



**Hon'ble Dr. Pantangraoji Kadam Saheb
Founder Bharati Vidyapeeth**

BLESSINGS

**Bharati Vidyapeeth's
College of Engineering for Women, Pune**



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

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

Undergraduate Programme

Sr. No.	Course	Intake	Course Code
1	B.E. Electronics and Telecommunication Engg. (E & TC)	120	628537210F
2	B.E. Computer Engg. (CE)	60	628524510F
3	B.E. Information Technology (IT)	60	628524610F

Post Graduate Programme

Sr. No.	Course	Intake	Course Code
1	M.E. (E & TC-VLSI & Embedded System)	18	628534110F

Special Features:

1. The oldest engineering college “exclusively for women”.
2. All government scholarships are applicable for eligible students.
3. Placement opportunities in multinational companies with 100% assistance.
4. Excellent university results and university rank holders.
5. MOUs with reputed industries and academia.
6. On campus hostel facility with 24 × 7 security.
7. DTE approved facilitation centre for admissions.

Facebook:

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



Principal's Message



Prof. Dr. S. R. Patil
In-charge Principal

Engineering institutes are effective instruments of technical progress of our country and contribute to human progress and the transformation of society. It is really a proud moment for all of us to present the second volume of 'Newsletter' of our institute. It gives me immense pleasure to write the message for it.

'Newsletter' is a platform for presenting the summary of various departmental activities conducted during the semester.

I appreciate the efforts taken by Prof. Dr. Deepali Godse, coordinator of 'Newsletter'. I also appreciate the support by HOD, editorial board members (faculty and students) for carrying out all activities very well and I wish all the best for future editions.

I would like to conclude with a quote of Swami Vivekananda...

"Arise! Awake! And stop not until the goal is reached".

From the Desk of Coordinator...



Prof. Dr. D. A. Godse
Newsletter Coordinator

As a coordinator, I am delighted to present the Volume 2, Issue 2, AY 2019-20 of newsletter "Blessings...". We believe that our institute has always been blessed by the founder of Bharati Vidyapeeth, Hon'ble Dr. Patangraoji Kadam Saheb and will be blessed forever.

This semester-wise newsletter is mainly a reflection of technical activities organized at institute level and department level as well. It is the right of every stakeholder to know about the activities organized in the institute. Also, it is our responsibility to be in touch with them. It will perform the role of disseminating the information of our institute and the department to most of our stakeholders. In order to give a detailed insight into the modern era of technology and its advancements, an article on recent trend has also been included in the newsletter. Any sufficiently advanced technology is indistinguishable from magic. I am sure; the newsletter will improve connectivity between the institute and the stakeholders. Technology is best when it brings people together.

I am very much thankful to the editorial board for their efforts and solidarity in bringing out successfully the regular e-newsletter. I would like to motivate students and staff with a quote of Steve Jobs ...

"The only way to do great work is to love what you do".

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.*

HOD's Message



Prof. Dr. S.R.Patil

Head of Electronics and Telecommunication Engineering Department

It is with immense pleasure and pride that I am writing the message for this Newsletter. My wishes to the team of faculty and students who took great efforts and solidarity on this newsletter.

Electronics and Telecommunication Engineering Department was established in the year 2000 with the intake of 60 students. With the increase in intake of 60 in 2006-07 for UG and a new PG course of intake 18 in 2013-14, our department is foremost and continuously getting upgraded. Department has highly qualified faculty. Well planned infrastructure to satisfy growing needs of educational environment, supported with latest hardware such as VNA, Satellite Trainer kit, RFGD-3G, OTDR , Spectrum Analyzer , Virtex-5 Kits etc. and software tools like MATLAB, Xilinx , LABVIEW, MENTOR GRAPHICS etc.

The newsletter team indeed deserve my appreciation for their innovative idea of electronic newsletter which will benefit the stakeholders of this institute .With this brief introduction ,I welcome you all to be the part of our impeccable Newsletter journey .

Seminar on “Energy Audit and Conservation”



A two-hour seminar on “Energy Audit and Conservation” was conducted for the students of First Year on 27th February 2020 by Dr. Mandar Bhavalkar (Ph.D. in Electrical Engineering Power Systems), Assistant Professor, Electrical Engineering, PVG’s COET, Pune. In the inaugural speech, Prof. Dr. S. R. Patil explained the importance of the various conventional and non-conventional energy sources, and simple ways to save and conserve electrical energy.

The students and staff members found this seminar to be very challenging and interesting too, as all became aware of the energy resources we are bestowed with and realized that it is our responsibility to conserve it.

The objective of the seminar was to determine what further energy saving techniques can be used, on most

practical lines. Also its thrust has been towards hidden losses and technical up-gradation. Dr. Mandar Bhavalkar also provided elaborate technical details as well as cost-benefit calculations for each proposal of energy saving.

Employability Skill Development Training Program

Under the able guidance of Prof. Dr. S. R. Patil, the institute has signed MoU with Zensar Technologies on 12th August, 2019 and the Employability Skill Development Program is made available to E&TC students from this academic year. The Employability Skill Development Training Program and subsequent job offers from Zensar Technologies are the highlights of this MoU.

This activity was conducted for the Third Year students. 24 students from Computer Department, 21 students from IT Department and 36 students from Electronics and Telecommunication Department were shortlisted for this training program through an Online Aptitude Examination conducted by Zensar Technologies.



These students were trained by Zensar Technologies in Soft skills, Life skills and Quantitative Aptitude. The technical training modules included Core Java, Oracle, Python programming, Artificial Intelligence and Machine Learning. The performance of students was evaluated after completion of each module through practical / online assessment. The students shortlisted through this assessment will be considered for placement in Zensar Technologies after cracking the aptitude test and interview rounds which will be conducted in July 2020.

Major Technical Activity



The Electronics and Telecommunication Engineering department organized a hands-on workshop on topic *Android Application Development* that was conducted by Mr. Rahul Ahire in association with Linkcode Technology Pvt. Ltd., Pune on 20th February 2020. Respected Principal and Head of E&TC Engg. dept., Prof.Dr.S.R.Patil inaugurated the workshop. He interacted with the students and discussed the latest trends in the industry related to app development.

Mr. Rahul Ahire along with his two volunteers explained the basics of android applications. They also helped the students to install the Android studio app in their laptops. The students were also explained how to use that particular software. The expert person revised the concepts of JAVA, which were useful for app development and coding. The students developed their own apps with the help of the volunteers. Mr. Rahul Ahire also explained students how to design an interface and run the app on the smartphone as well. All the queries were answered by the expert person and students found the workshop engrossing.

The workshop was conducted under Student Development Section of our college in association with Savitribai Phule Pune University. The coordinator of workshop, Prof. K. R. Chaudhari organized the workshop successfully with the help of other teaching and non-teaching staff members of the department.

Technical Activities



SE, TE: Expert Lecture on “Job Opportunities in Japan” by Mrs. Sanjeevani Kowali (Jaltap, Pune) on 09/01/2020.



TE: Expert Lecture on “Global Diversity CFP day” by Ms. Harshada Kshirsagar (Microsoft, Pune) on 27/01/2020.



TE: Test Series on “Programming Languages” by Mr. Salvi (Seed Infotech Pvt. Ltd., Pune) on 18/02/2020.

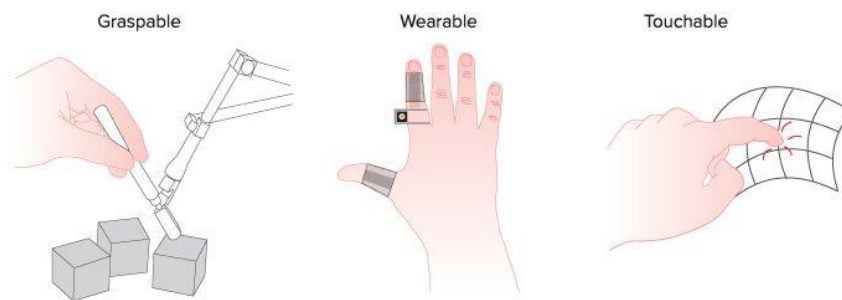
TE: Expert Lecture on “Character Building” by Mr. Vyomesh Shukla (Happy Thoughts, Pune) on 21/01/2020.

Haptics - The Science of Touch Simulation

Haptic technology, also known as Kinaesthetic Communication or 3D touch, refers to any technology that can create an experience of touch by applying forces, vibrations, or motions to the user. These technologies can be used to create virtual objects in a computer simulation, to control virtual objects, and to enhance remote control of machines and devices (tele robotics). Haptic devices may incorporate tactile sensors. A tactile sensor is a device that measures information arising from physical interaction with its environment. Tactile sensors are generally modelled after the biological sense of cutaneous touch that is capable of detecting stimuli resulting from mechanical stimulation, temperature, and pain “that measure forces exerted by the user on the interface”. We rely on touch — or “haptic” — information continuously, in ways we do not even consciously recognize. Around the world, engineers are now working to recreate realistic touch sensations, for video games and more. Engaging touch in human-computer interactions would enhance robotic control, physical rehabilitation, education, navigation, communication and even online shopping.

Haptic devices can be grouped into three main types: graspable, wearable and touchable.

Three categories of haptic systems



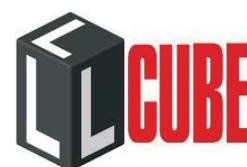
SOURCE: H. CULBERTSON ET AL / AR CONTROL, ROBOTICS, AND AUTONOMOUS SYSTEMS 2018

KNOWABLE MAGAZINE

In Steven Spielberg’s 2018 film Ready Player One, based on the 2011 book by Ernest Cline, people enter an immersive world of virtual reality called the OASIS. What was most gripping about the futuristic tech in this sci-fi movie was not the VR goggles, which do not seem so far off from the headsets currently sold by Oculus, HTC and others. It was the engagement of a sense beyond sight and sound touch. Characters wore gloves with feedback that let them feel the imaginary objects in their hands. They could upgrade to full body suits that reproduced the force of a punch to the chest or the stroking of a caress. Yet these capabilities, too, might not be as far off as we imagine. Haptic, being a ‘sense of touch’ technology, is expected to gain prominence in the near future as it makes human and computer interaction easier and offers enhanced touch and detailed information regarding an object in the real world. The prolific use of haptic technology in automobile, home appliances, education, and gaming sectors is expected to create new opportunities for the global haptic technology market.

--Prof. V.V.Gaikwad

Our Esteemed Recruiters



Achievement

Prof. Dr. S. R. Patil

- Presided over Ph.D. exam as a Chairman, which was organized by Department of Technology, Savitribai Phule Pune University.
- Examiner for M. Tech by Dr. BAMU. Aurangabad

Placement during A.Y.2019-2020

Sr. No.	Name of the Student	Company
1	Ms.Kshitija Khandale	Prolifics
2	Ms.Madhura Kadao	Prolifics
3	Ms.Prajakta Navale	Prolifics
4	Ms.Arya Chavan	Prolifics
5	Ms.Arya Chavan	TCS
6	Ms.Raksha Shetty	Vodafone
7	Ms.Ashlesha Kakade	Vodafone
8	Ms.Mansi Rawat	Vodafone
9	Ms.Nisha Pal	Vodafone
10	Ms.Richa Priya	Vodafone
11	Ms.Siddhi Sawant	Vodafone
12	Ms.Dnyaneshwari Dixit	Capgemini
13	Ms.Prajakta Shewate	Capgemini
14	Ms. Aboli Kale	Capgemini
15	Ms.Dnyaneshwari Dixit	Infosys
16	Ms.Raksha Shetty	Infosys
17	Ms.Molawade Samrudhi	Amazon

“Best Women College of the year 2019”

Bharati Vidyapeeth’s College of Engineering for Women received “*Best Women College of the year 2019*” award under the category Engineering and Technical Education from National Educational Excellence Conference and Awards (NEEC&A) – 2019.

Editorial Board



Top Row L-R Students : Ms. Madhura Mirikar , Ms. Bhavya Sharma , Ms. Shruti Patil , Ms. Nisha Pal , Ms. Priyanka Beura , Ms. Siddhi Sawant.

L-R Staff: Mrs. N.N. Chavan, Ms. V.S. Karambelkar, Prof. Dr. S. R. Patil (I/C Principal and Head of E&TC Engg. Dept.), Prof. Dr. D. A. Godse (Newsletter Coordinator), Ms. K.D. Mahajan, Mrs. D.P. Chopade