

AICTE (ATAL) Sponsored



One Week Online Faculty Development Program

On

Advancement in Manufacturing Technology

January 17th –21th, 2022

ORGANIZED BY



Department of Mechanical Engineering
School of Studies of Engineering & Technology
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur Chhattisgarh – 495009



CHIEF PATRON

Prof. Alok Kumar Chakrawal

Hon'ble Vice-Chancellor, GGV Bilaspur

PATRON

Prof. Shailendra Kumar

Registrar, GGV Bilaspur

CONVENER

Prof. T. V. Arjunan

Dean SoS (E & T) & Head
Department of Mechanical Engineering
GGV, Bilaspur Chhattishgarh

COORDINATOR

Mr. Biplab Das

Assistant Professor
Department of Mech. Engineering
SoS (E & T), GGV, Bilaspur Chhattishgarh

CO-COORDINATORS

Mr. Manish Bhaskar

Assistant Professor
Department of Mech. Engineering
SoS (E & T), GGV, Bilaspur Chhattishgarh

Mr. Pradeep Patanwar

Assistant Professor
Department of Mech. Engineering
SoS (E & T), GGV, Bilaspur Chhattishgarh

ABOUT THE UNIVERSITY

Guru Ghasidas Vishwavidyalaya is a Central University of India, located in Bilaspur C.G. State, established under Central Universities Act 2009, No. 25 of 2009. Formerly called Guru Ghasidas University (GGU), established by an Act of the State Legislative Assembly, was formally inaugurated on June 16, 1983.

GGV is an active member of the Association of Indian Universities and Association of Commonwealth Universities. Situated in a socially and economically challenged area, the university is appropriately named to honour the great Satnami Saint Guru Ghasidas (born in the 17th century), who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils and injustice prevailing in the society. The University is a residential cum affiliating institution, having its jurisdiction spread over Bilaspur Revenue Division of the state of Chhattisgarh

ABOUT THE DEPARTMENT

Department of Mechanical Engineering was established in the year 2006, with intake of 60 students. The main objective of the department is to produce the mechanical engineering graduates, who are equipped with the latest theoretical and experimental knowledge and ready to take up challenging jobs in government departments, public sector organizations and industry. The department puts a lot of emphasis on training of students which can bring out their capabilities and leads to their full growth and development. Emphasis is put on their hands-on training for which department has well equipped labs of, theory of machines, strength of materials, heat &

mass transfer, refrigeration and air conditioning and central workshop. The department runs B.Tech programme, M.Tech programme in “Machine Design” & Ph.D programme. The department works on multi-disciplinary research areas – renewable energy, slurry transportation, composites, design & manufacturing.

CONTENT OF THE FDP

Manufacturing of components have become an important part in reference to the product development in industries for the service of mankind. The knowledge of manufacturing processes is highly essential for all engineers & technocrats for familiarizing themselves with modern concepts of manufacturing technologies. The initiative is advances in modelling, simulation, experimental techniques along with optimization techniques all of which are merging in creating the ability to design and manufacturing process more rapid and at lower cost than traditional approach. The course content includes: -

- Fundamental knowledge of principle and physics involved in advance welding and joining process.
- Thermal and structural finite element modelling of welded structures.
- Principles and physics involved in additive manufacturing (3D printing) process.
- Finite element analysis and modelling of laser based manufacturing process.
- Fundamental knowledge and principles associated with micro forming and micro machining process. Hands on session on different (FE software based simulation) on different advanced forming/welding techniques.

PARTICIPANTS

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, Industry professionals. As the maximum number of participants is limited to 200, selection of the participants will be based on first- come-first-serve basis.

REGISTRATION

*****No registration fee will be charged from the participant***** Participants can register here: <https://atalacademy.aicte-india.org>

PARTICIPATION CERTIFICATE

A participation certificate will be issued by AICTE - ATAL Academy on successful completion of the course. As per AICTE, minimum 80% active participation, and 60% of marks in the test conducted at the end of the programme are required to become eligible for a participation Certificate.

ADDRESS FOR CORRESPONDENCE

Department of Mechanical Engineering
School of Studies, Engineering & Technology
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur Chhattisgarh Pin-495009

CONTACT DETAILS

Mr. Biplab Das

Coordinator ATAL FDP-AMT
Assistant Professor
Department of Mech. Engineering
SoS (Eng. & Technology), GGV, Bilaspur
Phone:-8011256630, 8011015839
Email ID: - biplab.das@ggu.ac.in

Mr. Manish Bhaskar

Co-coordinator ATAL FDP-AMT
Assistant Professor
Department of Mech. Engineering
SoS (Eng. & Technology), GGV, Bilaspur
Phone:-9098407370
Email ID: - manish.bhaskar@ggu.ac.in

Mr. Pradeep Patanwar

Co-coordinator ATAL FDP-AMT
Assistant Professor
Department of Mech. Engineering
SoS (Eng. & Technology), GGV, Bilaspur
Phone:-7906098789
Email ID: - pradeep.patanwar@ggu.ac.in

ORGANIZING COMMITTEE

Dr. Pankaj Kumar Gupta, Associate Professor
Dr. J. Poonam Ekka, Assistant Professor
Dr. Anoop K. Sahu, Assistant Professor
Mr. Prashant Jangde, Assistant Professor
Mrs. Shweta Singh, Assistant Professor
Mr. Bhushan Singh Gautam, Assistant Professor
Mr. Prateek Gupta, Assistant Professor
Mr. Rajiv Shrivastava, Assistant Professor
Mr. Vicky Lad, Assistant Professor