

KASHIF HASAN KAZMI

Assistant Professor (Production Engg. Department)
B.I.T. Sindri
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Area of Interest

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

Education

Year	Degree/Examination	Branch/Topic	Institution/Board
ongoing	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)

Projects

Optimization Technique for smooth supply chains of medical equipment and essential medicine during COVID-19 pandemic | seed money under TEQIP III, from B.I.T. Sindri ongoing

Principal Investigator: Mr. Kashif H. Kazmi

Co-Principal Investigator: Dr. Prakash Kumar

Sanctioned Amount: Rs. 2, 90,000/-

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.

Research Publications

International Journal | International Journal of Research and Analytical Reviews (IJRAR)

Jan., 2020

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 | International Journal for Research in Engineering Application & Management (IJREAM)

Nov., 2018

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 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	20 th Aug. 2020
• “IoT and Its Application in Process Industry” organised by Production Engineering Department, B.I.T. Sindri. (TEQIP III Sponsored)	
Position Coordinator	3 rd Oct. 18- 7 th Oct. 18
• “Manufacturing Automation, Robotics and Factory of Future” organised by Department Production Engineering, B.I.T. Sindri. (TEQIP III Sponsored)	
Position Coordinator	11 th Dec. 18
• “2 nd Entrepreneurial Conclave” organised by Start-up Cell, B.I.T. Sindri. (TEQIP III Sponsored)	
Position Co-Convenor	15 th Nov. 19 to 17 th Nov. 19
• “Entrepreneurship Summit-2019” organised by Start-up Cell, B.I.T. Sindri. (TEQIP III Sponsored)	
Position Co-Coordinator	6 th May 20 to 24 th 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)	16 th Sept. 20- 20 th Sept. 20
• Process Modelling, Simulation, Control, and Optimization (PMSCO 2020)	
Faculty Development Program Raghu Engineering College	17 th August 20- 21 st August 20
• Trends In Industrial And Mechanical Engineering	
Workshop NIT Jamshedpur (MHRD Sponsored, TEQIP III)	01 st August 20- 03 rd August 20
• Transforming Pedagogy in India.	
Faculty Development Program FOSSEE, IIT Bombay (NMEICT, IIT Bombay)	7 th July 20
• Free Open Source Tools for Education and Research	
Faculty Development Program Jharkhand Education Grid, JUT, Ranchi and B.I.T. Sindri	29 th June 20
• Virtual Lab	
Short Term Course IIT Bombay (MHRD Sponsored, TEQIP III)	6 th April 20- 22 nd 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 Activities

- Start-up Activity coordinator of Institutions Innovation Councils (IIC) as per direction of MHRDs Innovation Cell (MIC).
- Assistant Officer in-charge Siemens Lab (Robotics Laboratory), Govt. of Jharkhand from 17th Aug. 19 to till date.
- Member of Start-up cell and Incubation centre of B.I.T. Sindri from 6th Dec. 18 to till date.
- Co-coordinator of Production Engineering Department for **National Board of Accreditation.**

- Assistant warden of Hostel no.- 1, 2 and 3, B.I.T. Sindri, Dhanbad from 8th Aug. 2018 to till date.
- B. Tech. project coordinator of Production Engineering Department.
- Departmental in-charge, TEQIP-III of Production Engineering Department from 1st July 19 to till date.
- Appointed as comparer for B. Tech. examination for Vinoba Bhave University, Hazaribag.
- Laboratory in-charge, Metrology Lab, Production Engineering. Department.
- Member of admission committee of Production Engineering Department.

Supervision of M. Tech. Thesis

Title | A comparative study on mechanical and physical characteristics of Al-SiC and Al-SiC-Egg Composites fabricated by stir casting process. Student: Md Warif (Completed) 2017-18

Title | Study of influencing factors on mechanical properties of wire arc additive manufacturing.

Student: Manish Vats (Completed) 2018-19

Title | Enhanced beads overlapping for wire based additive manufacturing of metallic parts: Rahul Kumar Ravi 2019-20

Title | Friction Stir Processing of Commercially Pure Aluminium: Abhishek Kumar Jha 2019-20

Internships

Project Training | SAIL, Bokaro Dec. 2012 - Jan. 2013

- Study and analysis of processes in various departments such as SMS1, SMS2, Hot rolling/Cold rolling etc.

Skills

Software Package Digimat, AutoCAD, SolidWorks, Ansys, NX Nastran, Witness

Languages Known English (SRW), Hindi (SRW).