



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@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)	09	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



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 2, A.Y. 2022-23 of our college. The e-newsletter is very powerful platform to present all the technical activities, achievements of students and teachers during last semester.

I am happy that we could conduct many technical and extracurricular activities for our students in the last semester. Conducting a variety of technical and extracurricular activities can greatly enhance students' educational experience and helpful for their overall personality development.

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".

Internal Quality Assurance Cell (IQAC)

IQAC Objectives:

- To imbibe quality environment at institute in all academic and administrative processes.
- To be instrumental in review of teaching learning process, structures, methodologies and student centric methods for achieving best educational environment.

Roles and responsibilities of IQAC:

- Keeping regular updates of NAAC and other quality improvement circulars.
- Conducting regular meetings of IQAC.
- Preparing Strategic plan of the institute.
- Preparation and submission of Annual Quality Assurance Report (AQAR) yearly.
- Maintaining academic records and conducting various audits at required intervals.
- Taking review of updating and updation of hardware and software requirements and internet facilities.
- Updating feedback forms as per guidelines from regulatory bodies.
- Providing guidelines for implementing ERP.
- Organizing various technical and nontechnical events.
- Preparation of reports of various activities for quality improvement.

Members List:

Sr. No.	Name of the IQAC Member	Designation	Position
1	Dr. S. R. Patil	Head of the Institute	Chairperson
2	Prof. D. D. Pukale	HOD, Computer Engineering	Teacher Representative
3	Dr. D. A. Godse	HOD, Information Technology	Teacher Representative
4	Dr. A. M. Pawar	HOD, Engineering Sciences and Allied Engineering	Teacher Representative
5	Dr. K. A. Malgi	ICT & IT Infrastructure Coordinator Member	Teacher Representative
6	Prof. Thorat S.M.	Alumni Coordinator	Teacher Representative
7	Prof. P. D. Kale	Placement cell Coordinator	Teacher Representative
8	Dr. V. R. Pawar	Academic & Research Coordinator	Teacher Representative
9	Dr. S. M. Rajbhoj	Industry institute Interaction	Teacher Representative
10	Prof. S.T. Khot	Professor E & TC	Teacher Representative
11	Dr. K. D. Jadhav	Joint Secretary of Bharati Vidyapeeth	Member of Management
12	Dr. S. F. Patil	Executive Director of Bharati Vidyapeeth	Member of Management
13	Mrs. V. S. Kadam	Office Superintendent	Admin. Representative
14	Dr. V. M. Mohite	Librarian	Admin. Representative
15	Ms. Shital Patil	Alumni	Admin. Representative
16	Ms. Khushi Pramod Mittal	Student	Student Representative
17	Mr. Nitynand Tendulkar	Industry	Industry Representative
18	Mr. Sanjaykumar Gupta	Parent	Parent Representative
19	Dr. S. S. Chorage	Professor E & TC	IQAC Coordinator, NAAC Central Coordinator

From the Desk of Coordinator...



Prof. Ms. N.A. Mulla

Newsletter Coordinator

We are forever grateful for the blessings of the Honorable founder of Bharati Vidyapeeth, Dr. Patangraoji Kadam Saheb. With his guidance, our institute continues to strive for continuous improvement and progress.

We take pride in sharing the technical activities and achievements of our students and staff with our stakeholders through our e-newsletter. We are thankful to the eminent speakers and experts from industries, companies, academia, and alumnae for their valuable training and guidance to our students in various technical activities. Their cooperation helps bridge the gap between the industry and the institute. We extend our special thanks to the esteemed recruiters who have selected our students through placement activities and are providing opportunities for them to work at their companies.

I would like to express my gratitude to Prof. Dr. S. R. Patil, Principal, and Prof. Dr. D. A. Godse for their unwavering support. I also appreciate the efforts of the editorial team of the e-newsletter, whose dedication ensures the timely release of each semester's issue.

With proud presenting herewith...

E-newsletter, Volume 6, Issue 1, AY 2023-24.

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.*

Program Educational Objectives (PEOs)

PEO 1:- Possess adequate knowledge and skills in mathematics, science, and engineering to employ these skills in their chosen fields of specialization.

PEO 2:- Possess the ability to solve problems through technical competency in Information Technology.

PEO 3:- Possess professional competence through life-long learning such as higher studies, registrations to professional bodies, and other professional activities in Information Technology.

PEO 4:- Work ethically and morally in a multidisciplinary workplace and independently in a global, societal, and environmental context.

HOD's Message



Prof. Dr. K. A. Malgi

Head of Information Technology Department

The Department of Information Technology provides an excellent academic ambiance. The department is strengthened by a team of experienced, well-qualified, and committed faculty members. We aim to ignite students' passion for honing their technical expertise while instilling a keen sense of teamwork.

We actively foster student engagement in both technical and non-technical competitions, alongside sports events, to highlight their talents and accomplishments. Faculty members provide mentorship to students in drafting papers based on their project work, facilitating their presentations at conferences, and subsequent publication in esteemed journals. Students demonstrate proactive involvement and exceptional performance in these endeavors.

During national technical festivals and cultural programs, students enthusiastically volunteer, thereby enriching their personal development. Our commitment lies in prioritizing a well-rounded education, with a keen focus on academic excellence and comprehensive student growth. We are proud to share the achievements and activities of our students and staff in our semester-wise departmental newsletter, "Blessings," Volume 6, Issue 1. We hope you enjoy reading it.

Placement Training by Campus Credentials

Training and placement cell of Bharati Vidyapeeth's College of Engineering for Women organized "Placement Training" by Campus Credentials for final year students of all departments. The speakers for this training were Mr. Rohit Runwal, Mrs. Sapana Sood and Mr. Ronak Mitra. The duration of the training was 5th July 2023 to 29th July 2023, where the training was categorized into three broad aspects consisting of Aptitude, Soft Skill and Technical knowledge.

The first Session based on Soft skills, was conducted on 5th July 2023 by Mrs. Sapana Sood. In this session, she covered communication skills, group discussion, tips on public speaking, professional resume building body language etc. She also conducted demo sessions on "How to face interview".

The second Session based on Aptitude, was conducted from 19th July to 22nd July 2023 by Mr. Rohit Runwal. The session included practicing examples on number system, puzzles, profit and loss, time and work, as well as set theory. He also covered problem solving on ratio and proportion, partnership, problems on train, boats and streams, probability etc.

The third session on Technical knowledge was conducted from 26th July to 29th July 2023 by Mr. Ronak Mitra, in which he covered concepts of Python, Object Oriented Programming, Data Structure and discussed some problems from Hacker Rank with solutions.



Major Technical Activity

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this is it lets students know things practically through interaction, working methods and employment practices. The Department of Information Technology organized an industrial visit to “Bharat Forge”, Pune, State- Maharashtra, INDIA, on 26th September 2023 and 27th September 2023 for SE IT students. Bharat Forge has achieved its success through transformation as a leading critical component manufacturer and it continues to remain the only way forward. Bharat Forge continues to leverage its expertise built on 4M's (Metallurgy, Metal Forming, Manufacturing and Machining) and R&D capabilities, to provide agile and adaptive solutions to its customers and establish itself as one of the best critical and safety components manufacturer both in India and globally. This visit has provided exposure to the students with industrial life. The students are benefited in terms of the technical details provided by the company on an important part of Recruitment Policy by Company and Various Career Opportunities in IT industries.

The faculty members of IT department, Prof. Ms. N. A. Mulla, Prof. Ms. A.V. Kanade, Prof. Ms. M. A. Rane and Prof. Mr. K.V. Patil were present during the visit. Prof. Ms. N.A. Mulla coordinated the activity.



Technical Activities



Workshop on “AWS Discovery Day- Cloud Workshop” by Mr. Pranav Phadke and Mr. Ameya Vaidya, Brainfloss Pvt Ltd, Pune



Seminar on “Data Structures” by Mr. Nagesh Mhetre, Click-in Computers, Pune



Seminar on “BSE - Capital Market Awarnees Program” by Prof. Arvind Savant, Lotus knowledgewealth Pvt. Ltd., Pune



Industrial Visit of TE IT to CDAC Innovation Park, Pashan, Pune



Seminar on “Career in Web development with Mean and Mern Stack” by Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune



Seminar on “Introduction to NodeJS” by Mr. Qaidjohar Jawadwala, Founder & CEO, QJ Technologies, Pune

Title: “Low Code, No Code: Revolutionizing Software Development with Simplicity”

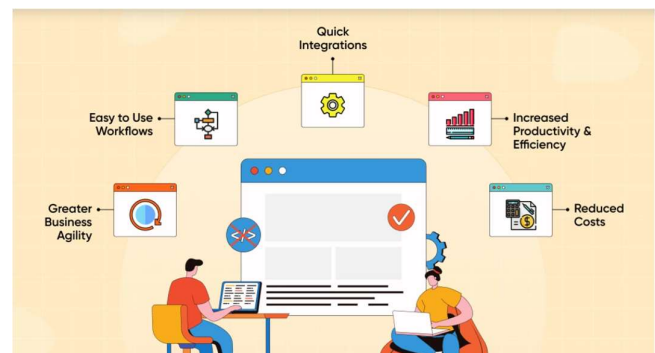
Introduction:

In today’s rapidly evolving digital landscape, businesses are constantly on the lookout for ways to streamline their operations and bring innovative solutions to market with increasing speed. Traditional software development processes can be cumbersome, expensive, and time-consuming, often requiring a team of highly skilled developers and extensive coding efforts. However, in recent years, the emergence of “Low Code” and “No Code” development platforms have disrupted this paradigm, offering an efficient and accessible alternative for software creation. In this comprehensive article, we will delve deep into the world of Low Code and No Code development, highlighting their respective pros and cons, and providing statistical data to demonstrate their transformative impact on modern software development practices.

The ‘Use’ of Low Code and No Code:


Low Code and No Code development platforms have risen to prominence as powerful tools that bridge the gap between business needs and software development. These innovative solutions empower individuals with little to no

coding experience to create applications, automate processes, and dramatically expedite the development lifecycle. The adoption of Low Code and No Code platforms has been so remarkable that industry experts predict that, by 2024, low code application development will account for more than 65% of all application development activities, according to Gartner.



The Advantages of Low Code and No Code:

1. **Rapid Development:** One of the most significant advantages of Low Code and No Code platforms is their ability to dramatically reduce development time. This translates to businesses being able to bring products and solutions to market faster than ever before.
2. **Cost-Effectiveness:** Traditional software development can be prohibitively expensive due to the need for a highly skilled and often costly



developer team. Low Code and No Code platforms significantly reduce these costs, as they require less specialized expertise.

3. **Accessibility:** These platforms democratize application development, making it accessible to a broader range of individuals, including business analysts and subject matter experts who may lack traditional coding skills.

4. **Reduced Coding Errors:** With pre-built templates and user-friendly drag-and-drop interfaces, Low Code and No Code platforms significantly lower the risk of coding errors. This, in turn, enhances the overall quality of the applications developed.

5. **Increased Collaboration:** Low Code and No Code platforms encourage collaboration between IT and non-technical teams within an organization. This collaborative environment fosters more effective problem-solving and results in solutions that better align with business objectives.

The Limitations of Low Code and No Code:

1. **Limited Customization:** While these platforms are well-suited for rapid development, they may fall short when it comes to handling highly customized or complex solutions. This

limitation can be frustrating for businesses with unique requirements.

2. **Scalability Challenges:** Scaling applications created with No Code platforms can be challenging. These platforms may not handle high volumes or complex integrations as well as custom-coded solutions.

3. **Vendor Lock-In:** Organizations that heavily invest in a particular Low Code or No Code platform may find themselves locked into that ecosystem. This can limit flexibility and potentially lead to higher costs in the long run.

4. **Security Concerns:** Pre-built components provided by Low Code and No Code platforms may have security vulnerabilities. Skilled developers would typically address these vulnerabilities in custom code, raising concerns about the security of applications created using these platforms.

5. **Learning Curve:** Although designed for simplicity, Low Code and No Code platforms are not entirely devoid of a learning curve. Users new to these platforms may initially struggle to leverage their full potential.

Statistical Data Supporting Low Code and No Code:

- Forrester Research reports that companies employing Low Code and No Code platforms can reduce development time by an average of 50%, significantly expediting time-to-market.
- A TechRepublic survey found that an impressive 72% of IT leaders believe that Low Code and No Code platforms are essential for driving their organization's digital transformation efforts.
- Gartner's predictions indicate that by 2025, more than 70% of all application development will be carried out on Low Code or No Code platforms, further underlining their growing significance.
- A survey by Kintone revealed that 68% of organizations experienced a substantial increase in employee productivity after implementing No Code solutions.
- According to a study by Deloitte, Low Code and No Code platforms can result in a remarkable tenfold increase in the speed of application development.

Conclusion:

In conclusion, Low Code and No Code platforms are revolutionizing the software development landscape by democratizing the process and offering efficient alternatives to traditional coding. However, while these platforms offer numerous advantages, it is essential to consider their limitations and potential challenges carefully. By thoughtfully assessing the specific needs of your organization, you can determine whether Low Code, No Code, or a combination of both is the most suitable approach for your software development projects. Embracing these technologies strategically can pave the way for increased efficiency, productivity, and competitiveness in today's dynamic digital world. As businesses continue to seek innovative solutions, Low Code and No Code development are poised to play a pivotal role in shaping the future of software development.



Swamini Sontakke,
Senior Software Engineer,
Capgemini Technological Services, India Limited
Alumna, 2022 Batch.

Achievements

Staff



Prof. Dr. Smita S. Jadhav

(Department of Engineering Sciences and Allied Engineering

A patent on “A Method and Composition for Purification of Textile Waste-water by Acid Doped Polyaniline (PANI)” was granted on 11/08/2023. (Application No. 202021025428, Patent No. 444597).

Students

- Srushti Mule, Vaishnavi Waykaskar, Shriya Lakhe of TE IT under guidance of Prof. Ms. A. V. Kanade stood as semifinalists in AthenaHacks (ACM-W Women Hackathon) organized by ACM-W India, Coimbtore ACM Chapter and PSG College of Technology.
- Smiti Chandwadkar, Yogita Khalate, Tanaya Mane, Ghanishtha Rane of BE IT under guidance of Prof. Ms. A. V. Kanade stood first in College level Avishkar Project Competition’23.
- Anuja Ramhari Borate, Shreya Prashant Mohite, Shreya Navnath Nilakh, Trupti Ananda Pacharne of BE IT under guidance of Prof. Ms. A. D. Khairkar stood Second in College level Avishkar Project Competition’23.

Placements from June 2023 to December 2023

Sr. No.	Name	Company
1	SASWATI PARIDA	STANDARD CHARTERED GBS
2	PRAJWAL PANDHARINATH SAID	ACCENTURE
3	SAMRUDDHI PRASHANT PAGAR	ACCENTURE
4	GAURI SANDEEP KHANZODE	ACCENTURE
5	JADHAV NAMRATA POPAT	AMDOCS
6	JANHVI SUNIL MAWAL	AMDOCS
7	KRISHNA RAJESH SONI	AMDOCS
8	SANJIVANI NAGNATH BULBULE	AMDOCS
9	SAYALI SANJAY SHELAR	AMDOCS
10	SHITAL SUDHAKAR JADHAV	AMDOCS
11	SNEHA DATTATRAY SALUNKE	AMDOCS
12	VAISHNAVI RAJENDRA INGAWALE	AMDOCS
13	NIKITA HEMANT BANKAR	AMDOCS
14	KALYANI KULKARNI	IBM
15	SHARVARI BHALERAO	IBM
16	SRUSHTI BHOITE	IBM
17	ANAM BAGWAN	FIS
18	SHRUTI LAD	FIS

Our Esteemed Recruiters



Editorial Board



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



*Prof. Ms. N. A. Mulla
Newsletter Coordinator*



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Chief Editor(IT)*



*Mr. K. V. Patil
Editor(IT)*



*Mrs. D. P. Chopade
F.E. Staff*



*Dr. Smita Jadhav
F.E. Staff*



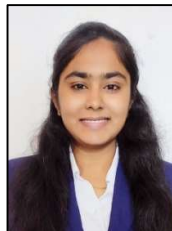
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(T.E. I.T.)*



*Chaitali Deshmukh
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*Rutuja Chatur
(B.E. I.T.)*



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



*Gayatri Kharat
(S.E. I.T.)*