

Dr. ASHISH DAS

Assistant Professor Grade-I

Centre of Excellence in Product Design and Smart Manufacturing, MANIT Bhopal

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BRIEF SNAPSHOT

- ☐ **Ph.D. (Mechanical Engineering Department)** from MNNIT, Allahabad, India
- ☐ **ME (Computer Aided Design)** from CSVTU, Bhilai, C.G, India
- ☐ **BE (Mechanical Engineering)** from Pt. RSSU, Raipur, C.G, India
- ☐ Working as **Assistant Professor Grade-I** in MANIT Bhopal, M.P, India, from **23/01/2024 to Till Date**
- ☐ Worked as **Assistant Professor Grade-I** in NIT Jamshedpur, Jharkhand, India, from **22/05/2018 to 22/01/24**
- ☐ Worked as **Assistant Professor Grade-II** in KIIT University, Bhubaneswar, India, from **19/06/2017 to 16/05/18**
- ☐ Worked as **Assistant Professor** in RCET, Bhilai, C.G, India from **31/07/2008 to 17/07/2013**
- ☐ Worked on **synthesis & characterization of bioceramics coatings on metals** by **PLD, MS and LRM** for orthopedic implant applications

2017 **Ph.D. (Mechanical Engineering Department)** from MNNIT, Allahabad, India, **(6.75) CPI**

2013 **ME (Computer Aided Design)** from, CSVTU, Bhilai, C.G, **(79%) HONOURS**

2008 **BE (Mechanical Engineering)** from, Pt. RSSU, Raipur, C.G, **(71.65%)**

2004 XII from, CGBSE, Raipur, C.G, **(68.2%)**

2002 X, from, CGBSE, Raipur, C.G, **(77.6%)**

RESEARCH AREA AND TECHNICAL SKILL

- Additive Manufacturing, Surface Engineering, Coating, Laser Processing, Biomaterials, Physical Vapor Deposition (PLD, MS), Friction Stir Welding/Processing, Composite Materials, Implant Materials, Smart Manufacturing System
- Pulsed Laser Deposition system
- Magnetron Sputtering system
- Laser rapid manufacturing system
- Smart Manufacturing system
- Scanning electron microscopy
- X-ray Diffraction
- Fused Deposition Modeling system
- Fluorescence-activated cell sorting (FACS)
- Atomic force microscopy
- Ellipsometer
- Tensometer
- Vickers micro hardness tester
- In vitro bioactivity
- Friction Stir Welding
- Friction Stir Processing

THESIS SUPERVISION

1. **PhD** Thesis Supervision- (Completed-02, In progress- 05)
2. **MTech** Thesis Supervision-(Completed- 05, In progress-01)
3. **BTech** Thesis Supervision-(Completed-07, In progress-02)

CONFERENCES/WORKSHOP/FDP/EXPERT LECTURES ORGANIZED

Nature of Event: Short Term Course (FDP)

Title: Materials, Manufacturing and Modeling-Advances and Constraints (MMMAC)

Date: from 20/05/19 to 25/05/19

Organized by: Department of Production and Industrial Engg., NIT Jamshedpur

Name of Experts Participated: Prof. Uday Shankar Dixit, Prof. Amaresh Kumar, Prof. M.K. Paswan, Dr. Swarup Bag, Dr. Suman Mishra, Dr. Mahadev Shome, Mr. Amlan Saha, Mr. Tushar Sharma.

Number of Participants/Attendees: 39

Name of Coordinators: Dr. Ashish Das, Dr. Mayuri Baruah, and Dr. Raj Ballav

OUTREACH ACTIVITY

Expert Lectures Delivered -

1. **Title of the Lecture:** Delivered an Expert Lecture in online mode on “Industrial Robotics”, as a keynote speaker.

Details of Event: National Webinar on “Industrial Robotics”

Date: 29/09/20 to 03/10/20

University/Institute: Organized by the Department of Mechanical Engineering, Chaibasa Engineering College, Chaibasa, Jharkhand, Sponsored by TEQIP-III.

2. **Title of the Lecture:** Delivered an Expert Lecture in online mode on “Friction Stir Welding: A Sustainable way of Manufacturing”, as a guest speaker.

Details of Event: FDP on “Recent Advances in Welding and Joining Technology” (RAWJT-2020)

Date: 12/09/20 to 16/09/20

University/Institute: Organized by Department of Mechanical Engineering, Veer Surendra Sai University of Technology Burla, Odisha, Sponsored by TEQIP-III.

3. **Title of the Lecture:** Delivered an Expert Lecture in online mode on “Additive Manufacturing in Biomedical Field”, as a keynote speaker.

Details of Event: International Conference on “Future Engineering”

Date: 26/06/20 to 27/06/20

University/Institute: Jointly organized by Mazedan International Research Academy, Dr. RL Avadh University, Ayodhya & Dr. AIT Bangalore, Sponsored by TEQIP-III.

4. **Title of the Lecture:** Delivered an Expert Lecture in online mode on “Application of 3DPrinting in Biomedical Field”, as a guest speaker.

Details of Event: National Webinar

Date: 26/06/20

University/Institute: Organized by the Department of Mechanical Engineering, SECAB Institute of Engineering & Technology.

5. **Title of the Lecture:** Delivered an Expert Lecture in online mode on “3DPrinting in Biomedical Field”, as a guest speaker.

Details of Event: National Webinar

Date: 05/06/20 to 06/06/20

University/Institute: Organized by the Department of Mechanical Engineering, Dumka Engineering College, Dumka, Jharkhand, Sponsored by TEQIP-III.

6. **Title of the Lecture:** Delivered an Expert Lecture in online mode on “3DPrinting in Biomedical Field for Ongoing Pandemic Situation”, as a guest speaker.

Details of Event: National Webinar

Date: 20/05/20

University/Institute: Organized by the Department of Mechanical Engineering, Hyderabad Institute of Technology and Management.

7. **Title of the Lecture:** Delivered an Expert Lecture on “Recent Development on Welding Process”, as a keynote speaker.

Details of Event: One Day National Seminar.

Date: 14/09/19

University/Institute: Organized by the Department of Mechanical Engineering, Chaibasa Engineering College, Chaibasa, Jharkhand, Sponsored by TEQIP-III

- **Internship** Program for BTech students outside MANIT.
- PhD Thesis **External Examiner**

JOURNAL REVIEWER

- Journal of Engineering in Medicine (SAGE)
- Transactions of the IMF (The International Journal of Surface Engineering and Coatings)
- Journal of Brazilian Society of Mechanical Sciences and Engineering (JBSME)

ADMINISTRATIVE RESPONSIBILITIES & EXPERIENCE

- **Associate Dean** (Industry & Alumni Relations, NIT JSR) from 01/10/2018 to 30/09/2020.
- **Professor Incharge** (Sports Activities NIT JSR) 2022-2024.
- **Faculty Advisor** (P&IE 1st year UG students, NIT JSR) from 25/08/2018 to 22/01/2024
- **Laboratory Professor-In-Charge** (Metal Forming and CAD/CAM Laboratory P&IE Dept. NIT JSR) July 2018-Jan 2024
- **PI Sports Activity** MANIT Bhopal. 2024-25
- **Co-Coordinator** of E Submit 2024, 2025
- **Core committee member** ROLTA Incubation Centre 2024, 2025
- **Disciple Committee member** MAFFICK 2024, 2025
- **JOSSA UG Admission Committee Member** 2024, 2025
- **Anti Ragging Committee Member** 2024, 2025
- **Non-Teaching Recruitment Committee Member** 2024
- **Convocation Discipline Committee Member** 2024
- **Exam Coordinator** (Mechanical Eng.) 2024-25
- **MTech/ PhD Coordinator** (Smart Manufacturing) 2024-25
- **Coordinator, Internship Program** for BTech students outside MANIT, 2024, 2025.

MEMBERSHIP IN PROFESSIONAL BODIES

- The Institution of Engineers (India), MIE Member (Lifetime Membership), 2025.

CITATIONS

- Google Scholar Citations– **413; h-index– 14; i10-index-18**
- Scopus Citations–**157; h-index-8**

PERSONAL DOSSIER

Languages Known: English and Hindi

Nationality/Religion: Indian/Hindu

Gender: Male

DOB: 11th Oct 1986

Marital Status: Married

Mailing Address: Centre of Excellence in Product Design and Smart Manufacturing, MANIT Bhopal 462003, MP

DECLARATION

I hereby declare that all the information given above is true to the best of my knowledge, I shall abide by the rules and regulations of the organization.

Date: 14th Nov' 2025

(ASHISH DAS)