



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

## Post Graduate Programme

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

### 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 x 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](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 Sahab, Honorable Founder of Bharati Vidyapeeth, Dr. Patangraoji Kadam forever.*

*Always appreciate all the blessings in your life!*

## Department of Information Technology

### *Vision*

*Globally competent women engineers through excellence in IT education.*

### *Mission*

- *Develop requisite skills and competencies in the field of IT.*
- *Groom students for responsible and rewarding careers in the field of IT.*
- *Build confidence and personality development through curricular, co-curricular and extra-curricular activities.*

### *HOD's Message*



**Prof. Dr. D. A. Godse**  
**Head of Information Technology Department**

*The department of Information Technology offers excellent academic environment with a team of highly experienced, well qualified and dedicated faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them.*

*We always encourage students to participate in various project competitions such as Avishkar, Maharashtra State Inter-University Project Competition, Natarajan Education Society (NES) Innovation Awards Project Competition etc. The staff members guide students to write paper based on project work, present it in conference and also to publish in reputed journal. I, as a head of the department would like to thank all the faculty members, supporting staff and students for their support and sincere efforts for the betterment and development of department.*

*We, the Department of Information Technology, feel our enthusiasm to publish the Volume 5, Issue 1 of our departmental semester wise newsletter, "Blessings". On this occasion, I congratulate all the team members of the editorial board for bringing up this issue.*

*With best wishes for healthy and prosperous year ahead....*

## “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 ITech'S'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 27<sup>th</sup> 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 27<sup>th</sup> September to 30<sup>th</sup> 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 students coordinators.

## Major Technical Activity

Avishkar is an inter university research project competition annually organized by Savitribai Phule Pune University to enhance the culture of research among the students. In view of this, Department of Information Technology had organized a college level project competition Avishkar'2022 for shortlisting the project groups to participate in zonal level of Avishkar competition. The competition was held on 8<sup>th</sup> September 2022 in network laboratory. Inauguration of the competition was held in the presence of Prof. Dr. S. R. Patil, Principal, Bharati Vidyapeeth's College of Engineering for Women, Pune, Prof. Dr. D. A. Godse, Head of Department of Information Technology, Dr. V. R. Pawar, Academic Research Coordinator of the institute and Dr. Ketaki Malgi, Project Coordinator of Department of Information Technology. The department had nominated five project groups from twenty two project groups to participate in college level competition. The criteria for nomination of the project groups were existence of societal benefit and innovation in the project. The selected project groups represented their idea in front of external examiner with the help of poster and Power Point presentation. The external examiner for this competition was Prof. V. G. Dixit, senior faculty member of P.E.S. Modern College of Engineering, Pune. She evaluated the groups based on rubrics of relevance, methodology, contribution, innovation, and outcome of the project. Out of five project groups, two project groups qualified for the participation in Avishkar, Maharashtra State Inter-university Project Competition. The competition was coordinated by Dr. Ketaki Malgi, Project Coordinator of Department of Information Technology under the guidance of Prof. Dr. D. A. Godse, Head of Department of Information Technology.



## Industry-Institute Interaction

Sr. No.	Date	Activity	Industry/ Company	Class
1.	27-08-2022	College level Webinar on "Career Opportunities after Engineering"	ACE Engineering. Academy	SE, TE, BE
2.	30-08-2022	Seminar on "Programming Techniques"	Click in, Pune	SE IT
3.	07-09-2022	Seminar on "Study Abroad Opportunities(Foreign Languages)"	ASAP Foreign Language Institute, Pune	SE IT
4.	16-09-2022	Seminar on "Higher Studies Abroad and Further Opportunities and IELTS"	IDP, Pune	TE IT
5.	23-09-2022	Seminar on "Career Opportunities in IT"	IANT, Pune	SE IT, TE IT
6.	07-10-2022	Seminar on "Careers in Information Technology"	Swaptechnobiz Pvt. Ltd., Pune	SE IT
7.	14-10-2022	Seminar on "How can students get 100% scholarship to study abroad"	Edwise International, Pune	TE IT, BE IT

## Technical Activities



Seminar on "Website Development using Word Press" by Ms. Shruti Lokhande, Senior Systems Engineer, Infosys Private Limited, Pune



Seminar on "Introduction to Entrepreneurship Development" by Ms. Prachiti Thorat, Owner of Dehati-All day café , Pune



Seminar on "Career opportunities in Indian Armed Forces for women-come join the team" by Mr. Sanjay Pethkar, Group Captain (Retd) Indian Air Force Pilot, Selection Board Assessor, Armed Forces Trainer Dignitary Defence Academy, Pune



Workshop on "Programming in Multilayer Network Model" by Mr. Yogesh Murumkar, Director, Bharat Soft Solutions Pvt. Ltd., Pune



Seminar on "Internship Opportunities in current IT Trends" by Dr. Prakash Sharma, Passion IT Framework



Workshop on "Current Trends in the Industry" by Mr. A. B. Aher, Founder & Director, KasNet Technologies Pvt. Ltd. Pune



## Data Science

Today, even if I say that *on every breath of our life we are generating data*, will not look like an exaggerative statement. Why? Because we do...!! ☺

And you know how are we doing it? Well, we will either find ourselves accessing social media platforms such as Whatsapp, Facebook, Instagram, Twitter or watching series/movies on OTT platforms like Netflix, Amazon Prime or doing digital payments or ordering food online and many more online activities. So basically now-a-days we all are so interconnected digitally by means of e-commerce, social or medical platform, that in a single day, million bytes of data is getting generated. If we consider the whole world, quintillion bytes of data must have been generated in a day, right? You have to agree with me!! ☺

Despite of how many times you are connecting to digital platform, all online transactions are immediately getting reflected in your accounts the next moment you made the online transaction. You always find the correct and relevant information or area of interest suggestions. Isn't it magical?

Yes! It is magical. And **DATA SCIENCE** is doing this magic! Nowadays, business in each industry is overwhelmed with data and Data Science tools and technologies help them to process all of them. Hence Data Science has become an essential part of many industries.

### So what is Data Science?

Data Science is the domain of study that deals with vast volumes of data using modern tools and techniques to find unseen patterns, derive

meaningful information and make business decisions. As a result organizations are increasingly reliant on Data Science to interpret their data so that they can learn and get benefitted from that data.

It is one of the fastest growing fields across every industry. In fact, **Harvard Business Review** dubbed data scientist as **'The sexiest job of the 21<sup>st</sup> Century'** and **Glassdoor** named it as **"Number one job in US"**

### Data Science Life Cycle

Now you know what data science is, let's see why data science is essential.

By looking at the Data Science Life Cycle we will get a clear idea about its importance in today's IT landscape. It comprises of stages shown in the figure below.

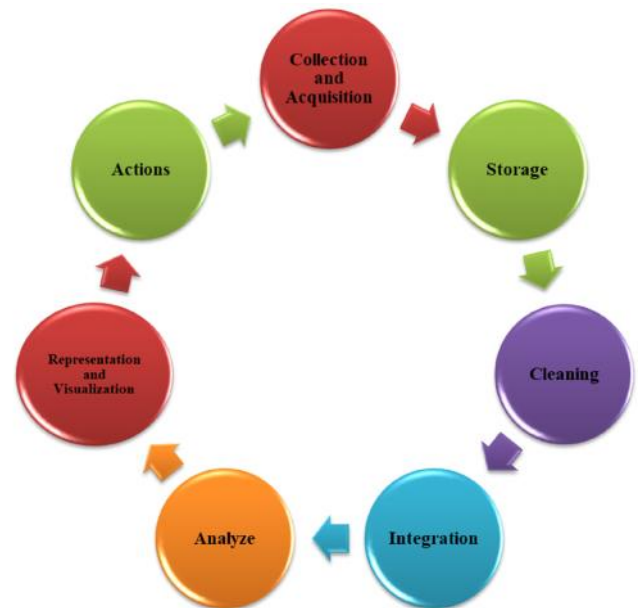


Fig 1: Data Science Life Cycle

### 1. Collection and Acquisition

As we know, while surfing the internet you can find the data either in text, images or video format. So, as data is in different formats, companies need to consider different storage systems for their structured and unstructured data. Data Science Data Management team helps to facilitates workflows around the analytics and deep learning models.

### 2. Storage, Cleaning and Integration

Once the data gathered, data scientist processes it and converts it into a business useful format suitable for analysis. This is done by data cleaning, de-duplicating, transforming by means of ETL jobs, Data Mining, Clustering/Classification, Data Modelling, Data Summarization or other data integration technologies. This stage gives guarantee for data uniformity, completeness and accuracy.

### 3. Analyze

Data Scientist helps business users to determine the data's relevance for use within modeling efforts for predictive analytics, exploratory analysis, hidden business patterns and trends. Depending on a model's accuracy, organizations can become reliant on these insights for business decision making, allowing them to drive more scalability.

### 4. Representation & Visualization and Actions

Data scientist interprets the data to find the opportunities and solutions. By preparing data insights and visualizations Data Scientist

communicates the business results to business users and stakeholders for their decision making.

## Data Scientist

By definition, Data Scientist is an analytical professional who is responsible for collecting, analyzing and interpreting data to help drive decision-making in an organization. He/she can build machine learning models, scale the efforts at large level, leverage the software engineering skills and common programming languages such as R and Python to optimize a program or to conduct more statistical inference and data visualization.



Fig 2. Skill Set

Thus, an individual who is willing to get into Data Science must possess the above skills as Data science is an emerging field which is revolutionizing both science and industries.



**Uma V Sabale**  
**BI Tech Lead and Business Analyst,**  
**Tata Consultancy Services,**  
**Pune**

**(Alumna, Batch 2010-11)**

## Achievements

### Staff

#### Department of Engg. Sciences and Allied Engg.



**Prof. Dr. A. M. Pawar**  
Head of Department

**Prof. Dr. A. M. Pawar** has received recognition as a Ph.D. Research Guide of Savitribai Phule Pune University.



**Prof. S. B. Dhuttargi**



**Prof. Dr. S. S. Thite**

#### Department of Information Technology

**Prof. S. B. Dhuttargi** successfully completed NPTEL Online Certification Course "Distributed Systems" (8 weeks course) organized by IIT Kanpur with Elite + Silver Grade (Score 82%). She is among the top 5% candidates.

#### Prof. Dr. S. S. Thite

- Received Incentive Grant of Rs.2,50,000/- from Ministry of Electronics and Information Technology, Government of India, for successful completion of the Ph.D. under Visvesvaraya Ph.D. Scheme for Electronics & IT, Year 2022.
- Successfully completed Online Certification Course on "The fundamentals of Digital Marketing" organized by Google.
- Successfully completed Online Certification on "General Course of Intellectual Property" organized by World Intellectual Property Organization.

### Student

**Anam Bagwan** (T.E. I.T.) **Utkarsha Kakade** (T.E. I.T.) and **Kirti Pawar** (S.E. I.T.) have been offered a scholarship of Rs.60,000/- each, by Lila Poonawalla Foundation.

**Alnaaz Shaikh** (S.E. I.T.), **Svarupa Kadam** (S.E. I.T.) and **Apurva Nangare** (S.E. I.T.) have been offered a Scholarship of Rs.55,000/-, Rs.53,000/- and Rs.50,000/- respectively by Lila Poonawalla Foundation.

**Chaitali Nigade**, **Mayuri Das**, **Pallavi Patil**, **Rutuja Karkande**, **Samruddhi Shitole**, **Sanika Bhosale** from S.E. I.T. have been offered a scholarship of Rs.45,000/- each, by Lila Poonawalla Foundation.

**Manasvi Pudale** (S.E. I.T.) has been offered Kiran's Scholarship of Rs.40,000/- by Persistent Foundation Limited.

**Prayuja Patil** (S.E. I.T.) has been offered a scholarship of Rs.30,000/- by Lila Poonawalla Foundation.



**Anam Bagwan**



**Utkarsha Kakade**



**Kirti Pawar**



**Alnaaz Shaikh**



**Svarupa Kadam**



**Apurva Nangare**



**Chaitali Nigade**



**Mayuri Das**



**Pallavi Patil**



**Rutuja Karkande**



**Samruddhi Shitole**



**Sanika Bhosale**



**Manasvi Pudale**



**Prayuja Patil**

### Placements from June 2022 to December 2022

SR. NO.	NAME	COMPANY
1.	Bhakti Sawant	Accenture
2.	Ishika Gupta	Accenture
3.	Kshitija Patankar	Accenture
4.	Sakshi Patange	Accenture
5.	Shraddha Lokhande	Accenture
6.	Simran Dsouza	Accenture
7.	Aditi Shinde	Amdocs
8.	Aknksha Patil	Amdocs
9.	Aditi Shinde	Capgemini
10.	Alfija Sayyad	Capgemini
11.	Isha Dhanawade	Capgemini
12.	Ishika Gupta	Capgemini
13.	Ishita Zambare	Capgemini
14.	Komal Patil	Capgemini
15.	Kshitija Patankar	Capgemini
16.	Manasi Potre	Capgemini
17.	Mandira Rai	Capgemini
18.	Pranjal Chaudhari	Capgemini
19.	Priyanka Jadhav	Capgemini
20.	Shambhavi Swami	Capgemini
21.	Shraddha Lokhande	Capgemini
22.	Shruti Mane	Capgemini
23.	Simran Dsouza	Capgemini
24.	Vaishnavi Gahin	Capgemini

SR. NO.	NAME	COMPANY
25.	Vidhi Jain	Capgemini
26.	Vaibhavi Gawas	Cimpress
27.	Vaishnavi Pathade	Cimpress
28.	Prajakta Thorat	Huron
29.	Sonal Garje	Huron
30.	Ayesha Sayyed	NielsenIQ
31.	Garima Gupta	NielsenIQ
32.	Janhavi Patil	NielsenIQ
33.	Komal Patil	NielsenIQ
34.	Shraddha Lokhande	NielsenIQ
35.	Avantika Ladwane	Persistent
36.	Vaishnavi Pathade	Persistent
37.	Madhavi Ingale	TCS
38.	Rutuja Rawas	TCS
39.	Pranjal Chaudhari	TCS Digital
40.	Aachal Bhatt	VOIS
41.	Dhanashree Vaidya	VOIS
42.	Ishika Gupta	VOIS
43.	Ishita Zambare	VOIS
44.	Kshitija Patankar	VOIS
45.	Manasi Potre	VOIS
46.	Sakshi Patange	VOIS
47.	Shraddha Lokhande	VOIS
48.	Srushti Mane	VOIS

## Our Esteemed Recruiters



## Editorial Board



*Prof. Dr. S. R. Patil  
Principal, BVCOEW*



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Newsletter Coordinator and H.O.D. I.T.*



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*Ms. N. A. Mulla  
Editor(IT)*



*Mrs. D. P. Chopade  
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(T.E. I.T.)*



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*Rutuja Chatur  
(T.E. I.T.)*



*Radhika Dhangare  
(S.E. I.T.)*