



**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@bharatividyaapeeth.edu, Website: <http://coewpune.bharatividyaapeeth.edu>

## Undergraduate Programme

Sr. No.	Course	Intake	Course Code
1	B.E. Electronics and Telecommunication Engg. (E & TC)	120	628537250F
2	B.E. Computer Engg. (CE)	120	628524550F
3	B.E. Information Technology (IT)	60	628524650F

## Post Graduate Programme

Sr. No.	Course	Intake	Course Code
1	M.E. (E & TC-VLSI & Embedded System)	09	628534150F

### Vision:

Women Empowerment through Technical Education

### Mission:

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

### Special Features:

1. Received "Best Women College of the Year 2019" Award.
2. Recipient of "College of Substance" Award.
3. The oldest engineering college "exclusively for women".
4. All government scholarships are applicable for eligible students.
5. Placement opportunities in multinational companies with 100% assistance.
6. Excellent university results and tradition of consistent university rank holders.
7. MOUs with reputed industries and academia.
8. On campus hostel facility with 24 x 7 security.
9. 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](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*

BC(SC)/222/2<sup>nd</sup> Cycle/MHCOGN100226

## Principal's Message



**Prof. Dr. Pradeep V. Jadhav**  
**Principal**

*Dear Students, Parents, and Stakeholders,*

*Greetings from BVCOEW, Pune!*

*I hope this message finds you in good health and high spirits. It brings me immense pleasure to share that BVCOEW is celebrating its Silver Jubilee this year, marking a significant milestone in our journey of providing quality education and fostering growth within our community. This accomplishment is a testament to our commitment to excellence and our continuous efforts to shape the future of our students.*

*We are excited to release the e-newsletter "Blessings..." Volume 7, Issue 1, for the Academic Year 2024-25. This edition is a wonderful reflection of the hard work and dedication shown by our students and faculty throughout the semester. It is an excellent platform that highlights the technical activities, achievements and academic pursuits that contribute to the holistic development of our students.*

*I am particularly proud of the numerous technical events organized during this period, which have provided students with opportunities for growth and development beyond the classroom. Participation in these activities plays a crucial role in enhancing their learning experience and shaping their future endeavors.*

*A heartfelt appreciation goes to the Coordinator, Prof. Dr. Deepali Godse, Chief Editors, and Editors for their unwavering commitment in making this e-newsletter a success. I also extend my warm wishes to the student editorial team for their outstanding contributions. The success of this e-newsletter is a result of exceptional teamwork, which we strongly believe is the key to achieving great accomplishments.*

*Let us continue to work together to ensure that our institution remains a hub of knowledge, innovation, and creativity.*

## 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	Dr. S. F. Patil	Executive Director of Bharati Vidyapeeth	Member of Management
4	Prof. Dr. S.R Patil	HOD, E & TC Engineering	Teacher Representative
5	Prof. Mrs. Khot S.T	Training cell Coordinator	Teacher Representative
6	Prof. Dr. V. R. Pawar	Academic & Research Coordinator	Teacher Representative
7	Prof. Dr. S. M. Rajbhoj	Industry institute Interaction	Teacher Representative
8	Prof. Ms. K.D.Mahajan	Alumni Coordinator	Teacher Representative
9	Prof. Mr. D. D. Pukale	HOD, Computer Engineering	Teacher Representative
10	Prof. Mrs. P. D. Kale	Placement cell Coordinator	Teacher Representative
11	Prof. Dr. D. A. Godse	HOD, Information Technology	Teacher Representative
12	Prof. Dr. K. A. Malgi	ICT & IT Infrastructure Coordinator	Teacher Representative
13	Prof. Dr. A. M. Pawar	HOD, Engineering Sciences and Allied Engineering	Teacher Representative
14	Mrs. Vaishali Kadam	Office Superintendent	Admin. Representative
15	Dr. V.M. Mohite	Librarian	Admin. Representative
16	Mr.NityanandPrabhutendolkar	Chief Technical Officer, ErgenTechnovationPvt. Ltd.	Industry Representative
17	Mr. Sanjaykumar Gupta	Parent	Parent Representative
18	Ms. Shital Patil	Alumna (IT)	Alumni Representative
19	Ms. Khushi Mittal	Student (E & TC)	Student Representative
20	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,*

*Wish you all a very happy, healthy, and fulfilling year ahead!*

*We are delighted and proud to share that Bharati Vidyapeeth's College of Engineering for Women has been accredited with an "A" grade in NAAC Cycle 2 during our Silver Jubilee Year. We remain fortunate to have the blessings of our honorable founder, Dr. Patangraoji Kadam Saheb, forever.*

*This "A" grade accreditation is the result of the sincere efforts of our students, faculty, staff, and the immense support of our management and stakeholders, driven by our vision of "Women empowerment through technical education."*

*It is my great pleasure to welcome you to this edition of our semester-wise e-newsletter.*

*In the last semester, we organized several remarkable events, including an International Conference, Symposia, and an IIT-sponsored workshop, fostering an innovative and research-oriented environment alongside academic activities. We also celebrated the arrival of our newly joined first-year students in a grand way during the Silver Jubilee Year. You will find glimpses of all these events in this edition of the e-newsletter.*

*I extend my heartfelt gratitude to our Principal, Prof. Dr. Pradeep Jadhav, Heads of Departments, faculty, staff, and beloved students for their active participation and contributions to these events. I also truly admire the dedicated efforts of the editorial team members who compiled this e-newsletter with such enthusiasm.*

*Lastly, we are deeply grateful to all our stakeholders for being an integral part of our 25-year journey. I firmly believe that "The journey often becomes more enjoyable when you focus less on the destination."*

# 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 modelling 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**

*It gives me immense pleasure to welcome you to the e-newsletter of our department's newsletter. As we step into another chapter of excellence, I am proud to share that our college has recently been awarded an A grade by the National Assessment and Accreditation Council (NAAC). This achievement is a testament to the unwavering dedication, hard work, and relentless efforts put forth by our esteemed faculty, staff, and students. It is a reflection of the high standards we consistently uphold in academic quality, infrastructure, and overall institutional growth.*

*At the Department of Electronics and Telecommunication Engineering, we constantly strive to foster an environment that encourages innovation, research, and holistic development. Our vision is to empower students with the knowledge and skills required to excel in the rapidly evolving fields of electronics and telecommunications, ensuring they are equipped to meet global challenges.*

*We are deeply committed to the betterment of all our stakeholders—students, faculty, industry partners, and alumni. Our faculty's relentless pursuit of academic excellence, the department's focus on practical learning, and our collaboration with various industries create an ecosystem that not only enhances the learning experience but also contributes to the professional growth of all involved.*


*I invite you to explore the highlights of college and department through this e-newsletter and celebrate our collective achievements. Together, we continue to shape a brighter, more successful future for the department and beyond. I would like to conclude this message with a quote from whom we all know as Father of Engineering, Sir Mokshagundam Visvesvaraya, "Work Hard, Work Harder, Work with efficiency, Work in cooperative spirit, Work with team spirit to make your country great, self-supporting and strong."*

## The International Conference on Recent Trends in Science, Technology, and Management (ICRTSTM-2024)



**Hon. Prof. Dr. Vivek Saoji, Hon. Prof. Dr. M. S. Sagare, and Principal Prof. Dr. Pradeep V. Jadhav gracing the occasion with their esteemed presence on Inaugural Ceremony of ICRTSTM-2024**

*The International Conference on Recent Trends in Science, Technology, and Management (ICRTSTM-2024), held on 28<sup>th</sup>-29<sup>th</sup> June 2024, was a landmark event organized by Bharati Vidyapeeth's College of*



*Engineering for Women, Pune. The conference embraced a hybrid format, facilitating both in-person and online participation.*

*The inaugural ceremony featured traditional rituals, the unveiling of the college's 25-year logo, and a speech by Prof. Dr. D. A. Godse, Head of Information Technology Department. Esteemed guests included Chief Guest **Hon. Prof. Dr. Vivek Saoji**, Vice Chancellor of Bharati Vidyapeeth Deemed to be University; Guests of Honor **Hon. Prof. Dr. Parag Kalkar**, Pro-Vice-Chancellor of SPPU; **Hon. Mrs. Swapnali Vishwajeet Kadam**, Chairperson of Bharati Vidyapeeth Rabindranath Tagore School of Excellence; **Hon. Prof. Dr. D. V. Jadhav**, Joint Director of Technical Education; and **Hon. Prof. Dr. M. S. Sagare**, Joint Secretary of Bharati Vidyapeeth. The guests were felicitated by Principal and Convener of the conference, Prof. Dr. Pradeep V. Jadhav.*

*Prof. Dr. Pradeep V. Jadhav, highlighted the college's journey toward academic excellence and innovation. He was felicitated by Prof. Sucheta Khot, co-convener of the conference. The inaugural session concluded with a vote of thanks by co-convener Prof. Dr. Vijaya Pawar.*

*Keynote speakers **Dr. Hrishikesh Rao**, UX Researcher, USA, **Dr. Vishwas Jadhav**, Process Engineer NOVA Thin Films Pharmaceuticals LLC USA, and **Dr. Utkarsh Ankalkhope**, Chief Technical Officer Excel 3D Advance Technology UK delivered insightful presentations on human-centered technology, advancements in nanotechnology, and innovative digital denture solutions respectively.*

*The second day of ICRTSTM-2024 featured engaging presentations and keynote sessions across disciplines such as Computer Engineering and E&TC Engineering, with 152 out of 235 article submissions presented by authors from 20 Indian states and 9 countries.*


*Keynote speaker **Mr. Santosh Kumar Kuchoor**, Senior Engineering Leader at Paloaltonetworks USA discussed cloud infrastructure lifecycle management. The conference concluded with a comprehensive report by Principal Prof. Dr. Pradeep V. Jadhav, participants' feedback, awards for best presentations, and a vote of thanks by Prof. S. R. God.*

## F.E. WELCOME PROGRAM

### 'Shubharambh' Student Induction at Bharati Vidyapeeth's College of Engineering for Women, Pune



**Chief Guests Police Inspector Mr. Dashrath Patil, along with the Damini Pathak representatives Ms. Diksha More and Ms. Neelima Jadhav on F.E. Welcome Program**



*The welcome ceremony for the first-year engineering students at Bharati Vidyapeeth's College of Engineering for Women, Pune was conducted with great enthusiasm on 28th September 2024.*

*The event featured prominent guests Police Inspector **Mr. Dashrath Patil**, along with the Damini Pathak representatives **Ms. Diksha More** and **Ms. Neelima Jadhav**, who graced the occasion with their presence.*

### ***Opening Ceremony***

*During the inauguration, the esteemed Principal, Prof. Dr. Pradeep Jadhav, addressed the students and motivated them with insightful words. He stated, "Acquiring knowledge is equivalent to giving shape to your dreams". His inspiring words instilled confidence and determination in the students. He extended best wishes for their academic journey and emphasized the importance of continual progress.*

*The chief guests—Mr. Dashrath Patil, Ms. Diksha More and Ms. Neelima Jadhav offered valuable guidance on ensuring personal safety and developing self-reliance. They encouraged the students to be empowered and maintain self-confidence.*

### ***Celebrating Achievements and Bonding***

*The event filled the students with renewed enthusiasm. They engaged in discussions about their goals and reflected on their potential. The achievements of exceptional first-year students and BE last year students who secured jobs were specially recognized and felicitated.*

*This unique event inspired students with a fresh zeal to prepare for their futures.*

### ***Code of Conduct Awareness Program***

*A key highlight of the induction was the Annual Awareness Program on the Code of Conduct, designed to familiarize students with the institute's values and regulations.*

*The session, organized following a meeting held on 17 August 2023, focused on making the students aware of the importance of adhering to the Code of Conduct.*

### ***Key activities included:***

- Presentations highlighting departmental activities and achievements were delivered by the respective Heads of Departments.*
- Multimedia presentations and videos, recommended by Dr. Gauri Patil, to enhance the impact and understanding of the Code of Conduct.*
- Prof. Kalyani Chaudhary, Student Development Officer provided an overview of the Student Development Officer (SDO), which is dedicated to supporting the holistic development of students through various programs and activities.*

· Prof. Dr. Smita Jadhav, member of Internal Complaint Committee (ICC) explained the Internal Complaint Committee, its role in addressing grievances related to sexual harassment, discrimination, and any form of misconduct. She detailed the process for filing complaints,

emphasizing confidentiality, student protection, and the importance of maintaining a safe environment on campus. Dr. Jadhav discussed the procedures for students to report any misconduct and assured students that the committee provides a neutral and supportive space to address concerns. Awareness session on code of conduct is available on website.

· Prof. Seema Hadke, NSS Program Officer introduced the National Service Scheme (NSS), explaining its vision to promote social responsibility and community engagement among students. She described the types of activities organized under NSS, such as blood donation camps, cleanliness drives, and rural development programs, which provide students with opportunities to contribute to society.

The program also emphasized the need for periodic refresher sessions to ensure continued awareness among students and faculty.

### **Organizing Team Contributions**

The program was successfully organized under the leadership of Vice Principal (Administration) Prof. Dr. Avinash Pawar, Vice Principal (Academics) Prof. Dr. Suvarna Chorage, ENTC Department Head Prof. Dr. S.R. Patil, Computer Engineering Department Head Prof. D.D. Pukale and IT Department Head Prof. Dr. Deepali Godse, who also provided valuable guidance. Prof. Dr. Deepali Godse coordinated the unveiling of the E-Newsletter during the event. E-Newsletter Volume 6 Issue 2 was formally unveiled by all the esteemed guests.

Special contributions were made by Prof. Dr. Smita Jadhav and Prof. Diksha Chopade, who played significant roles in ensuring the success of the induction program.

### **Anchoring and Collaboration**

The program was anchored by SE Students Miss Nandini Pandey, Miss Ameya Nimkar, Miss Prerana Bhokare, and Miss Anamika Sharma. The first-year faculty members also contributed significantly to the event's success.

## Institute Level Activities



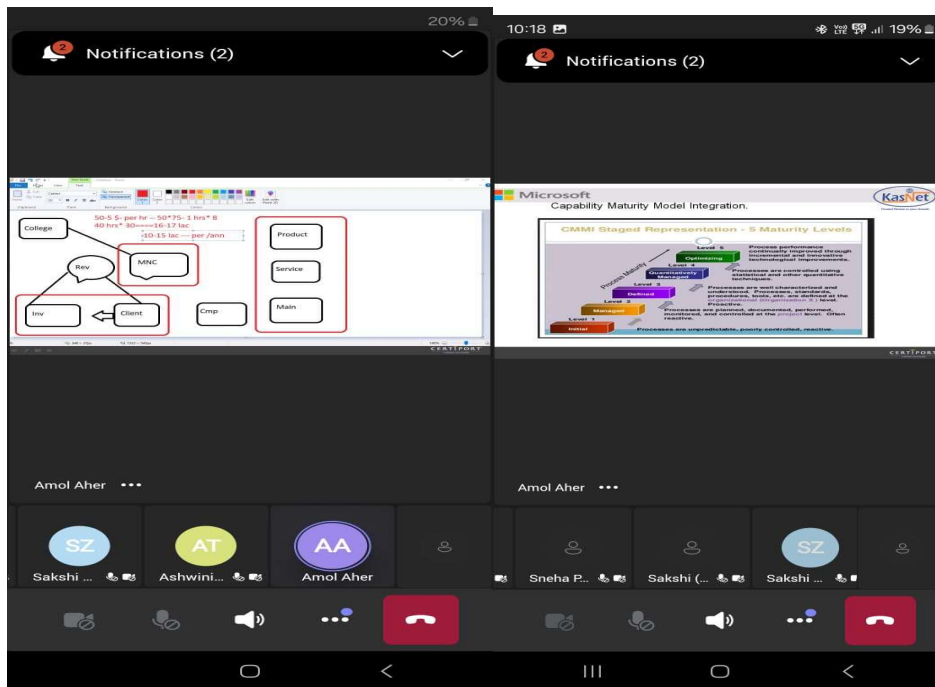
**Felicitation of Dr. Alexander Schwandt, Head of Development and Robotics Engineer, FKS Maschinenbau GmbH, Berlin, Germany upon his arrival by Prof. Dr. Pradeep V. Jadhav, Principal, BVCOEW, Pune**



**Felicitation of Students for their Participation in the IIT Bombay Techfest Robotics Workshop, organized by BOT Makers at BVCOEW, Pune as a part of the MOU Collaboration**



**Seminar on How to prepare for Competitive exams by Mr.Ketan Kumar Patil, Unique Academy, Pune under Career Guidance Cell**



**Webinar on Internship opportunities and importance of Microsoft certification by Mr.Amol Aher,Kasnet Technologies under Career Guidance Cell**





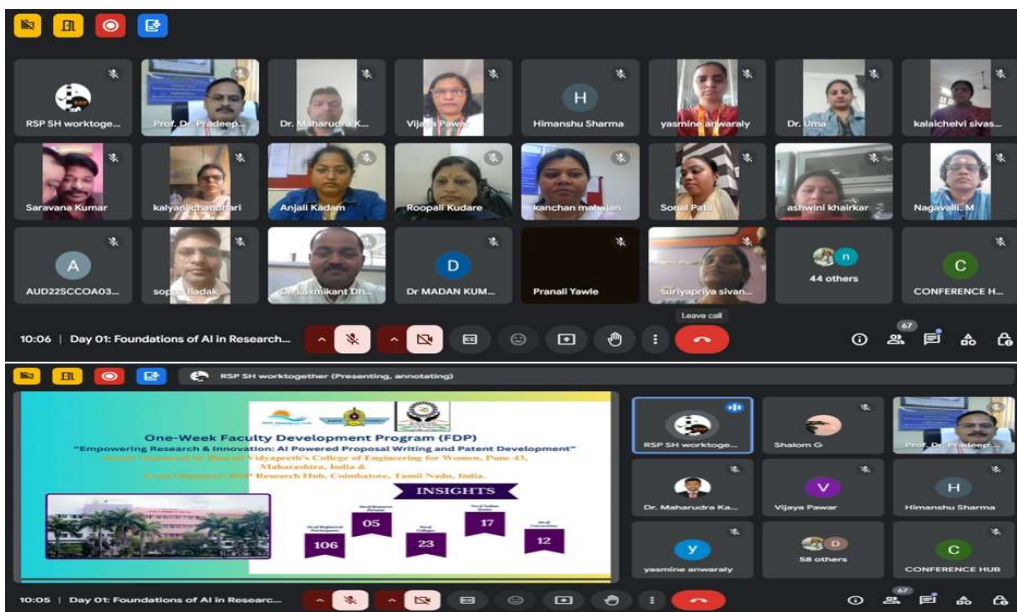
**A Seminar on Session on Business Model Canvas (BMC) by Prof. Dr. Sunita Dhotre, BVDU COE Pune under Institution's Innovation Council (IIC)**



**Workshop on Implementation of National Education Policy 2020 by Mr. Vijay Navale, Career Counsellor under NEP**



**AVISHKAR-2024 College level Project Competition held on 25<sup>th</sup> September 2024 under Research Cell**



**FDP on Empowering Research and Innovation: AI Powered Proposal Writing and Patent Development, scheduled from 23<sup>rd</sup> to 28<sup>th</sup> December 2024 under Research Cell**



**Industrial Visit to ERGEN Technovation Pvt. Ltd under Start up Cell**



**Alumni Ms. Utkarsha Saraf, Product Manager at ESADE Business and Law School in Berlin, Germany and Ms. Sudipta Gorai, Senior Analyst Trainer at Salesforce in Hyderabad graced the institute with their presence, sharing their journeys and inspiring our students**

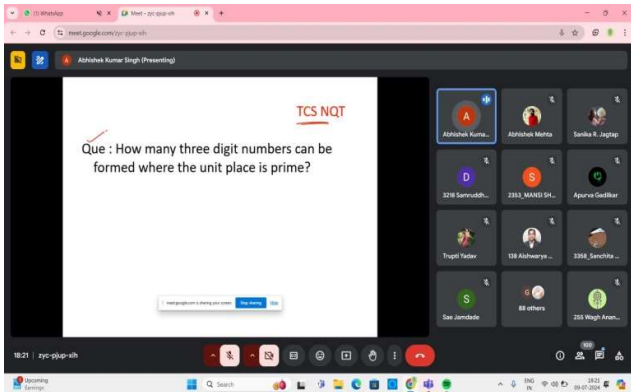
## Major Technical Activity Workshop on “Embedded Technology and IOT”



*Workshop on “Embedded Technology and IOT” by Mr. C. P. Mahajan (Founder & CEO of Dolphin Labs) from 30<sup>th</sup> Sept. 2024 to 5<sup>th</sup> October 2024 for BE E&TC students.*

A five day workshop on “**Embedded Technology and IoT**” was organized by Electronics and Telecommunication Engineering Department for Final Year (BE) students in association with Dolphins Labs from 30<sup>th</sup> Sep 2024 to 05<sup>th</sup> Oct 2024. The speaker of the workshop was **Mr. C.P. Mahajan**, the Founder & CEO of Dolphin Labs. The session started with the inauguration function in which the Principal, Prof. Dr. P. V. Jadhav, explained the motive of the workshop and also elaborated on how such kind of workshops will enhance the personality of E&TC engineer. The Joint Secretary of Bharati Vidyapeeth, **Prof. Dr. K. D. Jadhav** visited the workshop and interacted with the students and encouraged them with inspiring words. After the inauguration ceremony, Mr. C.P. Mahajan started the workshop by giving an overview of the contents of the workshop and explanation of the universal components and building blocks of embedded systems. He taught about the Arduino Uno and interfacing with various sensors and gave the introduction and applications using Arduino Uno, Esp32. The hands-on session started small projects built using Arduino Board and Led’s patterns. The second and third day included session on Arduino boards and their basic functionalities, writing and executing programs for embedded systems, Buzzer, relay, Dc Motor interfacing, sensor interfacing, temperature and humidity measurement. The fourth day included sessions on Node MCU Esp 32, Introduction to Raspberry Pi and OS installation. On the fifth day, Mr. C. P. Mahajan also enlightened on how to design projects building like Smart cities, home Automation where the students made their own projects on the Home Automation. The recourse person also gave industry exposure and overview. Lastly, a question-and-answer session was held which was an interactive session where students cleared their doubts on various aspects from Mr. C. P. Mahajan and also elaborative and valued feedback was given by students. The vote of thanks was delivered by Miss. Neha Bhosale, class representative of Final Year. Overall, the workshop was very beneficial and students were content about the opportunity to learn the hand-on session from Mr. C. P. Mahajan. With the determination and hard work of Principal, Prof. Dr. P.V. Jadhav, Head of Department Prof. Dr. S. R. Patil, coordinators Prof. S. A. Itkarkar, Dr. S. S. Salunkhe, Prof. A. P. Yadav and student coordinators, this workshop was an absolute success.

# Technical Activities



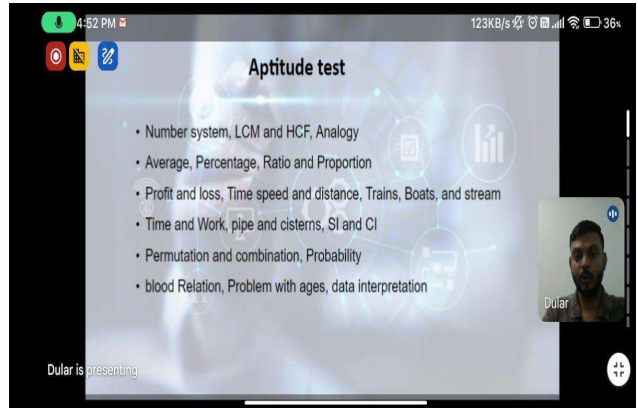
BE: Webinar on “Training Demo Session on Technical Aptitude” by **Mr. Abhishek Kumar Singh**(Inlustro, Pune) on 9<sup>th</sup> June 2024.



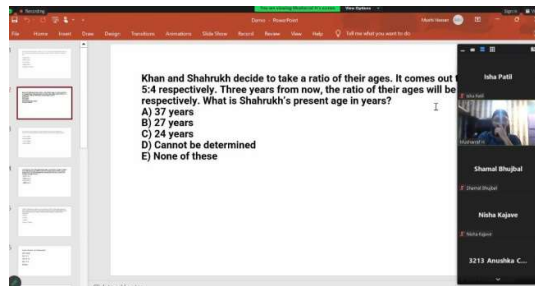
SE: Seminar on “Advanced Data Structures” by **Mr. Nagesh Mhetre** (Click In Computer ) on 10<sup>th</sup> June 2024.



BE: Webinar on “Training Demo Session on Technical Aptitude” by **Ms. Vaishali Walve, Ms. Tejal Sathe and Mr. Ajinkya Gaikwad** (Six Phrases,Pune)on 10<sup>th</sup> June 2024.



BE: Webinar on “Training Demo Session on Technical Aptitude ” by **Mr.Dular and Mr. Sachin** (Edutech Systems VIT,Pune)on 12<sup>th</sup> June 2024.



BE: Webinar on “Training Demo Session on Technical Aptitude” by **Mr.Mushraf** (Campus Credentials,Pune)on 19<sup>th</sup> June 202.

## Soft Robotics and Bio-Inspired Machines: The Future of Automation

In recent years, robotics has taken a leap from rigid, metallic structures to flexible, organic designs inspired by nature. **Soft robotics**, a revolutionary field of engineering, mimics biological systems to create adaptable, safe, and efficient machines. By drawing inspiration from creatures like octopuses, worms, and even human muscles, scientists are developing robots that can squeeze into tight spaces, handle fragile objects, and interact more safely with humans.

### The Rise of Soft Robotics

Traditional robots, built from hard materials, struggle with adaptability and safety in dynamic environments. Soft robotics overcomes these limitations by using flexible materials like silicone, rubber, and shape-memory alloys. These materials allow robots to move more fluidly and handle delicate tasks, such as assisting in surgeries, harvesting soft fruits, or even exploring underwater ecosystems.

### Bio-Inspiration: Learning from Nature

Nature has already perfected many solutions to movement and adaptability. Engineers and biologists are working together to study animals and apply their mechanisms to robotic designs. For example:

- **Octopus-Inspired Robots:** With flexible limbs and no rigid skeleton, these robots can navigate tight spaces for search-and-rescue missions.
- **Gecko-Inspired Climbing Robots:** Using adhesive properties like a gecko's feet, these robots can scale walls and ceilings effortlessly.
- **Insect-Like Microbots:** Mimicking ants or bees, these tiny robots work collectively for tasks like environmental monitoring and medical applications.

### Applications in Healthcare, Industry, and Beyond

Soft robots are proving to be game-changers in medicine. **Wearable exosuits**, inspired by human muscles, help patients with mobility impairments regain movement. **Soft robotic grippers** enable safer interactions in industrial automation, ensuring delicate handling of goods. Additionally, **biodegradable robots**, inspired by natural decomposition, could revolutionize drug delivery inside the human body.

### Challenges and Future Prospects

Despite rapid advancements, soft robotics faces challenges in durability, energy efficiency, and control precision. Scientists are exploring self-healing materials, advanced AI integration, and novel actuation methods like pneumatic and electroactive polymers to overcome these obstacles.

As the boundaries between biology and robotics continue to blur, soft robotics and bio-inspired machines promise a future where robots are more adaptive, efficient, and seamlessly integrated into our daily lives. Whether in healthcare, industry, or space exploration, these innovations are shaping a more flexible and intelligent robotic future.



**Mrs. Manasi More**  
**Parent of Ms. Tanaya More**  
**(SE - E&TC Engg.)**  
**Worked at:**  
**Nichrome Metal Works Pvt.**  
**Ltd.**  
**Senimuro Engg. Co.**

## UiPath: Revolutionizing Automation with Robotic Process Automation (RPA)

*In the ever-evolving world of technology, UiPath is one of the latest software innovations making waves in multinational corporations (MNCs). Unlike traditional management or productivity tools, UiPath focuses on Robotic Process Automation (RPA), a transformative technology that automates repetitive and time-consuming tasks across a range of industries. By integrating RPA into their operations, MNCs are dramatically improving efficiency, reducing operational costs, and enhancing employee productivity.*

*UiPath allows businesses to create, manage, and deploy software robots that can mimic human actions in any software application. These bots can perform tasks such as data entry, invoice processing, customer service, and even complex back-office operations, all without human intervention. The software provides a user-friendly interface, allowing both technical and non-technical users to design automation workflows using a simple drag-and-drop functionality.*

*What sets UiPath apart is its scalability. Whether automating tasks for a small department or deploying hundreds of bots across an entire organization, UiPath can handle automation at any scale. Its advanced capabilities include AI-driven processes like natural language processing (NLP) and machine learning (ML), enabling bots to handle more complex tasks that were traditionally performed by human workers.*

*For MNCs operating in multiple regions, UiPath provides significant benefits by standardizing processes, improving accuracy, and enabling faster decision-making. For example, in financial services, UiPath can automate compliance checks, significantly reducing the risk of human error and ensuring adherence to regulations. Similarly, in customer service, bots can assist in handling routine inquiries, allowing human agents to focus on more complex issues.*

*Moreover, UiPath offers seamless integration with various systems and software, including legacy systems, making it a flexible and adaptable tool for MNCs across industries. Its cloud-based platform further allows organizations to manage their automation processes from anywhere, ensuring global consistency.*

*Thus UiPath is disrupting traditional business models by enabling MNCs to automate their operations efficiently and at scale. As businesses increasingly turn to automation to stay competitive in the global market, UiPath is poised to be a critical tool in the digital transformation of organizations worldwide.*



**Mr. Kiran Ravindra Mhetre**

**Senior Manager,  
Bharat Forge Pvt. Ltd. Pune**

## Driving Growth through Business Model Innovation: A Guide for Budding Entrepreneurs in India

*Startups in India face many challenges and often fail within their first few years. Several factors contribute to these failures. One common issue is misjudging market demand, which can lead to launching products or services that do not attract customers. Lack of funding is another major problem; without enough money, startups may struggle to keep running and grow.*

*Poor business planning can create confusion about goals and direction, increasing the chances of failure. Additionally, without proper mentoring, founders may lack the support to overcome the challenges of building a business. Strong competition can also threaten startups, especially if they do not stand out in the market.*

*Understanding product-market fit is crucial. If startups do not match their offerings with what customers want, they may struggle to succeed. A crucial aspect often overlooked is continuously innovating our business models. This makes it hard for startups to keep up with changing market conditions and customer preferences. Addressing these issues is essential for improving the chances of success in the startup world.*

*This brings us to the opportunity to broaden our horizons by introducing the concept of Business Model Innovation (BMI) to young students who aspire to launch their own startups. BMI represents a significant transformation in how companies create and deliver value to their customers, challenging traditional business practices.*

*In India, we have observed a prevalent, educational approach focusing primarily on core subjects, often neglecting the broader landscape of business knowledge and entrepreneurial thinking. It's crucial to emphasize that students should cultivate a mindset that embraces business acumen from an early age. Doing so, they will be better equipped to navigate the journey from identifying problems to successfully turning their innovative ideas into viable market solutions.*

*It is important to understand that our young entrepreneurs' need hands-on learning in business model innovation to apply it to their startups or add value to the companies they work for. Encouraging this entrepreneurial mindset not only prepares the younger generation for the challenges of the business world but also inspires them to think creatively and take initiative, ultimately fostering a thriving ecosystem for future innovators.*

*One of the primary challenges observed is the need to bridge the gap between Indian academia and local industry. Industries often encounter significant operational challenges, and the involvement of skilled young individuals could lead to solutions that are environmentally friendly, sustainable, and profitable, thus contributing to the overall economy of India. To address this issue, there is a need for increased opportunities to learn about business model innovation, as well as more avenues for practical application in the industry.*



**Dr. Purnima Lala Mehta**

**(2010 Batch Alumna)  
CTIF Global Capsule (CGC) –  
Denmark  
Director, CGC Centre for  
Innovation, Development & Learning  
(CGC-IDL) Delhi, India**



# Achievements

## Faculty Achievements



***Prof. Dr. S. R. Patil***

*Elected as Vice-Chairman of IETE, Pune Centre.*

*Awarded with Best Presentation Under Faculty Category for paper entitled “AI for neurological Disorder: Alzheimer” at the International Conference on Recent Trends in Science, Technology and Management(ICRTSTM)2024 on 28 and 29 June 2024.*



***Prof. Dr. S. S. Chorage***

*A Candidate completed Doctorate of Philosophy under her guidance in “Sensor Development for Diesel Particulate Filter Clogging Detection using post Treatment parameters” from SPPU on 26 July 2024.*



***Prof. Dr. V. R. Pawar***

*Received a copyright on the topic “Automatic Diabetic Retinopathy Detection and classification using Machine Learning and Texture Features” on 11 September 2024.*



***Prof. S. A. Itkarkar***

*Appointed as NSS District Coordinator by NSS, Savitribai Phule Pune University in December 2024.*



***Dr. S.A. Dhole***

*A Book published on the topic “Multimodal Biometric Identification System: Case study of Real Time Implementation” by CRC Press(Taylor and Francis Group).*



***Dr. S.M. Jagdale***

*Secured Best technical paper award entitled “Prime Number Detector using RSA Algorithm” in ePGPEX-24 organized by BoS, SPPU on 12 June 2024.*



***Prof. K. R. Chaudhari***

*Awarded with Best Presentation Under Faculty Category for paper entitled “AI for neurological Disorder: Alzheimer” at the International Conference on Recent Trends in Science, Technology and Management(ICRTSTM)2024 on 28 and 29 June 2024.*



***Dr. S. S. Salunkhe***

*A Patent granted on “Coaxial Vectoring Tricoplerwith Stewart Platform” on 14 October 2024.*

*Awarded with Best Presentation Under Faculty Category for paper entitled “AI for neurological Disorder: Alzheimer” at the International Conference on Recent Trends in Science, Technology and Management(ICRTSTM)2024 on 28 and 29 June 2024.*



***Dr. S. M. Bhilegaonkar***

*Successfully completed the degree of Doctorate of Philosophy in the topic “Performance Evaluation of Compact High Efficiency Circularly Polarized Cavity Backed Substrate Integrated Waveguide Monopulse Tracking Antenna” under the guidance of Prof. Dr. Mane Pradeep offered by Savitribai Phule Pune University on 1 July 2024.*



***Prof. P. R. Yawle***

*Awarded with Best Presentation Under Faculty Category for paper entitled “AI for neurological Disorder: Alzheimer” at the International Conference on Recent Trends in Science, Technology and Management(ICRTSTM)2024 on 28 and 29 June 2024.*



***Prof. R. J. Sapkal***

*Awarded with Best Researcher award organized by 9th Edition of Indian Scientist Awards on 10 June 2024.*



***Prof. S. V. Shelke***

*Awarded with Best Presentation Under Faculty Category for paper entitled “AI for neurological Disorder: Alzheimer” at the International Conference on Recent Trends in Science, Technology and Management(ICRTSTM)2024 on 28 and 29 June 2024.*



***Prof. S. M. Thorat***

*Awarded with Best Presentation Under Faculty Category for paper entitled “AI for neurological Disorder: Alzheimer” at the International Conference on Recent Trends in Science, Technology and Management(ICRTSTM)2024 on 28 and 29 June 2024.*



***Dr. R. M. Shamalik***

*A Patent published on the topic "Drain Lid, Drainage System and Method for controlling Accumulation of Liquid" with application no.20242107999 on 20 November 2024.*

## Student's Achievement



***Mrs. Manisha Jadhav Kamate***

***(M.E.-VLSI and Embedded Systems)***

*Secured best technical paper award entitled “Prime Number Detector using RSA Algorithm” in ePGPEX-24 organized by BoS, SPPU on 12 June 2024.*

## Our Esteemed Recruiters



## Placement Cell Activities



**Prof. Dr.Pradeep Jadhav (Principal, BVCOEW, Pune), Prof. Pranoti Kale (Placement Coordinator, BVCOEW, Pune),Dr. Rameez Shamalik,Ms.Mahi Joshi Neilson IQ HR & Team and Neilson IQ Selected Students**



**Prof. Dr.Pradeep Jadhav (Principal, BVCOEW, Pune), Prof. Pranoti Kale (Placement Coordinator, BVCOEW, Pune), Mr.Akbar (Senior Manager, Human Resource Management), Mr. Pran Ranjan (Head and Vice President, Group Talent Management), Mr. Sameer Srivastava (Head & General Manager, Group Talent Management), Mr.Shipra Rathore, (Manager, Talent Management) and Uno Minda Team**



**Prof. Dr.Pradeep Jadhav (Principal, BVCOEW, Pune), Prof. Pranoti Kale (Placement Coordinator, BVCOEW, Pune),Dr. Rameez Shamalik and WNS Team**



**Prof. Dr.Pradeep Jadhav (Principal, BVCOEW, Pune), Prof. Pranoti Kale (Placement Coordinator, BVCOEW, Pune)and Cognizant Team**



**Prof. Dr.Pradeep Jadhav (Principal, BVCOEW, Pune), Prof. Pranoti Kale (Placement Coordinator, BVCOEW, Pune), Prof. Sucheta Khot (Traning Coordinator, BVCOEW, Pune),Dr. Rameez Shamalik, Amdocs Teamand Amdocs Selected Students**



**Atlas Copco Placement drive at BVCOEW, Pune with Atlas Copco team led by Ms. Sanjana Anvekar and Mrs. Rohit Adsule**



## *Placements from June 2024 to December 2024*

Sr. No.	Name of the Student	Company	Sr. No.	Name of the Student	Company
1	MANSHA JOSHI	BNY Mellon	15	RUTUJA MANE	BOSCH
2	SANJI PARDESHI	STANDARD CHARTERED GBS	16	BLAYNA FERNANDES	CAPGEMINI
3	ANANYA WAGH	NEILSON IQ	17	KETAKI TODKAR	CAPGEMINI
4	MUSKAN GUJAR	NEILSON IQ	18	PRIYANKA PANDEKAR	CAPGEMINI
5	SONAL KULKARNI	NEILSON IQ	19	RUCHIKA GOSAVI	CAPGEMINI
6	TANISHKA DANDE	NEILSON IQ	20	RUTUJA BANDE	CAPGEMINI
7	AISHWARYA GHORE	AMDOCS	21	SAKSHI PARDESHI	CAPGEMINI
8	SARAH SHAIKH	AMDOCS	22	SAKSHI JAMDAR	CAPGEMINI
9	VAISHNAVI INGALE	ATLAS COPCO	23	SAYALI JAGTAP	CAPGEMINI
10	ISHA PATIL	UNO MINDA	24	SHRADDHA MOHALLAR	CAPGEMINI
11	KANAN AGRAWAL	UNO MINDA	25	SHRUSHTI WAKCHAWARE	CAPGEMINI
12	NEHA BHOSALE	UNO MINDA	26	TAKALKAR SANJAY	CAPGEMINI
13	PRANALI CHAVAN	UNO MINDA	27	VAISHNAVI PATIL	CAPGEMINI
14	VAISHNAVI SANDIP PATIL	UNO MINDA			

## Editorial Board



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Principal, BVCOEW*



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Newsletter Coordinator*



*Prof. S. M. Thorat  
Chief Editor (E&TC)*



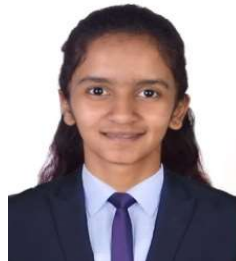
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*Shravani Tayade  
(S.E. E&TC)*