



MECH CONNECT

THE NEWS LETTER OF DEPARTMENT OF MECHANICAL ENGINEERING
BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE



ISSUE-4 JANUARY 2026



GOLD MEDAL



Vijayakumar Managooli Mech department Secured Gold medal, recieved from Dr Veeranna Charntimath, chairman, B.V.V.S and Prof Ravindra Gudi Cheief Guest

15th Graduation Day Celebrated at BEC, Bagalkote

Basaveshwar Engineering College (BEC), Bagalkote, celebrated its 15th Graduation Day on 10th January 2026 with great pride and enthusiasm at the BEC Auditorium. The event marked a memorable milestone in the academic journey of graduating students as they received their degree certificates in the presence of distinguished dignitaries, faculty members, parents, and well-wishers.

The ceremony was graced by Prof. Ravindra Gudi, Deputy Director, IIT Bombay, as the Chief Guest. In his inspiring address, he highlighted the importance of technical competence, innovation, and ethical responsibility in shaping the future careers of young engineers.

The ceremony was presided over by Dr. Veeranna Charantimath, Former MLA and Chairman, B.V.V. Sangha, Bagalkote. In his presidential remarks, he urged the graduates to uphold the college's legacy and serve as ambassadors of excellence wherever they go.

The occasion was further graced by Shri Mahesh Athani, Hon. Secretary, B.V.V. Sangha, and Dr. R. N. Herkal, Director, Technical Education, B.V.V. Sangha, who conveyed their best wishes to the outgoing batch. Dr. B. R. Hiremath, Principal, BEC delivered an insightful and dignified Guest Introduction, setting the tone for the event.

The event concluded with a heartfelt vote of thanks and the National Anthem.

15th Graduation Day – Highlights

- Held on 10th January 2026, at 4:00 pm in the BEC Auditorium.
- Chief Guest: Prof. Ravindra Gudi, Deputy Director, IIT Bombay.
- President: Dr. Veeranna Charantimath, Chairman, B.V.V. Sangha.
- Gracious Presence: Shri Mahesh Athani, Hon. Secretary, B.V.V. Sangha
Dr. R. N. Herkal, Director, Technical Education

Congratulations Class of 2024



Graduation Day Report – B.E. Mechanical Engineering

The 15th Graduation Day of B.V.V. Sangha's Basaveshwar Engineering College, Bagalkote, was celebrated with great enthusiasm and pride. The Department of Mechanical Engineering witnessed a significant milestone as 84 students were formally awarded their B.E. degrees, marking the successful completion of their academic journey.

The graduates received their degrees in the presence of distinguished guests, faculty members, and proud parents. The event celebrated not only academic accomplishment but also the dedication, perseverance, and hard work of the students.

The ceremony was graced by Prof. Ravindra Gudi, Deputy Director, IIT Bombay, as the Chief Guest. The ceremony was presided over by Dr. Veeranna Charantimath, Former MLA and Chairman of B.V.V. Sangha, Bagalkote.

The graduates received their degrees in the presence of distinguished guests, faculty members, and proud parents. The event celebrated not only academic accomplishment but also the dedication, perseverance, and hard work of the students. The faculty of the Mechanical Engineering Department congratulated all the graduates and encouraged them to continue striving for excellence as they embark on their professional careers.

A major highlight of the ceremony was the recognition of seven outstanding rank holders from the Mechanical Engineering branch who excelled in their academic performance across the eight semesters.

- **Vijayakumar Managooli – 1st Rank**
- **Kishan N Devagirakar – 2nd Rank**
- **Arun Siddarudha Patil – 2nd Rank**
- **Sameer Bairedar – 3rd Rank**
- **Rahul Basavaraj Kullur – 4th Rank**
- **Rahut Darga – 5th Rank**
- **Varun Anand Aptagiri – 6th Rank**



Vivekanand Jayathi

Swami Vivekananda's 163rd Jayanti was celebrated with great reverence in the Department of Mechanical Engineering on 12th January. The programme commenced with floral tributes offered to the portrait of Swami Vivekananda by the faculty members and students.

On this occasion, the Head of the Department, Dr. Vinay Kuppast, delivered an inspiring address highlighting Swami Vivekananda's immense contributions to spirituality, nation-building, and youth empowerment. He emphasized the relevance of Swami Vivekananda's teachings in shaping the character and values of students in the modern era.

Prof. V. P. Girisagar also spoke on the occasion, sharing insights into the life and philosophy of Swami Vivekananda and motivating students to follow his ideals of discipline, service, and self-confidence.

The programme was attended by Dr. S. G. Saraganachari, Prof. S. C. Yali, Prof. Rajath Handi, faculty members, and students. The event concluded with all the participants paying floral homage to Swami Vivekananda's portrait, reaffirming their commitment to uphold his values in academic and personal life.



Software Training Program on Fusion 360 and SolidWorks

A total of 22 final-year seventh semester students registered for a software training program conducted by Medini Technologies. The training focused on Fusion 360 and SolidWorks, providing hands-on exposure to industry-relevant design and analysis tools.

During the program, students learned 3D modeling of mechanical parts and components, along with performing static, dynamic, and thermal analysis of simple mechanical components. The training helped students enhance their practical understanding of design and simulation concepts used in real-world engineering applications.

The program was conducted under the coordination of Prof. S. S. Davanageri, Department of Mechanical Engineering. The sessions were led by Er. Abhishek Bhimshetty, who guided the students through practical demonstrations and exercises.

The training program was beneficial in strengthening the technical skills of the students and improving their industry readiness.



Academic Achievement: PhD Awarded

Mr. Iranna Hanapur, Research Scholar from the Department of Mechanical Engineering, Basaveshwar Engineering College, Bagalkote, has successfully completed his Final Ph.D. Viva-Voce Examination under Visvesvaraya Technological University (VTU), Belagavi.

He carried out his doctoral research under the supervision of Dr. Shivayogi S. Hiremath, Professor (Retd.), Basaveshwar Engineering College, Bagalkote.

His thesis, titled "Design Optimization of Strain Gauge Balance for Wind Tunnel Application Using Finite Element Method", makes significant contributions to the field of aerodynamic force measurement and wind-tunnel instrumentation.

The research focuses on FEM-based design optimization of internal strain gauge balances, with notable outcomes in mesh refinement strategies, gauge length optimization, material selection, and cross-sectional geometry enhancement.



Alumni Visit

The Department of Mechanical Engineering, Basaveshwar Engineering College, Bagalkot, was pleased to host Mr. Sanjeev Kulkarni during his visit to the department.

Mr. Kulkarni is currently working as a Product Development Lead Engineer at Live4est Technologies Pvt. Ltd. He has previously worked with globally reputed companies such as Eaton, Signify (Philips), and Schneider Electric. With 17 years of professional experience, his specialization includes new product development, consumer electronics, battery development, and semiconductor technologies.

He also shared valuable insights on current industrial trends and encouraged the department to strengthen industry-academia collaboration.



1990 Batch Graduate's

Mr. Girish Koppar, along with other alumni from the 1990 graduating batch, visited the department on 23 January 2026. The alumni interacted with faculty members and shared their professional experiences and memories associated with their time in the department.



FRESCO-2K25 (Fresher Welcome Programme)

The Department of Mechanical Engineering, B.V.V.S. Basaveshwar Engineering College, Bagalkote, organized FRESCO-2K25, a Fresher Welcome Programme, on Saturday, 22nd November at 4:00 PM in the Gallery Hall, BEC Bagalkote. The programme was organized to warmly welcome the newly admitted students into the world of engineering education.

The programme began with an invocation, followed by a formal welcome to the dignitaries and students. Mr. Abhishek R. Khapare, Director, Vatsala Sheet Metal, Hubli, graced the occasion as the Chief Guest. In his address, he motivated the students to develop technical skills, discipline, and a positive attitude towards learning, emphasizing the importance of practical exposure in engineering careers.

The programme was conducted under the guidance of Dr. Vinay V. Kuppasat, Head of the Department of Mechanical Engineering. Prof. Kiran D. Aswale, MEA Coordinator, coordinated the event effectively. The programme was smoothly managed by the General Secretaries Mr. Raghu Kalamadi and Ms. Meghana Biradar.



Faculty Achievements

VGST Proposals

The Mechanical Engineering Department of Basaveshwar Engineering College (BEC), Bagalkote, has actively participated in the submission of research and development proposals under various schemes of the Vision Group on Science and Technology (VGST), Government of Karnataka, for the academic year 2025–26. A total of seven proposals have been submitted under different categories, including K-FIST Level-1 and Faculty Development Programs (FDPs).

1. K-FIST Level-1 Proposals

1.1 ANN-Based Modelling of Engine Performance of NH3 Dual-Fuel RCCI Engine

- PI: Dr. Suryakanth
- Co-PI: Mr. Rajath M. Handi
- Budget: ₹20,00,000
- Application No.: VRN/003193/25-26

1.2 Investigation of Fretting Fatigue, Wear and Corrosion Behavior of Additive Manufactured Ti-6Al-4V Alloy

- PI: Dr. Anand N. Sonnad
- Co-PI: Prof. Kiran D. Aswale
- Budget: ₹20,00,000
- Application No.: VRN/003255/25-26

1.3 Centre of Excellence in Non-Destructive Testing (NDT)

- PI: Prof. B. R. Endigeri
- Co-PI: Prof. S. S. Davanageri
- Budget: ₹20,00,000
- Application No.: VRN/003290/25-26

1.4 3D Scanning of Medical Implants for Precise Evaluation and Reconstruction

- PI: Prof. Sanjay S. J.
- Co-PI: Prof. Praveen C. Kolar
- Budget: ₹20,00,000
- Application No.: VRN/003421/25-26

2. Faculty Development Program (FDP) Proposals

2.1 AI Based Data Analysis and Decision Making for Mechanical Systems

- Coordinators: Prof. G. H. Rathod, Prof. B. R. Endigeri
- Budget: ₹3,45,000
- Application No.: VRN/003274/25-26

2.2 The Green Hydrogen: Opportunities and Challenges in India

- Coordinators: Dr. V. R. Kattimani, Prof. S. C. Yali
- Budget: ₹3,45,000
- Application No.: VRN/003063/25-26

2.3 Machine Learning for Mechanical Engineers

- Coordinators: Prof. S. S. Davanageri, Prof. Sanjay S. J.
- Budget: ₹3,00,000
- Application No.: VRN/003222/25-26
- This program is intended to enhance faculty skills in using machine learning techniques relevant to mechanical engineering datasets and problems.



The Mechanical Engineering Department has submitted a comprehensive set of proposals totaling ₹1.49 crore (approx.) across multiple innovative domains. These submissions demonstrate the department's commitment to research excellence, infrastructure enhancement, and faculty skill development.



Faculty Achievements

Design Patent Registration Achievement by Dr Vinay Kuppast

The Patent Office, Government of India, under Intellectual Property India, has granted a Certificate of Registration of Design for the innovation titled "IoT Based Digital Power Press Machine". The design has been registered under Design No. 462319-001 in Class 15-09, in accordance with the provisions of the Designs Act, 2000 and the Designs Rules, 2001. The design is registered in the names of Dr. Vinay V. Kuppast, HOD, Department of Mechanical Engineering, BEC, Bagalkot and other.

The patented design focuses on an IoT-enabled digital power press machine, integrating smart control, monitoring, and automation features to enhance safety, efficiency, and productivity in industrial press operations. The innovation supports the advancement of smart manufacturing and Industry 4.0 practices.

This achievement highlights the institution's commitment to research, innovation, and intellectual property creation and encourages faculty members to actively engage in applied research and technology development.



MOU with Unnathi CNC

The Department of Mechanical Engineering, B.V.V. Sangha's Basaveshwar Engineering College (BEC), Bagalkot, has signed a Memorandum of Understanding (MoU) with Unatti CNC, Bengaluru to strengthen industry-academia collaboration. The MoU aims to bridge the gap between theoretical knowledge and industrial practice by facilitating student internships, industrial training, skill development programs, expert lectures, workshops, and hands-on exposure to CNC machining and advanced manufacturing technologies.

This partnership is expected to enhance the employability and technical competency of students, while enabling faculty members to stay updated with current industrial practices. The collaboration marks an important step towards outcome-based education and industry-relevant learning for Mechanical Engineering students at BEC Bagalkot.



Two-day Examination -Related Workshop

Dr. Rajashekar V. Kurahatti participated in a two-day workshop organized by the Karnataka Examinations Authority (KEA), Bengaluru, held on 22nd and 23rd December 2025. 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.



Visit to IMTEX forming 2026

Dr. Ramesh Naik and Prof. Pramod Bajantri, along with Mr. Gautham M. G, visited IMTEX Forming 2026 – International Forming Technology Exhibition, held from 21 to 25 January 2026 at Bangalore International Exhibition Centre (BIEC), Bengaluru.

The visit provided valuable exposure to the latest advancements in forming technologies, digital manufacturing, tooling, welding, moulding, and fastening industries. IMTEX Forming 2026 featured several concurrent and co-located exhibitions, offering insights into modern manufacturing practices and emerging industrial trends.

During the visit, the faculty members interacted with exhibitors and explored innovative technologies relevant to mechanical engineering education and industry applications. The visit was informative and contributed to enhancing academic-industry interaction, supporting curriculum enrichment and future collaborations.



Inaugural Function of State-Level One Week Faculty Development Programme on Industrial Automation



The Department of Mechanical Engineering, Basaveshwar Engineering College, Bagalkote, in association with the Internal Quality Assurance Cell (IQAC), organized the inaugural function of the State-Level One Week Faculty Development Programme (FDP) on "Industrial Automation" on 29 January 2026 at 10:00 AM in the Multimedia Seminar Hall.

The inaugural program was graced by Shri. Rajkumar R. S., Director, NIE-MC and Member of the Board, IIT Guwahati, and Former Executive Vice President, Bosch Rexroth India, as the Chief Guest. In his keynote address, he emphasised the importance of industrial automation, Industry 4.0 technologies, and their growing relevance in modern manufacturing and engineering education.

The function was held in the gracious presence of Dr. R. N. Herkal, DTE, BVVS, Bagalkote. The programme was presided over by Dr. B. R. Hiremath, Principal, Basaveshwar Engineering College, Bagalkote, who highlighted the role of faculty development programmes in enhancing teaching effectiveness and industry readiness.

Dr. Mahabaleshwar S. K., Dean (R&D), and Dr. V. V. Kuppast, Head of the Department of Mechanical Engineering, were present and addressed the gathering. The FDP was coordinated by Dr. V. V. Kuppast and Dr. S. G. Saraganachari, who briefed the participants about the objectives and structure of the one-week programme. Total 47 participants are registered for the course.

The FDP, scheduled from 29 January 2026 to 02 February 2026, covered key topics such as sensors and actuators, industrial automation fundamentals, robotics, Industry 4.0, AI & ML applications in manufacturing, automation components, and digital manufacturing practices. Experts from academia and industry delivered technical sessions throughout the programme.

The inaugural function concluded with a vote of thanks, marking a successful beginning of the FDP aimed at strengthening faculty competency in the emerging domain of industrial automation.



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: 31 January 2026**