



InPro Efficiency



Shaping Excellence In Industrial & Production Engineering Since 1984

INDEX

- About College
- College Vision and Mission
- About the department
- Department Vision and Mission
- Research Centre
- Recent Phds awarded
- SDPs Conducted
- Faculty Achievements

About the College:

Basaveshwar Veerashaiva Vidya Vardhak Sangha (BVVS), Bagalkote, established in 1906 by His Holiness Gurubasav Swamiji of Bilur, has grown from a Sanskrit Pathashala into a reputed educational organization managing over 160 institutions across four districts. Among these, **Basaveshwar Engineering College (BEC)** is a premier technical institution serving students from rural and economically weaker sections of North Karnataka, with a campus strength exceeding 4000.

BEC emphasizes academic excellence and research-driven education. Nearly **50% of its faculty hold Ph.D.** degrees from institutions such as IISc, IITs, and NITs. Over the past decade, more than 200 research scholars have registered for Ph.D. programmes, with 80 successfully awarded doctorates. Active research has attracted sponsored grants exceeding ₹5 crores in the last three years, supported by 40 MoUs with industries and academic organizations.

The college features advanced infrastructure, including an RFID-enabled central library, 1400 networked computers, and a 10 Gbps campus network with high-speed internet. It has effectively utilized ₹38.66 crores under TEQIP Phases I–III. Accredited by NAAC (Cycle 2, 2024) with an 'A' Grade (CGPA 3.01) and by NBA for all eligible B.E. programmes, BEC upholds excellence through autonomy, implementing CBCS and Outcome-Based Education.

Innovative programme such as B.E. in Artificial Intelligence and Machine Learning (2020) reflect its commitment to emerging technologies. With a strong focus on employability, entrepreneurship, and holistic student development, BEC continues to uphold its legacy of excellence, innovation, and societal contribution over the past 59 years.



VISION

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

MISSION

- Develop globally competent professionals for future talent requirements
- Nurture a culture of research, Innovation and entrepreneurship
- Promote collaborations, extension and outreach programs for addressing industrial and societal needs
- Imbibe moral and ethical values
- Foster ecological and environmental consciousness



Vision

- To achieve excellence in education and research in Industrial and Production Engineering for a sustainable future

Mission

- Develop globally competent professionals in Industrial and Production Engineering by imparting quality education
- Nurture a culture of research, innovation, and entrepreneurship through collaboration with institutes and industries
- Imbibe moral, ethical, environmental, and societal consciousness

About the Department:

The Department of Industrial and Production Engineering, established in 1984 with an initial intake of 30 students, is dedicated to nurturing professionals and leaders for the manufacturing and service sectors. The curriculum blends two vital domains—Industrial Engineering and Production Engineering—offering a comprehensive learning experience.

The department offers **B.E. (Industrial and Production Engineering)**, **M.Sc. (Engg.) by Research**, and **Ph.D.** programs. Students are trained in cutting-edge manufacturing technologies such as CAD/CAM, CAE, FMS, CIM, and Additive Manufacturing, alongside advanced concepts in Management Science, Materials Science, and Metallurgy. Case studies enhance their problem-solving and managerial skills.

A team of highly qualified faculty—all Ph.D. holders—has made significant research contributions, publishing over 150 papers and developing innovative solutions. They possess expertise in Manufacturing, Productivity, Entrepreneurship, and Management, and have participated in numerous IIT and IIM training programs. The department has also organized over 30 faculty and student development programs.

The teaching-learning process is supported by skilled technical staff, and regular alumni interactions and employer feedback drive continuous curriculum improvement. A unique **proctoring system** assigns each faculty member to mentor ten students, ensuring academic progress and holistic development.

Continuing its pursuit of excellence in research and development, the department has produced 14 Ph.D. graduates and currently has 8 research scholars engaged in advanced studies in the areas of Machining Science, Metallurgy, and Management.

PEOs

- To equip the students for a successful career in manufacturing, services, R & D and so as to meet the global challenges.
- To Inculcate professional skills amongst the students in design, manufacturing, maintenance, quality, computational, and software aspects of products and services.
- To imbibe knowledge that enables the students to get the required inputs to become competent industrial engineers and managers acceptable to present and future industries.
- To encourage students' lifelong learning skills, entrepreneurial ability, innovation, communication, ethical practices, and life skills.
- To strengthen the knowledge of students in multi-disciplinary areas of engineering.

PSOs

- The Industrial and Production Engineering Graduates will be able to effectively design, implement, improve, and manage systems / activities in manufacturing and service organizations.
- Use the knowledge and skills of industrial engineering to model and analyze real-life problems to develop solutions.
- Engage Professionally in industries or as an entrepreneur by applying manufacturing and management practices.

Research Centre Report:



SDPS conducted:

Title of the Programme: **Entrepreneurship Awareness Program**

Date of conduction : 28.10.2025

Department of Industrial and Production Engineering in association with Departments of Mechanical Engineering and Automobile Engineering conducted the programme.

Background, Purpose, and Importance of the Program:

Entrepreneurship is increasingly emerging as a promising and viable career path for students. The proposed Student Development Program (SDP) aims to nurture an entrepreneurial mindset among participants, motivating them to innovate, take calculated risks, and generate employment opportunities rather than merely seeking traditional jobs. This initiative is in line with national policies and missions that emphasize the promotion of startups, innovation, and self-reliance among youth.

Objectives of the Program:

The primary objectives of the program are to introduce students to the fundamentals of entrepreneurship and the startup ecosystem, inspire them to identify and pursue entrepreneurial opportunities, and equip them with the essential skills and knowledge required to start, manage, and sustain a successful business venture.

The total number of the students participated in the programme was 62.



Recent PhDs awarded:

1. Shubhada Warke- Modelling and Optimization of Additive Manufacturing Process
2. Mahesh Latte -Analysis of Key Supply Chain Drivers in Medium & Small scale Industries (MSMES)



Title of the Programme: **Sustainable Supply Chain Issues and Challenges for the 21st Century**

Date of conduction : 31.10.2025

Departments of Mechanical Engineering sciences conducted the expert seminar

Background, Purpose, and Importance of the Expert Seminar:

As global supply chains become increasingly complex and interconnected, sustainability has emerged as a critical focus area. The 21st century poses unique challenges—such as climate change, resource scarcity, and rapidly evolving regulatory frameworks—that call for innovative and responsible approaches to supply chain management. This program is designed to address these pressing issues by offering participants valuable insights into the latest trends, best practices, and strategic frameworks for developing and managing sustainable supply chains.

Objectives of the Expert Seminar:

The program aims to enable students to understand the key sustainability challenges confronting modern supply chains, explore innovative solutions and best practices in sustainable supply chain management, and develop the necessary skills to implement and oversee sustainability initiatives effectively. Additionally, it seeks to foster a collaborative learning environment for sharing knowledge and experiences while enhancing awareness of regulatory requirements and global sustainability standards.



Faculty Achievements:

- 1) At the department research centre, under the guidance of Professor **Dr. C. M. Javalagi**, Research Scholar Mr. Mahesh Ratnappa Latti (2BA18PIP03), has obtained a Ph.D. Degree in “**Analysis of Key Supply Chain Drivers in Medium & Small scale Industries (MSMES),**” on 01-08-2025.
- 2) The Book “**Productivity Management of Apparel Industry in India - A Systems Perspective**” written by **Dr. S. M. Pharsiyawar** has been released on 02-06-2025 through LAP LAMBERT Academic Publisher.



- 3) **Dr. S. M. Pharsiyawar** visited B.V.S. Polytechnic, Bagalkote, on **24-02-2025**, and conducted a workshop on “**Out of Box Thinking for Problem Solving.**” He addressed the final-year students during the event and also participated as the Chief Guest of the ceremony.
- 4) **Dr. S. M. Pharsiyawar** delivered a lecture on “**Personality Development**” during the Career Guidance Program for 3rd Year students at B.V.S Polytechnic's on 25-09-2025.

