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

Pune-Satara Road, Dhankawadi, Pune 411043
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
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. 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

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 × 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

Principal's Message

Prof. Dr. S. R. Patil
Principal

This year will be remembered by all the human beings around the globe due to the 'COVID-19' pandemic situation. We all have adapted to the new life style and I am very proud to mention that despite of 'COVID-19' situation, we could complete all our academic assignments in online mode of education at its fullest. Rather, we have conducted more number of activities such as Faculty Development Programs (FDPs), Webinars, Training Programs etc.

'Newsletter' is a platform for presenting the summary of various departmental activities conducted during the semester. It is really a proud moment for all of us to present the 3rd volume of 'Newsletter' to all our stakeholders.

I appreciate the efforts taken by Prof. Dr. Deepali Godse, coordinator of 'Newsletter'. I also appreciate the support by all HODs, editorial board members (faculty and students) for carrying out all the activities very well and I wish all the best for future editions. I conclude with the quote by Swami Vivekananda "Be the servant while leading. Be unselfish. Have infinite patience, and success is yours".

From the Desk of Coordinator...

Prof. Dr. D. A. Godse

Newsletter Coordinator

In the academic year 2018-19, Semester 2, we had released the first issue of e-newsletter. At that time, we had decided to release "e-newsletter" to make it a paperless activity with ease of sharing with all stakeholders. Thought of that time has become today's need. I am very glad to share with you all that in this COVID-19 pandemic situation too, our institute organized a number of online activities along with online conduction of academics. As a coordinator, I am delighted to proudly present the Volume 3, Issue 2, AY 2020-21 of e-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. It's our great pleasure to share glimpses of various technical activities organized in the institute with our stakeholders. Our alumnae also contribute by sharing an article on recent trend in order to give a detailed insight into the modern era of technology and its advancements. Our basic aim of publishing a newsletter and sharing it with our stakeholders is to improve connectivity between us.

I am very much thankful to the editorial board for their efforts and solidarity in bringing out successfully the semester wise e-newsletter on time. Always remember the quote of Dr. A. P. J. Abdul Kalam, "Man needs difficulties in life because they are necessary to enjoy the success".Please take great care of yourself and your family members.

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 gives me immense pleasure and pride, that despite of COVID-19 global pandemic situation, I am writing this message for this Newsletter because of the great efforts by our editorial team. My best wishes to the team of faculty and students who took limitless 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. The department is fully equipped with the latest software required and hardware equipment's such as VNA, Satellite Trainer kit, RFGD-3G, OTDR, Spectrum Analyzer,Virtex-5Kits etc. and software tools like MATLAB, Xilinx, LABVIEW etc. There is also a well-planned infrastructure to satisfy the requirements of educational environment in this pandemic situation of COVID 19.

The Newsletter team indeed deserves my admiration for their ultramodern idea of electronic newsletter which is indeed eco-friendly concept and will also benefit the stakeholders of this Institute. With this brief review, I welcome you all to be the part of our exemplary newsletter.

International Women's Day Celebration

Bharati Vidyapeeth's College of Engineering for Women in association with Institution of Electronics and Telecommunication Engineers (IETE), Pune Centre, celebrated International Women's Day on 8th March, 2021. This day is celebrated to honour the cultural, political, and socioeconomic achievements of women.
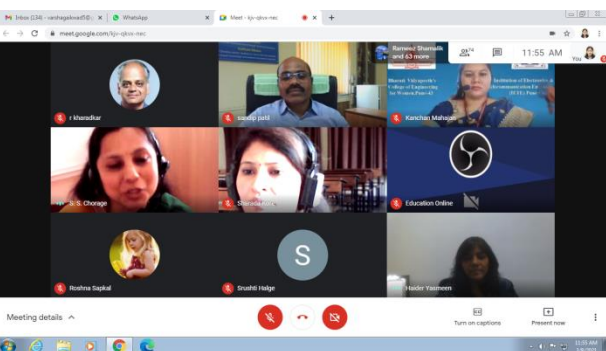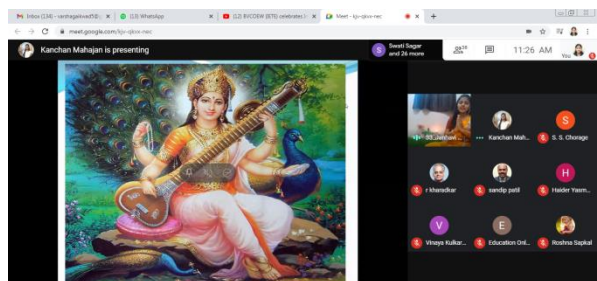
Prof. Dr. S. R. Patil, Principal, welcomed the chief guest, Dr. Haider Yasmeen, IETE Chairman, Prof. Dr. R. D. Kharadkar, IETE EC members, staff members and students. He gave his best wishes to all the women participants and elaborated that an occasion like this is to celebrate the great achievements of women and the meaningful contributions they've made to the world.

Prof. Dr. S. S. Chorage, IETE EC member, Pune Centre, briefed the function and also introduced the chief guest Dr. Haider Yasmeen who is one of the eminent and distinguished personalities in women empowerment. Dr. Haider Yasmeen explained the different roles of women in personal and professional life. She encouraged the women participants to practice their individual hobbies and give equal importance to it along with routine chores. She also emphasized on the fact that though this day comes as a reminder that while a lot has been achieved, the journey is long and a lot more needs to be done.

The celebration concluded with vote of thanks by Dr. S. L. Kore to all the online viewers (around 400 including IETE members, staff and students). The event was successfully coordinated by Prof. Dr. S. S. Chorage, Dr. S. L. Kore, Mr. A. B. Vitekar and Ms. K. D. Mahajan.

Institute Level Activities

| Sr. No.	Date	Activity	Resource Person	Staff Coordinator(s)
1.	12-02-2021	Webinar on "Emerging Technologies"	Mr. Likhit & Mr. Goutham, ETHNUS, Bangalore	Prof. S. T. Khot, Mrs. P. D. Kale
2.	13-03-2021	Webinar on "Career in Defence for Girls"	Ms. Akshita Chauhan & Ms. Shivani Pawar	Mrs. S. B. Dhuttargi
3.	25-01-2021	Webinar on "Non-Government Scholarship Awareness"	Prof. Swati Jadhav, PCCOE, Pune	Dr. S. P. Kadam

Webinar on "Data Structures"
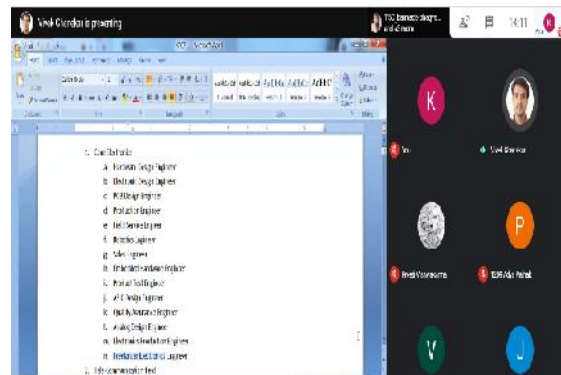
Considering this Pandemic situation, a webinar was conducted on the basic topic of "Data Structures" by Electronics and Telecommunication Engineering Department on 23rd April 2021 for all the S.E. students. The speakers for this session were Mr. Vivek Ghanekar from K. J. College of Engineering and Research. Principal and Head of E&TC Engg. dept., Prof. Dr. S. R. Patil inaugurated the webinar. He interacted with the students and mentioned importance of learning the subject as well as focusing on future scope.

The main key-factors of this webinar were highlighted by the speaker Mr. Vivek Ghanekar. The first thing he enlightened us was about the scope of Data structures after degree completion like in core electronics, tele-communication field, software jobs, end user and technical support. It also contained information about types of languages i.e. High level language and low level language along with their instructions and examples. Furthermore, the speaker also emphasized on the instructions involved in program development and crucial role of coding. Then, it was followed with detailed classification of Data Structure. The session was very informative, all doubts of the students were cleared. The way he conveyed the concepts was very understandable and easy to grasp. Overall, this webinar was productive and gave the students an opportunity to expand their knowledge.

This webinar was conducted by the Electronics and Telecommunication Student Association (ETSA) and was successfully organised by Ms. V. S. Karambelkar.

Technical Activities
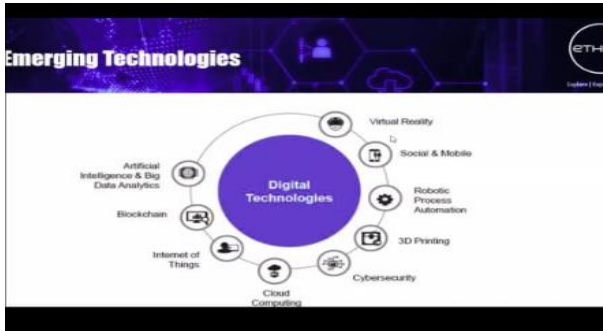
SE,TE, BE : Webinar on " Emerging Technologies like Cloud, cyber security, IoT, AI/ML" by Mr. Devraj (ETHNUS) on 12th February 2021.

SE,TE:Webinar on " Developer communities and Hackethons" by Mr.Sandeep Singh (Code Asylums, Bangalore) on 17th March 2021 .

Sr. No.	Date	Activity	Resource Person	Industry/ Company	Class
1	11-02-21	Webinar on "Android Applications"	Miss. Kushumita Datta	Full Stack developer at PHN Technology	TE & BE
2	12-02-21	Webinar on "Emerging Technologies like Cloud, cyber security, IoT, AI/ML	Mr. Devraj	ETHNUS	SE,TE & BE
3	15-02-21	Webinar on "Road safety"	Mr. Uday Shingade	BV Traffic Dept., Pune.	SE & TE
4	12-03-21	Workshop on "Data processing using pandas"	Mr.Atul Wadkar	Algorithmic Electronics, Pune	TE
5	17-03-21	Webinar on "Developer communities and Hackethons"	Mr. Sandeep Singh	CodeAsylums, Bangalore.	SE & TE
6	23-04-21	Webinar on Data structure	Mr.Vivek Ghanekar	KJ College of Engineering & Research, Pune	SE

Digital Scent Technology

Electronics is the highest growing industry in the world. There are different technologies which are trying to bring the digital world closer to the realistic experience as much as it can. All these days the world is revolving around giving experience to the end user with visual sense and sound variations. Years ago could we have imagined about devices being controlled on your voice, touch, sense? And now smell too! It's interesting.

The Haptic technology can create an experience of touch by applying forces, vibrations or motions to the user.

This technology has been used in various applications such as Video games, Virtual reality, Neurology, Aviation, Face recognition, Computer control, Teleoperators, Simulators; Tactile electronic displays etc. Haptic even made touch & sense better. One could feel vibrations in some games.

Now there is an Extension and advancement in such applications, and technology is DIGITAL SCENT TECHNOLOGY. What is it exactly? If you could buy perfume or spray online and that too after smelling it, isn't it interesting? Possible through DIGITAL SCENT TECHNOLOGY. This deals with Olfactory. Olfaction is a chemoreception that creates a sense of smell. It helps in detection of hazards, pheromones and food flavours. DST is about to scent, transmit and receive the scent enabled digital media. Sensing is carried out with Olfactometers and Electronic noses.

Hardware components likely to be used in this technology are smell synthesizer-ismell, Cartridge. It is a small device. These products have been researched and developed over the period in the last 3-4 decades. Smell synthesizer generates different types of smell. Example of it is ismell. This device reads digital scent file and creates different types of smell from 128 available chemicals. And for these chemicals it has a cartridge like printer. Can be replaced whenever needed. It has chemicals and natural gas. It gets activated with heat or pressure after receiving a signal. Also two more important components of this technology are Olfactometer and Enose. Enose can detect smell and odour.

In 2020 Olfactometer virtual reality OVR technology has introduced a scent platform.It is software including plug-in for developers to add scent triggers and geometries to Virtual Reality objects. The combination of this Hardware, Software, Scentware platform delivers precise scent molecules based on the user's interactions and can help deliver improved immersion and presence for virtual reality training and wellness applications. Possible applications are Quality control, odour detection in storage area, air cleanliness monitoring,perishables monitoring, detection of virus and bacteria in any given environment. Also to buy products in online store, in theatres to create sense etc.

Ms. Vibhuti Jadhav
(2015 Batch Alumna)
Key Account Manager,
Jombay, Pune

Staff Achievements

Prof. S. T. Khot

(1) NPTEL online Certification course on subject "Enhancing Soft skills and Personality" passed with Elite certification and Gold Medal and also Topper in this respective course among 3466 national level participants.

(2) NPTEL online Certification course on subject "Emotional Intelligence" passed with Elite certification and Silver Medal.

(3) NPTEL online Certification course on subject "Speaking Effectively" passed with Elite certification and Silver Medal.

(4) NPTEL online Certification course on subject "Principles of Human Resource Management" passed with Elite certification.

Prof. Dr. S. S. Chorage

NPTEL online Certification course on subject "Principles of Human Resource Management" passed with Elite certification.

Mrs. S. A. Itkarkar

(1)Awarded as "Inspirational Women" from Bharati Vidyapeeth Police Station, Women Efficient Committee on the occasion of International Women's Day, 8th March 2021.

(2)Awarded as "Kartavyanishth Mahila" from Abhinav Education Society on the occasion of International Women's Day, 8th March 2021.

Ms. R. J. Sapkal

NPTEL online Certification course on subject "Roadmap for Patent Creation" passed with Elite certification.

Mr. R. M. Shamalik

NPTEL online Certification course on subject "Introduction to Machine Learning" passed with Elite certification.

Students' Achievements

A BE Project on "Big Mart Sales Prediction System using Machine Learning" by Ms Prabha Adsul, Ms. Pranita Dharmadhikari, Ms. Aditi Gawande under the guidance of Dr. S.M .Rajbhoj was shortlisted for the Convention of the Chhatra Vishwakarma Awards 2020, which is being organized by All India Council for Technical Education (AICTE) on the Theme of - India's Economic Recovery Post Covid; Reverse Migration and Rehabilitation Plan to support "Atmanirbhar Bharat".

(Department of Engineering Sciences and Allied Engineering)

Sr. No.	Name of Student	Name of Scholarship Received	Amount (Rs.)
1.	Chetana Mahesh Dusane	Lila Poonawalla Foundation Scholarship	60,000/-
2.	Divekar Samrudhhi Vijay	Lila Poonawalla Foundation Scholarship	60,000/-
3.	Jadhav Arpita Sanjay	Lila Poonawalla Foundation Scholarship	60,000/-
4.	Jadhav Shweta Goraksha	Lila Poonawalla Foundation Scholarship	60,000/-
5.	Jagadale Vaishnavi Nitin	Lila Poonawalla Foundation Scholarship	60,000/-
6.	Kshirsagar Shweta C.	Lila Poonawalla Foundation Scholarship	60,000/-
7.	Namrata Jadhav	Lila Poonawalla Foundation Scholarship	60,000/-
8.	Nikita Hemant Bankar	Lila Poonawalla Foundation Scholarship	60,000/-
9.	Potdar Madhura Mahesh	Lila Poonawalla Foundation Scholarship	60,000/-
10.	Puja Ambarnath Bharane	Lila Poonawalla Foundation Scholarship	60,000/-
11.	Sanjivani Nagnath Bulbule	Lila Poonawalla Foundation Scholarship	60,000/-
12.	Sharwari Santosh Bhalerao	Lila Poonawalla Foundation Scholarship	60,000/-
13.	Shivani Shivkant Mugale	Lila Poonawalla Foundation Scholarship	60,000/-
14.	Shweta Shantaram Shivale	Lila Poonawalla Foundation Scholarship	60,000/-
15.	Vaishnavi Rakesh Patange	Lila Poonawalla Foundation Scholarship	60,000/-
16.	Vrushali Uday Gaikwad	Lila Poonawalla Foundation Scholarship	60,000/-
17.	Chanchal Prabhakar Bundele	Lila Poonawalla Foundation Scholarship	55,000/-
18.	Pranjal Dipak Suryvanshee	Lila Poonawalla Foundation Scholarship	55,000/-

Sr. No.	Name of Student	Name of Scholarship Received	Amount (Rs.)
19.	Rutika Santosh Bhosale	Lila Poonawalla Foundation Scholarship	55,000/-
20.	Rutuja Sunil Chatur	Lila Poonawalla Foundation Scholarship	55,000/-
21.	Tanvi Pramod Mahajan	Lila Poonawalla Foundation Scholarship	55,000/-
22.	Jadhav Shraddha Ramdas	Lila Poonawalla Foundation Scholarship	50,000/-
23.	Sejal Rajendra Pawar	Lila Poonawalla Foundation Scholarship	50,000/-
24.	Anuradha Suresh Pachpute	Lila Poonawalla Foundation Scholarship	45,000/-
25.	Jagtap Sakshi Nitin	Lila Poonawalla Foundation Scholarship	45,000/-
26.	Kirti Dattatray Mhaske	Lila Poonawalla Foundation Scholarship	45,000/-
27.	Pachpute Anuradha Suresh	Lila Poonawalla Foundation Scholarship	45,000/-
28.	Pratiksha Bhise	Lila Poonawalla Foundation Scholarship	45,000/-
29.	Shubhangi Shahisram Divate	Lila Poonawalla Foundation Scholarship	45,000/-
30.	Siddhi Dipak Pasalkar	Lila Poonawalla Foundation Scholarship	45,000/-
31.	Zende Bhagyashri Suhas	Lila Poonawalla Foundation Scholarship	45,000/-
32.	Trupti Ananda Pacharne	Kiran Scholarship, Persistent Foundation	40,000/-
33.	Samita Simon Ganveer	Rolls-Royce Unnati Scholarship	35,000/-
34.	Ahilya Pandurang Bandgar	Lila Poonawalla Foundation Scholarship	17,052/-
35.	Rupanavar PrajaktaTanaji	Lila Poonawalla Foundation Scholarship	17,000/-
36.	Pawar Jyoti Arjun	Lila Poonawalla Foundation Scholarship	16,052/-

Our Esteemed Recruiters

Placement for Academic Year 2020-2021

Sr.No.	Name of the Student	Company	Sr.No.	Name of the Student	Company
1	ANITA KUMARI	CAPGEMINI	19	RASHIKA	CGI
2	BHAGYASHREE RAUT	VODAFONE	20	REENA KUMARI	HEXAWARE
3	DHANSHREE BOROLE	UBISOFT	21	SRUSHTI WANKHEDE	CGI
4	DHANSHREE BOROLE	VODAFONE	22	SUJATA KUMARI	ITWorldWeb.com
5	GAURI PAI	VODAFONE	23	SURABHI DAS	CAPGEMINI
6	GAURI JANAWADE	WIPRO	24	VAISHNAVI CHORGE	CGI
7	ANKITA MANDKE	UBISOFT	25	PRAJAKTA BHAME	ATOS GLOBAL
8	ANKITA MANDKE	ACCENTURE	26	PRIYANKA TRIPATHI	ACCENTURE
9	PRANALI NANAWARE	CGI	27	ACHAL YEDE	ACCENTURE
10	GARGI NIGADE	UBISOFT	28	GAURI JANAWADE	ACCENTURE
11	SEEMARN PARATE	CAPGEMINI	29	KALYANI BHALERAO	ACCENTURE
12	DEEPIKA PATIL	UBISOFT	30	ANUJA SHINDE	ACCENTURE
13	SHRUTI PATIL	CAPGEMINI	31	KRISHNA JAISWAL	INFOSYS
14	SHRUTI PATIL	JARO EDUCATION	32	ACHAL YEDE	INFOSYS
15	SHRUTI PATIL	TCS	33	PRABHA ADSUL	INFOSYS
16	SHRUTI PATIL	MEDITAB	34	REENA KUMARI	INFOSYS
17	PRAGATI KAMTHE	TCS	35	SAKSHI SUTAR	CDAT TECH.
18	PRIYANKA BERA	TCS	36	DEEPIKA PATIL	CAPGEMINI

Editorial Board