



Mech-Connect

MECHANICAL ENGINEERING DEPARTMENT NEWSLETTER



FDP VALEDICTORY AND MOU WITH SPHOORTI MACHINE TOOL

- 1 FDP Valedictory Function
 - 2 SDP on Intellectual Property Rights and Patent Filing
 - 3 Skill Development Program
 - 4 SDP on Python Program
- Contents**

February 2026

ISSUE - 5

Valedictory Function of State Level One Week Faculty Development Program On "Industrial Automation"

The Department of Mechanical Engineering, Basaveshwar Engineering College (BEC), Bagalkote, in association with the Internal Quality Assurance Cell (IQAC), organized the Valedictory Function of the State Level One Week Faculty Development Program (FDP) on Industrial Automation on 02 February 2026 at 12:00 Noon in the Multimedia Seminar Hall.

The valedictory function was graced by Chief Guest Shri. Ram Purohit, Founder of Sphoorti Machine Tools Pvt. Ltd., Bangalore. In his address, he emphasized the growing importance of automation in industries, the need for skill development among faculty, and the integration of industry-oriented training in academic curricula.

The function was honored by the gracious presence of Dr. R. N. Herkal, DTE, BVVS, Bagalkote, who appreciated the department's initiative in organizing such a relevant and timely FDP. He encouraged faculty members to continuously upgrade their technical knowledge to meet industry demands.

The program was presided over by Dr. B. R. Hiremath, Principal, BEC, Bagalkote, who highlighted the importance of Faculty Development Programs in improving teaching quality, research capabilities, and institutional growth.

The event was coordinated by Dr. V. V. Kuppast and Dr. S. G. Saraganachari. The Dean (R&D), Dr. Mahabaleshwar S. K., and the Head of the Department, Dr. V. V. Kuppast, played a key role in supporting and guiding the successful conduct of the program.

During the valedictory session, feedback from participants was shared, certificates were distributed, and the outcomes of the FDP were summarized.





SDP on Intellectual Prosperity Rights and Patent Filing

The Department of Mechanical Engineering, Basaveshwar Engineering College (BEC), Bagalkote, in association with the Internal Quality Assurance Cell (IQAC), organized the Inaugural Function of the Student Development Program on “Intellectual Property Rights and Patent Filing” on 30 January 2026 at 9:30 AM in the Seminar Hall.

The program was organized with the objective of creating awareness among students about Intellectual Property Rights (IPR), the importance of patents, and the procedure involved in patent filing.

The function was graced by the Chief Guest, Dr. Santosh M. Nejakar, and Director, IQAC, VTU, Belagavi. In his inaugural address, he highlighted the significance of intellectual property in academic and industrial research.

The morning session was delivered by **Dr. Santosh M. Nejakar**, Director, Internal Quality Assurance Cell (IQAC), VTU Belagavi, who emphasized the importance of IPR awareness in strengthening academic quality, research culture, and innovation among engineering students.

The afternoon session was delivered by **Sri. Rakshit Kalyani**, Chief Operating Officer, Research Park, IIT Dharwad, explained the importance of conducting a thorough patent search to assess novelty and avoid infringement. The session introduced students to national and international patent databases used for prior art analysis. Step-by-step procedures for identifying relevant keywords, classifications, and existing patents were discussed.

OBJECTIVES

- 1.To create awareness among engineering students about the significance of Intellectual Property Rights in protecting technological innovations and research outcomes.
- 2.To provide fundamental knowledge of various forms of intellectual property, with emphasis on patents relevant to engineering inventions.
- 3.To familiarize students with patentability criteria such as novelty, inventive step, and industrial applicability in the context of engineering designs and technologies.
- 4.To encourage students to integrate IPR considerations into project work, research activities, and product development.
- 5.To promote innovation, entrepreneurship, and technology commercialization among engineering students.





“CAD & CAM USING AUTODESK FUSION”

A Two-Week Skill Development Program on “CAD & CAM using Autodesk Fusion” was organized for the Fifth Semester Mechanical Engineering students in association with Medini Technologies, Bangalore. The program aimed to enhance students’ practical knowledge and industry-relevant skills in computer-aided design and manufacturing using Autodesk Fusion.

Objectives of the Program

- To provide hands-on training in 3D modeling and assembly design.
- To introduce students to CAM operations and CNC toolpath generation.
- To bridge the gap between academic learning and industry requirements.
- To develop practical skills in product design and manufacturing workflows.

Team

A total of 72 students actively participated in the program. The event was coordinated by Prof. S. S. Davanageri, Prof. B. R. Endigeri, and Prof. R. S. Matti, who ensured the smooth planning and execution of the sessions.

Program Highlights

During the two-week training, students were introduced to:

- Sketching and parametric modeling techniques
- Part and assembly modeling
- Sheet metal and surface modeling concepts
- CAM setup and toolpath generation
- CNC simulation and post-processing
- Real-time design projects and practice exercises

The sessions were highly interactive and practice-oriented, enabling students to design components and manufacturing processes effectively.



Conclusion

The Skill Development Program successfully equipped students with practical knowledge and technical skills in CAD & CAM using Autodesk Fusion. The collaboration with Medini Technologies added significant industry exposure to the training. The program was well-received by the participants and proved to be beneficial in preparing them for internships and future career opportunities in design and manufacturing sectors.



Student Development Program

PYTHON PROGRAMMING FOR STUDENTS

26 to 28 February 2026



The Department of Mechanical Engineering, Basaveshwar Engineering College, Bagalkote, in association with the Internal Quality Assurance Cell (IQAC), organized the Inaugural Function of the Student Development Program (SDP) on "Python Programming for Students" on 26th February 2026 at 9:30 AM in the Mechanical Engineering Department Seminar Hall.

The program was organized with the objective of equipping students with fundamental and advanced concepts of Python programming, enabling them to enhance their coding skills and apply programming knowledge in engineering applications.

The inaugural function was graced by Mr. Abhaykumar R. Gavali, Technical Head, AG Tech Institute, Pune, as the Chief Guest. In his address, he emphasized the importance of programming skills in today's technological era and encouraged students to actively engage in learning Python to improve their career prospects. The event was conducted under the guidance of Dr. Vinay V. Kuppast, HoD, Department of Mechanical Engineering.

The program was coordinated by Prof. Kiran D. Aswale, Dr. Anand N. Sonnad, and Dr. Ramesh S. Naik, who ensured the smooth organization and execution of the inaugural session.

Faculty members, staff, and students attended the function in large numbers. The program concluded with a vote of thanks, expressing gratitude to the management, dignitaries, organizers, and participants for making the event a grand success.

ALUMNI VISIT

The Department of Mechanical Engineering was delighted to welcome our distinguished alumni Mr. Shetty and Mr. Udupudi, along with our former faculty members Prof. Holla and Dr. Venkanna, on 19th February 2026.

The visit was a memorable occasion that provided an opportunity to reconnect with the alumni and former faculty members. During their interaction with the Head of the Department and faculty members, they shared their professional experiences, industry insights, and valuable suggestions for the academic and skill development of students.

The department expresses its sincere gratitude to Mr. Shetty, Mr. Udupudi, Prof. Holla, and Dr. Venkanna for their visit and valuable guidance.



THREE-DAY EXAMINATION -RELATED WORKSHOP

Dr. Rajashekar V. Kurahatti participated in a Three-day workshop organized by the Karnataka Examinations Authority (KEA), Bengaluru, held on 23, 24 and 25 February 2026. The workshop aimed to enhance the understanding of examination procedures, strengthen evaluation methodologies, and update participants on recent reforms introduced by the authority. The sessions covered a wide range of topics, including updated examination guidelines, digital evaluation processes, best practices in question paper setting, ensuring transparency in assessments, and maintaining the integrity of examination systems.

PATENT APPLICATION

- Basaveshwar Engineering College has successfully filed a Design Patent Application titled "Self Cooling Wheelchair Using Active Airflow for Disabled Patient" with the Office of the Controller General of Patents, Designs & Trade Marks, Government of India. The application reflects the institution's active involvement in innovation, research, and intellectual property development. As per the official record, the application status is: "Case is in Amended Case of Controller." This indicates that the application is under examination/processing with amendments as required by the Controller's office.
- Basaveshwar Engineering College
- Shivanand C. Yali Sanjay S. J, Praveen C Kolur, Somalingappa S. Davanageri, Amogh Vijaykumar Dhanashetti, Sameer Ashok Kannur, Shreekant Hugar, Shreeshail salagar & Y Gangur

ONLINE CERTIFICATION

This is to report that Ms. Uma Jayagondar, M.Tech student, has successfully completed the online certification course titled "Metal Additive Manufacturing." The course was offered by Visvesvaraya Technological University (VTU), Belagavi. The certification was completed on 19/01/2026 as a 3-credit course.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

CENTRE FOR ONLINE EDUCATION

HONOURS, MINORS, CERTIFICATE AND
SKILL ENHANCEMENT COURSES

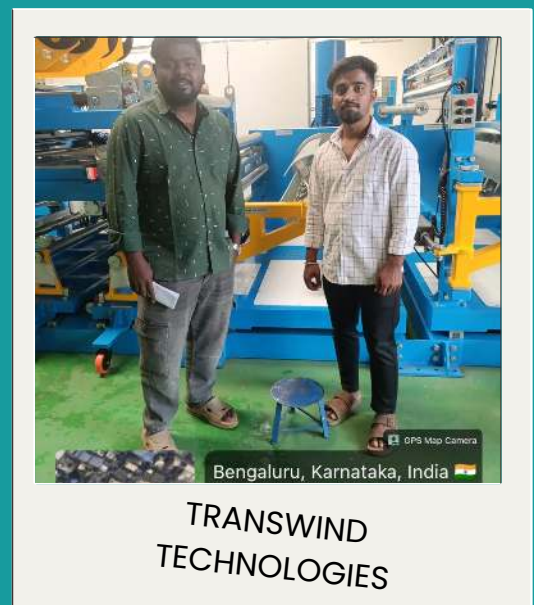
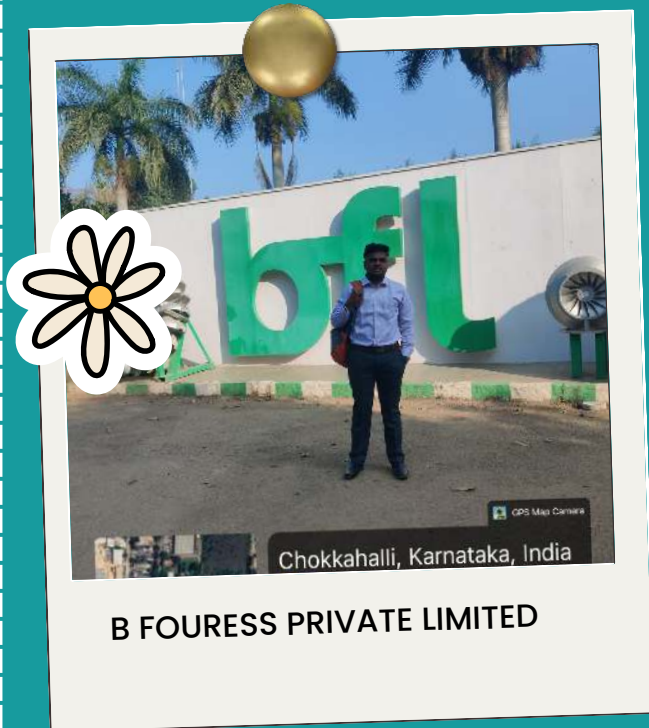
Elite GOLD

COURSE COMPLETION CERTIFICATE

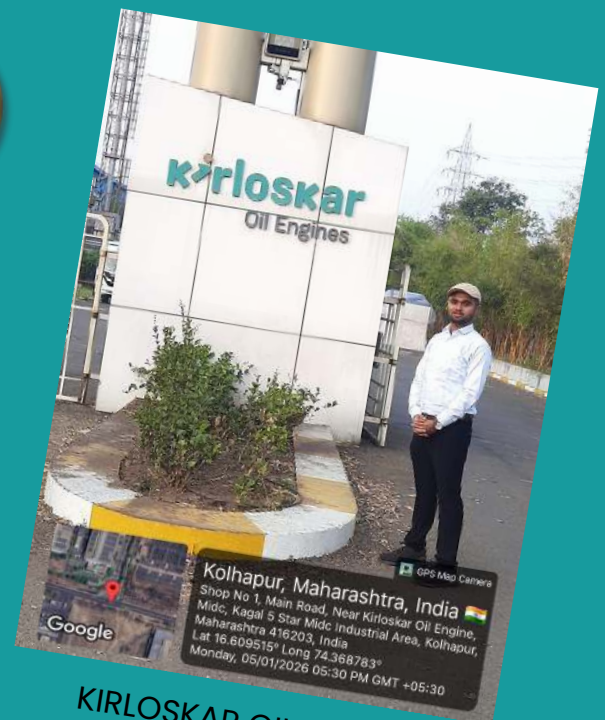
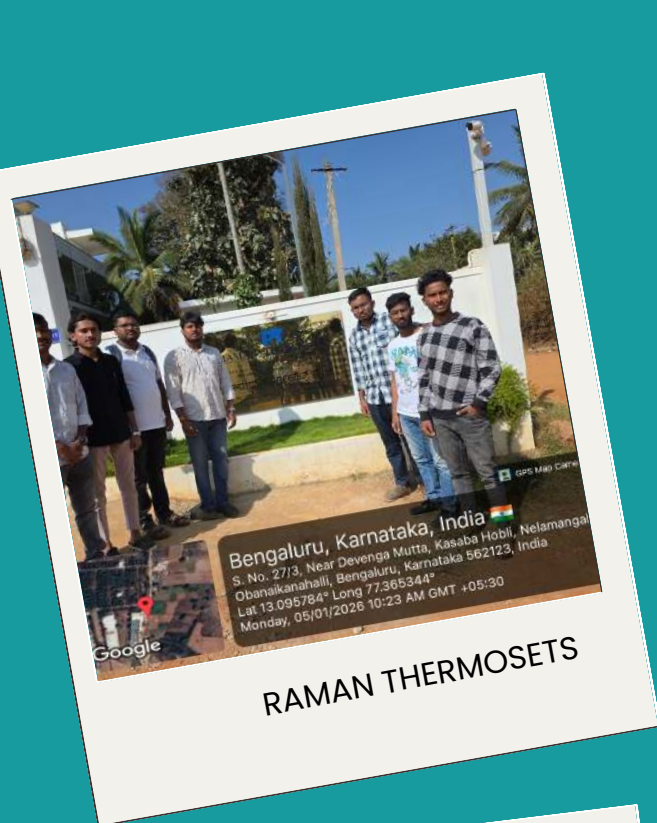
This is to Certify that Dr/Mr/Ms Uma Jayagondar with USN 2BA24MMD01
has successfully completed Metal Additive Manufacturing
Course of 3 Credits on 2026-01-19
from VTU - Centre for Online Education.


Registrar (Evaluation)

INDUSTRIAL INTERNSHIP 2026 – PHOTO GALLERY



INDUSTRIAL INTERNSHIP 2025-26 – PHOTO GALLERY



Vision

“To be an institution of excellence on education, research and innovation for sustainable future

Mission

- **Develop globally competent professionals to meet future talent demands.**
- **Nurture a culture of research, innovation and entrepreneurship**
- **Promote collaborations, outreach and extension programs to address industrial and societal needs •**
- **Imbibe moral and ethical values among students. •**
- **Foster ecological and environmental consciousness.**



Dr. Vinay V. Kuppast – Chief Editor
Prof. Shivanand. C. Yali – Editor
Sri. Jagadish Honnihal – Member
Mr. Vaibhav – Student Member

**Printed and Published by Department of Mechanical Engineering,
BEC Bagalkote Email: bechodmech1963@gmail.com Contact:
9986419729 DATE: 28 FEBRUARY 2026**