

KASHIF HASAN KAZMI

Assistant Professor (Production and Industrial Engg. Department)
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Area of Interest

Robotics, Additive manufacturing, CAD/CAM and Manufacturing Technology.

Education

Year	Degree/Examination	Branch/Topic	Institution/Board
Pursuing	Ph.D.	Wire Arc Additive Manufacturing	Indian Institute of Technology, Dhanbad
2017	M. Tech.	CAD, CAM & Robotics	Indian Institute of Technology, Roorkee
2014	B. Tech.	Production Engg.	B.I.T. Sindri
2011	Diploma in Engg.	Mechanical Engg.	Aligarh Muslim University, Aligarh
2008	Tenth		C.B.S.E., New Delhi

Experience

B.I.T. Sindri, Under TEQIP-III, NPIU (A unit of MHRD, Govt. of India for implementation of World Bank assisted projects in Technical Education) 4th Jan. 2018 to Ongoing

- Assistant Professor

Aligarh Muslim University, Aligarh

7th Aug. 2017 to 2nd Jan. 2018

- Visiting Faculty (B. Voc. and M. Voc.)

Aligarh Muslim University, Aligarh

7th Aug. 2017 to 2nd Jan. 2018

- Guest Faculty (Mechanical Engg. Section)

Sponsored Project:

Project Title	Optimization Technique for smooth supply chains of medical equipment and essential medicine during COVID-19 pandemic
Date of Award	12 th Nov. 2020
Principal Investigator	Mr. Kashif Hasan Kazmi
Co-Principal Investigator	Dr. Prakash Kumar
Sanctioned Amount	Rs. 2, 90,000/-
Sponsoring Agencies	Seed money under TEQIP III, B.I.T. Sindri
Status	ongoing

Projects

Simulation and experimental investigation of mechanical properties of Aluminium Copper alloys | IIT Roorkee, Roorkee

July 2016 - May 2017

- Fabrication of Al2024 composites with different weight percentages of Yttrium oxide through Spark Plasma Sintering route.
- Mechanical and metallurgical characterization is obtained through UTM, FE-SEM, EDAX, SEM and XRD.
- Micromechanical Modelling through 3D RVE are done to validate its experimental properties by using Digimat (a composite modelling software).

Continuous casting process | B.I.T Sindri

2013-14

- Theoretical study of the continuous casting process and analysis of the various parameters affecting the flow rate.

Design and fabrication of flow visualisation bench | Aligarh Muslim University, Aligarh

2010-11

- Fluid flow visualization setup was prepared to visualize the flow of fluid. The technique used to analyse the flow behaviour of fluid is called Flow Visualization.
- A flow visualization bench was designed with suitable parameters and fabricated using acrylic.

Academic Achievements

- Qualified **GATE-2015** with an **All India Rank of 84.**

Publications (SCI/SCIE/ESCI/Scopus/UGC):

- Reyazul Warshi, **Kashif Hasan Kazmi**, and Mukesh Chandra. "Mechanical properties of wire and arc additive manufactured component deposited by a CNC controlled GMAW." Materials Today: Proceedings (2021), IF: 1.24, <https://doi.org/10.1016/j.matpr.2021.10.114>
- Anshu Priya, Ankit Shrivastava, Sakila Khatun, Shitanshu S. Chakraborty, Poulomi Roy, **Kashif Hasan Kazmi**, Prakash Kumar, Sumanta Mukherjee. "Mechanical and electrochemical properties of friction stir processed magnesium alloy AZ31 for biomedical applications: A pilot study." Materials Today: Proceedings (2021), IF: 1.24, <https://doi.org/10.1016/j.matpr.2021.09.384>
- Abhishek Kumar Jha, Md. Mofeed Alam, Shitanshu S. Chakraborty, **Kashif Hasan Kazmi**, Prakash Kumar, Sumanta Mukherjee. "Ductility Improvement in Commercially Pure Aluminium by Friction Stir Processing." Next Generation Materials and Processing Technologies (2020), https://doi.org/10.1007/978-981-16-0182-8_3
- Manish Vats and **Kashif Hasan Kazmi** "Study of influencing factors on mechanical properties of Wire arc additive manufacturing". ISSN: 2349-5138, Vol. 6, Issue 02. International Journal of Research and Analytical Reviews
- Md Warif and **Kashif Hasan Kazmi** "A comparative study on mechanical and physical characteristics of Al-SiC and Al-SiC-Egg Composites fabricated by stir casting process". ISSN: 2454-9150, Vol. 4, Issue 08. International Journal for Research in Engineering Application & Management
- **Kashif Hasan Kazmi**, Prakash Kumar. "Supply chains optimization of various medical equipment and essential medicine during COVID-19 pandemic" Industrial Marketing Management– Journals (Under review)
- **Kashif Hasan Kazmi**, Anand Kumar, Alok Kumar Das. "A review on Wire-feed additive manufacturing of metal components: research directions and future interests" Additive Manufacturing – Journals (Under review)

International Conferences:

International Conference | Advances in Materials & Processing: Challenges & Opportunities, IIT Roorkee Dec., 2017
Kashif Hasan Kazmi, Anand Kumar, Ch.S. Vidyasagar, D. Benny Karunakar "Synthesis of Al-Y composite by spark plasma sintering and analysis of its tensile properties by FEM".

International Conference | IVth International Conference on Production & Industrial Engineering Dec., 2016
Kashif Hasan Kazmi, Ch.S. Vidyasagar, Anand Kumar, D. Benny Karunakar, "Simulation and experimental investigation of mechanical properties of aluminium copper alloys".

Workshop Organised

Position | Co-Coordinator 20th Aug. 2020
• "IoT and Its Application in Process Industry" organised by Production Engineering Department, B.I.T. Sindri. **(TEQIP III Sponsored)**

Position | Coordinator 3rd Oct. 18- 7th Oct. 18
• "Manufacturing Automation, Robotics and Factory of Future" organised by Department Production Engineering, B.I.T. Sindri. **(TEQIP III Sponsored)**

Position | Coordinator 11th Dec. 18
• "2nd Entrepreneurial Conclave" organised by Start-up Cell, B.I.T. Sindri. **(TEQIP III Sponsored)**

Position | Co-Convener 15th Nov. 19 to 17th Nov. 19
• "Entrepreneurship Summit-2019" organised by Start-up Cell, B.I.T. Sindri. **(TEQIP III Sponsored)**

Position | Co-Coordinator 6th May 20 to 24th June 20
• "Entrepreneurship (Idea to Business Plan, Business Skills for Entrepreneurs, Startup to IPO)" by Prof. Rajen Jaswa, Serial Entrepreneur of Silicon Valley & Adjunct Professor, IIT Bombay. **(Alumni Association of North America, B.I.T. Sindri Sponsored)**

Short Term Course, Faculty Development Program & Workshop Completed

Short Term Course | NIT Jalandhar (MHRD Sponsored, TEQIP III) 16th Sept. 20- 20th Sept. 20
• Process Modelling, Simulation, Control, and Optimization (PMSCO 2020)

Faculty Development Program | Raghu Engineering College 17th August 20- 21st August 20
• Trends In Industrial And Mechanical Engineering

Workshop | NIT Jamshedpur (MHRD Sponsored, TEQIP III) 01st August 20- 03rd August 20
• Transforming Pedagogy in India.

Faculty Development Program | FOSSEE, IIT Bombay (NMEICT, IIT Bombay) 7th July 20
• Free Open Source Tools for Education and Research

Faculty Development Program | Jharkhand Education Grid, JUT, Ranchi and B.I.T. Sindri 29th June 20
• Virtual Lab

Short Term Course | IIT Bombay (MHRD Sponsored, TEQIP III) 6th April 20- 22nd April 20
• Digital Transformation in Teaching Learning Process

Short Term Course IIT Roorkee (MHRD Sponsored, TEQIP III)	1 st March 20- 13 rd March 20
• Training on Future Skills Technologies: Robotics and Automation	
International Workshop IIT (ISM) Dhanbad (TEQIP III Sponsored)	15 th Jan. 20
• Precision Engineering and Management	
International Workshop IIT (ISM) Dhanbad (TEQIP III Sponsored)	7 th Dec. 19- 08 th Dec. 19
• Waterjet Processes and related 4.0 applications	
Workshop B.I.T. Sindri (TEQIP III Sponsored)	8 th July 19- 12 th July 19
• Emerging trends and technology in mechanical engineering.	
Faculty Development Program Electronics and ICT Academies (MeitY, Govt. of India)	24 th June 19- 28 th June 19
• Robotics and AI	
Faculty Development Program IIT Kharagpur (TEQIP III & MHRD Sponsored)	10 th June 19- 14 th June 19
• Advance Pedagogy and Digital Tool	
Workshop B.I.T. Sindri (TEQIP III Sponsored)	27 th Oct. 18- 28 th Oct. 18
• Understanding metallurgy of steel for its effective utilization	
Workshop B.I.T. Sindri (TEQIP III Sponsored)	16 th March 18- 17 th March 18
• Outcome Based Education (OBE) and Accreditation	
Faculty Development Program Teaching Learning Centre, IIT Madras	31 st Jan. 18- 4 th Feb. 18
• Teaching Methodology	
Workshop Indian Society of Remote Sensing (ISRS) and Indian Space Research Organisation (ISRO)	11 th Aug. 17
• Popularisation of Remote Sensing Based Maps and Geospatial Information	
Faculty Development Program T.M.U., Moradabad	24 th July 17- 29 th July 17
• Design and installation of solar photovoltaic system	

Administrative Responsibilities/Position Held:

- Member, Central core team, **National Board of Accreditation**, BIT Sindri from 24th July 21 to 30th Sept. 21.
- **Assistant Prof. In-charge, General Store**, BIT Sindri from 26th June 21 to till date.
- **Start-up Activity coordinator**, Institutions Innovation Councils (**IIC**) **2.O and 3.O**, BIT Sindri from 28th Aug. 19 to 10th Nov. 21.
- Assistant Prof. In-charge, Siemens Lab (Product Design Laboratory), BIT Sindri from 29th Jan. 21 to 30th Sept. 21.
- Assistant Prof. In-charge, Siemens Lab (Robotics Laboratory), BIT Sindri from 17th Aug. 19 to 28th Jan. 21.
- **Member of Start-up cell and Incubation centre**, B.I.T. Sindri from 6th Dec. 18 to till date.
- **Coordinator, National Board of Accreditation**, Production and Industrial Engineering Department, BIT Sindri.
- **Assistant warden**, Hostel no.- 1, 2 and 3, B.I.T. Sindri, Dhanbad from 8th Aug. 2018 to till date.
- **B. Tech. Project Coordinator**, Production and Industrial Engineering Department, BIT Sindri from 5th Aug. 18 to till date.
- **Departmental In-charge**, TEQIP-III, Production and Industrial Engineering Department from 1st July 19 to 30th Sept. 2021.
- **Comparer**, B. Tech. 4th Semester (Old) & 3rd Semester (Old), Examination, Vinoba Bhave University, Hazaribag from 11th July 19 to till date. .

Supervision of M. Tech. and B.Tech. Project

- M.Tech. : 11 Completed and 2 Ongoing
- B.Tech. : 20 Completed and 3 Ongoing