BIT SINDRI, DHANBAD
DEPARTMENT OF
PRODUCTION AND INDUSTRIAL ENGINEERING

<u>Summer Research Internship-2024</u>

Applications are invited for the Summer Research Internship-2024 offered by the Production and Industrial Engineering Department BIT Sindri for 4 to 6 weeks duration June-July 2024. The internship will be in offline/online mode. The candidates are required to submit an application from the link given here: https://forms.gle/zy73zXa5ffdndN477

1. **Eligibility**

   Undergraduate and post Graduate students with a minimum 7.00 CGP
   Eligible branch: Production and Industrial Engineering, Mechanical Engineering, Mechatronics Engineering, Manufacturing Technology, Metallurgical and Material Engineering, other equivalent.

2. **Duration**
   The internship duration is 4 to 6 weeks, tentatively during June-July 2024. The final duration will be decided by mentors based on the candidate's summer break.

3. **Selection Criteria**

   The selection will be based on the applicant's qualifications, experience, and other academic and professional details provided in the candidate's Curriculum Vitae and telephonic interview. The applicant will get the final confirmation mail from the mentor based on the choice filled.

4. **Financial Support**
   Not available

5. **General Instructions**

- Candidates are advised to visit the Department/Centre website and Faculty profiles to see details of the prospective mentors.(https://www.bitsindri.ac.in/production-engineering/)
- The selected candidate shall receive a certificate of completion from the mentor/department.
- The candidates must select an Internship Supervisor in their relevant field of study/ course or area of interest.

Internship area/topic and mentors available

Sl. No.	Name of the Faculty Member	Area of Internship/Project title/Research topic	No. of Seats	Prerequisite if any
1	**Prof. Prakash Kumar**	Equipment Maintenance Supply Chain Management Inventory management	4	Basic understanding of the related fields
2	**Dr. Sumanta Mukherjee**	Deep Learning/ Virtual Reality/ CAD/ Mechatronics/ 3D printing	5	Deep Learning: Python Virtual Reality: C++ CAD: Any CAD software + coding in any language Mechatronics: Arduino IDE 3D printing: CAD
3	**Dr. Surya Narayan Panda**	Simulation and Optimization Design Optimization Bearing Dynamics Soft computing methods using AI/ML	4	Basic MATLAB / ansys/ Catia/ NX design/ drawing skill
4.	**Dr. Manowar Hussain**	Simulation of unconventional machining processes	2	Comsol/Ansys/Matlab/Simufact
5.	**Mr. Mukesh Chandra**	AI and ML for manufacturing applications, Metal additive manufacturing, Welding: Acoustic emission processing	5	Basics of Python/MATLAB programming and Machine learning/Comsol/Ansys
6.	**Mr. Kashif H. Kazmi**	Additive Manufacturing and Characterization	4	Basic understanding of the related fields

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For any query, please contact on above contact