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| **Date of Booking** |  | |
| **Name:** | **Email id:** | **Phone No:** |
| **Name and Signature of Supervisor:** |  | |

**Department of Materials Science and Engineering**

**Indian Institute of Technology Patna**

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| **Equipment to be Used** | **No of Hours/**  **Samples/**  **Runs** | **Sample Details (Hazardous/solid/powder/**  **Liquid/Magnetic/Volatile** | **Experimental Parameters and Data Requested** |
| Dynamic mechanical analyzer (DMA) |  |  |  |
| Modular compact rheometer (MCR) |  |  |  |
| Universal testing machine (UTM) |  |  |  |
| Injection molding machine |  |  |  |
| Compression molding machine |  |  |  |
| Haake internal mixer |  |  |  |
| Two roll mixing mill |  |  |  |
| Moving die rheometer |  |  |  |
| Chember Furnace (up to 1100°C) |  |  |  |
| Tube Furnace (up to 1400°C) |  |  |  |
| Muffle Furnace (up to 1600°C) |  |  |  |
| Heating oven (up to 300°C) |  |  |  |
| Millipore water |  |  |  |
| JCPDS database software |  |  |  |
| Phase diagrams database software |  |  |  |
| One common form for the use of Fume Hood, Centrifuge and ultrasonicator |  |  |  |
| Hydraulic press for making pellets |  |  |  |
| Plasma Spraying for Coating |  |  |  |
| Chamber Furnace (Upto 1750°C) |  |  |  |
| Hardness and Scratch Tester |  |  |  |
| Optical Microscope |  |  |  |
| Potentiostat/Galvanostat |  |  |  |
| Grinding/Polishing |  |  |  |
| Ball Milling |  |  |  |
| Helium Gas Pycnometer |  |  |  |