



Bits Of Bytes

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BHARATI VIDYAPEETH COLLEGE OF ENGINEERING

Bharati Vidyapeeth is a organization established in the year 1964 by our respected founder Dr. Patangraoji Kadam. It has today created history by establishing 187 educational institutes imparting education from the pre-primary stage to post graduate stage within a short span of 44 years. At Bharati Vidyapeeth our objective has been to contribute to intellectual

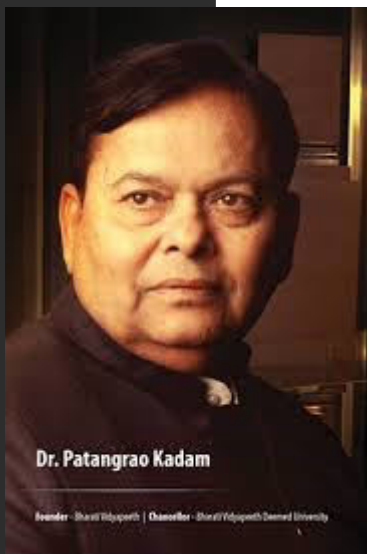


awakening and social transformation in different spheres such as education, economic, social and cultural fields in India and more particularly in Maharashtra. Our commitment and dedication has been towards catering to needs of Corporate India by providing quality education and to bring about an all-round development of a wider cross section of population including women, tribal and rural people. Always a step ahead, in May 1995 the department of human resources development, Government of



India, on the recommendations, of the University Grants Commission accorded the status of Deemed University to 26 institutions of Bharati Vidyapeeth. In the year 2000, three more institutions were accorded the same status. Within such a short span of time, the performance of Bharati Vidyapeeths is accredited to none other than the man himself Dr. Patangrao Kadam.

Dr. Patangrao Kadam, Founder Of Bharati Vidyapeeth



Our mission at Bharati Vidyapeeth is to identify and prepare leaders for the new millennium and also to cope-up with the increasing demand for leaders in the modern society.

Institute of Management is a workshop where today's youths are shaped up as effective managers of tomorrow. Apart from the study of their regular syllabi, the students should get fair and proper opportunities to express their views and ideas, especially in the field of Management, which plays a vital role in the modern era. The youth should be moulded and equipped with courage, self-determination,

and dedication and must be in a position to overcome any sort of difficulty with introspection.

Keeping this in mind, we should start brainstorming process of management students, because today's youths are building blocks of tomorrow's Society. I am sure, "hard work brings surprising results" and we are second to none in this sphere.

In pursuance of the main objective, Bharati Vidyapeeth has started several institutes operating right from pre-primary to post graduation research level.

Dr. Vishwajeet Kadam, Secretary, Bharati Vidyapeeth



Welcome to Bharati Vidyapeeth Deemed University- India's largest multi-faculty, multi-campus university. In a global economic scenario that is constantly evolving, you need to constantly reinvent yourself and acquire the requisite competencies to stay ahead of the crowd. Only education empowers the society to grow in real sense by overcoming poverty, ignorance and lack of esteem. This thought led us to pursue BVDU's mission to bring social transformation through dynamic education. Barring all barriers, education should be spread to every stream of society and individual. Bharati Vidyapeeth Deemed University is keen in sustaining this vision with all its capacities. We have been

taking every possible measure to bring the youth under one roof that can provide them modern education to counter challenges ahead.

Dr. Vishwajeet Kadam, Director, Bharati Vidyapeeth

It gives me immense pleasure to introduce our Bharati Vidyapeeth's College of Pharmacy and to welcome you to our campus. Our college is an important link in the chain of the prestigious Bharati Vidyapeeth institutions, which also includes the Bharati Vidyapeeth Deemed University at Pune. With a common objective, that is to bring about 'Transformation through Dynamic Education', we at Bharati Vidyapeeth's College of Pharmacy will strive for excellence by adopting and implementing a system that ensures a perpetual improvement in educational quality. Such a system will involve creation and regular upkeep & update of infrastructure and facilities conducive to effective teaching-learning process.



Bharati Vidyapeeth's College of Pharmacy has come a long way in the span of 17 years since 1993 when it was established. We recently started with the doctorate program in the field of pharmaceuticals and pharmaceutical chemistry. The dedicated faculty and staff are contributing to an interactive teaching environment. This has reflected in the University results. I heartily congratulate my competent and devoted faculty members, staff and students for the splendid progress of our college. Our laboratories are spacious and well equipped while class rooms have modern audio visual aids. The library provides multiple national & international editions of books, journals, periodicals & magazines. I am confident that all the infrastructure and facilities, coupled with our dedication, commitment and motivation will form the best environment to nurture and grow your academic interests and ensure a bright future for you. On behalf of my institution, I once again welcome you to join us, grow with us, and become a proud member of our Bharati Vidyapeeth family.

Dr. M.Z.Shaikh, Principal Of BVCOE, Navi Mumbai



The college has developed excellent infra-structural facilities with well-equipped laboratories and an enriched library, which are updated regularly. The library has also subscribed to a number of scientific journals, which helps students understand the recent trends in Engineering and Technology. The College provides not only technical education to students but also conducts many co-curricular and extra-curricular programs, which ensure multifaceted development of students. With all the laurels we have achieved till date, am sure we will keep providing a gamut of professional Engineers and Technocrats, backed by top most professional services.

The Department Of Computer Engineering

The Department Of Computer Engineering offers B.E in Computer Engineering and M.E in Computer Engineering with a combined intake of 78 (60+18). The main goal of our department is to provide students with the right environment to their skills not only in academics but in all aspects of life. Knowledge is power and providing the students with the right guidance has been our motive since the very beginning. With the help of our superior infrastructure and faculty members with profound

technical knowledge, we ensure we do justice to every single student that has been a part of this department.

Dr. D.R.Ingle, Head Of Computer Engineering Department



Welcome to Department of Computer Engineering. The Department seeks to combine excellence in education with service to the industry. Our vision is to be recognized as innovative and leading Department. Our goal is to provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. Students are nurtured to become best software professionals or become Entrepreneurs in their own innovative way. I am sure in times to come many students from our department will make incredible mark nationally and internationally. The expertise of faculties is broad. We hold firm belief in our ability to succeed, practice human values, and show attitude of self-reliance, confidence and commitment. I am sure that the students of the department will show a high level of professional competence in their respective areas. I wish my students all the best for all their endeavours.

Department's Vision

To be a Centre of Excellence in Computer Engineering domain and work with industry on cutting edge technology to meet current and emerging challenges in global perspective for the development of society and nation.

Department's Mission

- **Technical Skills:-**To provide solid technical foundation theoretically as well as practically in the discipline of computing enabling students to adapt to rapidly changing technology and betterment of society.
- **Development:-**Department caters to the need of students through comprehensive educational programs, dissemination through scholarly publications, and prepares them for various professional bodies.
- **Ethical leadership:-** Department develops ethical leadership acumen in the students to succeed in industry, government, and academia.

PEO

- **Application of knowledge:-** Students will be able to apply written oral and graphical communication in both technical and non-technical environments, and an ability to identify, use appropriate technical literature to design, develop and maintain reliable and efficient software.
- **Interpersonal Skill:-** Work successfully in this chosen career individually and within a professional team environment.
- **Design with responsibility:-** Student will have an ability to design system, component to meet desired needs within realistic constraints such as environment, social, political, Health and sustainability.

Industrial Visits

Bharti Vidyapeeth Department of Computer Engineering organises Industrial visits each year to infuse and nurture the passion for the subject among its students and give a deeper understanding of its applications. They are acquainted with various technology leading companies use and what are given hands on experience of industries helping them in bridging the gap between theoretical knowledge and industrial requirements.

Persistent Systems

February 2016, 60 students were taken to PER-SISTANT systems, a global company specializing in software product development and technology services. For more than 20 years, they are partnered closely with pioneering start-ups, leading enterprises and the world's largest technology brands helping them accelerate innovation, time to market and enterprise transformation.

The students were introduced to the firm and informed about their placements and internships. They were also guided them with their final year projects.



Mapro Industry

October 2015, a two-day industrial visit to Mapro industry, for the third year Computer Engineering students was coordinated in order to impart them with practical knowledge regarding business intelligence and how a business runs using various ERP software. The underlying intention behind the visit was to learn how a business works, what are the important features of running a

business and what is to be expected when designing a ERP software for organizations of this magnitude. Though chocolates were distracting at times, the primary focus was learning and understanding what the industry expects out of freshers.

Persistent Systems

Feb 2015, the students were taken to Persistent Systems, IT Park, Pune, where they were introduced to the corporate world. 130 students including the I.T. department students and three faculty members were taken to Persistent Systems, Pune. They were lectured about how passion can change the working perspective productively. They impart them with a brief idea of how systems are developed in the real world and bring about them a sense of maturity and temperament.

The very purpose of such visits are to influence students to work harder and get themselves acquainted with the ever changing industrial demands. Only theoretical knowledge isn't enough to excel in any field. The combined knowledge of theory and industrial expectations give our students an edge over other graduates.

Placements



Mindcraft



Ravi Malik



Akshay
Chaurasia



Nikhil Nair



Tanmoy
Karmokar

CSC



Aditi Gour



L&T Infotech



Omkar
Khanvilkar



Vijay More



Bhavana
Bhagat



Zikra
Ansari



GEP



Akshay
Patil



Akshay
Dalvi



Persistent Systems



Lakshmi
Galave



Shantilal
Jangaid



Swarupa
Shejal



Akash
Singh



Manisha
Upadhyay



Snehal Said



Priyanka
Meshram

Home Revise



Kalyani
Shinde



Leena Patil

Xtrem Soft



Rohan
Upadhyay



Nehali
Pansare

Nucsoft



Rupal Kamble



Technomania - Technical Fest



Technomania is the annual tech-fest of Computer Engineering Department of Bharati Vidyapeeth College of Engineering, Navi Mumbai. It is being organised since three years by the hard-work and determination of Computer Engineering Students' Association (CESA) under the guidance of the whole staff and the Principal Dr.M.Z.Shaikh.

One can see the great zeal and enthusiasm with which people do all the work to make the event successful. Year by year, organisers try to make the event more and more interesting with the help of new ideas. Technomania Episode IV was based on the theme 'Star Wars' and was sponsored by Datamatics who made the event more successful. The chief guests for the inauguration were Mr.Sachin Rane – Sr. Vice President & Global Head – ITS, Datamatics and Mr.Priyam Vyas – AGM & Head Talent Acquisition, Datamatics.

Technical Events

- Blind Coding
- Google search maniac
- Bug free
- Tech quiz
- Code it
- Hacking

Lan Events

- Counter Strike 1.6
- Need For Speed - Most Wanted



Other

- Virtual Reality
- Designing (Web)
- Technical Paper Presentation
- Technical Debate
- Dubsmash
- Photography

Extracurricular Activities

Technical Events

Sadhana Singh(TE)	Technomania : Designing	Merit
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Non Technical Events

Priyanka Bhosale (SE)	Box Cricket	1st Prize
Patil Ashish (FE)	Photo Sketchia Competition	Merit
Akansha Shinde (FE)	Sports : Kho-Kho	Merit
Sadhana Singh (TE)	Box Cricket	Merit
Vaishnavi Mhatre (SE)	Cultural – Duet Singing	Merit
Khushali Patel (SE)	Chess	2nd Prize
Tanuja Thakur (TE)	Box Cricket	2nd Prize
Nikita Patil (TE)	Kho-Kho	1st Prize
Asmita Kharat (TE)	Box Cricket	1st Prize

Extracurricular Activities

Student Publications

Ketan Dhakate	International Journal of Applied Research Study of Content Management System (CMS) for Developing E-Commerce Websites	Aug-2015
Prajakta Jadhav, Sonal Sangale, Rajeshwari Variar	IJSRD-Video Encryption & Decryption using AES Algorithm	Dec-2015
Faris Ansari, Yash Mhatre, Akshay Dalvi	IJERAT-Design & Implementation of Book Sharing System	March-2016
Ravi Malik, Divyendra Patil, Kishan Naidu	IJSRD-Design & Implementation of College Portal	March -2016
Kshitij Joshi, Nikhil Gosavi, Abhijeet Dhuri	IJSRD- Design & Implementation of Campus Connect	March -2016
Tanmoy Karmokar, Shantilal Jangid, Vijay More, Snehal Yadav	IJSRD-Searchwise Application using cross platform technology	March -2016
Amey Salvi, Omkar Khanvilkar	IJARCCCE- Automatic Time-Table generation using genetic algorithm	March-2016
Nikhil Pandey, Priti Kairate, Swarupa Shejal, Akshay Patil	IJSRD-A Survey paper on Android based Doctor Patient Interaction System	March -2016
Ankita Gavade, Pooja Patil, Sangita Patil	IJSRD-A Survey paper on Certificate less Encryption for secure data sharing	March-2016

Kajal Dhainje, Kalyani Shinde, Nikita Maske	IJSRD-RFID based automated Toll collection system	March-2016
Namrata Adevkar, Supriya Eknarayan, Laxmi Galve	IJSRD-E-Auction: A web based Auctioning System	March-2016
Akash Singh, Kajal Ubale, Kalyani Bhosale, Shubham Hakim	IJSRD-Employee Management System using fingerprint	March-2016
Nikita Patil, Neha Raverkar, Tanvi Sardare, Manisha Upadhyay	IJARCCCE-Hybrid Usage based ranking model for Information retrieval	March-2016
Nikhil Nair, Shubham Dongre, Akshay Chaurasia	IJSRD-Ontology based personal- ized mobile search engine	March-2016
Shweta Dhanu , Afsana Shaikh	IJARCCCE-Antitheft Application for android based devices	March-2016
Suraj Shetty, Shubham Yadav, Rohan Upadhyay	IJSRSET-Virtual Mouse using colour detection	April-2016
Lavanya Anchan, Nehali Pansare, Sheetal Suryawanshi	IJSRD-Android Suburban Rail- way Ticketing	March-2016
Ketan Ramesh Dhakate , Rahul Ankush Junghare , Utkarsha Jagdish Doiphode	JSRD – Web Interaction Content Filtering and Security	Feb-2016

Guest Lectures And Seminars

The department also conducts various guest lectures and workshops. It gives a lot of importance to any skill the student can acquire apart from their curriculum. There are various workshops and lectures conducted as and when the students demand or need.

2015-2016

- Linux, Jagjit Phul
- Big Data Analytics, Dr.B. f. Momin
- 4G technology, Muneer Saiyad
- Free and open source software, Jagjit Phul

Toppers

Year 2015-2016

- **ME Sem II**

1. Dalvi Snehal Ashok (8.55 SGPI)
2. Kadam Priyanka Shankar, Yadav Dipali Shivaji & Salunke Puja Shankar (8.36 SGPI)
3. Rahate Sachin Waman (8 SGPI)

- **BE Sem VIII**

1. Upadhyay Manisha Deviprasad (9.11 SGPI)
2. Adavkar Namrata Subhash (8.74 SGPI)
3. Malik Ravi Mahavir & Meshram Priyanka Pundalikrao (8.67 SGPI)

- **TE Sem VI**

1. Agarwal Ankit Lalitkumar 9.17 SGPI)
2. Patil Vishal Dattaram (9 SGPI)
3. Wadkar Rushabh Vasant (8.75 SGPI)

- **SE Sem IV**

1. Korde Rutuja Vilas (9.5 SGPI)
2. Nar Prasad Suryakant (9.46 SGPI)
3. Pawar Abhishri Arun (9.43 SGPI)

Product Development

- **NBA Attainment Calculator Software**

By: Prof Kanchan Doke

Prof. Kanchan Doke developed a attainment calculator which considers marks scored by the students in unit tests, projects, viva etc. The software was developed using excel and is very user friendly. It makes the calculation of student attainment very easy and is currently being used for the same

- **E-Attendance**

An application for calculating and maintaining the attendance was deployed. The defaulter list was generated automatically after being fed the attendance. It is available on Android, IOS and Windows play store.

Developed By: Faris Ansari (B.E) & Suraj Shetty (B.E)

Mentor: Prof. Nidhi Sharma

Note Of Thanks

Our Principal Sir, Dr. M. Z. Shaikh, has always been an inspiration to all the students. He makes sure every idea gets a platform and no talent goes unnoticed. We thank him on behalf of the entire department for being an inspiration to all of us.

We would like to thank the head of Computer Department, Dr. D. R. Ingle, who has provided encouraged us to think out of the box and guided us since the very first day we joined this institute. He has been the backbone of our department and we would like to thank him on behalf of the whole department for his sincere efforts to make sure all .

Prof. Nidhi Sharma, she has been the one to co-ordinate the editing and printing. She was there all along making sure all the content was available to the editors and encouraged us to be as creative as possible.

Last, but not the least, a special thanks to our editorial board members, Sharvil Turbadkar (T.E), Swapnil Velunde (T.E), Tejas Zarekar (T.E) and Kunal Shinde (T.E), who contributed in editing, content writing and printing this issue of our departmental news letter. This wouldn't have been possible without their hard-work and genuine efforts.

-Rohit Vinod Nair (T.E)