



**Hon'ble Dr. Patangraoji 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 x 7 security.
7. DTE approved facilitation center 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 also contribute to human progress and for the transformation of society. It is really a proud moment for all of us that the first volume of 'Newsletter' of our institute is being launched. It gives me immense pleasure to launch this newsletter and 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 the activities very well.*

*The first volume of Newsletter is just a beginning and best wishes for future editions.*

*I would like to conclude with a quote of Robert Frost...*

*"Woods are lovely, dark & deep but I have promises to keep and miles to go before I sleep".*

## From the Desk of Coordinator...



**Prof. Dr. D. A. Godse**  
Newsletter Coordinator

*As a coordinator, I am delighted to present the first issue 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 dissemination of information of our institute in short and prominently of 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 constituted by the students and staff for their efforts and solidarity in bringing out successfully the first issue of e-newsletter.*



# 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 this message for the first edition of Newsletter. My wishes to the team of faculty and students that worked hard on this newsletter.*

*Electronics and Telecommunication Engineering Department was established in the year 2001 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, 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 deserves my appreciation for their innovative idea of electronic newsletter which will benefit the stakeholders of this institute.*

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

### **Project Exhibition and Competition**

The final year students' project exhibition cum competition was organized on 27th March, 2019. The objective behind organizing the project exhibition is to showcase the talent of the final year students before the industry / academic experts as well as to provide them an opportunity to share their learning experiences with the third year students. The outcome of the project exhibition cum competition is that students are able to demonstrate their project with confidence.



#### **Department of Computer Engineering Judges**

1. Mr. Milind Bhinge  
CEO & Founder, Faralenz, Pune.
2. Mr. Maharudra Gite  
CEO & Founder, Global VSMIT, Pune
3. Mr. Amol Aher  
India Head, Kasnet, Pune
4. Mr. Atul Dhaigude  
Independent Consultant, Pune

#### **Department of Electronics and Telecommunication Engineering Judges**

1. Mr. Nalawade  
Quality Engineer, Akshay Measurement & Control, Pune
2. Prof. Talwalkar  
Professor, JSPM, Pune
3. Prof. Dr. V. K. Bairagi  
Associate Professor, AISSMS, IOIT, Pune
4. Prof. Dr. Gaikwad  
Assistant Professor, PICT, PUNE
5. Prof. Dr. V. V. Shete  
Professor, MIT COE, Pune
6. Prof. Dr. S. B. Somani  
Professor, MIT COE, Pune



#### **Department of Information Technology Judges**

1. Mr. Taushif Sayyad  
Team Leader, Knoah Solutions, Pune
2. Mr. Alpesh Soni  
IT Analyst, TMF Group Ltd., Pune
3. Mr. Amol Aher  
India Head, KasNet Technologies, Pune
4. Mr. Rahul Ahire  
Director, Link-code Technologies, Pune

## Major Technical Activity



The Electronics and Telecommunication Engineering department organized a "Three Days Hands-on Workshop on Miniproject" which was conducted by Mr. Chittaranjan Mahajan, President of Dolphins Labs. The inauguration of the workshop was conducted by the auspicious hands of I/C Principal, Prof.Dr.S.R.Patil . At the time of innauguration, Prof.Dr.S.R.Patil interacted with the students and appealed them to learn the technique of selection of innovative miniproject which would also at some level be extended for final year.

The activity was conducted under the Memorandum Of Understanding (MOU) between Dolphin Labs and E&TC Department. The workshop was conducted on 8th, 9th and 11th February 2019 for T.E students.

The workshop was interactive. Each day , 2 sessions were conducted. The sessions comprised of basics and designing of PIC microcontroller, hands on experience on mounting and soldering of components, different programming techniques were also elaborated to interface basic input-output devices like LED interfacing, Push button interfacing, Buzzer interfacing, Relay interfacing, DC motor interfacing. Training was imparted to students on " Proteus Design Suite" software. The Staff coordinators of the workshop, Prof. M. S. Kasar, Prof. V. P. Mulik and Prof. A. P. Yadav encouraged and supported students during the workshop.

## Industry-Institute Interaction

Sr.No.	Date	Activity	Industry	Class
1	04/01/2019 to 12/01/2019	Training for Broadband Technician	BSNL	B.E.
2	21/02/2019 to 23/02/2019	FDP on Electronic Design Automation using Mentor Graphics Backend Tool	CoreEL Technologies Infinity X	Faculty
3	23/02/2019	Seminar on Current trends in Industrial IoT	Infinity X	T.E.
4	28/02/2019	Industrial Visit	GMRT	T.E.
5	01/03/2019	Industrial Visit	GMRT	B.E.



## Technical Activities



*TE: Seminar conducted by IETE on "Current Technology trends in AI and ML" by Mr. Pratap Sanap (Persistent) on 05/01/2019*



*SE: "Workshop on Basic C and Data Structure" conducted by Mr. Sandeep Kulange (Sunbeam) from 05/02/2019 to 07/02/2019*



*SE: Seminar on "Keep Engineering Alive" by Mr. Bhushan Pawar (Mugdha Systems) on 13/02/2019*



*BE: Seminar on "GRE/GMAT" conducted by Mr. Chiranjit Malik on 23/01/2019*



*TE: Demo Seminar on "PLC & Automation" conducted by Mr. Akhilesh Deo (Magnam Solutions) on 25/01/2019*



## Augmented Reality and Virtual Reality

Perception and Reality have been the subject of thinkers' contemplation and subsequent development of theories for ages. The very existence of a reality beyond what we perceive as real has been postulated, rendering a fair question in any bystander's mind regarding the definition of reality altogether. The entrance of technology in this field has given rise to some very intriguing and fantastical aspects to the actuality as we have been experiencing.

Among the most commonly seen advancements in the field of Reality include Augmented Reality and Virtual Reality. While the two are quite closely related, they are often misunderstood as synonymous to each other. Against contrary beliefs there happens to be some fundamental differences between the two.



**Pokemon go - an example of AR**

As evident in its name, Augmented Reality (AR) is an augmentation or supplementation to the reality as we see, feel, touch it. Essentially, augmented reality is a combination of the real and virtual worlds, hence often referred to as mixed reality. Augmented Reality is, at its core, a way to successfully incorporate some digital addition to the world as we see it, i.e. our perception of reality.

Augmented Reality is propagated to the general user through the medium of a smartphone, goggle or other handheld devices. While apps like Layar and Snapchat have facilitated the complexities of augmented reality to the layman today, the technology dates back to the 1960's. Today, some of the leading applications of augmented reality can be found in Holographic Navigation systems; digital content viewing and interaction for research, monitoring and development purposes through Holographic computers; real-time 3-D scanning and modelling with contextual information for versatile applications.

While AR is basically a digital enhancement to the world the way we see it, Virtual Reality (VR) has the power to teleport us into an alternative, entirely virtual world. The technology of Virtual Reality is highly riveting, pulling the user into a simulated, make-believe world. The user entirely loses the ability to segregate the two-worlds, which is the most unique feature of the technology, wherein all real-world stimuli is completely eliminated.

Most companies and products working on Virtual Reality focus on the recreational or entertaining aspect of the technology. However, the potential applications to the technology are wide-spread. Virtual Reality is a captivating technology, which can instantly transform one's environment and completely renovate the surroundings. The technology is currently being used for treatment of post-trauma stress disorder patients and cognitive behaviour therapy. Some of the various possible or under-study applications of Virtual Reality include modelling for 3-D artists and architects; immersive, life-like visualisation for real estate agents, interactive study purposes for teachers and students.



**The world of Augmented Reality and Virtual Reality**

AR and VR seem like a revolutionary next step in the advancement of the technological development we have been constantly travelling upon. The crucial aspect that differentiates these from any other contemporary technology, or their precursors is that they directly affect user perception, giving information through experience. While the last step in this advancement was the transformation of the data into information, soon, through artificial realities, this shall transgress into knowledge – information attached with experience.

In the quarter of a hundred million years that human beings, as we know them today have existed, the development of information and technology has been an exponential graph. AR and VR might catapult us to the succeeding phase of technology, hence progressing society and at large, life.

Contributed by: Anushka Sapre  
BE E & TC

## Our Esteemed Recruiters



## Placement during A.Y. 2018-19

Sr. No.	Name	Company
1	SAPRE ANUSHKA	ITC INFOTECH
2	AISHWARYA JAISWAL	TCS
3	BETALE KIRAN KEDARNATH	TCS
4	KULKARNI SUSHMITA SANTOSH	TCS
5	SAWANT SHRUTI SURAJ	TCS
6	PATIL RUTUJA ARUN	TATA COMMUNICATION
7	SIMRAN BHAT	TATA COMMUNICATION
8	SNEHA KUMARI	TATA COMMUNICATION
9	SWATI KUMARI	TATA COMMUNICATION
10	TUSHIKA KOUL	TATA COMMUNICATION
11	AISHWARYA JAISWAL	TATA COMMUNICATION
12	MOHOD ANAGHA PRADEEP	TATA COMMUNICATION
13	BANDAGALE SAMRUDDHI CHANDRAKANT	TATA COMMUNICATION
14	GADE MRUNAL PRADEEP	TATA COMMUNICATION
15	GHADGE DHANASHREE SANJAY	TATA COMMUNICATION
16	MAGAR SNEHAL BALASO	TATA COMMUNICATION
17	RAICHURKAR SONAM SATISH	TATA COMMUNICATION
18	ANUSHKA SAPRE	TATA COMMUNICATION
19	NAIK MANJIRI GAJANAN	VODAFONE
20	KHUSHI SINGH	VODAFONE
21	SAWANT SHRUTI SURAJ	INFOSYS
22	AARTI UTTAM TAMHANE	INFOSYS
23	SHANMUGA PRIYA	AMAZON
24	RAICHURKAR SONAM SATISH	AMAZON



## Editorial Board



*Top Row L-R Students : Ms.Tushika Koul, Ms.Anushka Sapre, Ms.Nisha Pal, Ms.Siddhi Sawant, Ms.Shruti Patil, Ms.Priyanka Bera*

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