



**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@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	628537250 F
2	B.E. Computer Engg. (CE)	60	628524550 F
3	B.E. Information Technology (IT)	60	628524650 F

Post Graduate Programme

Sr. No.	Course	Intake	Course Code
1	M.E. (E & TC-VLSI & Embedded System)	18	628534150 F

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

Dear Students, parents and all the stakeholders,

Greetings from BVCOEW, Pune!

Hope you all are well and keeping good health. I am really delighted to release the e-newsletter 'Blessings...', Volume 5, Issue 1, A. Y. 2022-23 of our college. After two years of COVID-19 pandemic and online education, we have once again started functioning in 'offline' mode from February 2022 with all necessary safety precautions. Once again we are enjoying the liveliness of academic in classrooms and laboratories with our dear students. The e-newsletter is very powerful platform to present all the technical activities, achievements of students and teachers during last semester. I highly appreciate the team efforts of Coordinator Prof. Dr. Deepali Godse, all Chief Editors and Editors for making of the e-newsletter a grand success. I also extend my best wishes to the student editorial team. The e-newsletter is the outcome of great teamwork and we always believe in "TEAMWORK IS THE KEY TO SUCCESS".

From the Desk of Coordinator...



Prof. Dr. D. A. Godse

Newsletter Coordinator

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

It's really a great experience to look back, collect details of all the achievements and technical activities performed during the last semester and present them to all our stakeholders via e-newsletter. The main focus of our Institution is to empower girl students with sound knowledge, wisdom, experience and training both at the academic level of Engineering and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipment combined with a galaxy of competent, talented and dedicated faculty contribute to an enjoyable and an easy learning experience. We are very happy to have favorable environment for our students and staff to conduct and participate in curricular, co-curricular and extra-curricular activities. Our students are performing well in industries under internship and placement activities. Our staff members are contributing greatly in research and publication.

I, as a Coordinator of e-newsletter feel lucky to have an enthusiastic and hardworking editorial team.

It's a great pleasure to have blessings of our Saheb, Honorable Founder of Bharati Vidyapeeth, Dr. Patangraoji Kadam forever.

Always appreciate all the blessings in your life!

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

I am incredibly happy and proud to be writing this message for this newsletter. My best wishes go out to the staff and student team who worked tirelessly and in unison to produce this edition.

Our department of Electronics and Telecommunication Engineering has an undergraduate admission intake of 120 while the postgraduate intake of 18. The faculty in our department is always thriving for betterment of students in all aspects. Faculty in the department is highly qualified with an average experience of 10 years. Department has received prestigious grants from AICTE-MODROB, SPICES and ATAL FDP approximating total value of 10,66,500/-. Additionally, our students also secure among top 10 ranks in the University. The department has all of the most recent software and hardware equipment including Virtex-5 Kits, Satellite Trainer Kits, MATLAB, Xilinx, and LABVIEW. With these provisions and benefits, the department is dedicated to fostering careers, enlarging minds, and offering once-in-a-lifetime experiences.

The Newsletter team is deserving of my admiration for their ultramodern concept of an e-newsletter, which is undoubtedly an eco-friendly proposal and will also be advantageous to the Institute's stakeholders. I welcome you all after this brief review and with a quote of Mr. Winston Churchill "Failure is not final; Success is not fatal; it is the courage to continue that counts".

“Digital Poster Presentation”



Winning Posters of the Event

An Event of **DIGITAL POSTER PRESENTATION** was organized by Bharati Vidyapeeth's College of Engineering for Women under the funds received to ETSA (Electronics and Telecommunication Students' Association) in association with CESA (Computer Engineering Students' Association) and ITechS'A (Information Technology Students' Association). These funds were received from AICTE (All India Council for Technical Education)-SPICES (Scheme for Promoting Interests, Creativity and Ethics among the students) under the coordination of Prof. Dr. S. R. Patil, Principal, (B.V.C.O.E.W.) and Dr. V. R. Pawar, Associate Professor, E&TC Engg. Department. This event was organised in online mode under “ZEST FIESTA” on 27th September 2022 for Second Year (S.E.), Third Year (T.E.) and Final Year (B.E.) students of Electronics and Telecommunication Engineering Department, Computer Engineering Department and Information Technology Department. The topic for the Digital Poster Making was “BRAIN DRAIN”.

All the participated students had made very impressive and knowledgeable posters. These posters represented the technical abilities, research, creativity, resource selection and imaginative ability of the students. Various kinds of thoughts, facts, beliefs related to the topic brain drain were covered. Their efforts behind the posters could be seen from their presentation and were also appreciated by the Judges.

The “ZEST FIESTA” event was held from 27th September to 30th September 2022. In these four days, a variety of events and competitions such as Elocution Competition, Dancing and Singing Competitions, Cooking Competition along with Fashion Show, Mehendi and Rangoli Competition, Drawing and Painting Competition were held for technical and overall development of students.

This event was a very well thought event for overall development of students conducted with proper planning and timely execution by the staff committee members, Mrs. A. P. Kadam, Mrs. M. A. Rane, Mrs. P. R. Yawle and Ms. K. D. Mahajan with the great support of student's coordinators.

Workshop on *Internet of Things*



A five days workshop on “Internet of Things” was organized by ETSA (Electronics and Telecommunication Student’s Association), Electronics and Telecommunication Engineering Department for fourth year (B.E.) students in association with Dolphin Labs, Pune, from 11th October 2022 to 15th October 2022. The speaker of the workshop was Mr. Chittaranjan Mahajan, Founder, Dolphin Labs, Pune.

The training workshop was opened with a lot of enthusiasm from the speaker as well as from the students. The workshop was started by revising basic terms and introducing new terms useful for the further sessions by the speaker. He explained the terms in such an interesting way that many of the students were eagerly asking doubts related which just showed that how much interest the students were in learning the new concepts.

The practical sessions started by downloading Arduino software which was required for mostly practical’s that were going to be performed. After basic input and output interfaces further session continued with interfacing of Arduino with Bluetooth and control the switches through phones rather than using switches or buttons. Students experimented on interfacing between a DC motor and Arduino. Basically, the practical was to control the speed of the fan by using Arduino software which many students enjoyed doing. The Bluetooth model which was used for all practical was Node MCU i.e. Esp8266. Last day was all about the projects that could be done by students based on IoT and Arduino. A discussion session with lot of projects like social distancing alarm, fire alarm, home automation, rainfall detector etc was interesting and lot to learn from. Then the speaker also gave a short introduction on Raspberry- Pi and MQTT.

The workshop ended by vote of thanks given by a B.E. student. The Principal, Prof. Dr. S. R. Patil thanked Mr. Mahajan and his team for providing us with a lot of information, theoretical as well as practical. Prof. Dr. S. R. Patil sir also distributed certificates to all the participated students and the student coordinators of the workshop. The workshop was coordinated by Prof. S. A. Itkarkar and Prof. Y. R. Dhumal.

Technical Activities



SE : Seminar on “Study Abroad Opportunities” by Mr. Anand Bannatkar (ASAP Foreign Language Institute) on 7thSeptember 2022 .



SE: Seminar on “Data Structures & Algorithm” by Mr. Nagesh Mhetre(Click in computer, Pune) on 15thSeptember 2022 .

Sr. No.	Date	Activity	Resource Person	Staff Coordinator	Organizing Cell/ Department
1	27/08/2022	College level Webinar on “Career opportunities after Engineering”	Mr. Shankar Wadne ACE Engg. Academy	Mrs. V. D. Kulkarni	Career Guidance Cell

Quantum Computing



Quantum computing is an area of computer science that uses the principles of quantum theory. Quantum theory explains the behaviour of energy and material on the atomic and subatomic levels. Quantum computing uses subatomic particles, such as electrons or photons. Quantum bits, or qubits, allow these particles to exist in more than one state.

Modern quantum computing uses super-cold fluids to chill superconducting qubits--the qubit being to quantum computing what the bit is to classical computing. However, unlike bits, which each represent a 1 or a 0 in a computation, a qubit can be a 1 or a 0, or both at the same time, vastly increasing the potential values, combinations and number of paths computations simultaneously can take. An eight-qubit machine, with each qubit maintaining four value combinations, can have 32 total value combinations. This concept, called superposition, enables the creation of a large computational space in which tasks can be processed in parallel at much greater speed than classical computers.

Advantages of quantum computing:

They're fast: Ultimately, quantum computers have the potential to provide computational power on a scale that traditional computers cannot ever match.

They can solve complex problems: The more complex a problem, the harder it is for even a supercomputer to solve. When a classical computer fails, it's usually because of a huge degree of complexity and many interacting variables.

They can run complex simulations: The speed and complexity that quantum computing can achieve means that, in theory, a quantum computer could simulate many intricate systems.

Applications of quantum computing:

Molecular modelling: Using quantum computing to simulate quantum physics could provide new insights on things like how batteries operate or how proteins interact, which could help to revolutionise energy storage and medicine.

Database searching: Given the way that quantum computers solve problems, they could be used to store and search through massive amounts of data in a much quicker time than traditional computers.

Weather forecasting: Quantum computing could provide a boost in the level of complexity with which we predict the weather.



Ms. Madhura Mirikar
(2021 Batch Alumna)
Data Analyst at Standard
Chartered GBS
Chennai, India.

Achievements

Department of Engineering Sciences and Allied Engineering



Prof. Dr. A. M. Pawar

Head of Department

Recognition as a Ph.D. Research Guide of Savitribai Phule Pune University.

Department of Electronics & Telecommunication Engineering



Prof. Dr. S. R. Patil

Principal and Head of Department

Received prestigious award “Outstanding leader in Higher Education” by ELETS Education Innovation Summit on 10th December 2022 held in Pune.



Prof. Dr. S. S. Chorage

Published Patent application on the topic “Sensing and simulation system and method for exhaust air particulates exhausting from a device”.



Prof. Dr. V. R. Pawar

Published Patent application on the topic “Simple Pipe and Rod bending Attachment”.



Prof. Dr. S. L. Kore

Recognition as a Ph.D. Research Guide of Savitribai Phule Pune University.



Prof. Dr. S. S. Salunkhe

Successfully awarded Ph.D in Electronics Engineering by Bharati Vidyapeeth (Deemed to be) University on 3rd December, 2022 for her research on “Content Based Image Retrieval : A Hybrid Model Approach” .



Prof. M. S. Kasar

Published Patent application on the topic “A system for evaluating impact of integration of Banks and Crypto currency in a Demonetarized World” on 02/12/2022.



Prof. V. P. Mulik

Published Patent application on the topic “A system for evaluating impact of integration of Banks and Crypto currency in a Demonetized World” on 02/12/2022.



Prof. A. B. Vitekar

NPTEL online Certification course on subject “Design and Implementation of Human Computer Interface” with Elite grade.



Prof. A. P. Yadav

Published Patent application on the topic “Artificial Integrated Human Paradigm through Orthogonal Agility and Sustainable performa” on 16/09/2022.

NPTEL online Certification course on subject “Design and Implement of Human –computer Interface” with Elite grade.

Our Esteemed Recruiters



Reliance



Placements from June 2022 to December 2022

Sr.No.	Nameof the Student	Company	Sr.No.	Nameof the Student	Company
1	VAISHNAVI TONAGE	VODAFONE IDEA	22	AACHALJAISWAL	CAPGEMINI
2	JAHAGIRDAR MRUNAL	AMDOCS	23	AARTI SWAMI	CAPGEMINI
3	BIRADAR VAISHNAVI	AMDOCS	24	SHRUTI SARODE	CAPGEMINI
4	JAYASMITA SAHA	AMDOCS	25	SFURTIMUSMADE	CAPGEMINI
5	TANUSHREE DESALE	VOIS	26	JIDNYASA BHOGE	CAPGEMINI
6	SONALI DHAGE	VOIS	27	PRANITA PATIL	CAPGEMINI
7	SRUSHTI HALGE	VOIS	28	DISHA KAMTHE	CAPGEMINI
8	PRANJAL KOLI	VOIS	29	VIDHI AGRAWAL	CAPGEMINI
9	KANCHAN SURKUTLAWAR	VOIS	30	RUTUJA PATIL	CAPGEMINI
10	NIHARIKA NIKOSE	VOIS	31	SHREYA JADHAV	CAPGEMINI
11	ADYA PATHAK	VOIS	32	RUCHALI KHARTAD	CAPGEMINI
12	SAYALI PATIL	VOIS	33	DIYA JITURI	CAPGEMINI
13	SUPRIYA PAWAR	VOIS	34	SNEHAL SHITOLE	VODAFONE
14	ISHA RATHOD	VOIS	35	DIVYANSHI MISHRA	VODAFONE
15	ADITI ROKADE	VOIS	36	RADHIKA DESHPANDE	VODAFONE
16	VANSHIKA SABLE	VOIS	37	AISHWARYA HATKAR	VODAFONE
17	ESHA SINGH	VOIS	38	MUSKAN KANDHWAY	VODAFONE
18	PRAJAKTA THAKARE	VOIS	39	ASHWINISURYAWANSHI	VODAFONE
19	NEHA RAWAT	ACCENTURE	40	GEETANJALI GUTTE	VODAFONE
20	JANHAVI JADHAV	ACCENTURE	41	PRANAVI KUSHIRE	TCS
21	RUTUJA SURYAWANSHI	ACCENTURE			

Editorial Board



Prof. Dr. S. R. Patil
Principal, BVCOEW and H.O.D.(E&TC)



Prof. Dr. D. A. Godse
Newsletter Coordinator



Prof. V. S. Karambelkar
Chief Editor (E&TC)



Prof. K. D. Mahajan
Editor (E&TC)



Prof. Dr. S. S. Jadhav
F.E. Staff



Prof. D. P. Chopade
F.E. Staff



Tanushree Desale
(B.E. E&TC)



Nikita Kendre
(T.E. E&TC)



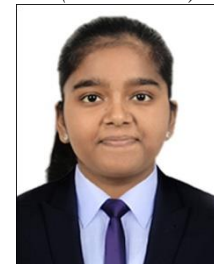
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Siddeshri Kunnure
(S.E.E&TC)