

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

BLESSINGS







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
Ited to Savitribai Phule Pune University, Formerly University

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

Post Graduate Programme

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

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=epla85ikhj6s



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 4, Issue 2, A. Y. 2021-22 of our college. After 2 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, Chief Editors and Editors for making 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

Hello everyone!

I am extremely delighted and proud to announce the release of our e-newsletter, Volume4, Issue 2, AY 2021-22. It's a pleasure that after two years our institute has organized activities in offline mode again with hard work and keeping in mind the safety and security. Our editorial team enthusiastically worked as usual for reflecting these activities via e-newsletter. We are back with photographs of all activities organized in the institute physically during last semester instead of the screenshots of online events as done for last four semesters. As the Greek philosopher, Heraclitus said, "Change is the only constant." We should be ready to accept the change and face the situations. Our young, dynamic and energetic students and staff easily adapted to the situations. In order to keep the stakeholders widely interested and updated, we release the e-newsletter at the start of each semester. The e-newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us.

I would like to extend my sincere thanks to our Principal, Prof. Dr. S.R. Patil, all Heads of Department, staff members and beloved students. I truly appreciate dedicated and systematic efforts of the editorial team members.

I am sure, this tradition of communicating the significant technical events and activities with our stakeholders will be continued forever with the blessings of our honourable Founder of Bharati Vidyapeeth, Dr.Patangraoji Kadam Saheb via e-newletter, "Blessings...".

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 writing this message for this Newsletter with immense pleasure and pride. My best wishes to the team of faculty and students who took limitless efforts and solidarity on this newsletter.

Electronics and Telecommunication Engineering Department has an intake of 120 for UG and PG course of intake 18. Our department is foremost and continuously getting upgraded. Department has highly qualified faculty. Department has received prestigious grants from AICTE-MODROB, SPICES and ATAL FDP approximating total value of 10,66,500/-. Our students also secure ranks among University Top 10 rankers. The department is fully equipped with the latest softwares required like MATLAB, Xilinx, LABVIEW etc and hardware equipments such as such as VNA, Satellite Trainer kit, Spectrum Analyzer, Virtex-5Kits 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 with a quote of our great leader, Dr. APJ Abdul Kalam, "Thinking is Capital, Enterprise is way, Hard work is solution".

"Workshop on Excellent Bytes"

Workshop on "Excellent Bytes" was organized by Student Associations and Training cell of Bharati Vidyapeeth's College of Engineering for Women, Pune for Third year (TE) and final year (BE) students of all Departments. The webinar was organized under AICTE-SPICES grant on 11th February 2022. The speaker of the webinar wasMr. Aashish Jain from Carpe Diem Boot Camp.



Our college has received the AICTE: Scheme for promoting interests, creativity, and ethics among the students i.e., SPICES grant under the coordination of Prof. Dr. S.R. Patil, Principal, Bharati Vidyapeeth's College of Engineering for Women, Pune and Dr. V.R. Pawar, Associate Professor, Electronics and Telecommunication Department.

The first session of workshop started with the welcome speech by student member, Ms. Tanushree

Desai of TE E&TC.Prof. S. T. Khot, Training cell coordinator gave introduction of training cell followed by Dr. V. R. Pawar, who has given the information about SPICES grant. Then student member, Ms.Adya Pathak gave brief introduction of guest speaker, Mr. Ashish Jain. After this, Principal Prof. Dr. S.R. Patiladdressed the audience.He gave Bharati Vidyapeeth's brief introduction, organization information, role of different cells in organization, importance of co-curricular activities along with academics.

Workshop started with a very beautiful interaction of speaker and students with the use of chat box. The session further followed by a brief on the self or one's desires, dreams, passions and motivations. The speaker interacted with students on each point, took inputs and gave the tips on how to increase their self-esteem, boost confidence and how one can excel in any area like coding, communication skill etc. Students were encouraged to be optimistic and have a positive approach about everything in life.

The next session of workshop was focused on discussion about some strategies of time management, goal setting, self-control, planning, execution, distraction overcoming and session about etiquette was very informative. Most importantly, it was emphasized that students should love themselves and never lose confidence in achieving goals. The speaker suggested new ideas on "how to overcome failure". It was well thought workshop of motivating students to discover themselves.

Institute Level Activities

Sr. No.	Date	Activity	Staff Coordinators	Organizing Cell/ Department	
1	29-10-2021	Webinar on "Framework for technology driven Social Innovation"			
2	07-03-2022	Webinar on "Design Thinking for Innovation"	Ms.A.D.Khairkar	Institution's Innovation Cell	
3	04-04-2022	Webinar on "IPR Awareness Program"			
4	29-01-2022	Webinar on "How to clear GATE exam in first attempt"			
5	19-03-2022	Webinar on "Study Abroad for Engineers"	Mrs.V.D.Kulkarni	Career Guidance Cell	
6	23-04-2022	Webinar on "How to prepare for competitive exams- UPSC/MPSC"			
7	31-01-2022 to 02-02-2022	Workshop on "Electronic Skill Development"	Ms. K.R. Chaudhari	Department of Electronics &Telecommunication	

Staffs' Achievement

(Department of Engineering Sciences and Allied Engineering)



➤ Prof. Dr. Avinash M. Pawar

Patent on "CATHODE TOOL -2", was granted on 28 January 2022 by Government of India. Application No. and CRB No.-310841-22873,



> Prof. Dr. Smita S. Jadhav

Successfully completed Ph.D. on the title "Removal of Azo Dyes using Polyaniline and Substituted Polyaniline from Aqueous Solution", under the Guidance of Dr. Dipika Jaspal, Professor, Symbiosis Institute of Technology, Symbiosis International (Deemed University), Pune, Maharashtra.

Students' Achievement (Department of Engineering Sciences and Allied Engineering)

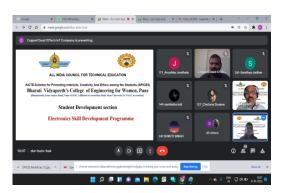
In A.Y. 2021-2022, 47 students from first year department have received Non –Government Scholarship.

Sr. no.	Name of the Student	Name of the scholarship received	Amount (Rs.)
1	Akkar Samiksha Santosh	Lila Poonawalla Foundation (LPF)	60,000/-
2	Firke Sanika Sandip	Lila Poonawalla Foundation (LPF)	30,000/-
3	Ghore Aishwarya Dilip	Lila Poonawalla Foundation (LPF)	55,000/-
4	KarkandeRutuja Vinod	Lila Poonawalla Foundation (LPF)	45,000/-
5	Kadam Svarupa Ramdas	Lila Poonawalla Foundation (LPF)	53,000/-
6	KondeShravani Somnath	Lila Poonawalla Foundation (LPF)	59,500/-
7	Pudale Manasvi Dilip	Persistent's Kiran girls' scholarship	40,000/-
8	Dnyaneshwari Sunil Mohotkar	Lila Poonawalla Foundation (LPF)	45,000/-
9	NarkhedeYogeshwari Sudhakar	Lila Poonawalla Foundation (LPF)	59,500/-
10	Chaitali Rajesh Nigade	Lila Poonawalla Foundation (LPF)	45,000/-
11	Pawar Kirti Namdeo	Lila Poonawalla Foundation (LPF)	60,000/-
12	SnehalSiddanathshinde	Lila Poonawalla Foundation (LPF)	60,000/-
13	Samruddhi Bhaskar Shitole	Lila Poonawalla Foundation (LPF)	45,000/-
14	PratikshaJitendra Suryawanshi	Lila Poonawalla Foundation (LPF)	45,000/-

15	Gayatri Maruti Temgire	Lila Poonawalla Foundation (LPF)	53,000/-	
16	Wagh Ananya Anand	Lila Poonawalla Foundation (LPF) 55,00		
17	Batwal Shraddha Ramdas	Lila Poonawalla Foundation (LPF)	60,000/-	
18	Neha Subhash Jamdade	Lila Poonawalla Foundation (LPF)	45,000/-	
19	Mansha Pravin Joshi	Lila Poonawalla Foundation (LPF)	60,000/-	
20	VedantiKhushalraoKakade	Lila Poonawalla Foundation (LPF)	30,000/-	
21	SiddeshriKunnure	Lila Poonawalla Foundation (LPF)	45,000/-	
22	Anushka Sanjay Mohite	Lila Poonawalla Foundation (LPF)	45,000/-	
23	Vaishnavi Sandip Patil	Lila Poonawalla Foundation (LPF)	55,000/-	
24	Trupti Sunil Pokharkar	Lila Poonawalla Foundation (LPF)	55,000/-	
25	Shinde PritiAnandrao.	Lila Poonawalla Foundation (LPF)	45,000/-	
26	Vaishnavi MahendraThorat	Lila Poonawalla Foundation (LPF)	60,000/-	
27	Janavi UmeshSarode	Lila Poonawalla Foundation (LPF)	45,000/-	
28	Das Mayuri Kantilal	Lila Poonawalla Foundation (LPF)	45,000/-	
29	Gunjan Sanjay Deshmukh	Lila Poonawalla Foundation (LPF)	53,000/-	
30	Pratiksha Bhaskar Dhembare	Lila Poonawalla Foundation (LPF)	45,000/-	
31	Disha BalasahebDharasurkar	Lila Poonawalla Foundation (LPF)	59,500/-	
32	Sakshi Sadashiv Ingale	Lila Poonawalla Foundation (LPF)	45,000/-	
33	Kadam Shweta Shashikant	Lila Poonawalla Foundation (LPF)	53,000/-	
34	Apurva Rajendra Nangare	Lila Poonawalla Foundation (LPF)	50,000/-	
35	Isha Vijay Patil	Lila Poonawalla Foundation (LPF)	53,000/-	
36	SanikaHanmantBhosale	Lila Poonawalla Foundation (LPF)	45,000/-	
37	Chaudhari Shruti Ravindra	Lila Poonawalla Foundation (LPF)	55,000/-	
38	Inamdar SharvariShrikrishna	Lila Poonawalla Foundation (LPF)	59,500/-	
39	FirdosMohd Haroon Maniyar	Lila Poonawalla Foundation (LPF)	60,000/-	
40	Patil Pallavi Bhimrao	Lila Poonawalla Foundation (LPF)	45,000/-	
41	Patil PrayujaShahaji	Lila Poonawalla Foundation (LPF)	30,000/-	
42	Laxmi RohidasSalekar	Lila Poonawalla Foundation (LPF)	45,000/-	
43	Shaikh AlnaazMurtaja	Lila Poonawalla Foundation (LPF)	55,000/-	
44	Arpita Sanjay Takalkar	Lila Poonawalla Foundation (LPF)	45,000/-	
45	Yeole Gayatri Valmik	Lila Poonawalla Foundation (LPF)	59,500/-	
46	Aishwarya Mashindra Jagtap	Lila Poonawalla Foundation (LPF)	45,000/-	
47	Aishwarya Mashindra Jagtap	Persistent's Kiran girls' scholarship	40,000/-	

Workshop on

Electronic Skill Development





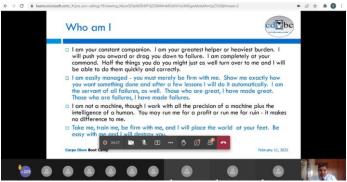
A three days workshop on "Electronic Skill Development" was organized by Electronics and Telecommunication Department for Second Year (SE) students under AICTE-SPICES grant in collaboration with Copper Cloud IOTech Pvt. Ltd., from 31st January2022 to 2nd February 2022. The speaker of the workshop was Mr. Abhijeet Deogirikar, the Founder & CEO of Copper Cloud IOTech, joined by Yogesh Yewale and Brigadier Vilas Deogirikar.

On 31st January2022, Prof. Dr. S. R. Patil, Principal gave inaugural speech and explained the motive of workshop and then introduction of speaker was given by event coordinator, Prof. K.R. Choudhari. Mr. Abhijeet Deogirikar started the workshop by giving an overview of the contents of the workshop and tools like Arduino IDE, Multisim and Express PCB. The speaker taught about the Electronic Components and connections and also bread board and gave the introduction and applications using Arduino using sensors and actuators. Then Mr. Yogesh detailed about "Using simulation software for design and testing of electronic devices on Tinker CAD" for our better understanding.

On *I*st February 2022, the session started by drawing layout of PCB using PCB design software with single sided PCB. Mr. Yogesh elaborated information about test equipment for testing, fault finding and repair etc. Then Mr. Abhijeet continued with discussion on assembling and utilizing mechanical parts such as DC motor, AC motors, sensors etc.

On 2nd February 2022, Mr. Abhijeet started the session by topic - Study and use of various types of batteries followed by Calculation of Power budget for and electronic circuit. Then he taught the practical demonstration of how to bring all these skills, tools and techniques together for building the electronic system. He also gave industry exposure and overview and demo of IOT. Lastly, a question-and-answer session was held. All the Q&A sessions were interactive with students asking the speaker on various aspects. The workshop was very beneficial. It covered information from a small electronic component to recent technology used in Industry.

Technical Activities



TE: Webinar on "Design Thinking, Critical Thinking and Innovation Design" by Prof. Dr. N. J. Uke (Trinity Academy of Engineering (TAE)) on 2nd March 2022.



SE: Webinar on "Engineering is Awesome" by Mr. Raghvan Koli on 25th March 2022.

Sr. No.	Date	Activity	Resource Person	Industry/ Company	Class
1	26-02-22	Webinar on "Awareness Program on Sexual Harassment and Prevention Guidelines"	Ms. Vaishali Tikale	Advocate, Mumbai High Court	FE
2	02-03-22	Webinar on "Design Thinking, Critical Thinking and Innovation Design"	Prof. Dr. N. J. Uke	Trinity Academy of Engineering (TAE)	TE
3	25-03-22	Webinar on "Engineering is awesome"	Mr. Raghvan Koli	Mumbai	SE

SPACE – BASED SOLAR POWER

Clean, Limitless Energy

For over a century, we have been burning fossil fuels to drive the industrial economies of the world. Whether coal, oil, or natural gas, these sources of energy have degraded our environment significantly. For decades, we have been concerned about the negative effects of extracting these fossil fuels. The dangerous coal mines and environmentally disastrous oil spills are two examples of these; but we now realize there is a much larger threat: climate change. The huge amounts of carbon dioxide released into the atmosphere by burning these fuels has reached a tipping point, and examples of climate change make headlines every week. Raging wildfires, devastating winter storms, and dying reefs are just a few examples.

What if we could find a new source of power that would not only leave Earth's environment unscathed, but allow our planet's atmosphere to recover? One that was limitless, had zero carbon emissions, and was highly competitive with coal, natural gas, and nuclear power? One that will work in harmony with solar and wind power, free us from dependence on foreign oil and that can beam power directly to the most remote,

impoverished regions on Earth?

s tr v

Well, we have one-SPACE - BASED SOLAR POWER.

Solar Energy is captured in space by large photovoltaic arrays and transmitted via a coherent microwave or laser beam to an Earth receiver where it is converted into base-load electric power, low-intensity charging power, or synthetic fuels. There are some different proposals and studies for improving and describing the system.

The system uses photovoltaic cell arrays in geostationary orbit 36,000 km above the surface of the Earth to generate power. The power is

converted into a microwave or laser beam.

To ensure its safety, there would be restricted access to the rectenna and the airspace over it. In the event of an on-orbit system malfunction, a redundant beam controller would prevent the beam from hitting areas other than the rectenna. In space, solar energy could be collected continually, regardless of weather and time of the day, enabling stable, efficient power generation. One of the main advantages of a solar power station is the continuous power generation. Clearly, one of the main challenges for any space-based solar power satellite is the construction of large structures in orbit. Not only does it require significant amounts of material to be launched into space, these materials will need to be assembled, maintained and possibly replaced over time. A second complication is related to the wireless power transmission to the Earth surface, which requires transmission via electromagnetic waves at high transfer efficiencies. Hence, to stay below safety limits, very large diameter receiver antenna's (or rectenna's) is needed; although in comparison to earth bases, the total area coverage will be smaller.

Ms. Gargi Nigade (2021 Batch Alumna) Pursuing PG-DAC CDAC ACTS, Pune

Achievements

Registered two copyrights.

Prof. Dr. S. M. Jagdale

Staff Achievements:



Prof. Dr. S. R. Patil
Two Candidates have been awarded Ph.D. degree of Savitribai
Phule Pune University under his guidance.
Published two patents.



Prof. S. A. Itkarkar

Awarded as a Social Worker by Vishwakarma May Yuva

Pratishthan, Pune on Occasion of International Women's Day, 8th

March 2022.



Successfully completed the degree of Doctorate of Philosophy in the topic "Robust Speaker Recognition Using Fusion of Low Level and High Level Features Such as Prosodic, Lexical Details" under the guidance of Prof. Dr. A. A. Shinde offered by Bharati Vidyapeeth (Deemed to be) University on 12th May 2022.



Prof. R. M. Shamalik

Published Patent application on the topic "DeFaB: A System for Gesture Detection using Foreground and Background separation with Depth Estimation" on 24th April 2022.

Student Achievements:

Ms. Preeti Rajaram Tarate has been selected for the National Integration Camp under National Service Scheme organised by Government of India, Ministry of Youth Affairs and Sports, Chennai and NSS Regional Directorate held at Bharathiar University, Coimbatore, Tamil Nadu from 18th May 2022 to 24th May 2022.

Our Esteemed Recruiters

















































Placements from January 2022 to June 2022

Sr.No.	Name of the Student	Company	Sr.No.	Name of the Student	Company
1	DEVYANI VILAS THERE	PERSISTENT	25	VRUSHALI SIDANAIK	VOIS
2	RUSHIKA HATWAR	L&T TECHNOLOGY	26	RUTUJA GATHE	INFRABEAT TECHNOLOGIES
3	ARTHA TAWARE	L&T TECHNOLOGY	27	KALYANI GADHAVE	RELIANCE JIO
4	SHREYA SUTAR	L&T TECHNOLOGY	28	SIDDHI DILIP JADHAV	VODAFONE IDEA INTERNSHIP
5	PRANJALI PATIL	WIPRO	29	DIPTI PIMPARKAR	VODAFONE IDEA INTERNSHIP
6	MANSI DILIP KULKARNI	WIPRO	30	PRIYANKA SAWALE	TCS
7	SHWETA VILAS VETAL	WIPRO	31	ANISHA PAWAR	L&T TECHNOLOGY
8	DHANASHRI HIREMATH	WIPRO	32	RUCHITA GOGAWALE	L&T TECHNOLOGY
9	PRIYANKA SAWALE	WIPRO	33	VAISHNAVI TONAGE	L&T TECHNOLOGY
10	POOJA KAILAS JAIN	CAPGEMINI	34	VAIBHAVI MUSALE	L&T TECHNOLOGY
11	KAUSHIKI BOPCHE	VOIS	35	RENUKA YOGESH KHER	L&T TECHNOLOGY
12	ADITI SANTOSH PILANE	VOIS	36	KALPANA SHINDE	L&T TECHNOLOGY
13	AISHWARYA SAWANT	VOIS	37	SHITAL MAMADGE	L&T TECHNOLOGY
14	RUTUJA NIKAM	VOIS	38	YASHASHRI KATALE	L&T TECHNOLOGY
15	VRUSHALI LOKHANDE	VOIS	39	SAKSHI BHINGARDE	L&T TECHNOLOGY
16	MANSI DILIP KULKARNI	VOIS	40	GAURI ANIL KADAM	L&T TECHNOLOGY
17	ANUPRIYA KUMARI	VOIS	41	SHAHISTA TAMBOLI	L&T TECHNOLOGY
18	SHWETA VILAS VETAL	VOIS	42	PRIYANKA SAKPAL	L&T TECHNOLOGY
19	SHREYA SHINDE	VOIS	43	SAKSHI KUMBHAR	MSYS TECHNOLOGIES
20	DHANASHRI HIREMATH	VOIS	44	ANUPRIYA KUMARI	WIPRO
21	ANKAM NISHA	VOIS	45	ANUPRIYA KUMARI	ELNFOCHIPS
22	PURVA KOMAJPILLEWAR	VOIS	46	PRATIKSHA GHOLAP	ITC INFOTECH
23	POOJA AJAY SHARMA	VOIS	47	NIKITA SOLUNKE	ITC INFOTECH
24	SHREYA SUTAR	VOIS	48	KALYANI GADHAVE	ITC INFOTECH

Editorial Board



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Madhura Mirikar (B.E. E&TC)



Tanushree Desale



(T.E. E&TC)



Niharika Nikose (T.E.E&TC)



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