Hon'ble Dr. Patangraoji Kadam Saheb
Founder, Bharati Vidyapeeth

BLESSINGS

Bharati Vidyapeeth's
College of Engineering for Women, Pune

Accredited by NAAC with "A" Grade

Participation of women in technology is an important aspect in social and economic development of the nation. It is a critical constituent in the process of improving the quality of life of women themselves. When women have economic empowerment, it is a way for others to see them as equal members of society. Through this, they achieve more self-respect and confidence by their contributions to their communities. As women play key roles in social transformation, Hon'ble Dr. Patangraoji Kadam Saheb established Bharati Vidyapeeth's College of Engineering for Women, Pune in June 2000 with the vision, "Women empowerment through Technical Education" and provided opportunity to women for higher education in the field of technology. The institute was started exclusively for women and it is running with 100% women students. Establishing and running Women Engineering College really contributes to social transformation through dynamic education which is the vision of Bharati Vidyapeeth.

Bharati Vidyapeeth's College of Engineering for Women, Pune

Pune-Satara Road, Dhankawadi, Pune 411043
Recognized by AICTE, New Delhi, DTE Mumbai, Affiliated to Savitribai Phule Pune University
Accredited by NAAC with "A" Grade
Id No.: PU/PN/Engg./150/2000, DTE College Code: EN6285
Phone: (020)24371684, (020)24361732 Fax: (020) 24372210
Email: coewpune@bharatividyapeeth.edu, Website: http://coewpune.bharatividyapeeth.edu

Undergraduate Programme

Sr. No.	Course	Intake	Course Code
1	B.E. Artificial Intelligence and Machine Learning (AI & ML)	60	628592150F
2	B.E. Computer Engineering (CE)	180	628524550F
3	B.E. Electronics and Telecommunication Engineering (E & TC)	120	628537250F
4	B.E. Information Technology (IT)	60	628524650F

Post Graduate Programme

Sr. No.	Course	Intake	Course Code
1	M.E. (Computer Engineering)	12	628524550F
2	M.E. (E & TC-VLSI & Embedded System)	9	628534150F

Research Centre

Course
Ph.D.(Doctoral Program in Electronics and Telecommunication Engineering)

Vision:

- Women Empowerment through Technical Education

Mission:

- Develop women students to rise to their full potential.
- Impart knowledge and prepare competent engineers.

Special Features:

- Best Engineering College with an All India Rank of 61 in THE WEEK-HANSA Research Survey 2024, securing All India Rank 35 among private engineering colleges and an impressive West Zone Rank 11.
- Received "Best Women College of the Year 2019" Award.
- Recipient of "College of Substance" Award.
- The oldest engineering college "exclusively for women".
- All government scholarships are applicable for eligible students.
- Placement opportunities in multinational companies with 100% assistance.
- Excellent university results and tradition of consistent university rank holders.
- MOUs with reputed industries and academia.
- On campus hostel facility with 24 × 7 security.
- DTE approved e-Scrutiny centre for admissions.

Facebook: https://www.facebook.com/Bharati-Vidyapeeth-College-of-Engineering-for-Women-Pune-1599060517007121

Instagram: https://instagram.com/bvcoew_pune?igshid=ep1a85ikhj6s

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare
Bharati Vidyapeeth's
College of Engineering for Women
Dhankawadi, Tal. Haveli, Dist. Pune,
affiliated to Savitribai Phule Pune University, Maharashtra as
Accredited
with CGPA of 3.15 on four point scale
at A grade
valid up to October 24, 2029

Date : October 25, 2024

Director

35505

EC(SC)/222/2nd Cycle/MHCOGN100226

Principal's Message

Prof. Dr. Pradeep V. Jadhav

Principal

Dear Students, Parents, Alumni, and Esteemed Stakeholders,

Warm Greetings from Bharati Vidyapeeth's College of Engineering for Women!

It gives me immense pleasure to present Volume 8, Issue 1 of our e-newsletter "Blessings..." for the Academic Year 2025-26. As we begin this new academic journey following the memorable celebration of our Silver Jubilee year, we move forward with renewed enthusiasm, strengthened vision, and an unwavering commitment to excellence in technical education and women empowerment.

The beginning of this academic year has been marked by continued growth and academic expansion. This year, our institution introduced a new undergraduate program in Artificial Intelligence and Machine Learning (AI & ML) with an intake of 60 students, along with a postgraduate program in Computer Engineering with 12 seats. Additionally, the college has been recognized as a Ph.D. Research Centre in Electronics and Telecommunication Engineering under Savitribai Phule Pune University. We are also pleased to share that the institution has applied for recognition as a Ph.D. Research Centre in Computer Engineering, further strengthening our research ecosystem and academic capabilities.

This edition of the newsletter reflects the vibrant academic, technical, and research activities conducted during the semester. Workshops, seminars, expert lectures, industrial visits, and student-driven initiatives continue to enrich the learning experience and nurture innovation and leadership among our students.

I extend my sincere appreciation to Prof. Dr. Deepali Godse, the Editorial Board, and the Student Editorial Team for their dedicated efforts in compiling this edition.

Let us continue to work together with determination and innovation to make Bharati Vidyapeeth's College of Engineering for Women a vibrant center of excellence.

With best wishes for a successful academic year ahead.

Internal Quality Assurance Cell (IQAC)

IQAC Objectives:

- To imbibe quality environment at institute in all academic and administrative processes.
- To be instrumental in review of teaching learning process, structures, methodologies and student centric methods for achieving best educational environment.

Roles and responsibilities of IQAC:

- Keeping regular updates of NAAC and other quality improvement circulars.
- Conducting regular meetings of IQAC.
- Preparing Strategic plan of the institute.
- Preparation and submission of Annual Quality Assurance Report (AQAR) yearly.
- Maintaining academic records and conducting various audits at required intervals.
- Taking review of updating and updation of hardware and software requirements and internet facilities.
- Updating feedback forms as per guidelines from regulatory bodies.
- Providing guidelines for implementing ERP.
- Organizing various technical and nontechnical events.
- Preparation of reports of various activities for quality improvement.

Members List:

Sr. No.	Name of the IQAC Member	Designation	Position
1	Prof. Dr. P.V.Jadhav	Head of the Institute	Chairperson
2	Dr. K.D.Jadhav	Joint Secretary of Bharati Vidyapeeth	Member of Management
3	Prof. Dr. S.R Patil	HOD, E & TC Engineering	Teacher Representative
4	Prof. Dr. V. R. Pawar	Academic & Research Coordinator	Teacher Representative
5	Prof. Dr. S. M. Rajbhoj	Industry institute Interaction	Teacher Representative
6	Prof. Mrs. S. M. Thorat	Alumni Coordinator	Teacher Representative
7	Prof. Dr. S. P. Kadam	HOD, Computer Engineering	Teacher Representative
8	Prof. Mr. D. D. Pukale	Senior Faculty	Teacher Representative
9	Prof. Mrs. P. D. Kale	Placement cell Coordinator	Teacher Representative
10	Prof. Dr. D. A. Godse	HOD, Information Technology	Teacher Representative
11	Prof. Dr. K. A. Malgi	ICT & IT Infrastructure Coordinator	Teacher Representative
12	Prof. Dr. A. M. Pawar	HOD, Engineering Sciences and Allied Engineering	Teacher Representative
13	Mrs. Vaishali Kadam	Office Superintendent	Admin. Representative
14	Dr. V.M. Mohite	Librarian	Admin. Representative
15	Mr. Nityanand Prabhutendolkar	Chief Technical Officer, Ergen Technovation Pvt. Ltd.	Industry Representative
16	Mr. Sachin Jahagirdar	Parent	Parent Representative
17	Ms. Shital Patil	Alumna (IT)	Alumni Representative
18	Ms. Sakshi S. Kadam	Student (E & TC)	Student Representative
19	Prof. Dr. S. S. Chorage	Professor (E & TC)	Coordinator of the IQAC

From the Desk of Coordinator...

Prof. Dr. D. A. Godse
Newsletter Coordinator

Dear Stakeholders,

Greetings!

It is with great pride and a sense of deep responsibility that I present the latest edition of our e-newsletter. Published every semester in the revered memory of our founder, Hon. Dr. Patangraoji Kadam Saheb, this edition reflects the high-energy environment of our college as we continue to celebrate our Silver Jubilee year. This past semester has been a period of intense focus and remarkable progress, with every department working tirelessly toward our upcoming NBA accreditation visit. This collective effort shows our shared commitment to providing the best possible technical education for our students.

Innovation remains at the heart of our journey. We are excited to share that we have officially launched our new program in Artificial Intelligence and Machine Learning, a step that aligns our curriculum with the future of global technology. Furthermore, we are moving forward with our plan to establish a dedicated Research Center within the Computer Engineering department to encourage deeper inquiry and discovery. In line with the National Education Policy (NEP), we have successfully implemented the revised curriculum for our First and Second-year students, ensuring a modern and flexible learning experience.

Beyond the classroom, our campus has become a hub for global connection. We were honored to host several distinguished guests from abroad, opening new doors for international collaborations and giving our students a broader perspective on their careers. These interactions, combined with the various technical activities held at both the college and department levels, have truly enriched our academic culture.

I would like to express my sincere thanks to our Principal, Prof. Dr. Pradeep Jadhav, the Heads of Departments, and our dedicated faculty and staff for their hard work during this busy semester. My appreciation also goes to the editorial team for putting this newsletter together and to our enthusiastic students who make these achievements possible. Most importantly, we thank you, our stakeholders, for your steady support over the last 25 years. We look forward to reaching even greater heights together as we continue to empower women through technical excellence.

Department of Electronics and Telecommunication Engineering

Vision

To develop women professionals to become a valuable resource for industry and society through E&TC Engineering.

Mission

- *To provide quality and value based education for women in the field of E&TC Engineering.*
- *To train women to keep pace with rapidly changing technological needs of industry and research.*

Program Educational Objectives (PEOs)

- *Ability to apply electronics knowledge, to identify formulates and solve Engineering problems.*
- *Acquire knowledge to find out workable solutions in the field of Telecommunication.*
- *Exhibit programming skills with the use of various software tools.*
- *Inculcate continuous learning through interdisciplinary approach.*

Program Outcomes (POs)

On completion of the program graduate will be able to

1. ***Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.*
2. ***Problem analysis**: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.*
3. ***Design/development of solutions**: Design solutions for complex engineering problems and: design system components or processes that meet the specified needs with appropriate*

consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. ***Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.*
5. ***Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.*
6. ***The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.*
7. ***Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.*
8. ***Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.*
9. ***Individual and teamwork**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.*
10. ***Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.*
11. ***Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.*
12. ***Life-long learning**: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.*

Program Specific Outcomes (PSOs)

The graduate will be able to

1. *Give techniques and solutions by using acquired knowledge and skills.*
2. *Design and develop Electronics & and telecommunication-based systems.*
3. *Create, select and adapt techniques, resources and tools with understanding of associated limitations.*
4. *Identify and address their own needs in the changing world through lifelong learning.*

HOD's Message

Prof. Dr. S. R. Patil

Head of Electronics and Telecommunication Engineering Department

I am delighted to extend my heartfelt greetings to all stakeholders associated with Electronics and Telecommunication Engineering department. It is a pleasure to connect with you through newsletter and share the recent academic and professional developments of the Department. This newsletter serves as a reflection of our continuous efforts, achievements, and commitment towards academic excellence and professional growth.

Our department continues to progress steadily by focusing on quality education, skill development, and practical exposure. This academic year, we have also established a Research Centre to promote research and innovation through PhD program. We emphasize experiential learning through laboratory work, projects, internships, and industry-oriented activities that enhance students' technical competence and confidence. Special efforts are taken to nurture critical thinking, problem-solving abilities, and ethical values among our learners.

We have recently completed the NBA accreditation process, which marks an important step towards strengthening our academic practices and outcome-based education framework. This process has encouraged systematic planning, effective implementation, and continuous evaluation of our academic programs. We are hopeful and confident as we await the results, knowing that these efforts have further strengthened our quality assurance mechanisms.

While our earlier NAAC accreditation remains a strong foundation, our present focus is on continuous improvement, curriculum enrichment, and industry-relevant training. We regularly review our teaching-learning methods to ensure alignment with technological advancements and societal needs. Through regular academic activities, industry interactions, and student-centric initiatives, we strive to prepare our learners for emerging technological challenges.

Our department values the collective efforts of students, faculty members, alumni, and industry partners in achieving academic excellence and professional growth. Their constant support, cooperation, and guidance motivate us to perform better every day. I encourage you to explore this newsletter to learn more about our recent accomplishments, innovative practices, and future plans.

I would like to conclude with the inspiring words of Dr. A. P. J. Abdul Kalam: **"Excellence is a continuous process, not an accident."**

International Conference on Recent Trends in Science, Technology and Management (ICRTSTM) 2025

Unveiling of the Conference Proceedings during the Second International Conference on Recent Trends in Science, Technology and Management (ICRTSTM 2025).

Bharati Vidyapeeth's College of Engineering for Women (BVCOEW), Pune, successfully organised the Second International Conference on Recent Trends in Science, Technology and Management (ICRTSTM) 2025 on 30th June and 1st July 2025, in association with RSP Conference Hub, Coimbatore, Tamil Nadu. The conference was organised by the Department of Information Technology and conducted in hybrid mode, enabling wide national and international participation.

Inauguration Ceremony and Dignitaries

The conference commenced with a dignified inaugural Ceremony, graced by eminent academicians, administrators, and industry leaders. The Chief Guest, Hon'ble Prof. Dr. Parag Kalkar, Pro Vice-Chancellor, Savitribai Phule Pune University, Pune, emphasised the importance of interdisciplinary research, innovation, and global academic collaboration in addressing contemporary technological challenges.

The ceremony was further honoured by distinguished Guests of Honour including Hon'ble Dr. Asmita R. Jagtap, Executive Director, Bharati Vidyapeeth Medical Foundation, Pune; Hon'ble Prof. Dr. K. D. Jadhav, Joint Secretary, Bharati Vidyapeeth, Pune; Hon'ble Mrs. Asmita Murar, Vice President – Strategy and Transactions, EY-Parthenon; and Hon'ble Dr. M. S. Sagare, Joint Secretary, Bharati Vidyapeeth, Pune. Their presence added immense academic and professional value to the event.

The conference was organized under the leadership of the Convener, Prof. Dr. Pradeep V. Jadhav, Principal, BVCOEW, Pune. The event was efficiently coordinated by the Co-conveners, Dr. Vijaya Pawar and Dr. Ketaki Malgi.

Conference Highlights

ICRTSTM 2025 received an overwhelming response, with 132 teams participating from over 10 countries, including Australia, Egypt, Oman, Indonesia, Nigeria, Iraq, Malaysia, Japan, Turkey, the Philippines, the USA and Vietnam, along with participation from 20 states within India. Researchers from 29 reputed universities and 63 colleges contributed to the conference. The conference aimed to bring together entrepreneurs, academicians, research scholars, and postgraduate students to exchange innovative ideas, share research findings, and discuss practical challenges and solutions in interdisciplinary domains.

Keynote Addresses

The conference featured renowned keynote speakers from India and abroad, who shared valuable insights on emerging research trends and industry practices:

• Dr. A. S. A. Ferdous Alam, School of Business Management, Universiti Utara Malaysia – Empowering Leadership in the AI-Driven Workplace.

• Dr. Kalai Selvan Arumugham, School of Education, Universiti Utara Malaysia – Holistic Assessment in Current Education.

• Dr. Monica Bhutani, Associate Professor, BVCOE New Delhi & Research Associate, Lincoln University, Malaysia – Role of Artificial Intelligence in Research.

• Dr. Hrishikesh Rao, UX Researcher, NewHaptics, USA – Building UX Research Practices on Big Databases with LLM Integration.

• Dr. Suhas Alkunte, Indiana State University, USA – Mechanical Characterization of Functionally Graded Materials

• Dr. Abhijeet Mali, University of North Carolina, Greensboro, USA – High-Performance Sustainable Polymer Composites for Engineering Applications.

• Dr. Praveen Bidare, Senior Lecturer, Advanced Manufacturing, Sheffield, UK – Hybrid Manufacturing: A Viable Option for Future Manufacturing Needs.

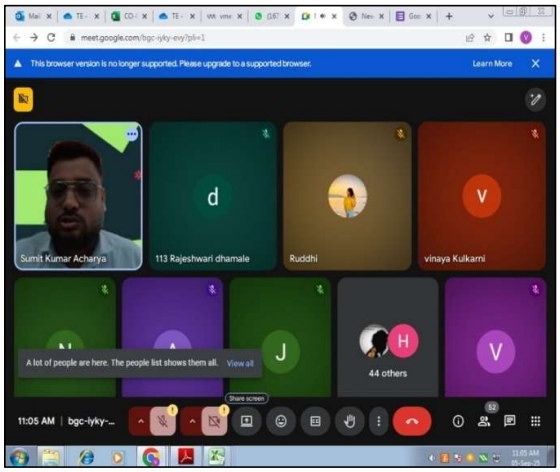
Technical Sessions and Awards

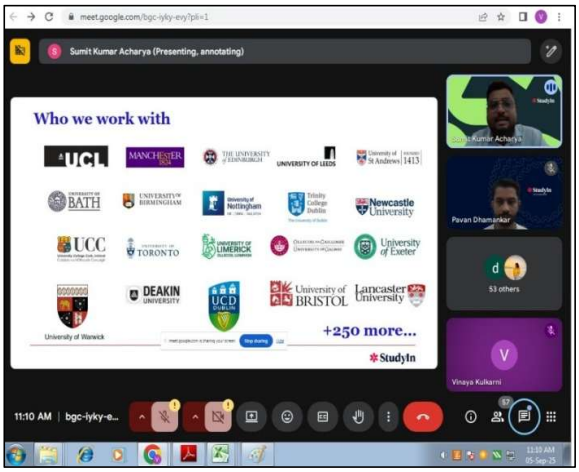
A total of 08 oral presentation sessions were conducted under the guidance of experienced conference chairpersons from reputed institutions across India. 132 research abstracts were presented and classified into six focused research areas.
The best presentations were selected under the UG, PG, Research Scholar, and Faculty categories and were evaluated using a structured rubric to ensure academic rigor and transparency.

Conclusion

The organizing committee extended sincere gratitude to all authors, keynote speakers, reviewers, session chairs, and participants for their valuable contributions. Special thanks were extended to the RSP Conference Hub for publishing the conference proceedings.

Institute Level Activities





A session on "Higher studies & work opportunities Abroad" on 05/09/2025

A session on "How to Prepare for Competitive Exams" on 08/09/2025

A session on "The Importance and preparation of the GATE Examination" on 13/09/25

One to One Counselling Desk for Higher Studies Abroad on 08/10/25

A Session on "From Blueprints to Backlogs: How Engineers Are Redefining Project Leadership" conducted on 30/01/26

Dr. Yogesh Pawar,Dr. Prakash Sharma, Ms. Mansi Bankar (HR Fevino Industries), Mr. Karan Anturkar, Seema Sawant, Mr. Sameer Anturkar and Mr. Vijay Patil conducted a workshop on "Internship & On the Job training Awareness" funded by QIP, SPPU, Pune on 25th August 2025 in presence of Prof. Dr. Pradeep V. Jadhav(Principal),Prof.Dr. S. M. Rajbhoj (IIC Coordinator), Prof. V. D. Kulkarni and Prof. A. V. Akalwadi.

IEEE Student Branch Inauguration – Inaugurated in the presence of Prof. Dr. Amar Buchade, Chair, IEEE Pune Section, Prof. Dr. Pradeep V. Jadhav, Principal, BVCOEW, Pune

MATLAB: Artificial Intelligence Applications in Image, Signal and Text Processing – Delivered by Mr. Ankit Kumar on 24 July 2025.

Motivational Session – Delivered by Mr. Raghvan Koli Author, Engineer, and Motivational Speaker on 7 October 2025

Volunteer Training Activity – Conducted by Mr. Kush Jain Chair, IEEE Student Branch BV(DU)COE, Pune Mr. Shubham Deep Singh Vice-Chair, EMBS Chapter BV(DU)COE, Pune on 11 September 2025.

WebCraft (No Code Edition) – An Innovative Competition – Organized on 29th September 2025

IEEE Membership Drive – Conducted by Ms. Swarali Gosavi, Chair BVCOEW, Pune and Ms. Sakshi Nadgam Vice-chair BVCOEW, Pune on 16th October 2025.

Heartiest congratulations to Ms. Snehal Nigade (Alumni, Batch 2013, E&TC Engineering Department) on her remarkable achievement of being selected as Deputy Superintendent of Police (Dy. S.P.)

Industrial Visit conducted under Startup Cell in Ergen Technovation Pvt. Ltd. Pune on 1st October 2025 in due presence of Prof. Dr. S. R. Patil(HOD-E&TC Engg.),Prof. Dr. S. M. Rajbhoj, Prof. V. P. Mulik (Startup Cell Coordinator) , Prof. A. P. Yadav and Ergen Dignitories.

"Avishkar 2025 College level Project Competition " was held on 10th September 2025.The Judges for the competition ,Prof. Dr. V. R. Bairagi (AISSMS,Pune) and Mr., Ketan Divekar(Geminous Tech Pvt. Ltd.) was graciously felicitated at the hands of Prof. Pradeep V. Jadhav (Principal) in presence of Prof. Dr. S. R. Patil,(HOD -E&TC),Prof. Dr. D. A. Godse(HOD-IT),Prof. Dr. S. P. Kadam(HOD-Comp.), Prof. Dr. V. R. Pawar, Prof. Dr. K. B. Naik, Prof. Dr. S. A. Dhole and Prof. S. B. Karande.

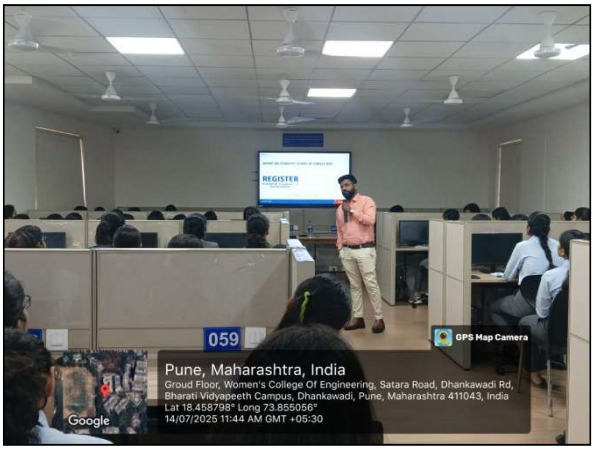
A One Week STTP on "Generative AI A Comprehensive Approach to Research Writing, Proposal Development, and Funding" conducted by Dr. Debabrata Samanta (Program Head & Assistant Professor, Rochester Institute of Technology, Republic of Kosovo), Dr. R. Sujithra (Assistant Professor, School of Computer Science and Engineering, VIT Chennai, India.),Dr. Vani Vasudevan(Professor, Department of Computer Science and Engineering, NItte Meenakshi Institute of Technology, NItte University, Bangalore campus, India.),Dr. Amitava Choudhury (Assistant Professor, Department of Computer Science and Engineering, Pandit Deendayal Energy University, Gandhinagar, India) and Dr Seema(Associate Professor ECE Department, Faculty of Engineering & Technology SGT University, Gurugram) was successfully organized by the Research Cell of Bharati Vidyapeeth's College of Engineering for Women from 4th August 2025 to 8th August 2025.

MoU with IPIS, Pune
Dr. Mahesh M. Jadhav, Principal, Prof. Dr. Pradeep Jadhav, Prof. Dr.Sharada Kore, IPR coordinator, E&TC, BVCOEW, Pune 19/9/2025

Seminar on IPR Awareness

Mr. A. A. Roy, Lex Regia, Nagpur, HoD E&TC dept., Prof. Dr. S. R. Patil, Prof. Dr. Sharada Kore, IPR Cell coordinator, E&TC, BVCOEW, Pune on 19/9/2025

An exclusive session on the "Be Future Ready with Azure cloud!", by Mrs. Pooja Sharma, Senior specialist data engineer and Ms. Kaushiki Campus Recruiter, LTI Mindtree, on 18th July 2025



An exclusive session on the "AAKRUTI Innovation Competition 2025 – Global Edition", by Mr. Suraj Gajbhiye (R&D CATIA QE Specialist) and Mr. Shubham Arora (Industry Process Consultant & Community Manager), Dassault Systèmes, on 14th July 2025.

Campus Engagement Program conducted by Mrs. Akanksha Sharma - Sr Executive – Hrbp, Mrs. Ishani Zalte - Executive Talent Acquisition, Mr. Rajesh Sharma - VP, Technology Neilson IQ, on 25th August 2025

Major Technical Activity

Hands-on workshop on Intelligent Embedded System for IOT

Hands on Workshop on "Intelligent Embedded System for IOT" by Mr C. P. Mahajan (Founder & CEO of Dolphin Labs) from 21st July 2025 to 26th July 2025 for BE E&TC students.

A six-day workshop on "Intelligent Embedded System for IOT" was successfully conducted to provide B. E. students with practical knowledge and hands-on experience in embedded systems and smart technologies. The main objective of conducting this workshop was to enhance students' technical skills and familiarize them with real-world IOT applications. Principal, Prof. Dr. Pradeep V. Jadhav inspired the participants to actively participate, utilize the opportunity to the fullest, and seek clarification on their doubts.The workshop was successfully conducted under the valuable guidance and support of Prof. Dr S. R. Patil, Head of the Department and coordinated by Prof. Y. R. Dhumal, Prof. Dr S. S. Salunkhe, and Prof. S. A. Itkarkar, Head of the Department in association with Mr C. P. Mahajan, Founder & CEO of Dolphin Labs. Their continuous encouragement and effective coordination contributed significantly to the successful organization and smooth execution of the program.

On Day 1, participants were introduced to IOT fundamentals and basic Arduino programming, including sensors, actuators, and connectivity. Day 2 focused on electronic components and motor control using Pulse Width Modulation (PWM). Day 3 covered communication protocols and sensor interfacing with real-time data display, helping students understand data transmission and processing. Day 4 emphasized IOT connectivity using ESP modules and cloud platforms such as Thing Speak and Blynk, along with important security concepts to ensure safe data communication.

Day 5 focused on application-based projects such as smart home automation, temperature-controlled fans, and motion alert systems. Day 6 involved mini-project development, presentations, and evaluations, followed by certificate distribution. The workshop successfully combined theoretical knowledge with practical training. It enhanced students' technical competence, confidence, creativity, and problem-solving abilities. Overall, the program provided a balanced blend of theory and practice, enhancing students' technical competence, confidence, and motivation for advanced studies and industry-oriented IOT applications.

Technical Activities

SE: Seminar on "Advanced Data Structure" by **Mr Nagesh Mhetre** (Click In Computer) on 9th June 2025.

SE, TE: Seminar on "Placement and higher studies opportunities through GATE & other exams" by **Mr Paresh Gugale**(Imperial Institute of ExcellenceI2E) on 22nd June 2025.

TE: Seminar on "Hands on workshop on AI for Image, Signal,& Text Processing Using MATLAB: Applications" by **Mr. Ankit Kumar**, (Design Tech Systems Pvt. Ltd.)On 24th June 2025.

BE: Seminar on "AWS Opportunities" by Mr**. Vishram Thatte** (AWS Pune) on 25th September 2024.

TE: Seminar on "Employability skill Development" by Mr. Guru Kulkarni (Zensar) on 26th September 2024.

SE: Seminar on "Seminar on The Blueprint of Success for Engineers" by Mr. Raghvan Koli on 7th October 2025.

Parent's Article

From Chalkboards to Chatgpt: An Inspiring Journey for Today's Engineering Students

The evolution of engineering education from the early 2000s to today has been extraordinary. In just two decades, technology has reshaped how we learn, work, and innovate. For today's students, understanding this transition is more than a history lesson — it is a powerful reminder of how opportunity, access, and responsibility have expanded together. Around the year 2000, academic resources were limited and difficult to access. Textbooks were the primary source of knowledge, yet even after consulting multiple authors, students often struggled to fully cover their syllabus. For missing concepts, we depended heavily on classroom lectures, handwritten notes, and library references.

The internet existed, but it was slow, expensive, and unreliable. Regular access was a privilege, not a guarantee. Search engines were still developing, online academic content was scarce, and digital learning platforms were almost non-existent. Most online use was restricted to basic browsing and email. Independent learning opportunities were limited, global exposure was minimal, and academic progress often depended more on resource availability than on individual potential.

Career paths in engineering were also relatively rigid. Professional roles followed fixed, domain-specific trajectories. Specialization options were narrow, and switching fields was uncommon. Growth relied primarily on years of experience rather than continuous up skilling. Innovation cycles were slower, and technological disruption occurred at a measured pace. Today's students live in a completely different landscape — a golden age of accessibility and empowerment. Learning is supported by digital libraries, online courses, recorded lectures, simulations, and interactive tools. Artificial intelligence platforms such as Chatgpt and intelligent tutoring systems provide instant conceptual clarity, coding assistance, and structured guidance. High-speed internet connects students to global research, international collaboration, and world-class education. Learning has become personalized, flexible, and continuous. The professional world has expanded just as dramatically. Advances in artificial intelligence, data science, cloud computing, cyber security, renewable energy, robotics, and biotechnology have created vast new career possibilities. Engineers today can move across industries, combine disciplines, launch start-ups, and contribute to global innovation. With this opportunity comes responsibility. Access to powerful tools must be matched with discipline, ethical awareness, and self-driven growth. Curiosity, resilience, and adaptability are no longer optional — they are essential qualities. Future engineers must balance technical excellence with empathy and social responsibility, ensuring that innovation benefits society as a whole. The journey from chalkboards to Chatgpt represents more than technological progress; it reflects the expansion of human potential. Today's students are equipped to dream bigger, explore deeper, and innovate faster than any generation before them. By embracing learning and maintaining a growth mind-set, they can transform knowledge into meaningful impact. The future belongs to those who imagine boldly, experiment courageously, and persist with determination. May every student seize this moment, unlock their potential, and help shape the world.

Mr Anil Patil
Associate Vice President
Mphasis, Pune
Parent of Ms. Nisha Patil(BE,E&TC)

Employer's Article

Powering Greener Tomorrow: Sustainability & Innovation

Sustainability is reshaping the global power sector, and the switchgear industry is no exception. As businesses and infrastructure projects move toward cleaner energy and stronger ESG commitments, environmentally responsible electrical solutions are becoming essential.

Across the world, the demand for greener electrical infrastructure is increasing.

Key focus areas include:

- *Alternatives to high-emission insulating technologies.*
- *Energy-efficient electrical panel design.*
- *Reduced material waste and improved recyclability.*
- *Long-life equipment that minimizes environmental impact.*

With India's rapid expansion in renewable energy, smart cities, and industrial electrification, sustainable switchgear plays a critical role in enabling reliable and responsible power distribution.

Approach to Sustainable Engineering

Eco-conscious insulation solutions *help reduces environmental risks while maintaining high safety standards.*
Energy-efficient panel configurations *optimize busbar layouts and component selection to reduce transmission losses and improve thermal performance.*
Durable and recyclable materials *are prioritized to ensure longer product life cycles and easier end-of-life material recovery.*

By combining performance with responsible engineering, we help our clients reduce operational energy losses and support their environmental objectives. we can build power systems that are not only efficient and reliable but also aligned with the vision of a cleaner, greener future.

Mr Sukumar Badave
Director,
HTS Switchgear, Pune

Alumna's Article

AI-Powered Chip Design: A New Direction for VLSI and Embedded Systems

The world of electronics is changing rapidly. Chips are becoming smaller, faster, and more complex, but designing them has always been a time-consuming and difficult process. Engineers now face the challenge of handling millions of transistors in a single chip, and traditional methods are no longer enough. To solve this, new design tools are being developed that use intelligent automation to make the process faster and more reliable. This trend is often called AI-powered chip design, and it is shaping the future of VLSI and embedded systems.

Smarter Way to Design Chips: Chip design involves several steps: planning the layout, verifying the circuits, and testing performance. Each step requires precision and can take months to complete. With automated design tools, many of these tasks can be done more quickly.

- Layouts can be generated automatically, saving time.
- Errors can be detected earlier, reducing costly mistakes.
- Designs can be optimized for speed and lower power consumption.
- This means chips can be produced faster and with better quality, which is important for industries that depend on reliable electronics.

Why This Trend Matters

Today, embedded systems are everywhere — in smartphones, cars, medical devices, and even household appliances. These systems need chips that are efficient, safe, and long-lasting. Automated chip design helps meet these needs by reducing design time and improving performance. It also supports the growing demand for low-power devices, especially in IOT (Internet of Things) applications where battery life is critical.

Opportunities for Students

For postgraduate students in VLSI design and embedded systems, this trend opens up exciting opportunities. Learning how to use modern design tools can prepare students for careers in semiconductor companies and research labs. Areas like low-power design, hardware security, and system-on-chip development are becoming more important, and students can contribute to these fields through projects and research.

AI-powered chip design is not just a new tool — it represents a major shift in how chips are created. By combining automation with traditional VLSI techniques, engineers can build circuits that are faster, safer, and more efficient. For students, this is a chance to be part of a growing field that will define the future of electronics and embedded systems.

Miss Neha Bhosale
(2025 Batch Alumna)
Pursuing Post Graduation in VLSI-Embedded Systems
Graduate Engineer Trainee
UNO MINDA

Faculty Achievements

Felicitation of Principal Dr. Pradeep Jadhav on his Selection as Director of Bharati Cooperative Bank, Pune

Dr. Pradeep Vitthal Jadhav, Principal of Bharati Vidyapeeth's College of Engineering for Women, Pune, was felicitated on the occasion of his selection as Director of Bharati Cooperative Bank, Pune. The felicitation ceremony was marked by warmth and dignity, reflecting the respect he commands in academic and professional circles.

On this occasion, Hon. Dr. Asmitatai Jagtap and Hon. Dr. Vishwajeet Kadam congratulated Dr. Jadhav and conveyed their best wishes as he assumes this important responsibility. The felicitation recognised his visionary leadership, administrative acumen and long-standing contribution to the field of education, while expressing confidence that his experience and values will play a significant role in strengthening the growth and progress of Bharati Cooperative Bank.

On 15th May 2025, Principal Prof. Dr. Pradeep Jadhav received the Principal of the Year Award for Institutional Excellence at the 8th HEIT Summit and Awards in Pune, honouring his visionary leadership and commitment to academic quality, innovation, and institutional growth.

- Honoured with the **NextGen Research Award 2025**.
- Selected as an awardee by KTK Outstanding Achievers and Education Foundation for the prestigious **"Legendary Icon of India –Award-2025 with "Gold Medal"** and Certificate of Excellence.

Bharati Vidyapeeth's College of Engineering for Women, Pune, has signed a three-year Memorandum of Understanding with Nha Trang University, Vietnam, in the presence of Prof. Dr. Pham Quoc Hung and Principal Dr. Pradeep Vitthal Jadhav, paving the way for student and faculty exchange, joint research, and academic collaboration.

- International Award:- Bharati Vidyapeet's College of Engineering for Women received The Best Educational Institute Award – 2025 by Nha Trang University, Vietnam.
- Prof. Dr. Pradeep V. Jadhav received "The Principal of the Year Award for Institutional Excellence" during 8th Higher EducationInnovation & Technology Summit & Awards.
- Prof. Dr. Pradeep V. Jadhav honoured as "Higher Education Leader of the Year 2025" by University Leaders Forum, Simplilearn.

Dr. Gauri Patil Represents India at International Sport Science Conference in Vietnam

Dr. Gauri Gajanan Patil, Director of Sports and Physical Education at Bharati Vidyapeeth's College of Engineering for Women, Pune, represented India with distinction at the International Conference on Sport Science 2025, held in Vietnam on 12 and 13 June 2025. The conference was organised around the theme "Technology, Sustainability and Comprehensive Health in Sport" which brought together leading experts, researchers and educationists from across the globe.

At this prestigious forum, Dr. Gauri Patil presented her insightful research paper titled "Role of IPL Cricket in Increasing Sports Economy of India through Commercialisation." Her presentation received widespread appreciation for highlighting the powerful intersection of sports, commerce and national development. She discussed how the Indian Premier League (IPL) has become a catalyst for economic growth by generating employment, encouraging infrastructure development, boosting tourism, engaging youth and creating opportunities across allied industries. Her research also explored how IPL has inspired the formation of similar leagues in sports like kabaddi, football and hockey, ultimately contributing to the growth of a multi-sport ecosystem in the country.

This international recognition was made possible due to the consistent guidance and encouragement extended by Prof. Dr. Pradeep Jadhav, Principal of the college, along with the valuable support of the Vice Principals and the wholehearted cooperation of all teaching and non-teaching staff members. Their academic leadership and teamwork created an environment where international excellence could be nurtured and celebrated.

The success of this presentation also reflects the visionary leadership of Bharati Vidyapeeth's top management. Hon. Dr. Vishwajeet Kadam, Secretary of Bharati Vidyapeeth and Pro Vice-Chancellor of Bharati Vidyapeeth Deemed to be University, has always championed international exposure and academic empowerment for faculty and students alike. His forward-thinking initiatives have strengthened the institution's global academic presence. The esteemed Chancellor of the University, Hon. Dr. Shivajirao Kadam, Chancellor Bharti Vidyapeeth Deemed to be University Pune, continues to be a source of guidance and wisdom, upholding Bharati Vidyapeeth's legacy of educational and cultural excellence.

Dr. Asmita Jagtap, Executive Director of Bharati Vidyapeeth Health Sciences, Pune, has played a vital role in integrating health awareness, sports development and holistic education across all campuses. The support and encouragement from Hon. Vijayamala Kadam, Chairperson of Bharati Vidyapeeth's School Committee, have helped inculcate sporting spirit and discipline from the foundational level. The dedicated involvement of Hon. Dr. K. D. Jadhav, Joint Secretary of Bharati Vidyapeeth, has further empowered such academic initiatives, creating a platform for research and representation at international levels.

Dr. Gauri Patil's contribution at the conference is not only a matter of pride for Bharati Vidyapeeth's College of Engineering for Women, Pune, but also a moment of national significance. It symbolises how academic research in sports science can intersect with economic strategy to uplift national potential and global visibility.

This achievement stands as a testimony to Bharati Vidyapeeth's commitment to excellence in sports, research and education. The institution continues to inspire individuals who are capable of creating a global impact through scholarship, leadership and innovation.

Achievements

Faculty Achievements

Prof. Dr. S. R. Patil

A Candidate completed Doctorate of Philosophy under his guidance in "An intelligent approach for optimization of energy management in smart Micro grid" from SPPU on 13 Nov 2025.

Prof. Dr. S. S. Chorage

A Candidate completed Doctorate of Philosophy under her guidance in "Parametric Analysis of Multifunctional reconfigurable antenna array for future wireless communication" from SPPU on 08 Oct 2025.

Prof. Dr. V. R. Pawar

A Candidate completed Doctorate of Philosophy under her guidance in "Development of Emotion recognition techniques using facial expression method and sensor based methods" from SPPU on 02 July 2025.

Prof. Dr. S. A. Itkarkar

Appointed as NSS District Coordinator by NSS, Savitribai Phule Pune University in December 2025.

Prof. Dr. S. A. Dhole

A Patent published on the topic "Portable AI-Integrated Terrain-Adaptive Hazard detection apparatus for electrified railway safety" with application no 202521096815 on 08 October 2025.

Prof. Dr. S. M. Jagdale

A Patent published on the topic "Portable AI-Integrated Terrain-Adaptive Hazard detection apparatus for electrified railway safety" with application no 202521096815 on 08 October 2025.

Prof. Dr. K. R. Chaudhari

Successfully completed the degree of Doctor of Philosophy in the topic "Machine Learning system for Nuchal Translucency Thickness Measurement" under the guidance of Prof. Dr. Shruti Oza offered by Bharati Vidyapeeth's (Deemed to be University) on 10 June 2025.

Prof. Dr. S. S. Salunkhe

A Patent published on the topic "Portable AI-Integrated Terrain-Adaptive Hazard detection apparatus for electrified railway safety" with application no 202521096815 on 08 October 2025.

Prof. Dr. S. S. Jadhav (ES & AE)

A Design Patent published on the topic "Smart AI-Powered Electro-Catalytic Textile Effluent Treatment Reactor (ETETR)" with application no 485107-001, CBR Number: 228621 on25 December 2025.

Placements from June 2025 to December 2025

Sr. No.	Name of the Student	Company	Sr. No.	Name of the Student	Company
1	Gayatri Ashok Thorat	Atlas Copco	15	Pratiksha Dinesh Dhumane	Infosys
2	Kanchan Dhananjay Kendre	Atlas Copco	16	Sneha Sunil Devshette	Vanderlande
3	Nisha Shekhar Dhotre	Bny Mellon Internship	17	Tanvi Rahul Doshi	Vanderlande
4	Saee Hemant Patil	Bny Mellon Internship	18	Savari Sandipan Kale	Vanderlande
5	Srushti Santosh Shirke	Atlas Copco	19	Kajal Shivaji Rokade	Uno Minda
6	Sophiya Nijamuddin Inamdar	Airtel	20	Siddhi Umesh Jaiswal	Capgemini
7	Paalvi Anil Ninawe	Airtel	21	Revati Ravindra Mungse	Capgemini
8	Manasi Sachin Surangalikar	Airtel	22	Anushka Rajendra Nigade	Cummins India Internship
9	Riddhi Pravin Gole	Airtel	23	Sakshi Ganesh Khamkar	Amdocs
10	Sanika Vaibhav Tarkunde	Airtel	24	Amruta Rokade	Amdocs
11	Diksha Dayanand Gunje	Airtel	25	Jagtap Shraddha Siddharth	Amdocs
12	Sakshi Vasantrao Aher	Airtel	26	Shrushti Vasant Paimode	Amdocs
13	Aishwarya Ganesh Chavan	Capgemini	27	Sneha Ramvijay Akote	Amdocs
14	Nandita Deepak Patil	Infosys			

Our Esteemed Recruiters

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