIST IIT Patna has initiated efforts to facilitate FIST's incubatees through the recently established INDO-JAPAN CoE (Entrepreneurship and Technology Transfer) at FIST, IIT Patna.

Wishing everyone the best in their future entrepreneurial endeavours!

2. About the FIST, IIT Patna

Foundation for Innovators in Science and Technology (FIST) at IIT Patna is developed under the NIDHI-TBI initiative of the Ministry of Science & Technology, Department of Science & Technology, Government of India. It is registered as a Section 8 company under the Ministry of Corporate Affairs.

It administers a technology business incubator (TBI) that provides 'Start to scale' support for technology-based entrepreneurship and facilitates the conversion of research ideas into entrepreneurial ventures. It focuses on the incubation of ideas in the areas including but not limited to, Agriculture, Manufacturing, Energy, Water harvesting, and other innovative products/services.

2.1 Mission

- » To promote science and technology by establishing infrastructure facilities for research and development activities in the areas including but not limited to Agriculture, Manufacturing, Energy, and Water Management.

- » To provide a knowledge base and laboratory support to the budding entrepreneurs in this region.

2.2 Vision

- » To enable budding entrepreneurs to nurture and translate innovative ideas to create economically viable and commercially competitive technologies.

2.3 The objective of FIST, IIT Patna

- » To create jobs, wealth, and businesses aligning with national priorities.

- » To promote new technology/knowledge/innovation-based start-ups.
- » To provide a platform for speedy commercialization of technologies developed by the host institution or by any academic/technical/R&D institution or by an individual.
- » To build a vibrant start-up ecosystem, by establishing a network between academia, financial institutions, industries, and other institutions.
- » To provide cost-effective, value-added services to start-ups like mentoring, legal, financial, technical, and intellectual property-related services.

2.4 Governing Body



Prof. T. N Singh

Chirman, FIST & Director,
IIT Patna



Dr. Mrs. Anita Gupta

Head, NEB Division, NSTEDB
DST, GoI



Dr. Praveen Roy

NSTEDB Advisor & Head-TTI,
DST, Govt of India



Dr. Karali Patra

PIC, FIST, IIT Patna



Dr Anup Keshari

Director, FIST & Associate



Dr. Praveen Kumar

CEO, FIST, IIT Patna

2.6 Execution Team



Dr. Karali Patra

PIC, FIST, IIT Patna



Dr. Praveen Kumar

CEO, FIST, IIT Patna



Er. Raj Narayan Sharma

Engineer, FIST



Mr. Avinash Kumar

Assistant Office
Administrator, FIST



Mr. Sunil Kumar

Attendant, FIST



Mr. Priyambad Singh

MTS, FIST

2.7 Project Evaluation Team

S/no.	Name of Member	Name of the Institute/ Organization
1	Mr. Sailendra Kumar	Sr. General Manger, Cummins India, Pune
2	Dr. Santosh Kumar Sinha	Executive Director, Bihar Industrial Area Development Authority (BIADA), Patna
3	Dr. Harpreet Singh	Professor, Department of Mechanical Engineering & Dean (Industrial Consultancy, Sponsored Research & Industry Interaction), IIT Ropar, Rupnagar, Punjab.
4	Prof. Thillai Rajan A.	Professor, Dept. Management Studies, IIT Madras
5	Dr. Dushyant Singh	Sr. Scientist, ICAR-Central Institute of Agricultural Engineering, Bhopal
6	Mr. Sandro Stephen	Regional Head North India Operation at Indian Angel Network
7	Dr. Ranjan Behera	Associate Professor, Electrical Engineering, IIT Patna
8	Dr. Pramod Tiwari	PIC, IC and Associate Professor, Electrical Engineering, IIT Patna
9	Dr. Jimson Mathew	Associate Professor, Computer Science Engineering, IIT Patna
10	Dr. Asif Ekbal	Associate Professor, Computer Science Engineering, IIT Patna
11	Dr. Rishi Raj	Associate Professor, Mechanical Engineering, IIT Patna
12	Dr. Mayank Tiwari	Associate Professor, Mechanical Engineering, IIT Patna
13	Dr. Ramkrishna Bag	Assistant Professor, Civil and Environmental Engineering, IIT Patna
14	Dr. Subrata Hait	Associate Professor, Civil and Environmental Engineering, IIT Patna
15	Dr. Karali Patra	PIC, TBI and Associate Professor, Mechanical Engineering, IIT Patna
16	Dr. Praveen Kumar	CEO, FIST, IIT Patna

S/no.	Name of Member	Name of the Institute/ Organization
17	Mr. Ashok Chandravarkar	Director – Strategic Initiatives at Intel India
18	Mr. Sanjay Shukla	Head of Business Development – Tata Steel
19	Dr. A P Krishna	Head, DRS, BIT Mesra
20	Dr. Subhash Narayan	Founder & CEO Sascan Meditech Pvt. Ltd
21	Mr. Dyanand Tripathi	Head, Varun Beverages Ltd
22	Sri Prabhat Kr. Sinha	Co-Founder, Astric Group of Companies
23	Sri Sharad Maheshwari	Venture Partner, Venture Catalysts Pvt. Ltd.
24	Prof. Krishna Kumar Pande	Professor & Dean Teerthanker Mahaveer University Moradabad
25	Prof. M. K. Singh	IIT ISM Dhanbad
26	Prof. V. Kumar	VIT, Vellore
27	Prof. Sumer Singh	IIT DELHI

3. Infrastructure & Lab Facility of FIST, IIT Patna

FIST is set up in the IIT Patna campus to facilitate business ideas in the field of Agriculture, Energy, Manufacturing, Water Harvesting, and other Innovative Engineering Products/Services. It provides state-of-the-art facilities to the incubated start-ups to give them a head start in business. All possible needs of a start-up are taken care of from well-furnished office space and laboratory support for a successful commercial launch of product.

3.1 State-of-the-art co-working space and business support

Companies selected for incubation will receive infrastructure support and business support, including, but not limited to,

- » Fully furnished office and communication facility, PCs, high-speed internet.
- » Mentoring.
- » There is a standard process of reporting the development, and assessment mentoring after periodic intervals.
- » Seed funding.
- » Training program, Internship

- » Access to the ecosystem.
- » Business support connect.

3.2 State-of-the-art facilities for product development

- » Design, Dies, and Development (3D) lab (3D printing, 3D Scanner, high-speed computing, design, and manufacturing software like Solid works, SolidCAM, etc.
- » Machining and joining lab (CNC VMC machines, Abrasive waterjet cutting machine, robotic welding setup)
- » Department is equipped with an Automatic CNC VMC machine with a dedicated person for manufacturing
- » Measurement lab
- » Testing and Calibration lab.
- » Wide range of testing and calibration instrument.

4. Infrastructure & Lab Facility



FIST Office at Block 9, 5th floor
IIT Patna Office



Incubatees cabin



Conference HALL

4.1 Design, Dies, and Development (3D) Lab



4.2 Measurement and Testing Lab



4.3 Fabrication and Assembly Lab

MAJOR INSTRUMENT AVAILABLE IN FABRICATION AND ASSEMBLY LAB



Drill Machine



Spot Welding Machine



Pedestal Grinding Machine



Lab Space

4.5 Machining and Joining La

MAJOR INSTRUMENTS AVAILABLE IN THE MACHINING AND JOINING LAB



VMC Machine (HAAS-VF2)



Sample



**Abrasive Water
(Global MAX 1508)**



Sample



**TIG MIG
Welding
Machine**



5. Major Highlights of 2023-24

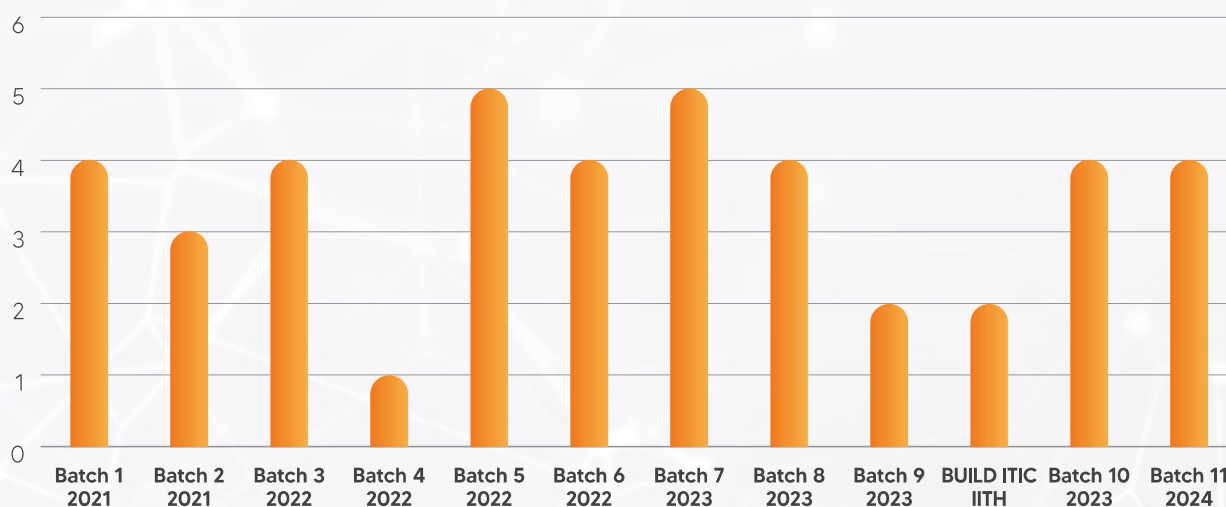
Major Assets / Facilities created / Equipment purchased by DST's funding.

- » Collaboration has been initiated with Dept. of Industries, Govt. of Bihar, Bureau of Indian Standards (BIS) Govt. of India, CIMP Bihar



6. Incubatee Strength of FIST-TBI

Growth of Startups- Total: 35+



7. Target ilestones achieved

#	No. of Startups to be graduated from TBI	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year		Total	
		Target	Actual achieved	Target	Actual achieved	Target	Actual achieved	Target	Actual achieved	Target	Actual achieved	Target (upto 3 yrs.)	Actual achieved
1	No. of new venture to be admitted for incubation	05	08	10	14	15	9	20	-	30	-	30	31
2	No. of venture to be graduated from the incubator	0	0	5	3	10	4	15	-	20	-	15	7
3	No. of new products / technologies to be developed / innovations to be commercialised	0	0	5	5	10	8	15	-	20	-	35	13
4	No. of training programme, conferences/ seminars/ workshops to be conducted	1	0	2	2	3	13	3	-	4	-	13	15
5.	Internships Offered	5	5	10	10	15	10	20		25		30	25

8. Patent Portfolio

- » Patent Granted: 03
- » Number of Patents filed: 07
- » Patent filling under process: 06

S. NO.	COMPANY	TITLE	APPLICATION NO.
1	M/S Portable Power Technology Private Limited	"A Battery Management System and A Method for Managing A Battery Using A Passive Balancing" A Method for Producing A Structurally Layered Positive Electrode Active Mass Material A Battery Management System for Ensuring Operational Safety of Battery Pack	Patent no-411032, Patent filed (Ref. no.- 202231015776)-(Yr. 2022) Patent no-530556, Patent filed (Ref. no.- 202331050127)- (Yr. 2023) Patent no-439565, Patent filed (Ref. no.- 202231065253)-(Yr. 2023)
2	Magtapp Technologies Pvt. Ltd.	A System To Display A Contextual Visual Meaning Of A Query And A Method Thereof	202221070064 (Provisionally Filed) (Yr. 2022)
3	Maas Innovators Private Limited	Electricity Marketing Device & System	202241050564-(Yr. 2023)
4	M/S Cooling And Ventilation Enterprise Pvt Limited	Cooling System and Its Cooling Method Thereof	202321035015- (Yr. 2023)
5	Parakhi Skill Systems Private Limited	360-Degree View of A Driver	202231065282- (Yr. 2023)
6	Gublet Instrulogy Private Limited	Machine Manufactured Violin	202331078388- (Yr. 2023)
7	Clinical Ai Assistance Private Limited	System And Method for Automatic Disease Diagnosis System And Method for A Knowledge-Infused Multi- Modal Symptom Investigation and Disease Diagnosis Assistant	202331005983 (Yr. 2023) 202431003001 (Yr. 2024)

9. Collaborations/ Networks established with industry/ academia

Collaboration with an identified industry or academia of repute and other institutions of repute focusing on their expertise in innovation, research, commercialization, and startup promotion such as IIT Delhi, IIT Mandi, IIT Madras, IIT Hyderabad, STPI, IKP Hyderabad, IIT Bombay, iCreate, ASSOCHAM, NASSCOM, ICC, CII, TurnTide, USA etc.

S. No.	Name of the Institution	Area of Collaboration	Status
1	IIT Mandi	Mentoring, Business expansion,	Collaboration Started
2	IIT Delhi	Industry connects, Resource sharing, Mentoring	Collaboration Started
3	IKP Hyderabad	IPR services, training, Resource sharing	Collaboration Started
4	IIT Madras	Entrepreneurship, Resource sharing	U/P
5	IIT Hyderabad	Industry connects, Resource sharing	Collaboration Started
6	SINE, IIT Bombay	Organizational support, Mentoring, Helping in business extension	Collaboration Established
7	STPI	Start-up Support, Ecosystem connect	U/P
8	CII	Industry Connect	Collaboration Started
9	Bihar Industry Association	Industry Ecosystem	U/P
10	TurnTide, USA	R&D, Mentoring, Business Development support, etc.	Collaboration Started
11	Renaissance Technology	Resource Sharing, Industry connects	Collaboration Started
12	Samsung India	Industry Connect	Collaboration Started
13	IIT Ropar	Resource Sharing, Industry Connect	Collaboration Started
14	CEDI, NIT, Trich	Resource Sharing, Industry Connect	U/P
15	Incubation Centre Sri University, Cuttack, Odisha	Support	Collaboration Started

10. MoU Signed with Industry/ Institutions

S. No.	Institute	Status	Year
1	iTIC IIT HYDERABAD and FIST -TBI IIT Patna	Signed	02/06/2023
2	Renaissance Technology and FIST-TBI IIT Patna	Signed	13/03/2023
3	TIH IIT Patna	Signed	June 2024

11. Details of major activities and programs conducted for the promotion of I&E

11.1 INDO-JAPAN CoE (06TH August, 2023)

The number of participants- Approx. 100+

FIST-TBI, IIT Patna has established an Indo-Japan Center of Excellence (Technology Transfer & Entrepreneurship) “Nihon No Hako”. An inaugural ceremony is scheduled on Sunday, 06th August 2023, at FIST-TBI, 5th Floor, Block-9, IIT Patna.

**IIT PATNA WELCOMES
INDO-JAPANESE DELEGATES TO THE
INAUGURATION OF THE COE**

**“NIHON NO HAKO”
(Technology Transfer & Entrepreneurship)**

Presided over by
Prof. T.N. Singh
Chairman, FIST-TBI-cum-Director,
IIT Patna

Date & Time: Sunday, Aug. 6th, 2023
Venue: FIST-TBI, Block-09, 5th Floor

Chief Guest
Mr. Takashi Suzuki
Chief Director General, JETRO,
India

Guests of Honour

Mr. Taku Hiroki Director, JETRO	Mrs. Harue Mitabe Fukaya International	Prof. Yoshihiro Azuma IIT, Delhi	Mr. Sandeep Singh JETRO	Mr. Keiji Nakajima Ex. CMD, Sumitomo	Dr. LIM Chou Phung RF, Strategy and Entrepreneurship, SMU
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11.2 Build Program Virtual Roadshow (21st July, 2023)

The number of participants- Approx. 50+.

FIST-TBI, IIT Patna & ITIC Incubator at IITH has organised a Virtual Roadshow for BUILD on 21st July 2023, at 11:30 AM where we'll be discussing more details about the BUILD

AN INITIATIVE OF FIST-TBI, IIT PATNA

VIRTUAL ROADSHOW

KICKSTART YOUR JOURNEY FOR STARTUP

BOLD & UNIQUE IDEA LEAD DEVELOPMENT

REGISTER: - <https://forms.gle/1R1hxAhDjxeJXwL18>

11.3 Build Program Boot Camp (4 & 5 April 2024)

The number of participants- Approx. 30+.

The STARTUPS BUILD BOOTCAMP held at FIST-TBI, IIT Patna in collaboration with iTIC IIT Hyderabad, was an absolute blast, an incredible success, featuring participants from iTIC, IIT Hyderabad over two power-packed days on April 4th & 5th.



11.4 Institute Lecture (28th May, 2024)

The number of participants- Approx. 100+

The Institute Lecture by Dr. Sanjay K Srivastava, the Chief of Disaster Risk Reduction at UNESCAP, happening today at 3:00 PM on May 28, 2024, in the Senate Hall, IIT Patna.



5 Solve for Tomorrow- 2023 (21st April, 2023)

The number of participants- Approx. 200+

FIST IIT Patna organized "Solve for Tomorrow- 2023". The Hon'ble Director of IIT Patna Prof. T. N. Singh inaugurated the event with dignitaries for IIT Patna, NSIT, NIELIT IIT PATNA.



12. Actions plan for financial sustainability

12.1 Sources of revenue

- » The strategy is being evolved by raising funds from diverse sources to reduce dependency on grants. Bringing the external funds through government (Central and State) Ministries, organizations/agencies such as DST, DBT, MHRD, Startup India, Invest India, MeitY, MSME, TDB, TIFAC, DSIR, CSIR, NSTEED, NITI Aayog, AIM, ACIC, Department of Public Enterprises, GoI, etc.
- » Approaching private/MNCs, and corporate sectors to support funds under CSR as per Section 135 of the Company Act 2013, engage alumni networks for providing financial support, joint Meetings with CSRs heads of PSUs to promote PPP, etc.
- » To support incubatees, FIST is already approaching PSUs, industries, private/MNCs, and corporate sectors to support funds under CSR (Corporate Social Responsibility) as per Section 135 of the Company Act 2013.
- » FIST is also exploring the opportunity to engage alumni networks to provide financial support.
- » Joint Meeting with CSRs heads of PSUs to promote Innovators & Entrepreneurship.
- » Dept. of Industry, Govt. of Bihar
- » Industry consultancy

12.2 Revenue income (year-wise): Revenue generated from various services (Machinery Facilities).

Year	1 st Year (19-20)	2 nd Year (20-21)	3 rd Year (21-22)	4 th Year (22-23)	5 th Year (23-24)	Total
Revenue Generated (In Rs.)	-	-	Approx. 22000.00	Approx. 300000.00	Approx. 190000.00	512000.00

13. Start-Up Portfolio highlights

Sector	No. of Startups	Prototype Development	Notable achievements
Agriculture	6	4- Prototype Developed, 2- Pilot Phase	» Notable achievements-Patent Granted: 03 » Patent filled- 07
Water Management	1	1- Prototype Developed	» Showcasing of developed product at R & D Fair IIT Delhi on Oct. 14 th , 2022
Energy	5	4- Prototype Developed, 2- Pilot Phase	» 1 st Winner of RSD 2023 » 1 ST Winner of YUKTI 2023: Idea Category
Manufacturing	6	2- Prototype Developed, 1- Pilot Phase	» 1 ST Winner of YUKTI 2023: Innovation category » 4 Incubatees selected in GPAI 2023(CLINICAL AI ASSISTANCE PVT. LTD., SINCGRID, ADA LOVELACE SOFTWARE PVT LTD., NATCHHA IOT LAB PVT. LTD.)
Food Processing & QC	2	1- Prototype Developed, 1- Pilot phase	» State S&T Ministers' Conclave and EXPO at Science City, Ahmedabad- 9 th to 13 th September 2022
IT	6	2- Prototype Developed, 1- Rescaling of Business, 3- Pilot phase	» Invitation from MeitY this year to showcase product under AI exhibition at New Delhi
Environment	3	1- Prototype Developed, 1- Pilot phase	» Trade mark registered (Trade mark: GREENEXT MATERIALS ENERGY, Number: 6058146)
Health	2	1-Prototype developed	» 1 Lakh cash prize winner and all India second position at with GITAM University and possibly going for collaboration with Northeastern University, Boston USA.
Total	31+	16 Prototypes Developed	» VEDPRBHA AEROSPACE PVT. LTD: Product developed- Agriculture drones, Revenue generated; 8 crs., B2B, joined 100 crs club. Commercial deployed, MoU signed with IFFCO:Rs. 60 Crs. &UPL:Rs. 30 Crs. Total WO. received: 92 Crs. » PORTABLE POWER TECHNOLOGY PVT. LTD: Indigenous Design and Scaling up for performance control of energy storage modules Electronic Circuits; Product launched: LIGEN POWER INVERTER. Marketing B2B » GreeNext Materials Energy Pvt. Ltd: Product Developed: Electrolyte: This is produced by softening and de-mineralizing the underwater using a graphene- based ion-exchange method. Marketing B2B

14. Fund Status

Sanction fund: 11.60 crores (4.65 crore received so far)

BUDGET (Rs.in Lakh)

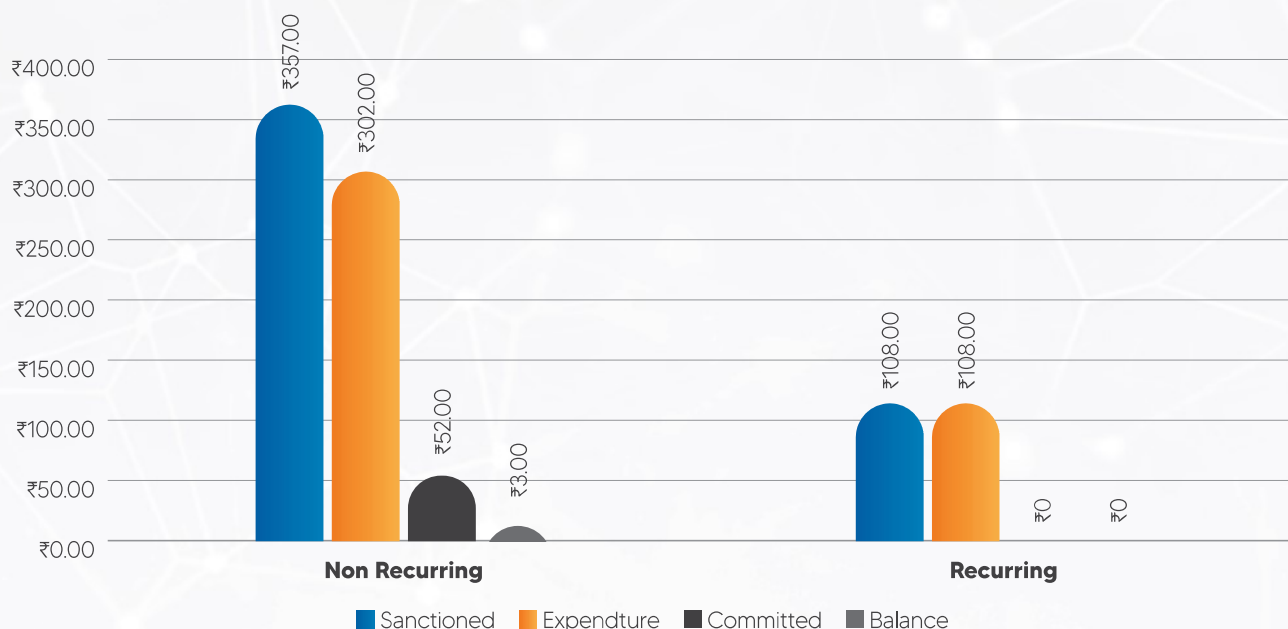
SL	Item of Expenditure	1 Year	IIrd	IIIrd	IV Yr	V Yr	Total
A	Non - Recurring						
a	"Renovation & finishing of space for NIDHI-TBI including electrical and LAN data cable wiring"	65.00	55.00	0.00	0.00	0.00	120.00
b	Thrust Area Equipments	214.00	73.00	0.00	0.00	0.00	287.00
c	D&D Rooms	43.00	42.00	0.00	0.00	0.00	85.00
d	Office Equipments and infrastructure including State - of - the - art communication network	25.00	15.00	0.00	0.00	0.00	40.00
e	Contingencies for non recurring expenditure and other items	10.00	15.00	0.00	0.00	0.00	25.00
	Total A (Non Recurring)	357.00	200.00	0.00	0.00	0.00	557.00
B	Recurring						
	Total B (Recurring)	108.00	111.90	118.40	127.00	138.00	603.30
c	DST's Contribution (% of B)	100%	100%	80%	60%	40%	
	Total C	108.00	111.90	94.70	76.20	55.20	446.00
	Total DST Contribution (A+C)	465.00	311.90	94.70	76.20	55.20	1,003.00
	Total Project Cost (A+B)	465.00	311.90	118.40	127.00	138.00	1,160.30

Means of Financing

Contributing Agency	Amount (Rs. in Lakh)
1 Contribution of DST (Non-Recurring Grant)	557.00
2 Contribution of DST (Recurring Grant)	446.00
3 Contribution of IIT (Recurring Grant)/Revenue generation from TBI activities	157.30
TOTAL	1160.30

14.1 Fund Utilisation Status (FY 2023-24)

Financial Status of 1st Installment (Rs. in Lakhs)



15. Developed Product at FIST-TBI IIT Patna



VED PRABHA AEROSPACE PRIVATE LIMITED

Flat No 501 Shiv Laxmi Plaza Opp Rajendra Nagar Terminal Kankarbagh Patna Patna Br 800020 In.

ESTABLISHMENT DATE: 15-11-2022 BRAND NAME: VAIMANIKA AEROSPACE SECTOR: DRONE MANUFACTURING

About the Business:

Our vision is to revolutionize industries through cutting-edge drone technology, driving innovation, efficiency, and sustainability. We aspire to be a global leader in autonomous aerial solutions, transforming how businesses operate and solve complex challenges.

Problem Statement:

Problem in spraying of crops in larger area of land and surveillance Product/Service offered: Drone manufacturing and solutions to optimize Drone Industries for Drone-As-A-Service for every sector where drones can make a difference

Solution offered/ Product Description:

Indigenous manufacturing of drones to cater to the needs of the agriculture sector and allied areas.

Key Highlights:

- Drone demonstration in front of CM Bihar at Bihar Business Summit, participated in Bihar Innovation challenge, drone demonstration at Bihar MSME Connect
- Revenue generated: 5 Cr
- Clients: IFCO, UPL, Bayer
- Winner Bihar Startup Awards 2024
- TRL: 9

Website:

<https://vaimanikaerospace.com/>










GREENEXT MATERIALS ENERGY PRIVATE LIMITED

Plot – 202, Greenext Materials Energy, Gumi Road, Chhaygaon, Kamrup, Assam – 781124
Office Number (Landline): 03623-291243 Mobile Number: +919387471528

ESTABLISHMENT DATE: 26-10-2022
BRAND NAME: GREENEXT
SECTOR: MANUFACTURING

About the Business:

GREENEXT MATERIALS INDUSTRIES is with a broader vision of developing sustainable materials, systems and solutions for industries, organizations and societies. The companies utilize advanced technologies to develop sustainable today and furthering to fulfil all the future aspects in daily ingesting, energy, health, education etc.

Problem Statement:
Hazardous effect of non-renewal energy on environment & human health and it's non availability.


Solution offered/ Product Description:
Targeted to serve the energy sectors with innovative technologies, products, and services based on green and renewable energy technologies.
Developing technology to facilitate the fabrication of Electrolyte-based metal batteries

Key Highlights:

- Trade mark: GREENEXT MATERIALS ENERGY, Number: 6058146
- Revenue generation, Investment raised.
- Product Developed: GREENEXT SUPER ELECTROLYTE (Market Entry Level)
GREENEXT CHARGING ELECTROLYTE (Developing stage)
GREENEXT BATTERY ELECTRODE (Ideation stage)
Revenue Generated: 6 lakhs
TRL: 7

Website:
<https://gmmaterials.com/>










MAGTAPP TECHNOLOGIES PRIVATE LIMITED

B244, Oshiwara Industrial center, off new link road, Goregaon west, Mumbai 400104

ESTABLISHMENT DATE: 20-02-2019
BRAND NAME: MAGTAPP
SECTOR: IT

About the Business:

Magtapp provides various in-app features such as tap visual meanings, Browser, News Section, Document Reader, and Quiz. Along with these in-app features users can access one-tap visual meaning features across major publishers' sites.

Problem Statement:
Difficulty in understanding any foreign word in print media and electronic media Solution- Making the app that can translate the word into pictorial meaning instead of translating in other languages.

Solution offered/ Product Description:
MAGTAPP APP

Key Highlights:

- Presence in 106 Countries
- 45 lakh+ App downloaded
- Fund Raised: 12 Cr
- Global Partnership on Artificial Intelligence - GPAI 2023
- Clients: NewsX, Sunday Guardian, Daily Guardian
- Patent Filed: 202221070064
- TRI: 9

Website:
<https://www.magtapp.com/>







PARAKHI SKILL SYSTEMS PRIVATE LIMITED

Flat No 2b, Block A, Harihar Residency Siyaram Marg, Shilpuri Patna BR 800023 IN.

ESTABLISHMENT DATE: 22-11-2022

BRAND NAME: DRIVUUM

SECTOR: IT

About the Business:
 Drivuum is a Drivers' Skill Rating Product captured through an in-house developed and structured patented (provisional filed) process made available ubiquitously. It makes a risk-assessment based on a 360° view of an individual giving a score on a continuum of 1-10 points. We call it Drivuum Score. It uses good amount of technology including AI, ML, Bot, Cloud hosted servers etc

Problem Statement:
 Nearly 72% of accidents are due to driving errors that have genesis in poor safety awareness, literacy levels, physiological conditions, and behavioral attributes, and also the absence of credible checks during the licensing process. **Solution-** Developing an App based product with processes that can weed out or classify drivers on a continuum of 1-10 helping end users to take appropriate calls. This product is expected to reduce losses by at least 20%, thus saving the nation ~ INR 1 trillion per annum annually.

Solution offered/ Product Description:
 DRIVUUM: With BE SAFE BE SURE tagline, Drivuum shall create a safety ecosystem through rating-based algorithm helping migrate drivers from a commodity to a brand based on their safety index. This process uses Operant Conditioning for product adoption and penetration.

Key Highlights:

- Provisionally patent filed (202231065282)
- CRRRI New Delhi, Apex Institute on road safety is guiding this project.
- BSRTC is on board for this project
- TRL: 5

Website:
<https://drivuum.com/>



"Distinction has to be made between who is a good human being and who is a good driver. If there is a convergence, nothing like it but oftentimes we tend to club the two unknowingly or overlook the risks associated with our belief system." ~ Subhash Chandra - Founder, Drivuum

[READ MORE](#)





ANAGHA INNOVATION PRIVATE LIMITED

Ho Niranjan Behera Trinath Behera Gandhinagar 6th Lane Town Gandhinagar Ganjam or 760001 IN.

ESTABLISHMENT DATE: 07-01-2022

BRAND NAME: ENERGY KIT

SECTOR: ENERGY

About the Business:
 ANAGHA INNOVATION PRIVATE LIMITED work in the area of Sustainable Green Energy Solutions with Solar, Wind, and Battery Storage. Design of Electric Vehicles and Fast Charger Infrastructure.

Problem Statement:
 Unavailability of power in remote locations in uneven situation **Solution-** Emergency Green Power Supply Unit.

Solution offered/ Product Description:
 An Emergency Green Power Supply Unit: Energy kit

Key Highlights:

- Showcasing of developed product at R & D Fair IIT Delhi on Oct. 14th, 2022
- Prototype Developed
- Ready to file patent
- TRL: 6





MAAS INNOVATORS PRIVATE LIMITED

CIN: U31900TN2022PTC153735 STARTUP ID: DIPPI09661
 GSTIN: 33AAPCM9756P1ZE MSME: UDYAM-TN-12-0055768
 Regd Off: P No: 16 B, Golden City Annex, Thirupparankundram, Madurai – 625005 Tamil Nadu, India.

ESTABLISHMENT DATE: 08-07-2022

BRAND NAME: POWAUTO PANEL

SECTOR: ENERGY

About the Business:

MAAS INNOVATORS PRIVATE LIMITED is one of the developing companies in India. It started its roots by functioning as a freelancer by two women entrepreneurs, both are Registered Patent Agents in India. Then, MAAS Research Solutions LLP was established to provide solutions to the research works in terms of documentation, mentoring, and supporting Patent filing. Later, the need for a manufacturing unit in their respective field of interest leads to the establishment of a private limited company.

Problem Statement:

- Untapped potential in energy harvesting & market
- Barriers in Microgrid – Land, Storage
- Lack of local market for electricity
- Co-operative production/consumption

Solution offered/ Product Description:

- Powauto Panel – A single affordable power automation panel for engagement of common people in electricity market.
- The panel works in on-grid, off-grid and hybrid modes of renewable systems
- The market strategies can be decided locally
- Adapts both global standards and local standards

Key Highlights:

- 1st Winner of YUKTI 2023: Innovation category
- Prototype Developed
- Patent Filed: 202241050564
- TRI: 5

Website:
<https://maas-researchsolutions.co.in/>



Powauto Panel
– A panel of Powerful Business



COOLING AND VENTILATION ENTERPRISE PRIVATE LIMITED

B-202, Panch Ratna Residency, Hathijan Vinzol Ahmedabad Ahmedabad GJ 382445 In

ESTABLISHMENT DATE: 05-08-2019

BRAND NAME: BINOCULAR

SECTOR: ENERGY

About the Business:

The older metallic big size coolers, which used to be mounted outside of the windows had better cooling capacity than today's plastic coolers on wheels. But they are not feasible today as more and more people are now living in high-rise apartments. There comes a need to design a cooling machine that uses the Evaporative cooling technique to its maximum capacity, to cool indoor spaces. This can be mounted on the wall and equipped with intelligence to keep optimizing for the best possible cooling generation and which can also talk to users and other devices in today's fashion.

Problem Statement:
 Hot Environment due to use of AC systems

Solution offered/ Product Description:
 Evaporative Cooling technology

Key Highlights:

- Provisional Patent filed: 202321035015
- Product is ready for launch
- First direct global cooling machine
- TRI: 6

Website:
<https://www.facebook.com/profile.php?id=61554259997366>





DK DHAR TECHNOLOGY PRIVATE LIMITED

C/O DIPAK CHANDRA DHAR 28 JOGENDRA NAGAR NEAR AGRADOOR, AGARTALA
TRIPURA West Tripura TR 799004 IN.

ESTABLISHMENT DATE: 03-07-2022 BRAND NAME: NATURAL WATER PURIFIER SECTOR: ENVIRONMENT

About the Business:

DK DHAR TECHNOLOGY PRIVATE LIMITED is a company set up by young motivated innovators. It uses technology to solve day-to-day life problems basically in the mountaineers and remote areas.

Problem Statement:

Identified- Unavailability of drinking water in mountaineer area, which cause illness Solution- Affordable solar based floating water purifier work directly in logged waters

Solution offered:

Solar based, floating natural water filter

Key Highlights:

- Showcased the product in the INNOVATION FESTIVAL 2023 Event.
- Showcased the product in the NATIONAL SCIENCE DAY 2023 Event.
- Govt. attention drawn for promotion in rural areas
- Prototype Developed
- Ready to file patent
- TRL: 8








LIGEN POWER INVERTER


POWERING YOUR WORLD EFFICIENTLY








www.ligenpower.com





LIGEN POWER INVERTERS


Introduction

We are a team of young, energetic entrepreneurs with a solid engineering background and extensive technological expertise. Our strong commitment lies in providing green and clean energy alternatives to the masses. With our startup, we are deeply inspired by the latest policies of the Government of India, particularly the vision of 'Made in India' for 'Atmanirbhar Bharat' (self-reliant India).


Our primary focus is on addressing significant national and societal challenges. In addition to advancing necessary technologies, we have recently developed a unique patented product: a lightweight, compact, and easy-to-carry portable power module (Inverter/online UPS) with remarkable attributes.

- Our product is an all-in-one integrated solution (no separation of battery and inverter). It generates green and clean energy without emitting harmful fumes that endanger health and lives. There is no environmental pollution or adverse effects on climate.
- The design is specifically tailored for high altitude, efficient thermal management, and functioning in low (sub-zero) temperatures, ideal for hilly terrain. It offers improved battery life and durability compared to its commercial counterparts.
- Our product is IS certified and meets international safety benchmarks on par with IEC standards. It's cost-effective with a superior cost-performance ratio and comes with a 5-year warranty.
- It's proudly a Made in India product, from concept to design, fabrication, and manufacturing.
- The creation of this product is solely credited to the well-developed and supportive ecosystem for research and development, innovation, and incubation culture at IIT Patna. The R&D team, consisting of 5 young scientists and engineers, received mentorship from Prof. A. C. Bhakui, the current Dean (Academics).

Now, this product is ready for commercialization under the brand 'Ligen Power' as part of the new initiative 'Amosys Portable Power', a joint venture between 'Amosys Energy' and 'Portable Power Technology'. This joint venture has a strong market presence in both African countries and India.



www.ligenpower.com





ABHYADHIKADHIK INDIA PRIVATE LIMITED

SHYAMKUNJ Road, 03, Boring Rd, Shilpuri, Keshri Nagar, Patna, Bihar 800024

ESTABLISHMENT DATE: 01-07-2020 BRAND NAME: FASTOZ SECTOR: AGRICULTURE

About the Business:
 fastoz.in is proudly operated by AbhyadhikadhiK India Pvt Ltd, a dynamic and innovative company dedicated to delivering excellence in all aspects of e-commerce. Our business is focused on promoting local goods in vicinity. We are achieving this by providing ecommerce platform to producer, manufacturer in villages and enabling delivery of those goods. Our platform hosts a comprehensive range of products, from grocery to prepared food. We source products from reputable brands and trusted suppliers, ensuring that you receive only authentic and high-quality items.

Problem Statement:
 It's almost impossible for customers to buy local products (including agricultural & allied activities products) from local seller online in Tier-2 Tier-3 cities.


Solution offered/ Product Description:
 Develop an e-commerce portal/app where local seller/buyer can interact
 Application: FASTOZ APP
 (https://play.google.com/store/apps/details?id=inc.fastoz.customer)

Key Highlights:

- App launched
- Revenue generation initiated
- 500+ app downloads, 4.9 Play store Rating
- 700+ orders
- TRL: 8

Website:
<https://fastoz.in/about-us>





GUBLET INSTRULOGY PRIVATE LIMITED

Ho Shalendra Kumar Vill Shilgarh Tola Shilgarh, Panch Moriyama Shilgarh Block Bikram, Bikram, Patna, Paligani, Bihar, India. 801104.

ESTABLISHMENT DATE: 11-03-2023 BRAND NAME: VIOLIN SECTOR: MANUFACTURING

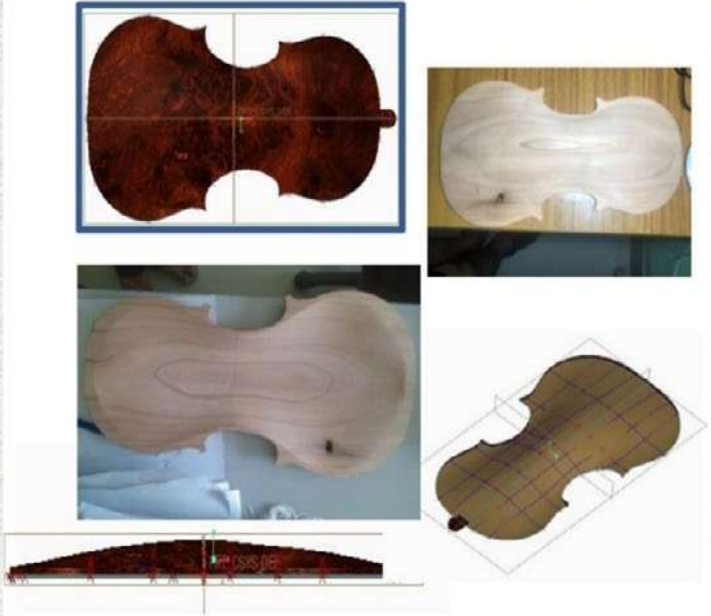
About the Business:
 GUBLET INSTRULOGY PRIVATE LIMITED works in area of research and development.

Problem Statement:
 A professional violin is a costly instrument Handmade Time-consuming Expertise of a luthier Machine manufacturing is not done by traditional luthiers In India there are a few luthiers Not at all an international standard Not a single brand for violin.

Solution offered/ Product Description:
 Machine manufacturing will help to sell the instrument in much lower cost. Solution- Machine Manufacturing of a Violin.

Key Highlights:

- Testing and validation of product
- Provisionally patent filed (202331078388)
- TRL: 4





PORTABLE POWER TECHNOLOGY PRIVATE LIMITED

Mauza-Parari, Main Road Bihta, Near IIT Campus, P.S.- Bihta, Patna Patna BR 801103 IN.

ESTABLISHMENT DATE: 03-08-2019

BRAND NAME: BMS

SECTOR: ENERGY

About the Business:
Indigenous Design and Scaling up of for performance control of energy storage modules Electronic Circuits

Problem Statement:
Indigenous Design and Scaling up of Electronic Circuits for performance control of portable power modules

Solution offered/ Product Description:
Indigenous Design, Development, and production of Customized Electronic Circuits for efficient power saving, control & and safety of portable power modules/ energy storage devices.

Key Highlights:

- Minimum viable product developed
- DIPPT recognized: DIPP42886
- Patent Granted: 411032,439565
- Patent Filed: 202231064066, 202331050127
- Fund raised: 43 Lakhs
- Attended State S&T Minister's conclave and EXPO at Science City, Ahmedabad – 9th to 13th Sep.2022
- TRL: 8

Website:
<https://www.portablepowertech.com/>





"IC" - Ideate, Conceive, Innovate, Incubate & Create
With stated "Mission Theme" we are working diligently with adequate skill and competence to achieve the national goal of Startup India, make in India aimed at realizing the ultimate target of Standup India.



FEDERATED LEARNING EXPLORER PRIVATE LIMITED

AI Based Crop Nutrition and Farm Monitoring Services

Foundation for Innovators in Science and Technology IIT Patna, India



Team:- Harsh Kasyap, Partha Sarathi Chakraborty, Somanath Tripathy

Abstract

Agriculture, AI, Smart Farm Management

Our company will provide real-time identifies nutrient disaster in agricultural crops. It will diagnose all the factors, and predict this prior. We will also provide an AI-monitored farm management service, the farmer constantly informed and updated for a better value crop.

Products

- ☐ AgriSense
- ☐ VisuoMon
- ☐ Agronomer

Services

- ☐ Smart Farm Management
- ☐ Supply chain
- ☐ Farm protection and alerting system

Smart Farm

Data Generation

Enormous and Wide Variety of Data from Smart Agriculture

Data Acquisition

• Collection
• Transmission
• Pre-processing

Data Storage

• Direct Attached Storage (DAS)
• Network Attached Storage (NAS)
• Storage Area Network (SAN)

Data Analysis AI/ML





User getting real time update and can do automatic/remote task from home

Real-time data collection via sensors







Soil moisture/temperature

Aerial Image

Smart Irrigation

Acoustic sensor

Monitoring Plant Growth



IIT IIT PATNA



Clinical AI Assistance

47 MOTT LNKOLKATA, Dharmatala, Kolkata, Kolkata, West Bengal, India, 700013

ESTABLISHMENT DATE: 30-10-2023 BRAND NAME: CLINICAL AI ASSISTANCE SECTOR: IT

CLINICAL AI ASSISTANCE PRIVATE LIMITED

About the Business:
In the past five years, dozens of surveys and reports indicate an unbalanced doctor-to-population ratio. With the motivation of assisting doctors, we built an autonomous junior healthcare assistant, which serves as the initial point of contact for patients. The assistant conducts an initial assessment and compiles a concise report for the physician.

Problem Statement:
Longer waiting at hospitals for preliminary diagnosis of disease.

Solution offered/ Product Description:
A Multimodal Disease Diagnosis Assistant that also Learns from Unsuccessful Diagnoses using AI, ML and DL.

Key Highlights:

- Global Partnership on Artificial Intelligence - GPAI 2023
- Won bronze medal at Inter IIT 12.0 Tech Meet 2023
- Secured 3rd position in Engineer's conclave
- Ready to file patent
- TRL: 4

Website:
<https://www.clinicalaiassistance.com/>







Royal N Dynamic Pvt. Ltd

FOUNDATION FOR INNOVATORS IN SCIENCE AND TECHNOLOGY
A NIDHI-TBI funded by DST, Govt. of India
Regd. Office: 5TH FLOOR (LEFT), BLOCK-9,
INDIAN INSTITUTE OF TECHNOLOGY PATNA, BIHTA, BIHAR, INDIA, 801106



ROYAL N DYNAMIC

About us
Project
Team Member

RoyalIndynamic automobile pvt. ltd. established on 23rd April, 2021 deals in boosting innovation in agricultural machinery and manufacture general purpose machinery. the company aims to work diligently under FIST, IIT PATNA to achieve the nobel cause of start up india mission of the indian govt.

DYNAMIC CULTIVATOR
A machine that integrates different operations of farming like soil loosening, seed-sowing, NPK testing of soil and levelling in a simultaneous manner.





Md Saif ali



Amit Kumar



Vivek Kumar



Shahbaaz Ali Khan



Danish Khan

Mission

1. Bringing multi-operational agricultural machines.
2. Help towards strengthening of agricultural sector.
3. Designing of other general purpose tools and machineries.

Contact Us

Call :- 9973623843
Mail:- royalndynamic@gmail.com
Address:- shop no-01, ward no-06, Lalbagh, Darbhanga.

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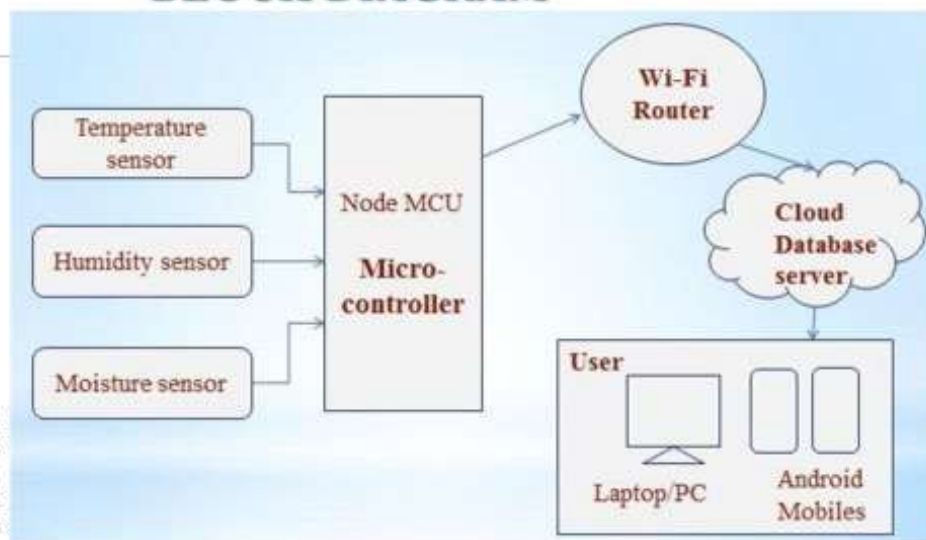
NATCHHA IOT LAB PVT. LTD. BLOCK DIAGRAM

Node Mcu



Project Work Progress

Till now we have successfully connect two NodeMCU development board with each other using esp-now protocol and transferred data successfully from one node to other node.



Abstract Report

State: Bihar

District: Patna

Language: English

Area: Urban

Grade: 11th

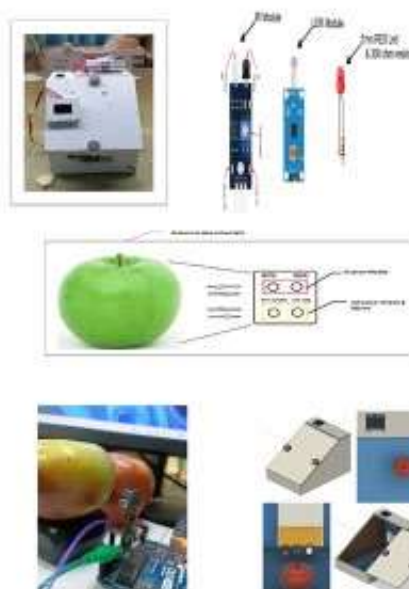
Title: Developing on Innovative Device for the Qualitative Detection of Pesticides and Harmful Chemicals in fruits, vegetables for eco-system and health.

Participant: Harsh Kumar

Institute: Bihar Bal Bhawan "Kalkari", Campus of Rashtrabhusha Parishad, Sindpur, Patna(Bihar)

Pin Code – 800004

Mobile no: 8789612089



Technology Innovation Hub (TIH)

NOT GET INFORMATION

Statistical Information

8.1 (A) Admission to Undergraduate Students

Admission to B.Tech. at IIT Patna were made through Joint Entrance Examination held in 2023. A department wise and category wise breakup of the students admitted to IIT Patna for the academic session 2023-24 is given below:

Students admitted through JEE 2023 in IIT Patna:

COURSE/SPECIALIZATION	GEN	EWS	OBC	SC	ST	GRAND TOTAL
Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)	17	6	14	7	4	48
B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))	3	1	2	1	1	8
B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))	3	1	2	2		8
B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))	4	1	2	2	1	10
B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))	4	1	3	1	1	10
B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))	2	2	3	2		9
B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))	4	1	3	1	1	10
B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))	3	1	3	1	1	9
B. Tech. (ME) - MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))	5	3	4	1	1	14
B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))	4	1	2	1	1	9
Chemical Engineering (4 Years, Bachelor of Technology)	23	10	19	10	5	67
Chemical Science and Technology (4 Years, Bachelor of Technology)	13	5	11	6	2	37
Civil Engineering (4 Years, Bachelor of Technology)	23	8	19	10	7	67
Computer Science and Engineering (4 Years, Bachelor of Technology)	32	11	24	13	6	86

COURSE/SPECIALIZATION	GEN	EWS	OBC	SC	ST	GRAND TOTAL
Electrical and Electronics Engineering (4 Years, Bachelor of Technology)	16	7	13	8	4	48
Electronics and Communication Engineering (4 Years, Bachelor of Technology)	18	6	13	8	4	49
Engineering Physics (4 Years, Bachelor of Technology)	13	3	8	6	2	32
Mathematics and Computing (4 Years, Bachelor of Technology)	19	5	14	8	4	50
Mechanical Engineering (4 Years, Bachelor of Technology)	29	12	22	12	5	80
Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)	16	6	10	6	3	41
Grand Total	251	91	191	106	53	692

Branch-wise list of students who enrolled for B.Tech at IIT Patna for the academic session 2023-24 is given below:

1. Artificial Intelligence and Data Science:

Sl. No.	Roll No	Name	Dept
1	2300PR02	Kshitiz Thakur	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
2	2301AI01	Aditya	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
3	2301AI02	Anshurup Gupta	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
4	2301AI03	Arush Singh Kiron	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
5	2301AI04	Ayush Bansal	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
6	2301AI05	Kokkeragadda Bala Sri Hari Prasad	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
7	2301AI06	Dibbagalla Blessy Nirikshana	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
8	2301AI07	Daksh Maan	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
9	2301AI08	Banavath Dheeraj	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
10	2301AI09	Mallela Dundi Kuladeepeswar	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
11	2301AI10	Ishika Gupta	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
12	2301AI11	Jalumuru Kavya	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
13	2301AI12	Kommana Gowtham	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
14	2301AI13	Shiksha Raginee	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
15	2301AI14	Nalla Navaneeth	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
16	2301AI15	Neetish Kumar	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
17	2301AI16	Guguloth Nithin Nayak	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
18	2301AI17	Preeti Kumari	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
19	2301AI18	Rahul Jilowa	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)

Sl. No.	Roll No	Name	Dept
20	2301AI19	Guru Sai Bhaskari	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
21	2301AI20	Sasmit Shashwat	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
22	2301AI21	Shobhit Raj	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
23	2301AI22	Shresth Kasyap	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
24	2301AI23	Soumyajyoti Mohanta	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
25	2301AI24	Kalusani Sravya Reddy	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
26	2301AI25	Daggumelli Srisanth	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
27	2301AI26	Suryawanshi Sujal Balu	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
28	2301AI27	Suvrayan Bandyopadhyay	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
29	2301AI28	Swagatam Pati	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
30	2301AI29	Pitta Tanuj	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
31	2301AI30	Tejas Tanmay Singh	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
32	2301AI31	Tejeshwar Singh Minhas	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
33	2301AI32	Uday Srivastava	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
34	2301AI33	Kosuru Venkata Bhuvan	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
35	2301AI34	Marella Venkata Durga Sathvik	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
36	2301AI35	Allam Vishnu Vardhini	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
37	2301AI36	Vivek Katuri	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
38	2301AI37	Bibhuti Jha	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
39	2301AI38	Nishant Kumar	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
40	2301AI39	Himanshu Kumar	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
41	2301AI40	Atul Raj Chaudhary	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
42	2301AI41	N.krishna Pawar	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
43	2301AI42	Sabbidi Neha Reddy	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
44	2301AI43	Gompa Vasavi	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
45	2301AI44	Shubham Agrawal	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
46	2301AI45	Ayush Kumar Singh	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
47	2301AI46	Kumar Anurag	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)
48	2301AI47	Harsh Raj	Artificial Intelligence and Data Science (4 Years, Bachelor of Technology)

2. Chemical Engineering:

Sl No	Roll No	Name	Dept
1	2301CB01	Aadhar	Chemical Engineering (4 Years, Bachelor of Technology)
2	2301CB02	Abhishek Kumawat	Chemical Engineering (4 Years, Bachelor of Technology)
3	2301CB03	Aditya Agarwal	Chemical Engineering (4 Years, Bachelor of Technology)
4	2301CB04	Amit Kumar	Chemical Engineering (4 Years, Bachelor of Technology)
5	2301CB05	Anshul Rathour	Chemical Engineering (4 Years, Bachelor of Technology)
6	2301CB06	Anuja Solanki	Chemical Engineering (4 Years, Bachelor of Technology)
7	2301CB07	Anurag Prasad	Chemical Engineering (4 Years, Bachelor of Technology)
8	2301CB08	Aryan Sambare	Chemical Engineering (4 Years, Bachelor of Technology)
9	2301CB09	Ashwani Kumar	Chemical Engineering (4 Years, Bachelor of Technology)
10	2301CB10	Rajapantula Chandini	Chemical Engineering (4 Years, Bachelor of Technology)
11	2301CB11	Devesh Raj	Chemical Engineering (4 Years, Bachelor of Technology)
12	2301CB12	Dhirendra Pratap Singh	Chemical Engineering (4 Years, Bachelor of Technology)
13	2301CB13	Gugulothu Dhoni Naik	Chemical Engineering (4 Years, Bachelor of Technology)
14	2301CB14	Divyanshu Singh	Chemical Engineering (4 Years, Bachelor of Technology)
15	2301CB15	Harsh Sharma	Chemical Engineering (4 Years, Bachelor of Technology)
16	2301CB16	Het Ram	Chemical Engineering (4 Years, Bachelor of Technology)
17	2301CB17	Ipshtasanjay Gawande	Chemical Engineering (4 Years, Bachelor of Technology)
18	2301CB18	Juhi Sahni	Chemical Engineering (4 Years, Bachelor of Technology)
19	2301CB19	Simhadri Karthik	Chemical Engineering (4 Years, Bachelor of Technology)
20	2301CB20	Korak Basu	Chemical Engineering (4 Years, Bachelor of Technology)
21	2301CB21	Krunal Baraskar	Chemical Engineering (4 Years, Bachelor of Technology)
22	2301CB22	Kumar Aryan Raj	Chemical Engineering (4 Years, Bachelor of Technology)
23	2301CB23	Chinthalapudi Lohith Veer	Chemical Engineering (4 Years, Bachelor of Technology)
24	2301CB24	Madhavi Singh	Chemical Engineering (4 Years, Bachelor of Technology)
25	2301CB25	Mayank Jha	Chemical Engineering (4 Years, Bachelor of Technology)
26	2301CB26	Md Hamid	Chemical Engineering (4 Years, Bachelor of Technology)
27	2301CB27	Meghamitra Chowdhury	Chemical Engineering (4 Years, Bachelor of Technology)
28	2301CB28	Mohit Kumar	Chemical Engineering (4 Years, Bachelor of Technology)
29	2301CB29	Mriganka Santra	Chemical Engineering (4 Years, Bachelor of Technology)
30	2301CB30	Nikhil Pandey	Chemical Engineering (4 Years, Bachelor of Technology)
31	2301CB31	Nishant Sharma	Chemical Engineering (4 Years, Bachelor of Technology)
32	2301CB32	Omesh Mehta	Chemical Engineering (4 Years, Bachelor of Technology)
33	2301CB33	Pranav Gupta	Chemical Engineering (4 Years, Bachelor of Technology)
34	2301CB34	Prashant Kumar	Chemical Engineering (4 Years, Bachelor of Technology)
35	2301CB35	Pratik Mishra	Chemical Engineering (4 Years, Bachelor of Technology)
36	2301CB36	Pratyush Gupta	Chemical Engineering (4 Years, Bachelor of Technology)
37	2301CB37	Pushpank	Chemical Engineering (4 Years, Bachelor of Technology)
38	2301CB38	Rahul Kumar	Chemical Engineering (4 Years, Bachelor of Technology)
39	2301CB39	Rohit Roy	Chemical Engineering (4 Years, Bachelor of Technology)
40	2301CB40	Rupak Mandal	Chemical Engineering (4 Years, Bachelor of Technology)
41	2301CB41	Sarthak Shukla	Chemical Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
42	2301CB42	Shriyansh Tamboli	Chemical Engineering (4 Years, Bachelor of Technology)
43	2301CB43	Rokkala Sindhura	Chemical Engineering (4 Years, Bachelor of Technology)
44	2301CB44	Tushar Shrivastav	Chemical Engineering (4 Years, Bachelor of Technology)
45	2301CB45	Vanshika Agrawal	Chemical Engineering (4 Years, Bachelor of Technology)
46	2301CB46	Shivank Goyal	Chemical Engineering (4 Years, Bachelor of Technology)
47	2301CB47	Atharv Bagde	Chemical Engineering (4 Years, Bachelor of Technology)
48	2301CB48	Ganjewar Parth Sanjay	Chemical Engineering (4 Years, Bachelor of Technology)
49	2301CB49	Namrata Patel	Chemical Engineering (4 Years, Bachelor of Technology)
50	2301CB50	Payal Mourya	Chemical Engineering (4 Years, Bachelor of Technology)
51	2301CB51	Ranjeet Maurya	Chemical Engineering (4 Years, Bachelor of Technology)
52	2301CB52	Nalagothula Jaswanth	Chemical Engineering (4 Years, Bachelor of Technology)
53	2301CB53	Shivesh Chauhan	Chemical Engineering (4 Years, Bachelor of Technology)
54	2301CB54	Mayank Singh	Chemical Engineering (4 Years, Bachelor of Technology)
55	2301CB55	Sabavath Sridhar	Chemical Engineering (4 Years, Bachelor of Technology)
56	2301CB56	Vishwadeep	Chemical Engineering (4 Years, Bachelor of Technology)
57	2301CB57	Ankit Chatterjee	Chemical Engineering (4 Years, Bachelor of Technology)
58	2301CB58	Krish Raj Vaish	Chemical Engineering (4 Years, Bachelor of Technology)
59	2301CB59	Guguloth Dinesh	Chemical Engineering (4 Years, Bachelor of Technology)
60	2301CB60	Aditya Gupta	Chemical Engineering (4 Years, Bachelor of Technology)
61	2301CB61	Aditi Vyas	Chemical Engineering (4 Years, Bachelor of Technology)
62	2301CB62	Prateek Jha	Chemical Engineering (4 Years, Bachelor of Technology)
63	2301CB63	Nahata Bhuvesh Manoj	Chemical Engineering (4 Years, Bachelor of Technology)
64	2301CB64	Tejas Jadhav	Chemical Engineering (4 Years, Bachelor of Technology)
65	2301CB65	Manash Abhivir	Chemical Engineering (4 Years, Bachelor of Technology)
66	2301CB66	Tannu Raj	Chemical Engineering (4 Years, Bachelor of Technology)
67	2301CB67	Namrata Singh	Chemical Engineering (4 Years, Bachelor of Technology)

3. Civil Engineering:

Sl No	Roll No	Name	Dept
1	2301CE01	Abhay Pratap Singh	Civil Engineering (4 Years, Bachelor of Technology)
2	2301CE02	Akshat Kumar Singh	Civil Engineering (4 Years, Bachelor of Technology)
3	2301CE03	Ankit Bhagat	Civil Engineering (4 Years, Bachelor of Technology)
4	2301CE04	Ankur Gupta	Civil Engineering (4 Years, Bachelor of Technology)
5	2301CE05	Anupam Sharma	Civil Engineering (4 Years, Bachelor of Technology)
6	2301CE06	Archita Shuchi	Civil Engineering (4 Years, Bachelor of Technology)
7	2301CE07	Aryan Vats	Civil Engineering (4 Years, Bachelor of Technology)
8	2301CE08	Eslavath Bharath	Civil Engineering (4 Years, Bachelor of Technology)
9	2301CE09	Neela Ekshitha	Civil Engineering (4 Years, Bachelor of Technology)
10	2301CE10	Garvit B Nahta	Civil Engineering (4 Years, Bachelor of Technology)
11	2301CE11	Adireddy Gayathri Charan	Civil Engineering (4 Years, Bachelor of Technology)
12	2301CE12	Ghanishth Attrey	Civil Engineering (4 Years, Bachelor of Technology)
13	2301CE13	Isha Shah	Civil Engineering (4 Years, Bachelor of Technology)
14	2301CE14	Kanishq Bekadia	Civil Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
15	2301CE15	Bhattacharya Karnav Krishnendu	Civil Engineering (4 Years, Bachelor of Technology)
16	2301CE16	Losmin Sahoo	Civil Engineering (4 Years, Bachelor of Technology)
17	2301CE17	Mandeep Singh	Civil Engineering (4 Years, Bachelor of Technology)
18	2301CE18	Meghna Kumari	Civil Engineering (4 Years, Bachelor of Technology)
19	2301CE19	Rubu Nomo	Civil Engineering (4 Years, Bachelor of Technology)
20	2301CE20	Mantri Prajyoth	Civil Engineering (4 Years, Bachelor of Technology)
21	2301CE21	Pulkit Rander	Civil Engineering (4 Years, Bachelor of Technology)
22	2301CE22	Purvash Wagh	Civil Engineering (4 Years, Bachelor of Technology)
23	2301CE23	Ranjan Kumar	Civil Engineering (4 Years, Bachelor of Technology)
24	2301CE24	Saurabh Sankhla	Civil Engineering (4 Years, Bachelor of Technology)
25	2301CE25	Saurav Kumar	Civil Engineering (4 Years, Bachelor of Technology)
26	2301CE26	Shad Modassir	Civil Engineering (4 Years, Bachelor of Technology)
27	2301CE27	Shivam Modi	Civil Engineering (4 Years, Bachelor of Technology)
28	2301CE28	Charagundla Someshwar	Civil Engineering (4 Years, Bachelor of Technology)
29	2301CE29	Nenavath Sunitha Anjali Bai	Civil Engineering (4 Years, Bachelor of Technology)
30	2301CE30	Vasoya Tanvi Nileshbhai	Civil Engineering (4 Years, Bachelor of Technology)
31	2301CE31	Utsav Das	Civil Engineering (4 Years, Bachelor of Technology)
32	2301CE32	Vinay Milind Khedkar	Civil Engineering (4 Years, Bachelor of Technology)
33	2301CE33	Amritansh Rai	Civil Engineering (4 Years, Bachelor of Technology)
34	2301CE34	Mogili Chiranjeevi	Civil Engineering (4 Years, Bachelor of Technology)
35	2301CE35	Uddish Katyal	Civil Engineering (4 Years, Bachelor of Technology)
36	2301CE36	Yashveer Aryan	Civil Engineering (4 Years, Bachelor of Technology)
37	2301CE38	Sachin Kumar Singh	Civil Engineering (4 Years, Bachelor of Technology)
38	2301CE39	Vidhan Bansal	Civil Engineering (4 Years, Bachelor of Technology)
39	2301CE40	Dobbala Aravind Chowdary	Civil Engineering (4 Years, Bachelor of Technology)
40	2301CE41	Devashish Negi	Civil Engineering (4 Years, Bachelor of Technology)
41	2301CE42	Anand Geetha Priya	Civil Engineering (4 Years, Bachelor of Technology)
42	2301CE43	Jitendra Bhukhar	Civil Engineering (4 Years, Bachelor of Technology)
43	2301CE44	Kaustuv Anand	Civil Engineering (4 Years, Bachelor of Technology)
44	2301CE45	Sonu Kumar	Civil Engineering (4 Years, Bachelor of Technology)
45	2301CE46	Ashish Yadav	Civil Engineering (4 Years, Bachelor of Technology)
46	2301CE47	Anvitha Pr	Civil Engineering (4 Years, Bachelor of Technology)
47	2301CE48	Ayush Soni	Civil Engineering (4 Years, Bachelor of Technology)
48	2301CE49	Kunda Arun Bharde	Civil Engineering (4 Years, Bachelor of Technology)
49	2301CE50	Mohammad Meraj Ahmad	Civil Engineering (4 Years, Bachelor of Technology)
50	2301CE51	Aditya Prakash	Civil Engineering (4 Years, Bachelor of Technology)
51	2301CE52	Aman Kumar	Civil Engineering (4 Years, Bachelor of Technology)
52	2301CE53	Anjali Dubey	Civil Engineering (4 Years, Bachelor of Technology)
53	2301CE54	Ayush	Civil Engineering (4 Years, Bachelor of Technology)
54	2301CE55	Chinta Sravani	Civil Engineering (4 Years, Bachelor of Technology)
55	2301CE56	Himanshu Raj	Civil Engineering (4 Years, Bachelor of Technology)
56	2301CE57	Lire Nirin	Civil Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
57	2301CE58	Shivansh Sinha	Civil Engineering (4 Years, Bachelor of Technology)
58	2301CE59	Azmeera Venkatapathi	Civil Engineering (4 Years, Bachelor of Technology)
59	2301CE60	Kurelli Akshara	Civil Engineering (4 Years, Bachelor of Technology)
60	2301CE61	Yatharth Gupta	Civil Engineering (4 Years, Bachelor of Technology)
61	2301CE62	Saurabh Kumar	Civil Engineering (4 Years, Bachelor of Technology)
62	2301CE64	Vishal Gond	Civil Engineering (4 Years, Bachelor of Technology)
63	2301CE65	Akash Kumar	Civil Engineering (4 Years, Bachelor of Technology)
64	2301CE66	Shubham Shandilya	Civil Engineering (4 Years, Bachelor of Technology)
65	2301CE67	Nishant Kumar	Civil Engineering (4 Years, Bachelor of Technology)
66	2301CE68	Gaurav Beniwal	Civil Engineering (4 Years, Bachelor of Technology)
67	2301CE69	Abhitesh Shukla	Civil Engineering (4 Years, Bachelor of Technology)

4. Computer Science and Engineering:

Sl No	Roll No	Name	Dept
1	2300PR03	Md Danish Faizi Ansari	Computer Science and Engineering (4 Years, Bachelor of Technology)
2	2301CS01	Aarsh Sanghavi	Computer Science and Engineering (4 Years, Bachelor of Technology)
3	2301CS02	Aayush Sheth	Computer Science and Engineering (4 Years, Bachelor of Technology)
4	2301CS03	Sudini Abhinav Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
5	2301CS04	Aman Kumar Gupta	Computer Science and Engineering (4 Years, Bachelor of Technology)
6	2301CS05	Anish Raghashetty	Computer Science and Engineering (4 Years, Bachelor of Technology)
7	2301CS06	Ankesh Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)
8	2301CS07	Anurag Nath	Computer Science and Engineering (4 Years, Bachelor of Technology)
9	2301CS08	Arnav Reddy Andem	Computer Science and Engineering (4 Years, Bachelor of Technology)
10	2301CS09	Aryan Vilas Phad	Computer Science and Engineering (4 Years, Bachelor of Technology)
11	2301CS10	Ashutosh Kanojia	Computer Science and Engineering (4 Years, Bachelor of Technology)
12	2301CS11	Pathloth Bharath Nayak	Computer Science and Engineering (4 Years, Bachelor of Technology)
13	2301CS12	Chaitanya Kotipalli	Computer Science and Engineering (4 Years, Bachelor of Technology)
14	2301CS13	Chirag Garg	Computer Science and Engineering (4 Years, Bachelor of Technology)
15	2301CS14	Polamuri Deepthi	Computer Science and Engineering (4 Years, Bachelor of Technology)
16	2301CS15	Dharavath Dheeraj	Computer Science and Engineering (4 Years, Bachelor of Technology)
17	2301CS16	Eshan Bhaskar	Computer Science and Engineering (4 Years, Bachelor of Technology)
18	2301CS17	Chagalamarri Gowtham	Computer Science and Engineering (4 Years, Bachelor of Technology)
19	2301CS18	Harshit	Computer Science and Engineering (4 Years, Bachelor of Technology)
20	2301CS19	Guda Hema Vardhan Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
21	2301CS20	Hemant Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)
22	2301CS21	Edapalapati Hemanth Guptha	Computer Science and Engineering (4 Years, Bachelor of Technology)
23	2301CS22	Katariya Hemanth Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)
24	2301CS23	Keshav Mahansaria	Computer Science and Engineering (4 Years, Bachelor of Technology)
25	2301CS24	Mohammed Khaled Hussain	Computer Science and Engineering (4 Years, Bachelor of Technology)
26	2301CS25	Krishan Kumawat	Computer Science and Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
27	2301CS26	Krishna Gupta	Computer Science and Engineering (4 Years, Bachelor of Technology)
28	2301CS27	Kumar Sarvagya	Computer Science and Engineering (4 Years, Bachelor of Technology)
29	2301CS28	Manuj Kumar Grover	Computer Science and Engineering (4 Years, Bachelor of Technology)
30	2301CS29	Manvitha Reddy Adulla	Computer Science and Engineering (4 Years, Bachelor of Technology)
31	2301CS30	Busakani Maruthi Jayachandra	Computer Science and Engineering (4 Years, Bachelor of Technology)
32	2301CS31	Mihika	Computer Science and Engineering (4 Years, Bachelor of Technology)
33	2301CS32	Ramineni Murali Karthikeya	Computer Science and Engineering (4 Years, Bachelor of Technology)
34	2301CS33	Gugulothu Nikhileshwar	Computer Science and Engineering (4 Years, Bachelor of Technology)
35	2301CS34	Panditi Nithin Prasannakumar Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
36	2301CS35	Parul Garg	Computer Science and Engineering (4 Years, Bachelor of Technology)
37	2301CS36	Gudupally Praneeth Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
38	2301CS37	Boppani Rahen	Computer Science and Engineering (4 Years, Bachelor of Technology)
39	2301CS38	Rakshit Singhal	Computer Science and Engineering (4 Years, Bachelor of Technology)
40	2301CS39	Vaddimukkala Rana Bharath	Computer Science and Engineering (4 Years, Bachelor of Technology)
41	2301CS40	Chettupalli Rincy Chelciya	Computer Science and Engineering (4 Years, Bachelor of Technology)
42	2301CS41	Sahil Raj	Computer Science and Engineering (4 Years, Bachelor of Technology)
43	2301CS42	Pinnelli Sai Mahitha	Computer Science and Engineering (4 Years, Bachelor of Technology)
44	2301CS43	Kottapally Sai Skrithik	Computer Science and Engineering (4 Years, Bachelor of Technology)
45	2301CS44	Thipparapu Sai Vardhan	Computer Science and Engineering (4 Years, Bachelor of Technology)
46	2301CS45	Sakshi Saxena	Computer Science and Engineering (4 Years, Bachelor of Technology)
47	2301CS46	Thammalla Sameeksha	Computer Science and Engineering (4 Years, Bachelor of Technology)
48	2301CS47	Sameer Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)
49	2301CS48	Sandeep Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)
50	2301CS49	Saniya Prakash	Computer Science and Engineering (4 Years, Bachelor of Technology)
51	2301CS50	Shashwat Kumar Singh	Computer Science and Engineering (4 Years, Bachelor of Technology)
52	2301CS51	Shivam Singh	Computer Science and Engineering (4 Years, Bachelor of Technology)
53	2301CS52	Shreyas Kumar Jaiswal	Computer Science and Engineering (4 Years, Bachelor of Technology)
54	2301CS53	Kotha Sreyas	Computer Science and Engineering (4 Years, Bachelor of Technology)
55	2301CS54	Gangireddy Srichetan Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
56	2301CS55	Suru Sridhanush	Computer Science and Engineering (4 Years, Bachelor of Technology)
57	2301CS56	Trupti Sriharshith	Computer Science and Engineering (4 Years, Bachelor of Technology)
58	2301CS57	Suman Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)
59	2301CS58	Swapnil Sahoo	Computer Science and Engineering (4 Years, Bachelor of Technology)
60	2301CS59	Tanay Gupta	Computer Science and Engineering (4 Years, Bachelor of Technology)
61	2301CS60	Tripti Jain	Computer Science and Engineering (4 Years, Bachelor of Technology)
62	2301CS61	Kondakindi Vaishnavi Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
63	2301CS62	Metta Vineel Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)
64	2301CS63	Vivek Kumar	Computer Science and Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
65	2301CS64	Suda Yaswanth Jaya Vema Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
66	2301CS65	Gopireddy Gunavardhan Reddy	Computer Science and Engineering (4 Years, Bachelor of Technology)
67	2301CS66	Prateek Gupta	Computer Science and Engineering (4 Years, Bachelor of Technology)
68	2301CS67	Shiwani Shrivastava	Computer Science and Engineering (4 Years, Bachelor of Technology)
69	2301CS68	Tamtam Gnaneshwar	Computer Science and Engineering (4 Years, Bachelor of Technology)
70	2301CS69	Dharmakar Lokesh	Computer Science and Engineering (4 Years, Bachelor of Technology)
71	2301CS70	Edubilli Rajeev Aman	Computer Science and Engineering (4 Years, Bachelor of Technology)
72	2301CS71	Gali Uday Aditya	Computer Science and Engineering (4 Years, Bachelor of Technology)
73	2301CS72	Gunuganti Akshara	Computer Science and Engineering (4 Years, Bachelor of Technology)
74	2301CS73	Karnati Supriya	Computer Science and Engineering (4 Years, Bachelor of Technology)
75	2301CS74	Parul Shrivastava	Computer Science and Engineering (4 Years, Bachelor of Technology)
76	2301CS75	Ritu Kumari Singh	Computer Science and Engineering (4 Years, Bachelor of Technology)
77	2301CS76	Shaikh Sahil	Computer Science and Engineering (4 Years, Bachelor of Technology)
78	2301CS77	Chaitanya Saagar	Computer Science and Engineering (4 Years, Bachelor of Technology)
79	2301CS78	Bukke Sai Shruthi Mayi	Computer Science and Engineering (4 Years, Bachelor of Technology)
80	2301CS79	Dasu Sanjay	Computer Science and Engineering (4 Years, Bachelor of Technology)
81	2301CS80	Prateek Bunker	Computer Science and Engineering (4 Years, Bachelor of Technology)
82	2301CS81	Dinesh Shankhala	Computer Science and Engineering (4 Years, Bachelor of Technology)
83	2301CS82	Raushan Raj	Computer Science and Engineering (4 Years, Bachelor of Technology)
84	2301CS83	Rishikumar Heeralal Gautam	Computer Science and Engineering (4 Years, Bachelor of Technology)
85	2301CS84	Polawar Shreesh Gangadhar	Computer Science and Engineering (4 Years, Bachelor of Technology)
86	2301CS85	Swati Yadav	Computer Science and Engineering (4 Years, Bachelor of Technology)

5. Electrical and Electronics Engineering:

Sl No	Roll No	Name	Dept
1	2301EE01	Aarav	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
2	2301EE02	Abhinandan Pandey	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
3	2301EE03	Abhishek Singh	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
4	2301EE04	Aditya Gangboir	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
5	2301EE05	Ijju Akash	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
6	2301EE06	Ananya Maldyar	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
7	2301EE07	Chahat Mahajan	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
8	2301EE08	Palakat Kumar Chitra Iyer	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
9	2301EE09	Sowdasoth Dinesh Siddhartha	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
10	2301EE10	Ketavath Ganesh Naik	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
11	2301EE11	Gaurav Sanjay Bhagure	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
12	2301EE12	Grishmita Agrawal	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
13	2301EE13	Kalp Alpesh Shah	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
14	2301EE14	Korsa Laxmi	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
15	2301EE15	Pekala Manoj Kumar	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
16	2301EE16	Pujari Meghana	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
17	2301EE17	Annadatha Mohith	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
18	2301EE18	Navyaa Mittal	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
19	2301EE19	Ghegade Piyush Subhash	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
20	2301EE20	Mhaske Prasad Kailas	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
21	2301EE21	Raqeeb Ansari	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
22	2301EE22	Rohit Gupta	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
23	2301EE23	Saksham Srivastava	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
24	2301EE24	Sameeratmaj Pandey	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
25	2301EE25	Saubhagya Laxman Mamgain	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
26	2301EE26	Shubham Madheshiya	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
27	2301EE27	Srishti Barman	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
28	2301EE28	Suruchi Raj	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
29	2301EE29	Aditya Aryan	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
30	2301EE30	Arya Prakash	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
31	2301EE31	Devendra Chand	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
32	2301EE32	Kalva Sai Ganesh Sarma	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
33	2301EE33	Bannoth Sai Paramehwar Naik	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
34	2301EE34	Tejas Panzade	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
35	2301EE35	Gopu Praneeth Sagar	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
36	2301EE36	Rishu Kumar Singh	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
37	2301EE37	Sparsh Rastogi	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
38	2301EE38	Ajeet Yadav	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
39	2301EE39	Anamala Neelesh	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
40	2301EE40	Srushti Kishor Pawar	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
41	2301EE41	Saurabh Kumar	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
42	2301EE42	Mayank Manas	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
43	2301EE43	Vanapalli Yuvan	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
44	2301EE44	Abhinav Srivastava	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
45	2301EE45	Pranshu Deep	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
46	2301EE46	Manu Kushwah	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
47	2301EE47	Suresh Chandra Salvi	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)
48	2301EE48	Vansh Kumar	Electrical and Electronics Engineering (4 Years, Bachelor of Technology)

6. Mathematics and Computing:

Sl No	Roll No	Name	Dept
1	2300PR01	Ajay Chaudhary	Mathematics and Computing (4 Years, Bachelor of Technology)
2	2301MC02	Aditya Mehrotra	Mathematics and Computing (4 Years, Bachelor of Technology)
3	2301MC03	Advait Deshmukh	Mathematics and Computing (4 Years, Bachelor of Technology)
4	2301MC04	Anuj Kumar	Mathematics and Computing (4 Years, Bachelor of Technology)
5	2301MC05	Toleti Bharadwaj	Mathematics and Computing (4 Years, Bachelor of Technology)
6	2301MC06	Chirag Agrawal	Mathematics and Computing (4 Years, Bachelor of Technology)
7	2301MC07	Rayapudi Gnanesh	Mathematics and Computing (4 Years, Bachelor of Technology)
8	2301MC08	Harsh Upadhyay	Mathematics and Computing (4 Years, Bachelor of Technology)
9	2301MC09	Ishika Khanagwal	Mathematics and Computing (4 Years, Bachelor of Technology)
10	2301MC10	Karan Veer Gautam Sharma	Mathematics and Computing (4 Years, Bachelor of Technology)
11	2301MC11	Yadav Khushi Suresh	Mathematics and Computing (4 Years, Bachelor of Technology)
12	2301MC12	Kommu Hari Kishan	Mathematics and Computing (4 Years, Bachelor of Technology)
13	2301MC13	Kulshreshtha Singh	Mathematics and Computing (4 Years, Bachelor of Technology)
14	2301MC14	Talluri Lakshmi Narasimham	Mathematics and Computing (4 Years, Bachelor of Technology)
15	2301MC15	Mahipal Maddu	Mathematics and Computing (4 Years, Bachelor of Technology)
16	2301MC16	Kalakota Maneesh Kumar Reddy	Mathematics and Computing (4 Years, Bachelor of Technology)
17	2301MC17	Prakhar Palod	Mathematics and Computing (4 Years, Bachelor of Technology)
18	2301MC18	Prashant Nigam	Mathematics and Computing (4 Years, Bachelor of Technology)
19	2301MC19	Prathita Sree Gorantla	Mathematics and Computing (4 Years, Bachelor of Technology)
20	2301MC20	Pushpendra Choure	Mathematics and Computing (4 Years, Bachelor of Technology)
21	2301MC21	Rahul Singh Meena	Mathematics and Computing (4 Years, Bachelor of Technology)
22	2301MC22	Rajit Anand	Mathematics and Computing (4 Years, Bachelor of Technology)
23	2301MC23	M.sahaja Sree	Mathematics and Computing (4 Years, Bachelor of Technology)
24	2301MC24	Pamula Sai Bhargav	Mathematics and Computing (4 Years, Bachelor of Technology)
25	2301MC25	Gundeboina Sai Charan	Mathematics and Computing (4 Years, Bachelor of Technology)
26	2301MC26	Sarthak Kushwah	Mathematics and Computing (4 Years, Bachelor of Technology)
27	2301MC27	Siddharth Anand	Mathematics and Computing (4 Years, Bachelor of Technology)
28	2301MC28	Gaddipati Sri Thanishka	Mathematics and Computing (4 Years, Bachelor of Technology)
29	2301MC29	Sumit	Mathematics and Computing (4 Years, Bachelor of Technology)
30	2301MC30	Tanisha Gupta	Mathematics and Computing (4 Years, Bachelor of Technology)
31	2301MC31	Utkarsh Kumar	Mathematics and Computing (4 Years, Bachelor of Technology)
32	2301MC32	Utkarsh Verma	Mathematics and Computing (4 Years, Bachelor of Technology)
33	2301MC33	Vansh Goyal	Mathematics and Computing (4 Years, Bachelor of Technology)
34	2301MC34	Bellam Yoshitha Chowdary	Mathematics and Computing (4 Years, Bachelor of Technology)
35	2301MC35	Ravindra Bhati	Mathematics and Computing (4 Years, Bachelor of Technology)
36	2301MC36	Pajjur Siddhartha Reddy	Mathematics and Computing (4 Years, Bachelor of Technology)
37	2301MC37	Gujja Lakshmi Yashasvi Satvik	Mathematics and Computing (4 Years, Bachelor of Technology)
38	2301MC38	Patel Varada Chiragkumar	Mathematics and Computing (4 Years, Bachelor of Technology)
39	2301MC39	Tarushi Singh	Mathematics and Computing (4 Years, Bachelor of Technology)
40	2301MC40	Anish Kumar	Mathematics and Computing (4 Years, Bachelor of Technology)
41	2301MC41	Pravesh Tiwari	Mathematics and Computing (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
42	2301MC42	Garvit Dua	Mathematics and Computing (4 Years, Bachelor of Technology)
43	2301MC43	Aryaman	Mathematics and Computing (4 Years, Bachelor of Technology)
44	2301MC44	Sunny Nitnaware	Mathematics and Computing (4 Years, Bachelor of Technology)
45	2301MC45	Vichitra Katariya	Mathematics and Computing (4 Years, Bachelor of Technology)
46	2301MC46	Mala Ram	Mathematics and Computing (4 Years, Bachelor of Technology)
47	2301MC47	Mohit Kumar	Mathematics and Computing (4 Years, Bachelor of Technology)
48	2301MC49	Shakib Akhtar	Mathematics and Computing (4 Years, Bachelor of Technology)
49	2301MC50	Sparsh Ranjan	Mathematics and Computing (4 Years, Bachelor of Technology)

7. Mechanical Engineering:

Sl No	Roll No	Name	Dept
1	2300PR04	Sonam Lhamu	Mechanical Engineering (4 Years, Bachelor of Technology)
2	2301ME01	Mutyam Aasritha	Mechanical Engineering (4 Years, Bachelor of Technology)
3	2301ME02	Abhay V H	Mechanical Engineering (4 Years, Bachelor of Technology)
4	2301ME03	Aditya Onam	Mechanical Engineering (4 Years, Bachelor of Technology)
5	2301ME04	Satpute Aditya Tukaram	Mechanical Engineering (4 Years, Bachelor of Technology)
6	2301ME05	Aman Arora	Mechanical Engineering (4 Years, Bachelor of Technology)
7	2301ME06	Aman Raj Saurav	Mechanical Engineering (4 Years, Bachelor of Technology)
8	2301ME07	Mallela Amrutha Hasini	Mechanical Engineering (4 Years, Bachelor of Technology)
9	2301ME08	Aniket Sinha	Mechanical Engineering (4 Years, Bachelor of Technology)
10	2301ME09	Anshika Shriram Moundekar	Mechanical Engineering (4 Years, Bachelor of Technology)
11	2301ME10	Pathivada Asritha	Mechanical Engineering (4 Years, Bachelor of Technology)
12	2301ME11	Ayush Uday Kumar	Mechanical Engineering (4 Years, Bachelor of Technology)
13	2301ME12	Pulavarthi Bhavya Akshita	Mechanical Engineering (4 Years, Bachelor of Technology)
14	2301ME13	Chaitanya Jha	Mechanical Engineering (4 Years, Bachelor of Technology)
15	2301ME14	Chandan Seth	Mechanical Engineering (4 Years, Bachelor of Technology)
16	2301ME15	Dev Kumar	Mechanical Engineering (4 Years, Bachelor of Technology)
17	2301ME16	Dev Vrathe Tewatia	Mechanical Engineering (4 Years, Bachelor of Technology)
18	2301ME17	Divyansh Gupta	Mechanical Engineering (4 Years, Bachelor of Technology)
19	2301ME18	Gajendra	Mechanical Engineering (4 Years, Bachelor of Technology)
20	2301ME19	Harsh Raj	Mechanical Engineering (4 Years, Bachelor of Technology)
21	2301ME20	Jonnadula Hemanth Venkata Sai	Mechanical Engineering (4 Years, Bachelor of Technology)
22	2301ME21	Himanshu Kumar	Mechanical Engineering (4 Years, Bachelor of Technology)
23	2301ME22	Thupakula Humith Krishna	Mechanical Engineering (4 Years, Bachelor of Technology)
24	2301ME23	Jatin Aggarwal	Mechanical Engineering (4 Years, Bachelor of Technology)
25	2301ME24	Kanika Shrivastava	Mechanical Engineering (4 Years, Bachelor of Technology)
26	2301ME25	Kondaveti Venkata Koushik	Mechanical Engineering (4 Years, Bachelor of Technology)
27	2301ME26	Kshitij Vinay Vasule	Mechanical Engineering (4 Years, Bachelor of Technology)
28	2301ME27	Lalit Thakur	Mechanical Engineering (4 Years, Bachelor of Technology)
29	2301ME28	Bhaskaruni Lochan	Mechanical Engineering (4 Years, Bachelor of Technology)
30	2301ME29	Lohitaksha Guha	Mechanical Engineering (4 Years, Bachelor of Technology)
31	2301ME30	Mayank Singh	Mechanical Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
32	2301ME32	Md Imran Hassan	Mechanical Engineering (4 Years, Bachelor of Technology)
33	2301ME33	Mitali Kumari	Mechanical Engineering (4 Years, Bachelor of Technology)
34	2301ME34	Mohit Meena	Mechanical Engineering (4 Years, Bachelor of Technology)
35	2301ME35	Mohit Sahu	Mechanical Engineering (4 Years, Bachelor of Technology)
36	2301ME36	Nikhil Natraj Singh	Mechanical Engineering (4 Years, Bachelor of Technology)
37	2301ME37	Piyush Jatoliya	Mechanical Engineering (4 Years, Bachelor of Technology)
38	2301ME38	Pratibha Mondal	Mechanical Engineering (4 Years, Bachelor of Technology)
39	2301ME39	Vandrasri Praveen	Mechanical Engineering (4 Years, Bachelor of Technology)
40	2301ME40	Priyanshi Agrawal	Mechanical Engineering (4 Years, Bachelor of Technology)
41	2301ME41	Priyanshu Priyam	Mechanical Engineering (4 Years, Bachelor of Technology)
42	2301ME42	Raj Shekhar	Mechanical Engineering (4 Years, Bachelor of Technology)
43	2301ME43	Pasula Ramu	Mechanical Engineering (4 Years, Bachelor of Technology)
44	2301ME44	Rohit Makde	Mechanical Engineering (4 Years, Bachelor of Technology)
45	2301ME45	Sanit Sinha	Mechanical Engineering (4 Years, Bachelor of Technology)
46	2301ME46	Somya Shourya	Mechanical Engineering (4 Years, Bachelor of Technology)
47	2301ME47	Sparsh Choudhary	Mechanical Engineering (4 Years, Bachelor of Technology)
48	2301ME48	Malladi Sree Jayanth	Mechanical Engineering (4 Years, Bachelor of Technology)
49	2301ME49	Tanish Rajesh Chordiya	Mechanical Engineering (4 Years, Bachelor of Technology)
50	2301ME50	Tushar	Mechanical Engineering (4 Years, Bachelor of Technology)
51	2301ME51	Vartika Joshi	Mechanical Engineering (4 Years, Bachelor of Technology)
52	2301ME52	Ulli Veda Aswitha	Mechanical Engineering (4 Years, Bachelor of Technology)
53	2301ME53	Jonnakuti Vinay	Mechanical Engineering (4 Years, Bachelor of Technology)
54	2301ME54	Vinod Singh Rathore	Mechanical Engineering (4 Years, Bachelor of Technology)
55	2301ME55	Vishal Reddy Yadama	Mechanical Engineering (4 Years, Bachelor of Technology)
56	2301ME56	Konda Bathini Vishwa Teja	Mechanical Engineering (4 Years, Bachelor of Technology)
57	2301ME57	Abhay Prajapati	Mechanical Engineering (4 Years, Bachelor of Technology)
58	2301ME58	Khethavath Anil Naik	Mechanical Engineering (4 Years, Bachelor of Technology)
59	2301ME59	Jaysmith Das	Mechanical Engineering (4 Years, Bachelor of Technology)
60	2301ME60	Lucky Mishra	Mechanical Engineering (4 Years, Bachelor of Technology)
61	2301ME61	Kakara Vainateya	Mechanical Engineering (4 Years, Bachelor of Technology)
62	2301ME62	Abhijat Jha	Mechanical Engineering (4 Years, Bachelor of Technology)
63	2301ME63	Avadhesh Kumar Sharma	Mechanical Engineering (4 Years, Bachelor of Technology)
64	2301ME64	Kshitij Kumar Singh	Mechanical Engineering (4 Years, Bachelor of Technology)
65	2301ME65	Masa Sudharshan	Mechanical Engineering (4 Years, Bachelor of Technology)
66	2301ME66	Venkatesh Mishra	Mechanical Engineering (4 Years, Bachelor of Technology)
67	2301ME67	Lalit Sen	Mechanical Engineering (4 Years, Bachelor of Technology)
68	2301ME68	Nishchay Monga	Mechanical Engineering (4 Years, Bachelor of Technology)
69	2301ME69	Gangala Sai Goutham	Mechanical Engineering (4 Years, Bachelor of Technology)
70	2301ME70	Saya Sunil	Mechanical Engineering (4 Years, Bachelor of Technology)
71	2301ME71	Shiv Kumar	Mechanical Engineering (4 Years, Bachelor of Technology)
72	2301ME72	Arsalan Azmat	Mechanical Engineering (4 Years, Bachelor of Technology)
73	2301ME73	Rahul Mali	Mechanical Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
74	2301ME74	Bodeddula Ganesh Sreenivasa Reddy	Mechanical Engineering (4 Years, Bachelor of Technology)
75	2301ME75	Monali	Mechanical Engineering (4 Years, Bachelor of Technology)
76	2301ME76	Shefali Bishnoi	Mechanical Engineering (4 Years, Bachelor of Technology)
77	2301ME77	Tripurari Kumar	Mechanical Engineering (4 Years, Bachelor of Technology)
78	2301ME78	Ganta Kodandaraao	Mechanical Engineering (4 Years, Bachelor of Technology)
79	2301ME79	Priyadarshi Prince	Mechanical Engineering (4 Years, Bachelor of Technology)

8. Metallurgical and Materials Engineering:

Sl No	Roll No	Name	Dept
1	2300PR05	Hiteshwari	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
2	2301MM01	Abhay Varshney	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
3	2301MM02	Abhinay Maurya	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
4	2301MM03	Ajay Kumar Saini	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
5	2301MM04	Ananta Basudev Nanda	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
6	2301MM05	Vithanala Balu	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
7	2301MM06	Bharat Kumar	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
8	2301MM07	Deepesh Kumar	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
9	2301MM08	Jyoti Shikha	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
10	2301MM09	Shaik Masthan Vali	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
11	2301MM10	Md Hamid Alam	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
12	2301MM11	Nelanti Nishanth Kumar	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
13	2301MM12	Prabhraj Singh Billing	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
14	2301MM13	Rishabh Singh	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
15	2301MM14	Shaurya Aggarwal	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
16	2301MM15	Shaurya Kumar Maurya	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
17	2301MM16	Sankpal Shreyash Balaso	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
18	2301MM17	Swapnil Kumar Baranwal	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
19	2301MM18	Vibhuti Gupta	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
20	2301MM19	Arti Kumari	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
21	2301MM20	Geetanjali Tyagi	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
22	2301MM21	Aaditya Chandra	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
23	2301MM22	Dhivyesh R	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
24	2301MM23	Kshitij Prakash	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
25	2301MM24	Simran Sarkar	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
26	2301MM25	Viraj Gururaj Kulkarni	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
27	2301MM26	Abhishek Indoliya	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
28	2301MM27	Mohammad Faiz Ahmad	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
29	2301MM28	Sagar Kumar	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
30	2301MM29	Aviral Awasthi	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
31	2301MM30	Tejavath Hemanth	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
32	2301MM31	Sanskar Sahu	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
33	2301MM32	Diptanshu Saurav	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
34	2301MM33	Ramavath Jagadeesh	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
35	2301MM34	Rishav Anand	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
36	2301MM35	Mogilicherla Vishal Gowtham	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
37	2301MM36	Rakesh Kumar	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
38	2301MM37	Anshul Verma	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
39	2301MM38	Remanshu	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
40	2301MM39	Bolli Pranay	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)
41	2301MM40	Sanskriti Mahaveer Shetti	Metallurgical and Materials Engineering (4 Years, Bachelor of Technology)

9. Engineering Physics:

Sl No	Roll No	Name	Dept
1	2301PH01	Aditya Chandra	Engineering Physics (4 Years, Bachelor of Technology)
2	2301PH02	Aditya Mittal	Engineering Physics (4 Years, Bachelor of Technology)
3	2301PH03	Aditya Prakash Gupta	Engineering Physics (4 Years, Bachelor of Technology)
4	2301PH04	Amit	Engineering Physics (4 Years, Bachelor of Technology)
5	2301PH05	Angaanba Ningthoujam	Engineering Physics (4 Years, Bachelor of Technology)
6	2301PH06	Arunvishal Palanisamy	Engineering Physics (4 Years, Bachelor of Technology)
7	2301PH07	Ashmit Verma	Engineering Physics (4 Years, Bachelor of Technology)
8	2301PH08	Azariah Peter	Engineering Physics (4 Years, Bachelor of Technology)
9	2301PH09	Deveshsingh	Engineering Physics (4 Years, Bachelor of Technology)
10	2301PH10	Muskan Singh	Engineering Physics (4 Years, Bachelor of Technology)
11	2301PH11	Naveen Saini	Engineering Physics (4 Years, Bachelor of Technology)
12	2301PH12	Nishanth K	Engineering Physics (4 Years, Bachelor of Technology)
13	2301PH13	Nived Krishna M	Engineering Physics (4 Years, Bachelor of Technology)
14	2301PH14	Ratan Deep Prasad	Engineering Physics (4 Years, Bachelor of Technology)
15	2301PH15	Ritesh	Engineering Physics (4 Years, Bachelor of Technology)
16	2301PH16	Shivam Kumar Kannoja	Engineering Physics (4 Years, Bachelor of Technology)
17	2301PH17	Shivang Rayat	Engineering Physics (4 Years, Bachelor of Technology)
18	2301PH18	Yashraj Singh Thakur	Engineering Physics (4 Years, Bachelor of Technology)
19	2301PH19	Aekampreet Singh Dhira	Engineering Physics (4 Years, Bachelor of Technology)
20	2301PH20	Banoth Naveen	Engineering Physics (4 Years, Bachelor of Technology)
21	2301PH21	Neerati Pranay	Engineering Physics (4 Years, Bachelor of Technology)
22	2301PH22	Tanish Dhankhar	Engineering Physics (4 Years, Bachelor of Technology)
23	2301PH23	Mohamed Farhan	Engineering Physics (4 Years, Bachelor of Technology)
24	2301PH24	Utpal Raj Ambastha	Engineering Physics (4 Years, Bachelor of Technology)

SI No	Roll No	Name	Dept
25	2301PH25	Riya Singh	Engineering Physics (4 Years, Bachelor of Technology)
26	2301PH26	Aakarsh Sinha	Engineering Physics (4 Years, Bachelor of Technology)
27	2301PH27	Katravath Rahul	Engineering Physics (4 Years, Bachelor of Technology)
28	2301PH28	Shivani	Engineering Physics (4 Years, Bachelor of Technology)
29	2301PH29	Rakesh	Engineering Physics (4 Years, Bachelor of Technology)
30	2301PH30	Nikhil Pratap Singh	Engineering Physics (4 Years, Bachelor of Technology)
31	2301PH31	Rugada Sridutt	Engineering Physics (4 Years, Bachelor of Technology)
32	2301PH32	Jadi Anmisha	Engineering Physics (4 Years, Bachelor of Technology)

10. B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

SI No	Roll No	Name	Dept
1	2302GT01	Daksh Bhatti	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
2	2302GT02	Saatvik Pandey	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
3	2302GT03	Saurabh Kumar	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
4	2302GT04	Ramavath Vishnu Vardhan	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
5	2302GT05	Tuhin Shandillya	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
6	2302GT06	Amaan Ali	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
7	2302GT07	Priyam Mishra	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
8	2302GT08	Shibanshu Soubhagya Das	B. Tech in CE. - M. Tech. in Geotechnical Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

11. B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

SI No	Roll No	Name	Dept
1	2302ST01	Arshdeep Singh Sokhi	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
2	2302ST02	Dikshant Khobragade	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
3	2302ST03	Parth Sharma	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
4	2302ST04	Rishabh Singraur	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
5	2302ST05	Khushi Dwivedi	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
6	2302ST06	Kowtharapu Venkata Vaishnav Nath	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
7	2302ST07	Nallapu Sravan Kumar	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
8	2302ST08	Taksh Bhawan	B. Tech in CE. - M. Tech. in Structural Engineering (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

12. B. Tech. (CSE) and M.Tech. in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

Sl No	Roll No	Name	Dept
1	2302CS01	Ansh Prem	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
2	2302CS02	Chennupati Koushik	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
3	2302CS03	Somara Nikhil	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
4	2302CS04	Ronte Om Sanjeev	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
5	2302CS05	Pragya Mahajan	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
6	2302CS06	Pranjal Kole	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
7	2302CS07	Srikant Sahoo	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
8	2302CS08	Manshi Prajapati	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
9	2302CS09	Rithvik Konidena	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
10	2302CS10	Nakshatra Kanchan	B. Tech. (CSE) and M.Tech in CSE (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

13. B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

Sl No	Roll No	Name	Dept
1	2302VL01	Aditi Jana	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
2	2302VL02	K Ajay	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
3	2302VL03	Bommu Kiran Kumar	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
4	2302VL04	Vutukuri Naveen Reddy	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
5	2302VL05	Praful L	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
6	2302VL06	Rathlavath Rahul	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
7	2302VL07	Perepu Venkata Sai Karthik	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
8	2302VL08	Vijay Garg	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
9	2302VL09	Gandam Karthik	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
10	2302VL10	Shreya Singh	B. Tech. (ECE) -M. Tech. in VLSI (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

14. B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

Sl No	Roll No	Name	Dept
1	2302PC01	Aditya Prakash	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
2	2302PC02	Amal Biju	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
3	2302PC03	Challuri Bhanu Sri	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
4	2302PC04	Shashank Deep	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
5	2302PC05	Yagyesh Anshul	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

Sl No	Roll No	Name	Dept
6	2302PC06	Manya Rai	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
7	2302PC07	Krish Dewangan	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
8	2302PC08	Subodh Vidyaman Lihitkar	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
9	2302PC09	Praveen Deepak Koripalli	B. Tech. (EEE)-M. Tech. in (Power & Control) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

**15. B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing)
(5 Years, B.Tech. + M.Tech./MS (Dual Degree))**

Sl No	Roll No	Name	Dept
1	2302MC01	Gondi Anirudh Reddy	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
2	2302MC02	Bhumi Garg	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
3	2302MC03	Chirag Rana	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
4	2302MC04	Kashish Rai	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
5	2302MC05	Laksh Kumar Sisodiya	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
6	2302MC06	Maganjot Singh	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
7	2302MC07	Rishit Dutta	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
8	2302MC09	Sunny Kumar	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
9	2302MC10	Peddi Veda Laxman	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
10	2302MC11	Shubham Prakash	B. Tech. (Mathematics & Computing) M. Tech. in (Mathematics & Computing) (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

16. B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

Sl No	Roll No	Name	Dept
1	2302MT01	Aditya Thurwal	B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
2	2302MT02	Kartikey Vishwakarma	B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
3	2302MT03	Shourya	B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
4	2302MT04	Sushanth Yelishetty	B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
5	2302MT05	Pt Bhoodev Bhushan Mishra	B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
6	2302MT06	Anil Kumawat	B. Tech. (ME) - M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

Sl No	Roll No	Name	Dept
7	2302MT07	Bobburu Sri Chandrika	B. Tech. (ME) – M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
8	2302MT08	Kantam Anil	B. Tech. (ME) – M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))
9	2302MT09	Sonu Kumar	B. Tech. (ME) – M. Tech. in Mechatronics (5 Years, B.Tech. + M.Tech./MS (Dual Degree))

17. B. Tech. (ME) - MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))

Sl No	Roll No	Name	Dept
1	2303ME01	Aashman Awasthi	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
2	2303ME02	Abhimanyu Kumar	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
3	2303ME03	Aditya Gupta	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
4	2303ME04	Chiranjeeb Debata	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
5	2303ME05	Devasish Vaddi	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
6	2303ME06	Gargi Tiwari	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
7	2303ME07	Meruva Naga Sravani	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
8	2303ME08	Pradyumna Tambare	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
9	2303ME09	Nagireddy Shrika Reddy	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
10	2303ME10	Suryash Raj	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
11	2303ME11	Boddu Lalith Shiva Ramu	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
12	2303ME12	Shekhar Suman	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
13	2303ME13	Tarun Lokjeet	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))
14	2303ME14	Malavath Saikumar	B. Tech. (ME) – MBA (NITIE) (5 Years, Bachelor of Technology and MBA (Dual Degree))

18. B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))

Sl No	Roll No	Name	Dept
1	2302CM01	Pabolu Akhil Pavan	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
2	2302CM02	Anurag Semwal	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
3	2302CM03	Billa Naga Satya Navadeep	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
4	2302CM04	Kethavath Vinay	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
5	2302CM05	Jagarlamudi Lakshmi Sai Pavan Kumar	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
6	2302CM06	Afifah Khan	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
7	2302CM07	Ankit Kumar Kero	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
8	2302CM08	Jayinaksha Vyas	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))
9	2302CM09	Billa Sai Suhas	B.Tech. in Electronics and Communication Engineering and M.Tech. in Communication Systems (5 Years, Bachelor and Master of Technology (Dual Degree))

19. Chemical Science and Technology:

Sl No	Roll No	Name	Dept
1	2301CT01	Abhinandan Porwal	Chemical Science and Technology (4 Years, Bachelor of Technology)
2	2301CT02	Abhisek Jena	Chemical Science and Technology (4 Years, Bachelor of Technology)
3	2301CT03	Adwik Verma	Chemical Science and Technology (4 Years, Bachelor of Technology)
4	2301CT04	Anjali Kumari	Chemical Science and Technology (4 Years, Bachelor of Technology)
5	2301CT05	Ashish Kumar	Chemical Science and Technology (4 Years, Bachelor of Technology)
6	2301CT06	Pawar Atharva Pradeep	Chemical Science and Technology (4 Years, Bachelor of Technology)
7	2301CT07	Ayavanth Kumar	Chemical Science and Technology (4 Years, Bachelor of Technology)
8	2301CT08	Bismay Bibhor Behera	Chemical Science and Technology (4 Years, Bachelor of Technology)
9	2301CT09	Dinker Anand	Chemical Science and Technology (4 Years, Bachelor of Technology)
10	2301CT10	Eshu	Chemical Science and Technology (4 Years, Bachelor of Technology)
11	2301CT11	Garvit Sahni	Chemical Science and Technology (4 Years, Bachelor of Technology)
12	2301CT12	Adimoolam Krishna Veni	Chemical Science and Technology (4 Years, Bachelor of Technology)
13	2301CT13	Kumari Nisha	Chemical Science and Technology (4 Years, Bachelor of Technology)
14	2301CT14	Khandade Prajyot Shirish	Chemical Science and Technology (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
15	2301CT15	Rahul Raj	Chemical Science and Technology (4 Years, Bachelor of Technology)
16	2301CT16	Rakesh Hembram	Chemical Science and Technology (4 Years, Bachelor of Technology)
17	2301CT17	Simhadri Sandhya	Chemical Science and Technology (4 Years, Bachelor of Technology)
18	2301CT18	Pasuparthi Tejaswini	Chemical Science and Technology (4 Years, Bachelor of Technology)
19	2301CT19	Vihang Vinod Kokane	Chemical Science and Technology (4 Years, Bachelor of Technology)
20	2301CT20	Anish Kumar Jugnu	Chemical Science and Technology (4 Years, Bachelor of Technology)
21	2301CT21	Aryan Singh	Chemical Science and Technology (4 Years, Bachelor of Technology)
22	2301CT22	Devanshu Kumar	Chemical Science and Technology (4 Years, Bachelor of Technology)
23	2301CT23	Krishna Tripathi	Chemical Science and Technology (4 Years, Bachelor of Technology)
24	2301CT24	Amit Kumar	Chemical Science and Technology (4 Years, Bachelor of Technology)
25	2301CT25	Ansh Gupta	Chemical Science and Technology (4 Years, Bachelor of Technology)
26	2301CT26	Yash Vardhan Tyoharia	Chemical Science and Technology (4 Years, Bachelor of Technology)
27	2301CT27	Divyansh Maurya	Chemical Science and Technology (4 Years, Bachelor of Technology)
28	2301CT28	Khushvant Chouhan	Chemical Science and Technology (4 Years, Bachelor of Technology)
29	2301CT29	Kavya	Chemical Science and Technology (4 Years, Bachelor of Technology)
30	2301CT31	Abhay Soni	Chemical Science and Technology (4 Years, Bachelor of Technology)
31	2301CT32	Aditya V Singh	Chemical Science and Technology (4 Years, Bachelor of Technology)
32	2301CT33	Raju Kumar	Chemical Science and Technology (4 Years, Bachelor of Technology)
33	2301CT34	Kambadur Chandu	Chemical Science and Technology (4 Years, Bachelor of Technology)
34	2301CT35	Akshat Mishra	Chemical Science and Technology (4 Years, Bachelor of Technology)
35	2301CT36	Janbandhu Tanushree Vikas	Chemical Science and Technology (4 Years, Bachelor of Technology)
36	2301CT37	Tushar Kohale	Chemical Science and Technology (4 Years, Bachelor of Technology)

20. Electronics and Communication Engineering (4 Years, Bachelor of Technology):

Sl No	Roll No	Name	Dept
1	2301EC01	Abhinav Kumar	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
2	2301EC02	Aditee Sachin Patil	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
3	2301EC03	Aditi Kashyap	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
4	2301EC04	Akshat Jha	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
5	2301EC05	Ankit Kumar	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
6	2301EC06	Anupam Singh	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
7	2301EC07	Arpit Raj	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
8	2301EC08	Ayush Kumar	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
9	2301EC09	Tejavath Chandra Shekar Azad	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
10	2301EC10	Jangam Gayathri	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
11	2301EC11	Haris Ahmad	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
12	2301EC12	Jatin Kumar	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
13	2301EC13	Sripada Manaswini	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
14	2301EC14	Gundamalla Martin Daya Sagar	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
15	2301EC15	Naitik	Electronics and Communication Engineering (4 Years, Bachelor of Technology)

Sl No	Roll No	Name	Dept
16	2301EC16	Vennamaneni Niharika	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
17	2301EC17	Nishant Rajput	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
18	2301EC18	Nishtha Pandey	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
19	2301EC19	Inampudi Paavan Sankeerth	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
20	2301EC20	Priyanshu Gupta	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
21	2301EC21	B Puneeth Reddy	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
22	2301EC22	Rajith Kumar Mantrabuddi	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
23	2301EC23	Nagulwad Sameeksha Madhav	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
24	2301EC24	Santosh Yadav	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
25	2301EC25	Sashwat Pandey	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
26	2301EC26	Shaswat Suman	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
27	2301EC27	Lagudu Sindhu	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
28	2301EC28	Paluchani Siva Dhanush Reddy	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
29	2301EC29	Bhatt Smit Hiteshbhai	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
30	2301EC30	Seelam Snehan	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
31	2301EC31	Sonali Kumari	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
32	2301EC32	Subhadip Maji	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
33	2301EC33	Ujwal A R	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
34	2301EC34	Vansh Shrivastava	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
35	2301EC35	Abhishek Singh	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
36	2301EC36	Pruthvi Raj Kaavali	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
37	2301EC37	Devarakonda Sai Vignesh	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
38	2301EC38	Satyam Chauhan	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
39	2301EC39	Ashish Raj	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
40	2301EC40	Pentyala Kruthika	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
41	2301EC41	Jatavath Aravind	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
42	2301EC42	Md Sohail	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
43	2301EC43	Kushal Kesharwani	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
44	2301EC44	Prudvi Karthik	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
45	2301EC45	Sahil Pratap Singh	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
46	2301EC46	Soumyakanta Panda	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
47	2301EC47	Abhay Rajput	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
48	2301EC48	Eslavath Kalyan Adithya	Electronics and Communication Engineering (4 Years, Bachelor of Technology)
49	2301EC49	Udit Sharma	Electronics and Communication Engineering (4 Years, Bachelor of Technology)

8.1 (B) Students Enrolled in Undergraduate Courses

The Table below gives the total number of students in B.Tech. course (Upto April 2024):

Batch	EWS	GEN	OBC-NCL	ST	SC	Grand Total
2019			1			1
2020	41	154	113	60	23	391
2021	55	197	140	76	38	506
2022	66	202	154	91	51	564
2023	90	250	190	106	53	689
Grand Total	252	803	598	333	165	2151

8.1 (C) Statement of Results (Undergraduate)

Following table shows the summary of the results of the undergraduate students at IIT Patna in the year Dec 2023:

YEAR	Indicators	CSE	EE	ME	CBE	CEE	MME	AI & DS	BSMC	EPH	ECE	CST	CEE-GT	CEE-ST	CSE-CSE	ECE-Comm. Syst. Eng	EEF-PC	ECE-VL	MC-MC	ME-MBA	ME-MT
4 th Year	Pass	87	86	78	54	55	29														
	Fail	0	1	0	0	1	0														
	Total	87	87	78	54	56	29														
3 rd Year	Pass	88	86	69	54	49	29	39	47	23											
	Fail	3	3	1	3	4	3	1	3	1											
	Total	91	89	70	57	53	32	40	50	24											
2 nd Year	Pass	93	90	72	56	60	30	54	54	30											
	Fail	2	3	4	5	2	5	1	1	1											
	Total	95	93	76	61	62	35	55	55	31											
1 st Year	Pass	83	45	78	64	63	37	44	46	29	48	33	8	7	10	9	9	9	10	14	9
	Fail	2	3	0	3	5	3	3	2	3	1	3	0	1	0	0	0	1	0	0	0
	Total	85	48	78	67	68	40	47	48	32	49	36	8	8	10	9	9	10	10	14	9

Fail means one or more subject failure or CPI less than 05.

8.2 (A) Admissions to Postgraduate Students (M.Tech.)

Admission to M.Tech. Courses at IIT Patna were made through GATE performance in July/Aug, 2023. A department / specialization wise and category wise breakup of the students admitted to IIT Patna for the academic session 2023-24 is given below:

Students admitted in M.Tech. in 2023-24 in IIT Patna:

Name of Program	EWS	GE	OBC	SC	ST	Grand Total
M.Tech. Advanced Manufacturing Technology	1	2	2	2	0	7
M.Tech. Artificial Intelligence	1	7	6	1	5	20
M.Tech. Artificial Intelligence(TIH)	2	8	14	2	1	27
M.Tech. Chemical Engineering	0	1	0	0	0	1
M.Tech. Civil Engineering	3	5	7	2	0	17
M.Tech. Communication System Engineering and Signal processing	2	5	7	3	0	17

Name of Program	EWS	GE	OBC	SC	ST	Grand Total
M.Tech. Computer Science and Engineering	1	17	7	1	0	26
M.Tech. Geotechnical Engineering	3	4	6	2	0	15
M.Tech. Material Science and Engineering	1	2	1	0	0	4
M.Tech. Mathematics and Computing	4	4	6	3	1	18
M.Tech. Mechanical Design	2	4	5	1	0	12
M.Tech. Mechatronics	0	10	5	2	0	17
M.Tech. Power and Control	0	0	6	1	0	7
M.Tech. Structural Engineering	1	5	9	0	0	15
M.Tech. Thermal and Fluids Engineering	1	4	4	1	1	11
M.Tech. VLSI and Embedded Systems	3	4	6	2	0	15
Grand Total	25	82	91	23	8	229

8.2 (B) Statement of Results (Post Graduate)

Following table shows the summary of the result of the Post Graduate students (M.Tech.) at IIT Patna in the FY 2023-24 (up to end semester examination Dec 2023):

Years		Civil & Infrastructure Engineering	Computer Science & Engineering	Communication System Engineering	Mathematics & Computing	Mechanical Engineering	Mechanical Design	Advance Manufacturing Technology	Thermal & Fluids Engg.	Materials Science & Engineering	Mechatronics	VLSI & Embedded Systems	Artificial Intelligence	Geotechnical Engineering	Power and Control	Structural Engineering	MME	All Dept.
1st Year	Total	17	26	17	18	0	12	7	11	4	17	15	47	15	7	15	1	229
	Pass	17	26	16	17	0	5	4	9	4	13	11	44	14	7	11	1	199
	Fail/Incomplete	0	0	1	1	0	7	3	2	0	4	4	3	1	0	4	0	30
2nd Year	Total	13	23	17	18	21	0	0	0	13	16	7	29	8	8	7	0	180
	Pass	13	20	17	18	20	0	0	0	12	14	6	29	8	8	7	0	172
	Fail/Incomplete	0	3	0	0	1	0	0	0	1	2	1	0	0	0	0	0	8
Total	Total	30	49	34	36	21	12	7	11	17	33	22	76	23	15	22	1	409
	Pass	30	46	33	35	20	5	4	9	16	27	17	73	22	15	18	1	371
	Fail/Incomplete	0	3	1	1	1	7	3	2	1	6	5	3	1	0	4	0	38

Fail means one or more subject failure or CPI less than 6.0

8.2 (C) Branch-wise list of students who enrolled for M.Tech. at IIT Patna for the academic session 2023-2024 is given below:

Sl.No.	Year	Roll No.	Name	Gender	Dept
1	2023	2311ME21	Dhiraj Kumar	Male	M.Tech. Advanced Manufacturing Technology
2	2023	2311ME22	Jitendra Kumar	Male	M.Tech. Advanced Manufacturing Technology
3	2023	2311ME23	Muppidi Abhishek	Male	M.Tech. Advanced Manufacturing Technology
4	2023	2311ME25	Shailendra Kumar Sharma	Male	M.Tech. Advanced Manufacturing Technology
5	2023	2311ME26	Subham Khandelwal	Male	M.Tech. Advanced Manufacturing Technology
6	2023	2311ME27	Suraj Kumar	Male	M.Tech. Advanced Manufacturing Technology
7	2023	2311ME28	Himanshu	Male	M.Tech. Advanced Manufacturing Technology
8	2023	2311AI01	Eswar Charan K A	Male	M.Tech. Artificial Intelligence
9	2023	2311AI06	R E Zera Marveen Lyngkhoi	Male	M.Tech. Artificial Intelligence
10	2023	2311AI09	Sushant Dagaji Desale	Male	M.Tech. Artificial Intelligence
11	2023	2311AI12	Arti	Female	M.Tech. Artificial Intelligence
12	2023	2311AI14	Harsh Jha	Male	M.Tech. Artificial Intelligence
13	2023	2311AI16	Kumar Satyam	Male	M.Tech. Artificial Intelligence
14	2023	2311AI17	Anshu Kumari	Female	M.Tech. Artificial Intelligence
15	2023	2311AI20	Supriya Maji	Male	M.Tech. Artificial Intelligence
16	2023	2311AI33	Muneeb Ali Sheikh	Male	M.Tech. Artificial Intelligence
17	2023	2311AI50	Abhishek	Male	M.Tech. Artificial Intelligence
18	2023	2311AI51	Deepak Nagar	Male	M.Tech. Artificial Intelligence
19	2023	2311AI52	Harshit Nigam	Male	M.Tech. Artificial Intelligence
20	2023	2311AI53	Megha Kumari	Female	M.Tech. Artificial Intelligence
21	2023	2311AI54	Mohit Nathani	Male	M.Tech. Artificial Intelligence
22	2023	2311AI55	Nairutya Manishkumar Patel	Male	M.Tech. Artificial Intelligence
23	2023	2311AI56	Rahul Maurya	Male	M.Tech. Artificial Intelligence
24	2023	2311AI57	Rajat Soni	Male	M.Tech. Artificial Intelligence
25	2023	2311AI58	Siddharth Kumar	Male	M.Tech. Artificial Intelligence
26	2023	2311AI59	Udesb Kumar	Male	M.Tech. Artificial Intelligence
27	2023	2311AI60	Nishant Kumar	Male	M.Tech. Artificial Intelligence
28	2023	2311AI21	Aayush Raj	Male	M.Tech. Artificial Intelligence(TIH)
29	2023	2311AI22	Abid Hossain	Male	M.Tech. Artificial Intelligence(TIH)
30	2023	2311AI24	Anisha Kumari	Female	M.Tech. Artificial Intelligence(TIH)
31	2023	2311AI25	Arijit Maji	Male	M.Tech. Artificial Intelligence(TIH)
32	2023	2311AI27	Bhavna Surendra Latare	Female	M.Tech. Artificial Intelligence(TIH)
33	2023	2311AI29	Gaurav Melkani	Male	M.Tech. Artificial Intelligence(TIH)
34	2023	2311AI31	Kavita Yadav	Female	M.Tech. Artificial Intelligence(TIH)
35	2023	2311AI34	Pranay Narvariya	Male	M.Tech. Artificial Intelligence(TIH)
36	2023	2311AI35	Pushp Paritosh	Male	M.Tech. Artificial Intelligence(TIH)
37	2023	2311AI37	Seema Horo	Female	M.Tech. Artificial Intelligence(TIH)
38	2023	2311AI38	Shambhavi	Female	M.Tech. Artificial Intelligence(TIH)
39	2023	2311AI39	Shambhavi	Female	M.Tech. Artificial Intelligence(TIH)
40	2023	2311AI41	Shivam	Male	M.Tech. Artificial Intelligence(TIH)
41	2023	2311AI42	Shlok Kaushik	Male	M.Tech. Artificial Intelligence(TIH)
42	2023	2311AI45	Sourav Kumar	Male	M.Tech. Artificial Intelligence(TIH)
43	2023	2311AI47	Sudhanshu Chandra Mishra	Male	M.Tech. Artificial Intelligence(TIH)
44	2023	2311AI49	Vudatha Vikranth	Male	M.Tech. Artificial Intelligence(TIH)
45	2023	2311AI61	Ankita Singh	Male	M.Tech. Artificial Intelligence(TIH)
46	2023	2311AI62	Ariz Imam	Male	M.Tech. Artificial Intelligence(TIH)
47	2023	2311AI63	Bharat Singh Chauhan	Male	M.Tech. Artificial Intelligence(TIH)
48	2023	2311AI64	Debjani Das	Female	M.Tech. Artificial Intelligence(TIH)

Sl.No.	Year	Roll No.	Name	Gender	Dept
49	2023	2311AI65	Deepjyoti Bodo	Male	M.Tech. Artificial Intelligence(TIH)
50	2023	2311AI66	Diya Verma	Female	M.Tech. Artificial Intelligence(TIH)
51	2023	2311AI67	Nikhil Kumar	Male	M.Tech. Artificial Intelligence(TIH)
52	2023	2311AI68	Nimisha Jain	Female	M.Tech. Artificial Intelligence(TIH)
53	2023	2311AI69	Rabia Nasreen	Female	M.Tech. Artificial Intelligence(TIH)
54	2023	2311AI72	Yash Rathore	Male	M.Tech. Artificial Intelligence(TIH)
55	2023	2311CB02	Nayonay Wagh	Male	M.Tech. Chemical Engineering
56	2023	2311CE01	Aman Kumar	Male	M.Tech. Civil Engineering
57	2023	2311CE03	Megha	Female	M.Tech. Civil Engineering
58	2023	2311CE04	Mukesh Kumar Gautam	Male	M.Tech. Civil Engineering
59	2023	2311CE06	Priyanka Kumari	Female	M.Tech. Civil Engineering
60	2023	2311CE07	Shiv Shankar Kumar	Male	M.Tech. Civil Engineering
61	2023	2311CE25	Ashutosh Kumar	Male	M.Tech. Civil Engineering
62	2023	2311CE26	Kaushal Kumar	Male	M.Tech. Civil Engineering
63	2023	2311CE27	Pranav Kumar Badal	Male	M.Tech. Civil Engineering
64	2023	2311CE28	Shashank Kumar	Male	M.Tech. Civil Engineering
65	2023	2311CE29	Shrawan Kumar Jha	Male	M.Tech. Civil Engineering
66	2023	2311CE30	Shweta Kashyap	Female	M.Tech. Civil Engineering
67	2023	2311CE40	Rashmi Priya	Female	M.Tech. Civil Engineering
68	2023	2311CE41	Subodh Kumar Singh	Male	M.Tech. Civil Engineering
69	2023	2311CE42	Sudhanshu Ranjan	Male	M.Tech. Civil Engineering
70	2023	2311CE51	Nidhi Singh	Female	M.Tech. Civil Engineering
71	2023	2311CE52	Rajneesh Raj	Male	M.Tech. Civil Engineering
72	2023	2311CE53	Sneha Roy	Female	M.Tech. Civil Engineering
73	2023	2311EE11	Amratya Khattri	Female	M.Tech. Communication System Engineering and Signal processing
74	2023	2311EE12	Anjali Shaw	Female	M.Tech. Communication System Engineering and Signal processing
75	2023	2311EE13	Dipanshu Patel	Male	M.Tech. Communication System Engineering and Signal processing
76	2023	2311EE14	Himesh Gangrade	Male	M.Tech. Communication System Engineering and Signal processing
77	2023	2311EE15	Komal Chandra	Female	M.Tech. Communication System Engineering and Signal processing
78	2023	2311EE17	Rahul Kumar	Male	M.Tech. Communication System Engineering and Signal processing
79	2023	2311EE18	Sadhana Sagar	Female	M.Tech. Communication System Engineering and Signal processing
80	2023	2311EE20	Abhishek Kumar Anand	Male	M.Tech. Communication System Engineering and Signal processing
81	2023	2311EE21	Ashish Raj	Male	M.Tech. Communication System Engineering and Signal processing
82	2023	2311EE22	Himanshu Koley	Male	M.Tech. Communication System Engineering and Signal processing
83	2023	2311EE25	Abhishek Chauhan	Male	M.Tech. Communication System Engineering and Signal processing
84	2023	2311EE26	Shubham Kumar	Male	M.Tech. Communication System Engineering and Signal processing
85	2023	2311EE27	Soubhagya Ranjan Hota	Male	M.Tech. Communication System Engineering and Signal processing

Sl.No.	Year	Roll No.	Name	Gender	Dept
86	2023	2311EE35	M J Siya	Female	M.Tech. Communication System Engineering and Signal processing
87	2023	2311EE36	Arvind Kumar	Male	M.Tech. Communication System Engineering and Signal processing
88	2023	2311EE37	Ganesh Kumar	Male	M.Tech. Communication System Engineering and Signal processing
89	2023	2311EE38	Humra Kumar	Female	M.Tech. Communication System Engineering and Signal processing
90	2023	2311CS01		Male	M.Tech. Computer Science and Engineering
91	2023	2311CS02	Chitransh Madavi	Male	M.Tech. Computer Science and Engineering
92	2023	2311CS03	Gaurav Kumar	Male	M.Tech. Computer Science and Engineering
93	2023	2311CS04	Indrijeet Kumar	Male	M.Tech. Computer Science and Engineering
94	2023	2311CS05	Mehbub Hussain Pramanik	Male	M.Tech. Computer Science and Engineering
95	2023	2311CS06	Rashmi Raj	Male	M.Tech. Computer Science and Engineering
96	2023	2311CS07	Saurya Suman	Male	M.Tech. Computer Science and Engineering
97	2023	2311CS08	Shivesh Kumar	Male	M.Tech. Computer Science and Engineering
98	2023	2311CS09	Swarup Das	Male	M.Tech. Computer Science and Engineering
99	2023	2311CS10	Amey Vilas Pugaonkar	Male	M.Tech. Computer Science and Engineering
100	2023	2311CS11	Sannu Kumar	Male	M.Tech. Computer Science and Engineering
101	2023	2311CS18	Sonam Kumari	Female	M.Tech. Computer Science and Engineering
102	2023	2311CS29	Arshad Iqbal	Male	M.Tech. Computer Science and Engineering
103	2023	2311CS30	Ujjwal Chaudhary	Male	M.Tech. Computer Science and Engineering
104	2023	2311CS31	Anupam Pandey	Male	M.Tech. Computer Science and Engineering
105	2023	2311CS32	Nawneet Kumar Upadhyay	Male	M.Tech. Computer Science and Engineering
106	2023	2311CS33	Sumit Kumar Singh	Male	M.Tech. Computer Science and Engineering
107	2023	2311CS34	Akash Aman Singh	Male	M.Tech. Computer Science and Engineering
108	2023	2311CS35	Akshun Pratap Dubey	Male	M.Tech. Computer Science and Engineering
109	2023	2311CS36	Sakshi Singh	Female	M.Tech. Computer Science and Engineering
110	2023	2311CS37	Shiva Gupta	Male	M.Tech. Computer Science and Engineering
111	2023	2311CS38	Shivam Kripashankar Singh	Male	M.Tech. Computer Science and Engineering
112	2023	2311CS39	Shobhit Pandey	Male	M.Tech. Computer Science and Engineering
113	2023	2311CS40	Sourabh Mehra	Male	M.Tech. Computer Science and Engineering
114	2023	2311CS41	Uttam Gupta	Male	M.Tech. Computer Science and Engineering
115	2023	2311CS42	Vishal Jaiswal	Male	M.Tech. Computer Science and Engineering
116	2023	2311CE09	Abhinandan Kumar	Male	M.Tech. Geotechnical Engineering
117	2023	2311CE10	Akrity Kumari	Female	M.Tech. Geotechnical Engineering
118	2023	2311CE11	Ananya Aman	Female	M.Tech. Geotechnical Engineering
119	2023	2311CE12	Ashutosh Pratap Shastri	Male	M.Tech. Geotechnical Engineering
120	2023	2311CE13	Rajesh Kumar	Male	M.Tech. Geotechnical Engineering
121	2023	2311CE14	Shishupal Kumar	Male	M.Tech. Geotechnical Engineering
122	2023	2311CE16	Utkarsh Kumar	Male	M.Tech. Geotechnical Engineering
123	2023	2311CE31	Abhay	Male	M.Tech. Geotechnical Engineering
124	2023	2311CE32	Komal Kumari	Female	M.Tech. Geotechnical Engineering
125	2023	2311CE33	Rishabh Anand	Male	M.Tech. Geotechnical Engineering
126	2023	2311CE34	Saket Kumar Nirala	Male	M.Tech. Geotechnical Engineering
127	2023	2311CE35	Utkarsh Shrivastava	Male	M.Tech. Geotechnical Engineering
128	2023	2311CE49	Md Nurul Hasan	Male	M.Tech. Geotechnical Engineering
129	2023	2311CE54	Ankit Kumar	Male	M.Tech. Geotechnical Engineering
130	2023	2311CE55	Gaurav Kumar	Male	M.Tech. Geotechnical Engineering
131	2023	2311MM01	Aditiya Mishra	Male	M.Tech. Material Science and Engineering

Sl.No.	Year	Roll No.	Name	Gender	Dept
132	2023	2311MM02	Akash Kumar Jaiswal	Male	M.Tech. Material Science and Engineering
133	2023	2311MM03	Ananda Kamal Sur	Male	M.Tech. Material Science and Engineering
134	2023	2311MM04	Anunad Mishra	Male	M.Tech. Material Science and Engineering
135	2023	2311MC01	Abhishek Kumar	Male	M.Tech. Mathematics and Computing
136	2023	2311MC04	Ankit Anand	Male	M.Tech. Mathematics and Computing
137	2023	2311MC05	Ashish Pratap	Male	M.Tech. Mathematics and Computing
138	2023	2311MC08	Lavkesh Madavi	Male	M.Tech. Mathematics and Computing
139	2023	2311MC09	Manisha Jaishwal	Female	M.Tech. Mathematics and Computing
140	2023	2311MC10	Prolay Kayal	Male	M.Tech. Mathematics and Computing
141	2023	2311MC11	Raja Laha	Male	M.Tech. Mathematics and Computing
142	2023	2311MC12	Rishav Ranaut	Male	M.Tech. Mathematics and Computing
143	2023	2311MC13	Shakti Singh	Male	M.Tech. Mathematics and Computing
144	2023	2311MC14	Souvik Ghosh	Male	M.Tech. Mathematics and Computing
145	2023	2311MC15	Sujit Das	Male	M.Tech. Mathematics and Computing
146	2023	2311MC16	Sayak Mondal	Male	M.Tech. Mathematics and Computing
147	2023	2311MC17	Suraj Kumar	Male	M.Tech. Mathematics and Computing
148	2023	2311MC18	Sovan Pal	Male	M.Tech. Mathematics and Computing
149	2023	2311MC19	Ashutosh Kumar	Male	M.Tech. Mathematics and Computing
150	2023	2311MC20	Dhruv Kanti	Male	M.Tech. Mathematics and Computing
151	2023	2311MC21	Khushbu Bharti	Female	M.Tech. Mathematics and Computing
152	2023	2311MC22	Mintu Adak	Male	M.Tech. Mathematics and Computing
153	2023	2311ME13	Arpit Anil Kurane	Male	M.Tech. Mechanical Design
154	2023	2311ME14	Deepak Kumar Bharti	Male	M.Tech. Mechanical Design
155	2023	2311ME15	Jayprakash Verma	Male	M.Tech. Mechanical Design
156	2023	2311ME17	Pragvansh Sharma	Male	M.Tech. Mechanical Design
157	2023	2311ME18	Shivesh Kumar Sharan	Male	M.Tech. Mechanical Design
158	2023	2311ME19	Soumyajyoti Purkayastha	Male	M.Tech. Mechanical Design
159	2023	2311ME30	Harsh Aryan	Male	M.Tech. Mechanical Design
160	2023	2311ME31	Manikandan R	Male	M.Tech. Mechanical Design
161	2023	2311ME32	Bitendra Kumar	Male	M.Tech. Mechanical Design
162	2023	2311ME33	Sandeep Sahay	Male	M.Tech. Mechanical Design
163	2023	2311ME36	Prateek Mahajan	Male	M.Tech. Mechanical Design
164	2023	2311ME37	Syed Aamir Sultan	Male	M.Tech. Mechanical Design
165	2023	2311MT01	Aditya Gupta	Male	M.Tech. Mechatronics
166	2023	2311MT04	Hardik Singh Chauhan	Male	M.Tech. Mechatronics
167	2023	2311MT05	Nasu Avinash	Male	M.Tech. Mechatronics
168	2023	2311MT06	Prem Prakash	Male	M.Tech. Mechatronics
169	2023	2311MT07	Priyanshu Chaturvedi	Male	M.Tech. Mechatronics
170	2023	2311MT08	Sanjeev Kumar Maurya	Male	M.Tech. Mechatronics
171	2023	2311MT09	Sujoy Garain	Male	M.Tech. Mechatronics
172	2023	2311MT10	Uday Narayan Sharma	Male	M.Tech. Mechatronics
173	2023	2311MT11	Yogendra Pratap Singh	Male	M.Tech. Mechatronics
174	2023	2311MT12	Hemang Dipakbhai Chhatbar	Male	M.Tech. Mechatronics
175	2023	2311MT13	Pratik Kumar Bhanwala	Male	M.Tech. Mechatronics
176	2023	2311MT15	Ajit Ramsajivan Yadav	Male	M.Tech. Mechatronics
177	2023	2311MT16	Deepu Kumar Giri	Male	M.Tech. Mechatronics
178	2023	2311MT18	Karan Rajesh Thakur	Male	M.Tech. Mechatronics
179	2023	2311MT20	Chakradhar Vutukuri	Male	M.Tech. Mechatronics
180	2023	2311MT21	Krishnaprasath Dharmaraj	Male	M.Tech. Mechatronics
181	2023	2311MT24	W Subin Ansh	Male	M.Tech. Mechatronics

Sl.No.	Year	Roll No.	Name	Gender	Dept
182	2023	2311EE08	Manish Kumar	Male	M.Tech. Power and Control
183	2023	2311EE09	Mukesh Singh	Male	M.Tech. Power and Control
184	2023	2311EE10	Raja Abhishek	Male	M.Tech. Power and Control
185	2023	2311EE30	Rohit Raj	Male	M.Tech. Power and Control
186	2023	2311EE39	Pragya Raj	Female	M.Tech. Power and Control
187	2023	2311EE40	Sarita Kumari	Female	M.Tech. Power and Control
188	2023	2311EE41	Sumit Ranjan	Male	M.Tech. Power and Control
189	2023	2311CE18	Dheeraj Kumar Yadav	Male	M.Tech. Structural Engineering
190	2023	2311CE19	Gaurav Kumar	Male	M.Tech. Structural Engineering
191	2023	2311CE20	Kamaljee Mandal	Male	M.Tech. Structural Engineering
192	2023	2311CE21	Karan Bhaiyasaheb Mali	Male	M.Tech. Structural Engineering
193	2023	2311CE22	Rajesh Kumar	Male	M.Tech. Structural Engineering
194	2023	2311CE23	Sumit Kumar	Male	M.Tech. Structural Engineering
195	2023	2311CE24	Tathagat Rakesh	Male	M.Tech. Structural Engineering
196	2023	2311CE37	Ashish Kumar Verma	Male	M.Tech. Structural Engineering
197	2023	2311CE47	Dharam Veer Singh	Male	M.Tech. Structural Engineering
198	2023	2311CE56	Amarnath Gupta	Male	M.Tech. Structural Engineering
199	2023	2311CE57	Nripesh Jha	Male	M.Tech. Structural Engineering
200	2023	2311CE58	Santosh Kumar	Male	M.Tech. Structural Engineering
201	2023	2311CE59	Satish Kumar	Male	M.Tech. Structural Engineering
202	2023	2311CE60	Saurav Kumar Nidhi	Male	M.Tech. Structural Engineering
203	2023	2311CE61	Mahabir Kishor	Male	M.Tech. Structural Engineering
204	2023	2311ME01	Akshay Kumar	Male	M.Tech. Thermal and Fluids Engineering
205	2023	2311ME02	Apoorva Rani	Female	M.Tech. Thermal and Fluids Engineering
206	2023	2311ME03	Deepa Shree	Female	M.Tech. Thermal and Fluids Engineering
207	2023	2311ME04	Joseph Babu	Male	M.Tech. Thermal and Fluids Engineering
208	2023	2311ME05	Nidhi Kumari Gupta	Female	M.Tech. Thermal and Fluids Engineering
209	2023	2311ME07	Ramraj Choudhary	Male	M.Tech. Thermal and Fluids Engineering
210	2023	2311ME08	Rishabh Jainbaar	Male	M.Tech. Thermal and Fluids Engineering
211	2023	2311ME09	Shivam Matta	Male	M.Tech. Thermal and Fluids Engineering
212	2023	2311ME11	Sushant Kumar Sharma	Male	M.Tech. Thermal and Fluids Engineering
213	2023	2311ME12	Vivek Muktieh	Male	M.Tech. Thermal and Fluids Engineering
214	2023	2311ME34	Himanshu Kumar Arya	Male	M.Tech. Thermal and Fluids Engineering
215	2023	2311EE01	Ankita Rajpoot	Female	M.Tech. VLSI and Embedded Systems
216	2023	2311EE04	Vikash Kumar	Male	M.Tech. VLSI and Embedded Systems
217	2023	2311EE28	Vivek Pratap Singh	Male	M.Tech. VLSI and Embedded Systems
218	2023	2311EE32	Gaddi Suresh Kumar	Male	M.Tech. VLSI and Embedded Systems
219	2023	2311EE33	Shashi Kant Kumar	Male	M.Tech. VLSI and Embedded Systems
220	2023	2311EE34	Md Sadique Equbal	Male	M.Tech. VLSI and Embedded Systems
221	2023	2311EE42	Ashutosh Verma	Male	M.Tech. VLSI and Embedded Systems
222	2023	2311EE43	Bhupesh Verma	Male	M.Tech. VLSI and Embedded Systems
223	2023	2311EE44	Jasmeet Kaur	Female	M.Tech. VLSI and Embedded Systems
224	2023	2311EE45	Laxmi Nidhi	Male	M.Tech. VLSI and Embedded Systems
225	2023	2311EE46	Nimai Halder	Male	M.Tech. VLSI and Embedded Systems
226	2023	2311EE47	Saurav Suman	Male	M.Tech. VLSI and Embedded Systems
227	2023	2311EE48	Siddharth Kumar	Male	M.Tech. VLSI and Embedded Systems
228	2023	2311EE49	Subham Halder	Male	M.Tech. VLSI and Embedded Systems
229	2023	2311EE50	Sujal Jain	Male	M.Tech. VLSI and Embedded Systems

8.2 (D) M.Tech. Onroll status for the academic year 2023-24

Sl. No.	Year	Roll No.	Name	Gender	Dept
1	2022	2211AI01	A S Sridhar	Male	M.Tech. Artificial Intelligence
2	2022	2211AI02	Akash Sanjay Zingade	Male	M.Tech. Artificial Intelligence
3	2022	2211AI03	Basha Mahaboob Mujavarsheik	Male	M.Tech. Artificial Intelligence
4	2022	2211AI04	Bhabya Shree Mohanty	Male	M.Tech. Artificial Intelligence
5	2022	2211AI05	Deepak Kori	Male	M.Tech. Artificial Intelligence
6	2022	2211AI06	Deepak Narayan K S	Male	M.Tech. Artificial Intelligence
7	2022	2211AI07	Desai Vishesh Yasheshbhai	Male	M.Tech. Artificial Intelligence
8	2022	2211AI08	Elidandi Rama Krishna	Male	M.Tech. Artificial Intelligence
9	2022	2211AI09	Mayur Rohidas Mhaske	Male	M.Tech. Artificial Intelligence
10	2022	2211AI10	Nemichand Rinwa	Male	M.Tech. Artificial Intelligence
11	2022	2211AI13	Ravi Joshi	Male	M.Tech. Artificial Intelligence
12	2022	2211AI14	Sonu Kumar	Male	M.Tech. Artificial Intelligence
13	2022	2211AI16	Chandera Ravi Laxmanbhai	Male	M.Tech. Artificial Intelligence
14	2022	2211AI18	Ayush Anand	Male	M.Tech. Artificial Intelligence
15	2022	2211AI19	Pratik Mahesh Marudwar	Male	M.Tech. Artificial Intelligence
16	2022	2211AI20	Lalit Jadhav	Male	M.Tech. Artificial Intelligence
17	2022	2211AI21	Manas Dubey	Male	M.Tech. Artificial Intelligence
18	2022	2211AI22	Jagarapu Ashoknaidu	Male	M.Tech. Artificial Intelligence
19	2022	2211AI23	Ashwni Kumar	Male	M.Tech. Artificial Intelligence
20	2022	2211AI24	Kumar Sanatan	Male	M.Tech. Artificial Intelligence
21	2022	2211AI26	Siddharth Shankar Rout	Male	M.Tech. Artificial Intelligence
22	2022	2211AI27	Ayush Kumar Singh	Male	M.Tech. Artificial Intelligence
23	2022	2211AI28	Gaurav Kumar	Male	M.Tech. Artificial Intelligence
24	2022	2211AI29	Anurag Sharma	Male	M.Tech. Artificial Intelligence
25	2022	2211AI32	Pareesh Prakash Bagde	Male	M.Tech. Artificial Intelligence
26	2022	2211AI33	Saurabh Gautam	Male	M.Tech. Artificial Intelligence
27	2022	2211AI34	Pooja Nigam	Female	M.Tech. Artificial Intelligence
28	2022	2211AI35	Neha Pandey	Female	M.Tech. Artificial Intelligence
29	2022	2211CE03	Hani Singh	Female	M.Tech. Civil Engineering
30	2022	2211CE04	Hemant Sagar	Male	M.Tech. Civil Engineering
31	2022	2211CE05	Krishanu Prakash	Male	M.Tech. Civil Engineering
32	2022	2211CE06	Kumari Surbhi	Female	M.Tech. Civil Engineering
33	2022	2211CE08	Md Asif Hasan	Male	M.Tech. Civil Engineering
34	2022	2211CE09	Rahul Kumar	Male	M.Tech. Civil Engineering
35	2022	2211CE11	Sarfraz Ahmad Hashmi	Male	M.Tech. Civil Engineering
36	2022	2211CE13	Ambikesh Dwivedi	Male	M.Tech. Geotechnical Engineering
37	2022	2211CE14	Chakravorthy Priya	Female	M.Tech. Geotechnical Engineering
38	2022	2211CE15	Fahim Ahmad Khan	Male	M.Tech. Geotechnical Engineering
39	2022	2211CE16	Neeraj Kumar	Male	M.Tech. Geotechnical Engineering
40	2022	2211CE19	Shashi Shekhar Kumar	Male	M.Tech. Geotechnical Engineering
41	2022	2211CE20	Suraj Appaso Patil	Male	M.Tech. Geotechnical Engineering
42	2022	2211CE21	Ajay	Male	M.Tech. Structural Engineering
43	2022	2211CE23	Prabhat Mishra	Male	M.Tech. Structural Engineering
44	2022	2211CE24	R Lalruatkima	Male	M.Tech. Structural Engineering
45	2022	2211CE26	Shubham Raj	Male	M.Tech. Structural Engineering
46	2022	2211CE28	Susanta Bhunia	Male	M.Tech. Structural Engineering
47	2022	2211CE29	Parikshit Gautam	Male	M.Tech. Civil Engineering
48	2022	2211CE31	Neel Kumar	Male	M.Tech. Civil Engineering
49	2022	2211CE32	Dinesh Patel	Male	M.Tech. Structural Engineering

Sl. No.	Year	Roll No.	Name	Gender	Dept
50	2022	2211CE36	Sonvane Chetan Chandrakant	Male	M.Tech. Civil Engineering
51	2022	2211CE37	Suraj Kumar	Male	M.Tech. Geotechnical Engineering
52	2022	2211CE38	Jeet Prakash Sharan	Male	M.Tech. Geotechnical Engineering
53	2022	2211CE39	Pritesh Shrivastava	Male	M.Tech. Civil Engineering
54	2022	2211CE40	Anubhav	Male	M.Tech. Civil Engineering
55	2022	2211CE41	Raja Kumar	Male	M.Tech. Civil Engineering
56	2022	2211CE42	Md Misbahul Haque	Male	M.Tech. Civil Engineering
57	2022	2211CE43	Shashank Kumar	Male	M.Tech. Structural Engineering
58	2022	2211CS01	Aditi Umesh Marathe	Female	M.Tech. Computer Science and Engineering
59	2022	2211CS03	Ankit Raj	Male	M.Tech. Computer Science and Engineering
60	2022	2211CS04	Ayush Kumar Jain	Male	M.Tech. Computer Science and Engineering
61	2022	2211CS05	Burja Manisha	Female	M.Tech. Computer Science and Engineering
62	2022	2211CS07	Goddu Bhargav	Male	M.Tech. Computer Science and Engineering
63	2022	2211CS08	Gourab Chatterjee	Male	M.Tech. Computer Science and Engineering
64	2022	2211CS10	Kuntal Sarkar	Male	M.Tech. Computer Science and Engineering
65	2022	2211CS12	Prabhash Meharia	Male	M.Tech. Computer Science and Engineering
66	2022	2211CS14	Raghavendra Ramesh Haibatti	Male	M.Tech. Computer Science and Engineering
67	2022	2211CS15	Rohit	Male	M.Tech. Computer Science and Engineering
68	2022	2211CS16	Shubham Kumar	Male	M.Tech. Computer Science and Engineering
69	2022	2211CS17	Vicky Jeswani	Male	M.Tech. Computer Science and Engineering
70	2022	2211CS19	Krishna Kant Verma	Male	M.Tech. Computer Science and Engineering
71	2022	2211CS22	Armita Mani Tripathi	Female	M.Tech. Computer Science and Engineering
72	2022	2211CS26	Jitendra	Male	M.Tech. Computer Science and Engineering
73	2022	2211CS27	Shubhangi Shreya	Female	M.Tech. Computer Science and Engineering
74	2022	2211CS28	Rohit Raj	Male	M.Tech. Computer Science and Engineering
75	2022	2211CS30	Swaranjali Shanker	Female	M.Tech. Computer Science and Engineering
76	2022	2211CS32	Muskan Kashyap	Female	M.Tech. Computer Science and Engineering
77	2022	2211CS33	Aditya Ranjan	Male	M.Tech. Computer Science and Engineering
78	2022	2211CS34	Rajeev Dubey	Male	M.Tech. Computer Science and Engineering
79	2022	2211EE01	Abhinash Dash	Male	M.Tech. Communication System Engineering and Signal processing
80	2022	2211EE03	Akash H Pandey	Male	M.Tech. Communication System Engineering and Signal processing
81	2022	2211EE04	Debdoot Mitra	Male	M.Tech. Communication System Engineering and Signal processing
82	2022	2211EE05	Dewa Kumar	Male	M.Tech. Communication System Engineering and Signal processing
83	2022	2211EE06	Gaud Vikram Brahamanand	Male	M.Tech. Communication System Engineering and Signal processing
84	2022	2211EE07	Gaurav Kumar	Male	M.Tech. Communication System Engineering and Signal processing
85	2022	2211EE08	Kumari Surbhi	Female	M.Tech. Communication System Engineering and Signal processing
86	2022	2211EE09	Nilabh Ranjan Singh	Male	M.Tech. Communication System Engineering and Signal processing
87	2022	2211EE10	Rajani Rajput	Female	M.Tech. Communication System Engineering and Signal processing
88	2022	2211EE11	Sumit Saurabh Jha	Male	M.Tech. Communication System Engineering and Signal processing
89	2022	2211EE16	Pankaj Chandra Joshi	Male	M.Tech. VLSI and Embedded Systems

Sl. No.	Year	Roll No.	Name	Gender	Dept
90	2022	2211EE17	Abhishek Pandey	Male	M.Tech. Power and Control
91	2022	2211EE18	Ayush Kumar	Male	M.Tech. Power and Control
92	2022	2211EE22	Pranav Mishra	Male	M.Tech. VLSI and Embedded Systems
93	2022	2211EE24	Firoz Alam	Male	M.Tech. Power and Control
94	2022	2211EE26	Kapil Khinchi	Male	M.Tech. Power and Control
95	2022	2211EE28	Anurag	Male	M.Tech. Power and Control
96	2022	2211EE29	Sushil Kumar Mishra	Male	M.Tech. Power and Control
97	2022	2211EE33	Ankit Kumar Pandit	Male	M.Tech. Communication System Engineering and Signal processing
98	2022	2211EE34	Preeti	Female	M.Tech. Communication System Engineering and Signal processing
99	2022	2211EE36	Saurav Bharti	Male	M.Tech. Power and Control
100	2022	2211EE37	Nabarjun Saha	Male	M.Tech. VLSI and Embedded Systems
101	2022	2211EE38	Adarsh Goenka	Male	M.Tech. Communication System Engineering and Signal processing
102	2022	2211EE39	Nilkamal Kumar	Male	M.Tech. Communication System Engineering and Signal processing
103	2022	2211EE40	Dayanand	Male	M.Tech. Power and Control
104	2022	2211EE41	Yash Dwivedi	Male	M.Tech. VLSI and Embedded Systems
105	2022	2211EE42	Jyotishmoy Biswas	Male	M.Tech. VLSI and Embedded Systems
106	2022	2211EE43	Kumar Saurav Deep	Male	M.Tech. Power and Control
107	2022	2211EE44	Manish	Male	M.Tech. Communication System Engineering and Signal processing
108	2022	2211EE46	Kishan	Male	M.Tech. Communication System Engineering and Signal processing
109	2022	2211EE47	Kshitiz Dixit	Male	M.Tech. Communication System Engineering and Signal processing
110	2022	2211MC05	Garima Bansal	Female	M.Tech. Mathematics and Computing
111	2022	2211MC06	Gaurav Phalkey	Male	M.Tech. Mathematics and Computing
112	2022	2211MC08	Himanshu Ranjan	Male	M.Tech. Mathematics and Computing
113	2022	2211MC09	Intaj Ahmed Choudhury	Male	M.Tech. Mathematics and Computing
114	2022	2211MC10	Kiran Kumar Dugana	Male	M.Tech. Mathematics and Computing
115	2022	2211MC11	Nanda Gopal Naskar	Male	M.Tech. Mathematics and Computing
116	2022	2211MC13	Savara Kalyan	Male	M.Tech. Mathematics and Computing
117	2022	2211MC14	Shourya Srivastava	Male	M.Tech. Mathematics and Computing
118	2022	2211MC15	Sojitra Daivik	Male	M.Tech. Mathematics and Computing
119	2022	2211MC17	Konika Mandal	Female	M.Tech. Mathematics and Computing
120	2022	2211MC19	Neetu Kumari	Female	M.Tech. Mathematics and Computing
121	2022	2211MC20	Nikhil Dev Shrivastava	Male	M.Tech. Mathematics and Computing
122	2022	2211MC21	Nikunj Pansari	Male	M.Tech. Mathematics and Computing
123	2022	2211MC22	Prithwiraj Sinha	Male	M.Tech. Mathematics and Computing
124	2022	2211MC23	Vicky Kumar	Male	M.Tech. Mathematics and Computing
125	2022	2211MC24	Sushil Kumar	Male	M.Tech. Mathematics and Computing
126	2022	2211MC25	Bhoopendra Kumar	Male	M.Tech. Mathematics and Computing
127	2022	2211MC26	Supon Mazumdar	Male	M.Tech. Mathematics and Computing
128	2022	2211MC27	Sk Salim Ali	Male	M.Tech. Mathematics and Computing
129	2022	2211ME03	Akash Kumar	Male	Mechanical Engineering
130	2022	2211ME06	Mahavir Choudhary	Male	Mechanical Engineering
131	2022	2211ME08	Rajan Kumar	Male	Mechanical Engineering

Sl. No.	Year	Roll No.	Name	Gender	Dept
132	2022	2211ME09	Rajiv Kumar	Male	Mechanical Engineering
133	2022	2211ME10	Saurabh Sharma	Male	Mechanical Engineering
134	2022	2211ME11	Vikash Kumar	Male	Mechanical Engineering
135	2022	2211ME12	Vishal Biswas	Male	Mechanical Engineering
136	2022	2211ME15	Shivam Pandey	Male	Mechanical Engineering
137	2022	2211ME17	Shubham Saurav	Male	Mechanical Engineering
138	2022	2211ME18	Krish Anand	Male	Mechanical Engineering
139	2022	2211ME20	Parameswar Rout	Male	Mechanical Engineering
140	2022	2211ME21	Anubhav Kumar	Male	Mechanical Engineering
141	2022	2211ME23	Ravindra Kumar	Male	Mechanical Engineering
142	2022	2211ME24	Manish Kumar	Male	Mechanical Engineering
143	2022	2211ME26	Adarsh Kashyap	Male	Mechanical Engineering
144	2022	2211ME27	Vishal Antil	Male	Mechanical Engineering
145	2022	2211ME28	Pratik Raj	Male	Mechanical Engineering
146	2022	2211ME30	Aditya Kumar	Male	Mechanical Engineering
147	2022	2211ME31	Shyam Prakash Raut	Male	Mechanical Engineering
148	2022	2211ME33	Prashant Raj	Male	Mechanical Engineering
149	2022	2211ME35	Sunil Kumar Sonkar	Male	Mechanical Engineering
150	2022	2211MM01	Aman Raj	Male	M.Tech. Material Science and Engineering
151	2022	2211MM02	Anupam Rai	Male	M.Tech. Material Science and Engineering
152	2022	2211MM03	Avinash Kant Kaushal	Male	M.Tech. Material Science and Engineering
153	2022	2211MM04	Bhartendu Kumar	Male	M.Tech. Material Science and Engineering
154	2022	2211MM05	Ethena Sarkar	Female	M.Tech. Material Science and Engineering
155	2022	2211MM06	Gaurav Mishra	Male	M.Tech. Material Science and Engineering
156	2022	2211MM07	Harshit Raj	Male	M.Tech. Material Science and Engineering
157	2022	2211MM08	Hemant Kumar	Male	M.Tech. Material Science and Engineering
158	2022	2211MM09	Kumar Shubham	Male	M.Tech. Material Science and Engineering
159	2022	2211MM13	Shreya Mathur	Female	M.Tech. Material Science and Engineering
160	2022	2211MM14	Shreya Pal	Female	M.Tech. Material Science and Engineering
161	2022	2211MM15	Sourav Kundu	Male	M.Tech. Material Science and Engineering
162	2022	2211MM17	Anurag Kumar	Male	M.Tech. Material Science and Engineering
163	2022	2211MT01	Aditya Anil Savaji	Male	M.Tech. Mechatronics
164	2022	2211MT02	Aditya Jaiswal	Male	M.Tech. Mechatronics
165	2022	2211MT06	Laxman Kumar	Male	M.Tech. Mechatronics
166	2022	2211MT08	Mamkesh Kumar Gautam	Male	M.Tech. Mechatronics
167	2022	2211MT09	Manish	Male	M.Tech. Mechatronics
168	2022	2211MT11	Naganath T	Male	M.Tech. Mechatronics
169	2022	2211MT12	Purusottam Pradhan	Male	M.Tech. Mechatronics
170	2022	2211MT13	Pushpendra Kumar Pal	Male	M.Tech. Mechatronics
171	2022	2211MT17	Kodidasu Purna Rama Sai Usha Pranav	Male	M.Tech. Mechatronics
172	2022	2211MT18	Priyanshu Kumar	Male	M.Tech. Mechatronics
173	2022	2211MT19	Abhishek Kumar Mishra	Male	M.Tech. Mechatronics
174	2022	2211MT20	Nandini Rani	Female	M.Tech. Mechatronics
175	2022	2211MT22	Shashidhar S Motebennur	Male	M.Tech. Mechatronics
176	2022	2211MT23	Kundan Saha	Male	M.Tech. Mechatronics

8.3 (A) Admission to Postgraduate Students (M.Sc.)

Admission to M.Sc. Courses at IIT Patna were made through JAM score in June/July, 2022. A department wise and category wise breakup of the students admitted to IIT Patna for the academic session 2022-23 is given below:

Students admitted in M.Sc. in 2023-24 in IIT Patna:

Course/Specialization	Category						Grand Total
	EWS	GEN	GEN-PwD	OBC	SC	ST	
Chemistry	5	8	1	10	4	2	30
Mathematics	3	8		11	4	2	28
Physics	3	14	1	8	4	1	31
Grand Total	11	30	2	29	12	5	89

8.3 (B) Branch-wise list of students who enrolled for M.Sc. at IIT Patna for the academic session 2022-23 is given below:

(I) CHEMISTRY:

Sl No	Roll No.	Dept	Name	Gender
1	2312CH02	Chemistry	AHWAN KUMAR MOHANTY	Male
2	2312CH03	CHEMISTRY	AMAN KUMAR GUPTA	Male
3	2312CH04	CHEMISTRY	AMANDEEP SINGH	Male
4	2312CH05	CHEMISTRY	ANIKET SHARMA	Male
5	2312CH06	CHEMISTRY	ANKIT KUMAR	Male
6	2312CH07	CHEMISTRY	ASHA MAHATO	Female
7	2312CH08	CHEMISTRY	ASHISH DEV PANDEY	Male
8	2312CH09	CHEMISTRY	BAISHAKHEE PRADHAN	Female
9	2312CH11	CHEMISTRY	DILIP KUMAR SHARMA	Male
10	2312CH13	CHEMISTRY	JITENDRA MANGAL	Male
11	2312CH15	CHEMISTRY	KEERTHANA RAMESH M	Female
12	2312CH19	CHEMISTRY	NIKHIL MAURYA	Male
13	2312CH20	CHEMISTRY	PRACHI DILWALIA	Female
14	2312CH21	CHEMISTRY	PRANAV SHARMA	Male
15	2312CH22	CHEMISTRY	RAJIB JANA	Male
16	2312CH23	CHEMISTRY	RASHMI MEENA	Female
17	2312CH24	CHEMISTRY	RASHMITHA B.M	Female
18	2312CH25	CHEMISTRY	RUBI MONDAL	Female
19	2312CH28	CHEMISTRY	VAIBHAV SHARMA	Male
20	2312CH29	CHEMISTRY	VAISHNAVI VARSHNEY	Female
21	2312CH30	CHEMISTRY	ZULIKHA JABEEN	Female
22	2312CH31	CHEMISTRY	AJMATUN NESHA	Female
23	2312CH32	CHEMISTRY	AMIT	Male
24	2312CH33	CHEMISTRY	ARJUN SINGH	Male
25	2312CH34	CHEMISTRY	ASHISH KUMAR GIRI	Male
26	2312CH35	CHEMISTRY	RAHUL KATHURIA	Male
27	2312CH36	CHEMISTRY	RAVI RANJAN KUMAR	Male
28	2312CH37	CHEMISTRY	SANA SAMREEN	Female
29	2312CH38	CHEMISTRY	SAHIL KUMAR NAGRA	Male
30	2312CH39	CHEMISTRY	SUDHANSHU KUMAR	Male

(II) MATHEMATICS:

Sl No	Roll No.	Dept	Name	Gender
1	2312MA01	MATHEMATICS	ADITYA KUMAR GUPTA	MALE
2	2312MA02	MATHEMATICS	DEVANG YADAV	MALE
3	2312MA05	MATHEMATICS	HARSHIT SINGH	MALE
4	2312MA07	MATHEMATICS	MOHAMED MUBBASHIR JOHN	MALE
5	2312MA08	MATHEMATICS	NAYAN SRIVASTAVA	FEMALE
6	2312MA09	MATHEMATICS	NEHA MEHRA	FEMALE
7	2312MA13	MATHEMATICS	PULKIT	MALE
8	2312MA17	MATHEMATICS	RIYA SINGH RAWAT	FEMALE
9	2312MA20	MATHEMATICS	SACHIN SAHU	MALE
10	2312MA21	MATHEMATICS	SANDEEP KUMAR RAM	MALE
11	2312MA23	MATHEMATICS	SAYAN GHOSH	MALE
12	2312MA24	MATHEMATICS	SONAM TAMANG	MALE
13	2312MA26	MATHEMATICS	SOUVIK SAHA	MALE
14	2312MA29	MATHEMATICS	UTKARSH DHANWANI	MALE
15	2312MA30	MATHEMATICS	YASH KUMAR	MALE
16	2312MA33	MATHEMATICS	ABHISHEK KUMAR GUPTA	MALE
17	2312MA34	MATHEMATICS	BITTU KUMAR	MALE
18	2312MA35	MATHEMATICS	KAJAL PATEL	FEMALE
19	2312MA37	MATHEMATICS	KM CHANDANI KUMARI	FEMALE
20	2312MA38	MATHEMATICS	NEERAJ KUMAR	MALE
21	2312MA39	MATHEMATICS	NIRMAL KUMAR	MALE
22	2312MA40	MATHEMATICS	REHAN FAZAL	MALE
23	2312MA41	MATHEMATICS	RITOBRA TA MUKHERJEE	MALE
24	2312MA42	MATHEMATICS	SHAURYA SINGH	MALE
25	2312MA43	MATHEMATICS	SHYAM SUNDAR GUPTA	MALE
26	2312MA44	MATHEMATICS	SONU KUMAR	MALE
27	2312MA45	MATHEMATICS	TIYAS CHAKRABORTTY	MALE
28	2312MA46	MATHEMATICS	VISHNU KUMAR SAINI	MALE

(III) PHYSICS:

Sl No	Roll No.	Dept	Name	Gender
1	2312PH01	PHYSICS	ANIKET PANDEY	MALE
2	2312PH02	PHYSICS	ANIKET RATHI	MALE
3	2312PH03	PHYSICS	ANKUR JYOTI GOGOI	FEMALE
4	2312PH04	PHYSICS	ANNU YADAV	MALE
5	2312PH06	PHYSICS	AYAN MANDAL	MALE
6	2312PH08	PHYSICS	BURHAN SHABIR	MALE
7	2312PH09	PHYSICS	DEVENDRA KUMAR KANWAR	MALE
8	2312PH10	PHYSICS	DHRUPAD DEKA	MALE
9	2312PH11	PHYSICS	DIPANKAR MANDAL	FEMALE
10	2312PH12	PHYSICS	HARISH	MALE
11	2312PH14	PHYSICS	HARSIMRAN KAUR	MALE
12	2312PH16	PHYSICS	MD AYAN NAWAZ	MALE
13	2312PH17	PHYSICS	MOHD FAIZ KHAN	MALE
14	2312PH18	PHYSICS	MOHIT KUMAR	FEMALE
15	2312PH19	PHYSICS	PRIYA SHARMA	MALE
16	2312PH20	PHYSICS	RAFIK AMIN	FEMALE
17	2312PH21	PHYSICS	RAHUL KUMAR	FEMALE
18	2312PH22	PHYSICS	RUPAK DAS	FEMALE
19	2312PH23	PHYSICS	SACHIN GREWAL	MALE
20	2312PH24	PHYSICS	SASHANK KUMAR PANDEY	MALE
21	2312PH26	PHYSICS	SHRIYA SHUKLA	MALE

Sl No	Roll No.	Dept	Name	Gender
22	2312PH27	PHYSICS	SHUBHAM PAL	FEMALE
23	2312PH28	PHYSICS	SOUMYA SANTRA	MALE
24	2312PH29	PHYSICS	SRIJAN CHATTERJEE	MALE
25	2312PH30	PHYSICS	TAPAN KUMAR MALIK	MALE
26	2312PH31	PHYSICS	JUWAYRIA HASSAN ISSA	MALE
27	2312PH32	PHYSICS	INDRAJIT HALDER	MALE
28	2312PH33	PHYSICS	NIHARIKA VERMA	FEMALE
29	2312PH34	PHYSICS	PALAK	MALE
30	2312PH35	PHYSICS	PRIYANKA CHOUDHARY	MALE
31	2312PH37	PHYSICS	RAM KISHOR KUMAR	MALE

8.3 (C) M.Sc. Onroll status for the academic year 2023-24

Batch	GEN	EWS	OBC	SC	ST	PD	Grand Total
2022	32	10	24	13	4		83
2023	30	11	28	12	5	1	87
Grand Total	62	21	52	25	9	1	170

8.3 (D) Following table shows the summary of the results of the Post graduate students (M.Sc.) at IIT Patna in the FY2023-24 (up to end semester examination Dec, 2023):

Year		Mathematics	Physics	Chemistry	All Dept.
1 st Year	Total	27	30	30	87
	Pass	26	29	30	85
	Fail/Incomplete	01	01	0	02
2 nd Year	Total	29	28	26	83
	Pass	28	27	24	79
	Fail/Incomplete	01	01	02	04
On leave /Not registered					
Grand Total		56	58	56	170

8.4 (A) List of Research Scholars Enrolled for the PhD Degree

The table below represents the number of research scholars in various departments as on 30.05.2024

Year of Admission	Schools									School of Humanities and Social Sciences	Total
	School of Engineering						School of Basic Sciences				
	Cbe	Cee	Cse	Ee	Me	Mme	Che	Ma	Phy	Hss	
2014-15	0	1	0	1	3	0	0	1	0	0	6
2015-16	0	0	3	1	1	2	0	0	1	0	8
2016-17	1	3	4	5	10	0	1	0	3	4	31
2017-18	2	3	5	9	9	0	1	5	5	7	46
2018-19	3	7	21	13	15	4	11	4	15	13	106
2019-20	2	7	23	15	8	4	8	8	9	8	92
2020-21	9	22	33	22	24	8	9	17	16	11	171
2021-22	5	8	19	25	16	7	8	11	16	14	129
2022-23	4	17	16	21	12	7	7	8	8	9	109
2023-24	4	13	12	12	10	7	4	10	12	5	89
Total	30	81	136	124	108	39	49	64	85	71	787

8.4 (B) List of Research Scholars Enrolled in Academic Year 2023-24

Sl. No.	Name of Student	Roll No.
1	Alok Mahyar Sharan Sriwastava	2321CB03
2	Shreya Srivastava	2321CB04
3	Ritu Kumari	2321CB05
4	Pratik Punj	2421CB02
5	Joydeep Ray	2321CH04
6	Vidushi Bajpai	2321CH05
7	Ayush Kumar	2321CH06
8	Sharmin Afroz	2321CH07
9	Md Anisur Rahman	2321CE10
10	Sidharth Jain	2321CE11
11	Md Shayan Sabri	2321CE12
12	Ambar Kumar Mishra	2321CE13
13	Nenshol Jayant Anand	2321CE14
14	Amit Jaiswal	2321CE19
15	Anand Singh	2321CE20
16	Sanjay Singh	2421CE02
17	Aditya Prakash	2421CE03
18	Manoj Kumar	2421CE04
19	Chanchal Kumari	2421CE05
20	Deepak Kumar Singh	2421CE07
21	Anjali Singh	2421CE08
22	Anil Verma	2321CS11
23	Baban Gain	2321CS12
24	Deepak Prakash	2321CS13
25	Dibyanayan Bandyopadhyay	2321CS14
26	Shailendra Kumar Verma	2321CS15
27	Sofia Jamil	2321CS16
28	Shubham Kumar	2321CS18
29	Aakash Ghosh	2321CS19
30	Prince Kumar	2321CS21
31	Chanda Rani	2421CS02
32	Rupesh Kumar Sah	2421CS03
33	Yasir Fahim	2421CS04
34	Sumit Ranjan Kumar	2321EE10
35	Prity Sinha	2321EE11
36	Ashish Kumar	2421EE02
37	Piyush Rai	2421EE03
38	Gaurav Sharma	2421EE04
39	Gulshan Kumar	2421EE05
40	Tanveer Alam Khan	2421EE06
41	Rakesh Kumar	2421EE07
42	Pawan Kumar Ray	2421EE08
43	Ajay Kumar	2421EE09
44	Sahendara Kumar	2421EE10

Sl. No.	Name of Student	Roll No.
45	Manish Kumar	2421EE11
46	Dinesh Rai	2421HS02
47	Smriti Kumari	2421HS03
48	Smriti Maurya	2421HS04
49	Avnish Kumar	2421HS05
50	Snigdha Singh	2421HS07
51	Dilip Sarkar	2321MA07
52	Kundan Suxena	2321MA08
53	Shubham Kumar Singh	2321MA09
54	Biplab Dawn	2321MA10
55	Lovepreet Singh	2321MA12
56	Rahaman Ali	2421MA02
57	Bidyadhar Sahu	2421MA03
58	Vinay Patel	2421MA05
59	Husna Moab	2421MA07
60	Ram Sagar	2421MA08
61	Amit Kumar	2321ME16
62	Prashant Kumar	2321ME17
63	Vikash Kumar	2321ME19
64	Ratnesh Gautam	2321ME21
65	Pranaw Parihar	2321ME24
66	Mohammed Qadeer	2321ME25
67	Anup Kumar	2421ME01
68	Prince Kumar	2421ME05
69	Shantmanu	2421ME07
70	Niranjana Kumar	2421ME08
71	Sivakumar Karuppasamy	2321MM05
72	Chintham Satish	2321MM07
73	Ishee Prasad Kar	2321MM08
74	Santosh Kumar	2321MM09
75	Aarti Kumari	2421MM02
76	Ajit Bhalchandra Payer	2421MM04
77	Amrita Kumari	2421MM06
78	Naincy Shrivastava	2321PH07
79	Pritam Samanta	2321PH09
80	Reetu Saini	2321PH10
81	Richa Bharti	2321PH11
82	Soubhik Mukherjee	2321PH13
83	Neha Choudhary	2321PH14
84	Rabi Das	2321PH15
85	Rohit Kumar	2321PH16
86	Shruti Sarswat	2321PH19
87	Anjali Verma	2421PH01
88	Himanshu Kumar	2421PH03
89	Md Saif	2421PH04

8.5 New Program (Academic)

Undergraduate 4 year B.Tech./BS:

1. B.Tech. in Chemical Engineering,
2. B.Tech. in Chemical Science and Technology.
3. B.Tech. in Civil Engineering
4. B.Tech. in Computer Science and Engineering.
5. B.Tech. in Electronics and Communication Engineering.
6. B. Tech in Engineering Physics.
7. B.Tech. in Mathematics and Computing.
8. B.Tech. in Mechanical Engineering,
9. B.Tech. in Metallurgical and Materials Engineering.
10. B.Tech. in Electrical and Electronics Engineering.
11. B.Tech. in Artificial Intelligence and Data Science.
12. BS Economics (From AY 2024-25 onwards)

5 year Dual degree (B.Tech. - M.Tech.)

1. B. Tech. in Electronics and Communication Engineering - M.Tech. in Communication Systems
2. B. Tech. in Civil Engineering. - M. Tech. in Geotechnical Engineering.
3. B. Tech. in Civil Engineering. - M. Tech. in Structural Engineering
4. B. Tech - M.Tech. in Computer Science and Engineering
5. B. Tech. in Electronics and Communication Engineering - M.Tech. in VLSI
6. B. Tech. in Electrical and Electronics Engineering - M.Tech. in Power and Control
7. B. Tech. - M. Tech. in Mathematics and Computing
8. B. Tech. in Mechanical Engineering - M. Tech. in Mechatronics

5 year Dual degree (B.Tech./BS - MBA)

1. B.Tech. in Mechanical Engineering, IIT Patna - MBA (IIM, Mumbai)
2. B.Tech. in Chemical Engineering, IIT Patna - MBA in Hospital and Healthcare Management (IIM, Bodh Gaya) (From AY 2024-25 onwards)
3. B.Tech. in Chemical Science and Technology, IIT Patna - MBA in Hospital & Healthcare Management (IIM, Bodh Gaya) (From AY 2024-25 onwards)
4. B.Tech. in Civil Engineering, IIT Patna - MBA (IIM, Bodh Gaya) (From AY 2024-25 onwards)

5. B.Tech. in Computer Science and Engineering, IIT Patna - MBA in Digital Business Management (IIM, Bodh Gaya) (From AY 2024-25 onwards)
6. B.Tech. in Electronics and Communication Engineering, IIT Patna - MBA in Hospital and Healthcare Management (IIM, Bodh Gaya) (From AY 2024-25 onwards)
7. B.Tech. in Engineering Physics, IIT Patna - MBA (IIM, Bodh Gaya) (From AY 2024-25 onwards)
8. B.Tech. in Mathematics and Computing, IIT Patna - MBA in Digital Business Management (IIM, Bodh Gaya) (From AY 2024-25 onwards)
9. B.Tech. in Metallurgical and Materials Engineering, IIT Patna - MBA (IIM, Bodh Gaya) (From AY 2024-25 onwards)
10. B.Tech. in Electrical and Electronics Engineering, IIT Patna - MBA (IIM, Bodh Gaya) (From AY 2024-25 onwards)
11. B.Tech. in Artificial Intelligence and Data Science, IIT Patna - MBA in Digital Business Management (IIM, Bodh Gaya) (From AY 2024-25 onwards)
12. BS in Economics, IIT Patna - MBA (IIM, Bodh Gaya) (From AY 2024-25 onwards)

2 year M.Tech. Program:

1. M.Tech. in Computer Science & Engineering
2. M.Tech. in Artificial Intelligence
3. M.Tech. in Mathematics & Computing
4. M.Tech. in Materials Science & Engineering
5. M.Tech. in Communication System Engineering & Signal Processing
6. M.Tech. in Power and Control
7. M.Tech. in VLSI & Embedded System
8. M.Tech. in Civil Engineering
9. M.Tech. in Structural Engineering
10. M.Tech. in Geotechnical Engineering
11. M.Tech. in Thermal & Fluids Engineering
12. M.Tech. in Mechanical Design
13. M.Tech. in Advanced Manufacturing Technology
14. M.Tech. in Mechatronics
15. M.Tech. in Chemical Engineering

2 year M.Sc. Program:

1. M.Sc. in Chemistry
2. M.Sc. in Mathematics
3. M.Sc. in Physics

Ph.D. Program:

1. Chemical & Biochemical Engineering
2. Civil & Environmental Engineering
3. Chemistry

4. Computer Science & Engineering
5. Electrical Engineering
6. Humanities & Social Sciences
7. Mathematics
8. Mechanical Engineering
9. Metallurgical and Materials Engineering
10. Physics

8.6 Merit-Cum-Means (MCM) Scholarship

The Institute provided MCM scholarships as per the following details:

Academic Year	MCM Data	
	General + OBC + EWS	SC+ST
2020-2021	59	8
2021-2022	79	12
2022-2023	92	29
2023-2024	71	24

The following students were selected for the award of the Merit-Cum-Means (MCM) scholarship in the academic year 2023-24 by the Institute:

Sl. No.	Name of Student	Roll No.	Sl. No.	Name of Student	Roll No.
1.	Ammar Ahmad	2201AI04	21.	Ratan Priya	2201CE51
2.	Divyanshu Gupta	2201AI10	22.	Roshan Mahto	2201CE53
3.	Hari Om Kumar	2201AI12	23.	Sanu Anand	2201CE57
4.	Indra Narayana Krishna Teja Kuchimanchi	2201AI21	24.	Sumit Suhan	2201CE62
5.	Metla.umes Chandra	2201AI24	25.	Aditya Boudh	2201CS06
6.	Nirjay Kumar	2201AI26	26.	Animesh Tripathy	2201CS16
7.	Rishabh Verma	2201AI32	27.	Hrishikesh Choudhary	2201CS31
8.	Swathi Keerthana Muda	2201AI38	28.	Md Adil Ansari	2201CS46
9.	Goduguluri Venkata Haswanthi	2201AI43	29.	Nagesh Desai	2201CS50
10.	Aakash Lal	2201CB01	30.	Ranjan Kumar	2201CS59
11.	Mojammil Warsi	2201CB34	31.	Sahil Kumar	2201CS60
12.	Shakshi Yadav	2201CB55	32.	Sonalika Chandra	2201CS68
13.	Shubhankar Ray	2201CB59	33.	Ujjawal Sinha	2201CS73
14.	Sumant Kumar Priyavart	2201CB61	34.	Vikram Balai	2201CS76
15.	Vipin Kumar	2201CB65	35.	Ravina	2201CS81
16.	Divyam Walia	2201CE16	36.	Bhavik Netam	2201CS84
17.	Harsh Srivastav	2201CE19	37.	Siddharth Srivastava	2201CS86
18.	Janvi Kumari	2201CE24	38.	Uday Shrotriya	2201CS87
19.	Khushboo Kumari	2201CE25	39.	Parv Dineshbhai Gandhethariya	2201CS91
20.	Md Zeeshan Hassan	2201CE32	40.	Akula Girish Sai Krishna	2201EE06
			41.	Alok Purbey	2201EE07

Sl. No.	Name of Student	Roll No.
42.	Anubhav Rai	2201EE11
43.	Harsh Raj	2201EE28
44.	Manish Kumar	2201EE37
45.	Rahul Kumar	2201EE47
46.	Rittik Sharma	2201EE51
47.	Robins Kumar	2201EE52
48.	Rupesh Kumar	2201EE53
49.	Sanjana Kumari	2201EE59
50.	Shiva Singh	2201EE67
51.	Muskan Sohani	2201EE84
52.	Pranesh Priyanshu	2201EE85
53.	Devansh Srivastava	2201EE86
54.	Chetan Sharma	2201EE90
55.	Shyam	2201EE91
56.	Harsh Maliya	2201EE99
57.	Abhijeet Kumar	2201MC02
58.	Abhishek Jaiswal	2201MC03
59.	Arpit Singh	2201MC05
60.	Deepak Kishore	2201MC14
61.	Devankar Raj	2201MC15
62.	Harshit Singhal	2201MC18
63.	Jenil Rameshbhai Savaj	2201MC20
64.	Rituparan Singh Parihar	2201MC32
65.	Roshan Kumar Verma	2201MC34
66.	Bhumika Chauhan	2201MC51
67.	Utkarsh Arya	2201MC55
68.	Aayush Nagrale	2201ME01
69.	Arya Kumari	2201ME15
70.	Harsh Raj	2201ME32
71.	Pushpendra Pal Singh Panwar	2201ME49
72.	Rahul Raut	2201ME51
73.	Rishabha Shivhare	2201ME52
74.	Rishi	2201ME53
75.	Ritesh Kumar	2201ME54
76.	Sabnoor Fatima	2201ME55
77.	Shah Mohammad	2201ME60
78.	Shashank Singh	2201ME61
79.	Shuchi Saxena	2201ME65
80.	Swastik Vishwakarma	2201ME72
81.	Himanshu	2201ME81
82.	Susmita Roy	2201ME84
83.	Kashiya Rutvikbhai Madhubhai	2201MM13

Sl. No.	Name of Student	Roll No.
84.	Nishant Kumar	2201MM23
85.	Subham Prasad Gouda	2201MM29
86.	Suraj Kumar	2201MM30
87.	Telukula Revanth Sahu	2201MM34
88.	Raunak Bansod	2201MM39
89.	Chanchal Tolani	2201PH09
90.	Gourav Kumar Jha	2201PH11
91.	Harsh Joshi	2201PH13
92.	Satyam Shandilya	2201PH24
93.	Sougata Saha	2201PH27
94.	Sumit Rajpoot	2201PH28
95.	Aryan Raj	2201PH32
96.	Amrit Kumar	2001CB06
97.	Anand Kumar	2001CB07
98.	Anuradha Das Group	2001CB10
99.	Ayush Chand	2001CB17
100.	Chetan Kumar	2001CB19
101.	Gude Susmitha	2001CB24
102.	Jatin Kumawat	2001CB26
103.	Jay Kumar Gupta	2001CB28
104.	Kalakoti Hemaswi	2001CB30
105.	Kawade Rohit Chandrashekhar	2001CB31
106.	Navneet Kumar Chouhan	2001CB37
107.	Puneet Sharma	2001CB41
108.	Rahul Kumar	2001CB42
109.	Rakesh Kumar Yadav	2001CB43
110.	Shahnawaz Siddique	2001CB47
111.	Sumit Kumar	2001CB55
112.	Sweta Kumari	2001CB57
113.	Abhijeet Kumar	2001CE01
114.	Ashok Bishnoi	2001CE15
115.	Harshvardhan Singh	2001CE25
116.	Hritik Singh	2001CE27
117.	Kundan Thakur	2001CE30
118.	Lakshya Agrawal	2001CE31
119.	Md Faizan Alam	2001CE34
120.	Mukul	2001CE35
121.	Niraj Kumar	2001CE36
122.	Pankaj Kumar Patel	2001CE41
123.	Raja Babu	2001CE45
124.	Rajat Jaiswal	2001CE47
125.	Sandeep Cahar	2001CE53

Sl. No.	Name of Student	Roll No.
126.	Atul Kumar	2001CS13
127.	Bhanwar Yuvraj Singh Nathawat	2001CS17
128.	Dhruvan Kadavala	2001CS24
129.	Samir Kumar	2001CS59
130.	Siyaram Kumar	2001CS71
131.	Vipul Kumar Gond	2001CS77
132.	Ashish Kumar Pandey	2001CS82
133.	Shristi Agrawal	2001CS87
134.	Aditya Ramdas Patil	2001EE03
135.	Aditya Kau	2001EE26
136.	Priya Raj	2001EE46
137.	Rahul Dhiman	2001EE49
138.	Rajan Kumar	2001EE51
139.	Sameer Kant	2001EE60
140.	Shivam Krishna	2001EE66
141.	Subhash Kumar Mehta	2001EE73
142.	Suyog Vinod Chaudhari	2001EE77
143.	Tanya Kumari	2001EE79
144.	Adarsh Pandey	2001EE84
145.	Kaushlendra Singh Rathore	2001EE90
146.	Udit Sethi	2001EE93
147.	Anil Rundla	2001ME08
148.	Wasif Ansari	2001ME09
149.	Balajee	2001ME13
150.	Chandra Prakash Sah	2001ME15
151.	Dasari Harsha Vardhan	2001ME20
152.	Pranav Raj	2001ME47
153.	Priyanka Kumari	2001ME53
154.	Pushpanjay	2001ME57
155.	Sakshi Yadav	2001ME65
156.	Shashi Ranjan Kumar	2001ME67
157.	Srujana Siripurapu	2001ME74
158.	Tarun Meruga	2001ME78
159.	Ayush Kumar	2001MM05
160.	D Saitharun	2001MM11
161.	Rohit Nayak	2001MM25
162.	Shantanu Singh	2001MM32
163.	Diksha Barnwal	2101AI14
164.	Aman Verma	2101AI37
165.	Abhay Kumar	2101CB01
166.	Abhishek Kumar	2101CB03
167.	Ajay Saini	2101CB08

Sl. No.	Name of Student	Roll No.
168.	Avinash Tyagi	2101CB16
169.	Biswajit Sudbudhi	2101CB21
170.	Karan Raj	2101CB29
171.	Kona Naga Surya Siva Sai	2101CB30
172.	Md Daud	2101CB37
173.	Pankaj Rawat	2101CB40
174.	Parshant Verma	2101CB41
175.	Pradeep Kumar	2101CB42
176.	Prasenjit Chanda	2101CB44
177.	Raunak Kumar Gupta	2101CB47
178.	Sahini Venkata Sitaram Sruti	2101CB49
179.	Sunny Kumar	2101CB57
180.	Yogesh Kumar	2101CB61
181.	Ayush Raj	2101CE14
182.	Devendra Pratap Singh Rathore	2101CE18
183.	Prakash Kumar	2101CE39
184.	Raj Kamal	2101CE45
185.	Shashikant Kumar	2101CE50
186.	Achhada Hiren Rajkumar	2101CS03
187.	Adithya Ravi Rathod	2101CS04
188.	Anuj Sharma	2101CS11
189.	Hariomkant Sharma	2101CS31
190.	Jasmine Shrivastava	2101CS33
191.	Mamta Kanwar	2101CS42
192.	Niraj	2101CS51
193.	Nityanand Kumar	2101CS54
194.	Pradeep	2101CS59
195.	Prince Kumar	2101CS62
196.	Raman Bansal	2101CS64
197.	Rayudu Vivek	2101CS65
198.	Satyam Kumar	2101CS72
199.	Vikash Kumar Verma	2101CS82
200.	Akash Kumar	2101EE06
201.	Arjun Singh	2101EE14
202.	Gadde Jeevan Kumar	2101EE28
203.	Gaurang Bansal	2101EE29
204.	Gaurav Kumar	2101EE30
205.	Gaurav Singh	2101EE32
206.	Manohar Reddy Gujjula	2101EE33
207.	K.ram Shashank Reddy	2101EE40
208.	Nikhil Kumar Jaiswal	2101EE46
209.	Pritam Raj	2101EE56

Sl. No.	Name of Student	Roll No.
210.	Rahul Kumar	2101EE58
211.	Sandhya Rani	2101EE62
212.	Shailendra Mishra	2101EE65
213.	Udita Das	2101EE77
214.	Usakoyala Ram Prasad	2101EE78
215.	Avnish Aryan	2101EE85
216.	Manish Singh Chauhan	2101EE91
217.	Anurag Das Group	2101EE97
218.	Sonali	2101EE98
219.	Aniket Jaiswal	2101MC04
220.	Arka Dutta	2101MC08
221.	Devesh Kumar Pandey	2101MC16
222.	Kotla Sai Charan	2101MC27
223.	Kunal Jha	2101MC28
224.	Mohd Darish Khan	2101MC29
225.	Aishwarya Panuganti	2101MC30
226.	Prakash Kumar Jha	2101MC31
227.	Prakhar Gupta	2101MC32
228.	Vijay Kumar	2101MC47
229.	Pulkit Bansal	2101MC48
230.	Ajay	2101ME06
231.	Anupunj Alok	2101ME11
232.	Gaurav Singh	2101ME23
233.	Mahiba Aftab	2101ME38
234.	Melvin Yesudas George	2101ME40
235.	Sahil	2101ME58
236.	Shivam Kumar	2101ME62
237.	Shivani	2101ME64
238.	Shubhashani Shekhar	2101ME65
239.	Sibi T	2101ME67
240.	Vishnu Sivasankar	2101ME80
241.	Aditya Tomar	2101MM02
242.	Mohit Kumar	2101MM11
243.	Pratyush Manas	2101MM17
244.	Satyam Goyal	2101MM27
245.	Aman Kumar	2101PH05
246.	Amar Kumar	2101PH06
247.	Aniket Raj	2101PH08
248.	Ayesha Khan	2101PH12
249.	Kanishka Singh Solanki	2101PH17
250.	Meesala Mahesh	2101PH19
251.	Nitish Kumar	2101PH22

Sl. No.	Name of Student	Roll No.
252.	Sanjana Kumari	2101PH29
253.	Sagar Das	2101CS68
254.	Soumik Karmakar	2212PH26
255.	Sankar Sau	2212CH37
256.	Nayan Dey	2212CH12
257.	Binayak Rout	2212PH10
258.	Subhankar Dhara	2212MA25
259.	Shruti Srivastava	2212CH32
260.	Imran Hossain	2212MA11
261.	Vijendra Kumar Tripathi	2212PH30
262.	Anit Ranjan Roy	2212PH04
263.	Vartika Maurya	2212MA30
264.	Kajal Kumari	2212PH34
265.	Chappidi Vijayachandradeddy	2212MA08
266.	Pinky Sharma	2212CH13
267.	Mahesh Kumar Yadav	2212MA14
268.	Lata Karan	2212MA13
269.	Susmita Debnath	2212MA28
270.	Kaustab Bharasa	2212PH32
271.	Abritti Das	2212CH01
272.	Aman Kumar	2212PH02
273.	Manas Ranjan Malik	2212PH35
274.	Sushmita Halder	2212MA27
275.	Ankush Kumar Kataria	2212MA03
276.	Sabuj Bairagi	2212PH31
277.	Sinrel Wanbe Koirang	2212PH25
278.	Pramod Kumar	2212CH38
279.	Bhaswati Bhunia	2212MA06
280.	Uday Srivastava	2301AI32
281.	Anurag Prasad	2301CB07
282.	Ashwani Kumar	2301CB09
283.	Sarthak Shukla	2301CB41
284.	Mayank Singh	2301CB54
285.	Aditya Gupta	2301CB60
286.	Isha Shah	2301CE13
287.	Saurabh Sankhla	2301CE24
288.	Saurabh Kumar	2301CE62
289.	Ankesh Kumar	2301CS06
290.	Krishan Kumawat	2301CS25
291.	Manuj Kumar Grover	2301CS28
292.	Saniya Prakash	2301CS49
293.	Prateek Gupta	2301CS66

Sl. No.	Name of Student	Roll No.
294.	Shiwani Shrivastava	2301CS67
295.	Abhisek Jena	2301CT02
296.	Rakesh Hembram	2301CT16
297.	Devanshu Kumar	2301CT22
298.	Ansh Gupta	2301CT25
299.	Divyansh Maurya	2301CT27
300.	Ankit Kumar	2301EC05
301.	Naitik	2301EC15
302.	Nagulwad Sameeksha Madhav	2301EC23
303.	Bhatt Smit Hiteshbhai	2301EC29
304.	Sonali Kumari	2301EC31
305.	Kushal Kesharwani	2301EC43
306.	Sahil Pratap Singh	2301EC45
307.	Soumyakanta Panda	2301EC46
308.	Abhinandan Pandey	2301EE02
309.	Raqeeb Ansari	2301EE21
310.	Rohit Gupta	2301EE22
311.	Shubham Madheshiya	2301EE26
312.	Suruchi Raj	2301EE28
313.	Arya Prakash	2301EE30
314.	Tejas Raju Panzade	2301EE34
315.	Gopu Praneeth Sagar	2301EE35
316.	Manu Kushwah	2301EE46
317.	Kommu Hari Kishan	2301MC12
318.	Rajit Anand	2301MC22
319.	Siddhartha Reddy Pajjur	2301MC36
320.	Anish Kumar	2301MC40
321.	Pravesh Tiwari	2301MC41
322.	Aditya Onam	2301ME03
323.	Anshika Moundekar	2301ME09
324.	Chandan Seth	2301ME14
325.	Harsh Raj	2301ME19
326.	Lalit Thakur	2301ME27
327.	Mayank Singh	2301ME30
328.	Piyush Jatoliya	2301ME37
329.	Tanish Chordiya	2301ME49
330.	Lalit Sen	2301ME67
331.	Abhinay Maurya	2301MM02
332.	Ajay Kumar Saini	2301MM03
333.	Bharat Kumar	2301MM06
334.	Rishabh Singh	2301MM13

Sl. No.	Name of Student	Roll No.
335.	R.dhivyesh	2301MM22
336.	Kshitij Prakash	2301MM23
337.	Sagar Kumar	2301MM28
338.	Anshul Verma	2301MM37
339.	Ratandeep Prasad	2301PH14
340.	Utpal Raj Ambastha	2301PH24
341.	Aakarsh Sinha	2301PH26
342.	Nikhil Pratap Singh	2301PH30
343.	Ansh Prem	2302CS01
344.	Saurabh Kumar	2302GT03
345.	Priyam Mishra	2302GT07
346.	Sunny Kumar	2302MC09
347.	Anil Kantam	2302MT08
348.	Shashank Deep	2302PC04
349.	Subodh Vidyaman Lihitkar	2302PC08
350.	Suryash Raj	2303ME10
351.	Pranav Sharma	2312CH21
352.	Yash Kumar	2312MA30
353.	Priya Sharma	2312PH19
354.	Baishakhee Pradhan	2312CH09
355.	Mohit Kumar	2312PH18
356.	Sachin Sahu	2312MA20
357.	Tiyas Chakraborty	2312MA45
358.	Ankit Kumar	2312CH06
359.	Dipankar Mandal	2312PH11
360.	Annu Yadav	2312PH04
361.	Aman Kumar Gupta	2312CH03
362.	Aniket Rathi	2312PH02
363.	Shubham Pal	2312PH27
364.	Sashank Kumar Pandey	2312PH24
365.	Utkarsh Dhanwani	2312MA29
366.	Asha Mahato	2312CH07
367.	Sana Samreen	2312CH37
368.	Harshit Singh	2312MA05
369.	Rupak Das	2312PH22
370.	Devendra Kumar	2312PH09
371.	Sandeep Kumar Ram	2312MA21
372.	Km Chandani Kumari	2312MA37
373.	Soumya Santra	2312PH28
374.	Neha Mehra	2312MA09

Infrastructure Development at IIT Patna

I). The new Infrastructure under phase-II has been completed and dedicated to the Nation after inauguration by Hon'ble Prime Minister of India on 20.02.2024. The brief details of various buildings are as follows:-



Central Library: A beautiful attractive four stored modern and smart central library building of built up area of 9857 Sqmt. This is constructed with all modern specification to in-house all forms of soft, hard and online learning resources along with sitting space with learning ambience.



Auditorium: A splendid Auditorium is another facility constructed to host various Technological, educational, cultural and fun events for holistic development of students. It has 1000 sitting capacity and 5300 sqmt of built up area with all cutting edge technology for effective lighting, sound reverence, energy efficient fittings and comfortable and durable furniture and fixtures



Central Lecture Hall Academic Buildings and workshops:

An integrated and smart central lecture hall with two numbers of separate academic buildings and workshops with total area of 6140 sqmt of built up area have been constructed for expansion of research facilities, commissioning sophisticated equipment, arranging important lectures and tutorials from all over the world through online and offline mode.



Students Activity Center:

A Students Activity center of 3338 Sqmt built up area has been constructed to the use of students for innovations and various non curriculum activities of student such as Robotics, Mechatronics, Drone operations, Art and culture, Anwasha, Technical fest etc.,



Hostels: Various Students Hostel of 3,77,870 Square feet area with modern, energy efficient, comfortable single bed rooms Boys hostel of 940 students, two bed Girls Hostel for 228 students and a married accommodation for 36 married research scholars have been constructed for providing accommodation to increased intake strength of students.

Quarters: A type (27 units), B type (36 units), C type (56 units) and D type (48 units) quarters of total area of 2, 32, 340 square feet have also been constructed for accommodation of families of 167 staff and faculty of IIT Patna.



II) In view of urgent need of hostel, construction of two wings of boy's hostel along with a mess for estimated cost of Rs. 58.00 crore has been taken up through internal resources. The work has been entrusted to Bridge & Roof India Ltd.

III) All the phase I Academic, administrative and residential blocks are renovated both externally and internally. Further the roads of IIT Patna have been repaired with one layer of coating and signage and marking have been provided as well.

The construction of the CEED & CELS building is nearing completion, further enriching our research and innovation ecosystem. Additionally, the KV School constructed by IWD is functional.

Furthermore, I am pleased to inform that our efforts towards sustainability have been recognized with a GRIHA Green building rating of -3 star for Phase-1 buildings. This underscores our commitment to environmental responsibility and energy efficiency. Notably, the

installation of a 1MWp Rooftop Solar Power Plant is a significant step towards reducing our carbon footprint, with plans underway for further expansion in this regard.

As we look towards the future, Phase-3 of our infrastructure development is already underway, with a focus on enhancing our academic and research capabilities. A new Academic Block, Central Research Facility, and CET Block are in progress, alongside accommodations for our growing student population, including a boy's hostel for 1000 students, girl's hostel for 224 students and an International Hostel. DPR has been prepared and approval of fund is under progress. Two blocks of hostel having capacity to accommodate more than 1000 students along with mess are being constructed from IRG of Institute which is great achievement. The budget of swimming pool is also approved and process of execution is under progress. These developments align with our vision of fostering a globally competitive learning environment that nurtures talent and fosters innovation.

Notes

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