



BITS & BYTES

2021-2022



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BHARATI VIDYAPEETH COLLEGE OF ENGINEERING



Bharati Vidyapeeth is an 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 the postgraduate 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 have been towards catering to the needs of Corporate India by providing quality education and bringing about an all-round development of a wider cross-section of the 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 period, the performance of Bharati Vidyapeeth is accredited to none other than the man himself Dr. Patangrao Kadam.



Late Dr. Patangrao Kadam

Late Dr. Patangrao Kadam Founder Of Bharati Vidyapeeth

Our mission at Bharati Vidyapeeth is to identify and pre- pare leaders for the new millennium and also to cope-up with the increasing demand for leaders in 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 molded and equipped with courage, self-determination, and dedication d must be in a position to overcome any sort of difficulty with introspection.

Keeping this in mind, we should start the 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

It is heartening to know that Bharati Vidyapeeth College of Engineering, Navi Mumbai's Department of Computer Engineering is bringing out its Annual Technical Magazine "BITS & BYTES". Engineers play the most vital role in nation-building. They create new inventions using the best-engineered technologies to make human life more comfortable, secure, and productive. At the outset, I send my greetings to the Editorial Board of "BITS & BYTES", for working on a Magazine best in all aspects. The magazine should be a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their careers.



DR. Vishwajeet Kadam
Secretary, Bharati Vidyapeeth



Dr. V.J. Kadam
Director, Bharati Vidyapeeth
Navi Mumbai Campus

It gives me great pleasure to know that Bharati Vidyapeeth College of Engineering, Navi Mumbai's Department of Computer Engineering is coming up with its yearbook "BITS & BYTES". India has set its vision to join the committee of the developed nation and this would be achieved if Indians combine their minds with their hearts. We would touch technical heights but we would not compromise our age-old values and traditions. The students have expressed their emotions in the best possible manner and I wish them all the best.

I believe this magazine will provide us the benchmark for continued improvement in the overall development of the College and the Students. I also appreciate the efforts of the Editorial team who have done an excellent job in compiling this magazine.



Dr. Sandhya Jadhav
Principal Of BVCOE, Navi Mumbai

Each issue of our Department magazine is a milestone that marks our growth, unfolds our imagination, and gives life to our thoughts and aspirations. It unleashes a wide spectrum of creative skills ranging from writing to editing and even in designing the magazine.

One of the greatest landmarks of an educational institution is the emancipation of the Annual Magazine and I feel privileged to announce the launching of "Happening", the Annual Technical Magazine of the Department of Computer Engineering. It would provide a platform for the budding engineers to express the technical side of their personalities and "Happening" would go on to become the voice of generations to come. The essence of Engineering and Management education which has spread in India is a very positive sign not only to cater to domestic needs but provide manpower to the entire world and become the biggest technically trained community. Bharati Vidyapeeth College of Engineering is a venture contributing to this Endeavour

New technology is bringing opportunities along with the new skill set requirements and challenges. Globalization is bringing competitiveness in every domain. Engineers have to fit into the requirements of companies that recruit across the globe. With the massive, near exponential increases in the amount of data to be processed, we need to completely change our traditional 'sequential instruction execution' way of thinking. The newly refreshed Computer Department Magazine "BITS & BYTES" makes a gracious attempt at imparting knowledge to students of not only the Computer Department but any student who may be interested. It provides students with resources to learn and make themselves well versed with current technological developments. It provides them with a perspective of the global advancement that is going on in the computing sector and makes their knowledge technologically rich. Wishing the Editorial team the Best of Luck



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

The world is moving very fast and new technologies are coming up every week. We need to be proactive and enthusiastic in learning about these cutting-edge tools and research. Buzz words Metaverse, Hadoop, Cloud Computing and Parallel Computing are slowly becoming pervasive and are the new revolution. The most important aim of students should be to absorb as many of these new technologies as they can. They must explore, invent and innovate. Read up on algorithms, discuss them, and identify points where they can be improved. Research, collaborate, and excel. The students are our future and I believe that with students from BVCOE, the future does look bright.



Prof. Rahul Patil
Chief Editor, Computer Department

Editors Note

An Engineer is an artist, but the only difference he paints what the world demands. Give him a problem and he gives you a solution, that is what makes an engineer stand out. Computer Engineers take things a step further, the problem remains the same but this time the tool varies. Give him a computer and he solves your problem in a blink of an eye. But who would have thought a century ago that what took an average human being more than a week to do, a device that worked on electricity could end up doing in a matter of hours initially and seconds these days



Using a computer and electronic media, last year, Prof. Nidhi Sharma with the help of my seniors came up with the idea of publishing a departmental magazine. The idea was indeed something that gave a platform for students to portray their editorial skills and help them showcase their knowledge in various fields. As we all know, they implemented it and it was indeed appreciated by all. Now, this year, we need to do it again. But the challenge is in doing the same thing yet adding something more to it so that the novelty remains. This year, we proudly present our annual departmental magazine, BITS & BYTES.

On behalf of our editorial group, I would like to thank Dr. Patangrao Kadam, Dr. Vishwajeet Kadam, and Dr. V. J. Kadam for inspiring all of us. They have been motivational figures for all the students and they shall always be a role models. Dr. Sandhya Jadhav, a Respected Principal, encouraged collaboration amongst the students of various years and encouraged us to better what has been previously achieved.

Dr. D. R. Ingle, the head of our department, is the backbone of our computer department. He has encouraged us to think out of the box and guided us since the very first day we joined this institute.

Prof. Rahul Patil has been the one to coordinate 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.

-Anushka Manitripathi, Editorial Head

QUANTUM THEORY

Ahemad Ali TE COMPS

Quantum computing is an area of study focused on the development of computer based technologies centered around the principles of quantum theory. Quantum theory explains the nature and behavior of energy and matter on the quantum (atomic and subatomic) level. Quantum computing uses a combination of bits to perform specific computational tasks. All at a much higher efficiency than their classical counterparts. Development of quantum computers mark a leap forward in computing capability, with massive performance gains for specific use cases. For example quantum computing excels at like simulations.

The quantum computer gains much of its processing power through the ability for bits to be in multiple states at one time. They can perform tasks using a combination of 1's, 0's and both a 1 and 0 simultaneously. Current research centers in quantum computing include MIT, IBM, Oxford University, and the Los Alamos National Laboratory. In addition, developers have begun gaining access to quantum computers through cloud services. Quantum computing began with finding its essential elements. In 1981, Paul Benioff at Argonne National Labs came up with the idea of a computer that operated with quantum mechanical principles. It is generally accepted that David Deutsch of Oxford University provided the critical idea behind quantum computing research. In 1984, he began to wonder about the possibility of designing a computer that was based exclusively on quantum rules, publishing a breakthrough paper a few months later.

Quantum Theory

Quantum theory's development began in 1900 with a presentation by Max Planck. The presentation was to the German Physical Society, in which Planck introduced the idea that energy and matter exists in individual units. Further developments by a number of scientists over the following thirty years led to the modern understanding of quantum theory.

QUANTUM THEORY

The Essential Elements of Quantum Theory:

- Energy, like matter, consists of discrete units; as opposed to a continuous wave.
- Elementary particles of energy and matter, depending on the conditions, may behave like particles or waves.
- The movement of elementary particles is inherently random, and, thus, unpredictable.
- The simultaneous measurement of two complementary values -- such as the position and momentum of a particle -- is flawed. The more precisely one value is measured, the more flawed the measurement of the other value will be.

Further Developments of Quantum Theory

Niels Bohr proposed the Copenhagen interpretation of quantum theory. This theory asserts that a particle is whatever it is measured to be, but that it cannot be assumed to have specific properties, or even to exist, until it is measured. This relates to a principle called superposition. Superposition claims when we do not know what the state of a given object is, it is actually in all possible states simultaneously -- as long as we don't look to check.

To illustrate this theory, we can use the famous analogy of Schrodinger's Cat. First, we have a living cat and place it in a lead box. At this stage, there is no question that the cat is alive. Then throw in a vial of cyanide and seal the box. We do not know if the cat is alive or if it has broken the cyanide capsule and died. Since we do not know, the cat is both alive and dead, according to quantum law -- in a superposition of states. It is only when we break open the box and see what condition the cat is in that the superposition is lost, and the cat must be either alive or dead.

The principle that, in some way, one particle can exist in numerous states opens up profound implications for computing.

QUANTUM THEORY



A Comparison of Classical and Quantum Computing

Classical computing relies on principles expressed by Boolean algebra; usually Operating with a 3 or 7-mode logic gate principle. Data must be processed in an exclusive binary state at any point in time; either 0 (off / false) or 1 (on / true). These values are binary digits, or bits. The millions of transistors and capacitors at the heart of computers can only be in one state at any point. In addition, there is still a limit as to how quickly these devices can be made to switch states. As we progress to smaller and faster circuits, we begin to reach the physical limits of materials and the threshold for classical laws of physics to apply.

The quantum computer operates with a two-mode logic gate: XOR and a mode called QO1 (the ability to change 0 into a superposition of 0 and 1). In a quantum computer, a number of elemental particles such as electrons or photons can be used. Each particle is given a charge, or polarization, acting as a representation of 0 and/or 1. Each particle is called a quantum bit, or qubit. The nature and behavior of these particles form the basis of quantum computing and quantum supremacy. The two most relevant aspects of quantum physics are the principles of superposition and entanglement.

STOCK MARKET

Sajid Shaikh TE COMPS

Stock market investing is a long-term process that could help you manage your finances. Investing in the stock market can seem daunting, especially when you are just starting, as it may appear too complex or risky. A careful understanding can help you get started.

Among the two top reasons to invest in the stock market are the possibility of getting higher returns to your investment and to develop financial discipline. For instance, when compared with basic saving instruments such as fixed deposits, investing in stocks has resulted in a higher rate of return in the last decade. Periodic investments inculcate a habit of financial discipline, encouraging you to save money and invest it carefully.

Here's a brief guide to help you through the process of stock market investing.

What is The Stock Market?

In simple terms, a stock market is a marketplace where financial instruments are traded — these can be stocks, bonds, commodities, among others.

The two primary stock markets in India are the National Stock Exchange (NSE) and the Bombay Stock Exchange (BSE). The NSE is by far the largest, with over 90% of cash trades. There are also other exchanges for commodities like the Multi Commodity Exchange (MCX) and the Indian Energy Exchange (IEX) for power trading and so on.

All activities as well as participants of the stock markets including day-to-day trades, instruments being traded, exchanges that enable the financial instruments to be traded, are regulated by the Securities and Exchange Board of India (SEBI).

STOCK MARKET



Apart from listing companies, these exchanges also manage indices. An index is a basket of stocks that represents a theme, be it size or industry. It also allows investors a common gauge on the trend in the stock market.

The most common indices in India are the NIFTY and SENSEX. NIFTY is a basket of top 50 stocks by market capitalization listed on the NSE. The SENSEX is a similar index of 30 companies listed on the BSE.

The stock market indices are commonly used to benchmark the performance of fund managers and other stocks. For instance if a mutual fund that benchmarks its performance to the NIFTY did 15% returns this year and the NIFTY did 20%, the mutual fund actually “underperformed” its benchmark. This means you would have been better off just buying those 50 NIFTY stocks instead of relying on the fund managers’ expertise.

TEACHING IN THE ONLINE WORLD

The COVID-19 pandemic had disrupted education in over 150 countries and affected 1.6 billion students. In response, we implemented some form of remote learning. The education response during the early phase of COVID-19 focused on implementing remote learning modalities as an emergency response.

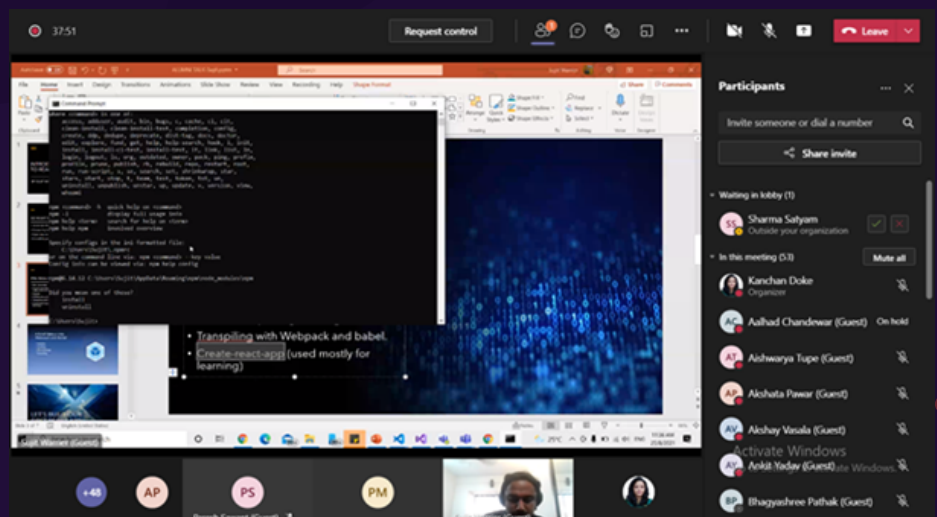
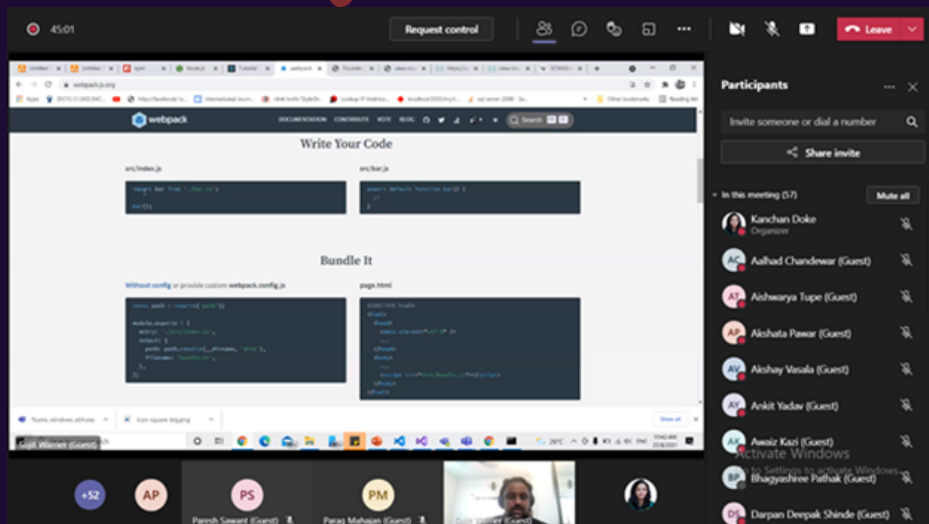
These were intended to reach all students but were not always successful. As the pandemic has evolved, so too have education responses. We also conducted lot of webinars and works

WEBINARS CONDUCTED IN 2021-22

React Js webinar

The webinar “React Js” was organized by the Computer engineering department for Final year students of Computer on 25 August 2021, which was coordinated by Kanchan Doke, Nidhi Sharma, and B .W. Balkhande. It was inaugurated by H.O.D. of the Computer Department, Dr. D. R. Ingle. The webinar was conducted by Mr. Sujit Warriar who is a senior software engineer in A.P. Moller Maersk.

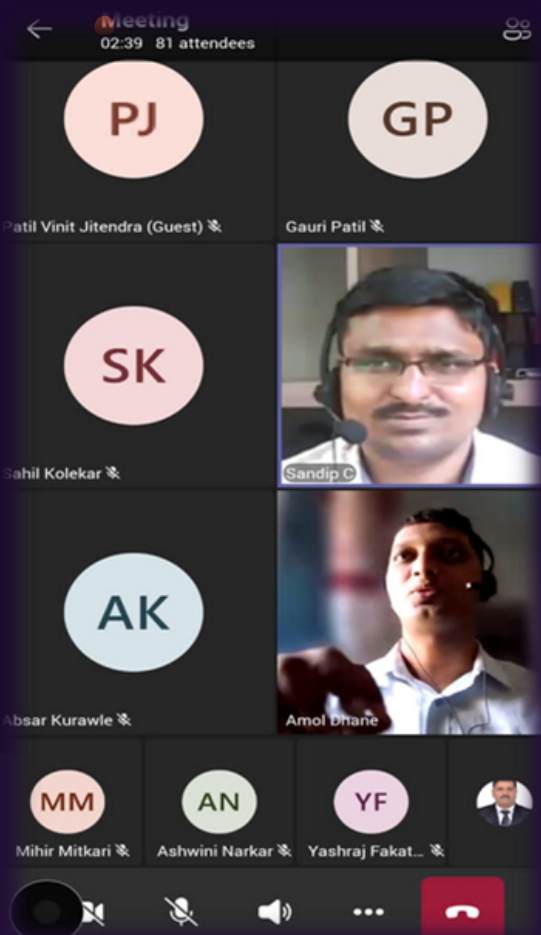
He started with the Introduction to React Js basics. He discussed prerequisites. He also discussed one live project. Thus, students from the Department of Computer Engineering received a new perception of React Js and its implementation in application.



WEBINARS CONDUCTED IN 2021-22

“Today's IT Industry Practices”

The online seminar was a comprehensive and interactive session that featured the foreground of today's IT Industry practices organised by Prof. Sandip Chavan. The Speaker highlighted the key career paths like Development and Testing domains in the IT industry. The speaker also brought into limelight the concept of Cloud Computing and its significance. The Speaker is a Development Manager at Bluemeteor Pvt. Ltd. with a valuable experience of 14 years. The students enthusiastically took part in the session and willingly got acquainted with new domains of the IT field. The session was of significant assistance for students to overcome their doubts regarding what the IT Industry actually demands from them.



Speaker of the event

Mr. Amol Dhane

Extensively worked on Java, Struts, EJB, Hibernate and JSP for designing and developing web and client-server applications.

Specialties: Finance, e commerce domain

Development Manager at Bluemeteor Pvt. Ltd. 14 YRS Exp

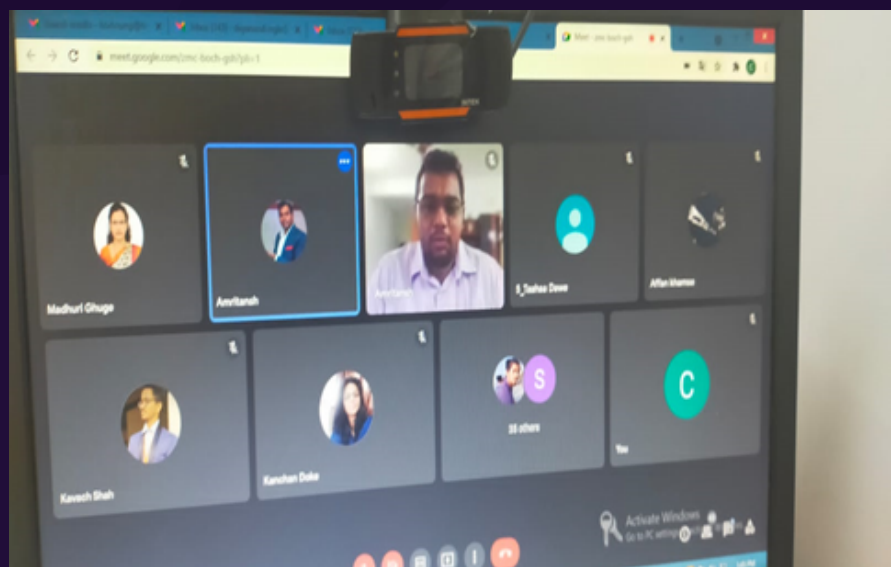
PASS OUT BATCH 2006-07

WEBINARS CONDUCTED IN 2021-22

Artificial Intelligence

The webinar on “Artificial Intelligence” was organized by the Computer engineering department for Final year students of Computer on 12 October 2021, which was coordinated by Dr. D. R. Ingle, Kanchan Doke, and Nidhi Sharma. It was inaugurated by H.O.D. of the Computer department, Dr. D. R. Ingle. The webinar was conducted by Mr. Amritansh who is Founder & Researcher in Neurodynamic AI.

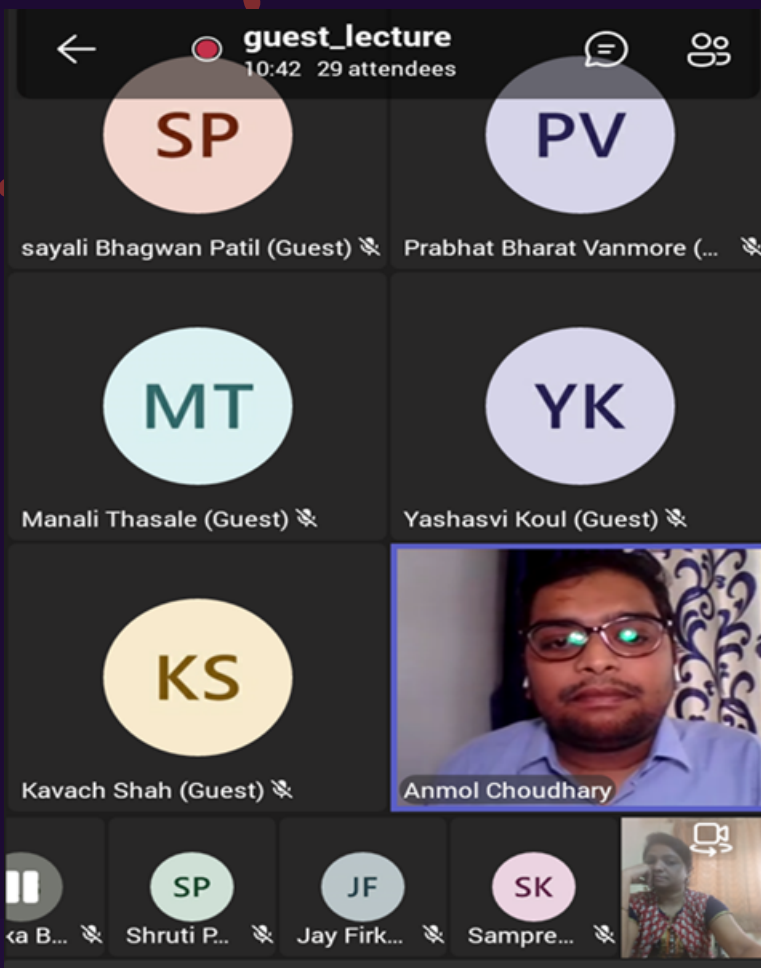
He started with the Introduction to AI. He discussed latest trends in AI . He also discussed some projects. Thus, students from the department of Computer Engineering received a totally new perception about AI and its implementation in application .



WEBINARS CONDUCTED IN 2021-22

Tips to crack Aptitude and Interview for Placement”

The online seminar featured the preparation required to clear Aptitude and Interview for placements. The Speaker highlighted the Expectations and Challenges in the recruitment process. He guided the available preparation materials, resources, models, mock tests that would be helpful for the students. The students cleared their doubts and queries. The session was of significant assistance for students to overcome their doubts regarding, How to get ready for placements!



SPEAKER OF THE EVENT

Mr. Anmol Choudhary

Strong in design and integration with intuitive problem-solving skills. Proficient in PYTHON, C++ and SQL. Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Skilled at developing reports, analyzing data, and identifying solutions

Passout Batch 2020-21

ARISE 2021 INTERNATIONAL TECHNICAL PAPER PRESENTATION

Objective of the event

- To provide a platform to students to exhibit their technical talent in the form of Innovative paper.
- To encourage and promote professional interaction among students.
- To enhance the knowledge exchange of theoretical research and practical advancements.
- To enhance presentation skills of students

ALUMNI JUDGES



Vishal Sahay
Batch In: 2008-09
Batch Out: 2012-13
Designation: Senior IT Auditor
Company: Yahoo USA



Karan Chopra
Batch In: 2005-06
Batch Out: 2008-09
Designation: Licensed
Canadian Immigration
Consultant (RCIC, Canada),
Director
Company: VVKARE Immigration
Consultant, Toronto, Canada



Pritam Bhor
Batch In: 2010-11
Batch Out: 2013-14
Designation: IT Analyst
Company: TCS Barcelona,
Catalonia Spain

SKILL DEVELOPMENT PROGRAM

Student Achievement



Saket Pathak from TE Comp participated in IOT Challenge event “AAKAR “ conducted by IIT Bombay and was awarded with Outstanding performance

SOME OF OUR FAMOUS ALUMNIS IN THE FIELD ART

Year of Graduation: 2011-12

Field: ENTERTAINMENT,
ART, Owns music label
SVMT Music, Film Director,
Song Director,
Cinematographer, Editor



Shrikant Tuli



Nikhil Nair

Year of Graduation: 2015-16

Field: ENTERTAINMENT, ART,
1. Live and SnP Producer(Bigg Boss OTT,Big
Boss Season 15 Hindi)
2. Story Editor(Big Boss season 3 Malayalam)
3. Registered Dance Company: Nikhil Nair's
Dance Warehouse MSME

Year of Graduation: 2016-17

Field: ART, MODELLING

Apart from this, Kajal is doing freelancing
for various brands like Amazon, Flipkart,
Trell & Josh App and many more as well.
She is a model, blogger & influencer on
social media platform where she promotes
various vocal as well global brands to her
audience.



Kajal Sutar

ALUMNI INTERVIEWS

Q1. About Yourself

Ans. Hi, my name is Sourabh Mane. I was a part of this college from 2014 to 2018. I graduated with a degree in Computer Engineering. However, funnily enough, I have never worked in a corporate job nor have I gone for a job interview. It has been 4 years since I graduated and as I write this, I'm about to commence my 4th business



Q2. How did college prepare you for your career?

Ans. I've always been fascinated with the idea of building your own company than working for somebody else. Luckily, thanks to the college and the extracurricular events, I met one of my mentors, a guy who was a senior in college. We both shared the same business mentality and he became like a big brother to me who, alongside my professors groomed me to develop the right attitude and discipline needed to build my own company. All the professors had some wisdom to offer outside of academics, which makes more and more sense as I grow old and experience life.

Q3. What was your first job after graduation? How did you get it?

Ans. Well, after I graduated before starting anything of my own, I was working for my parents, helping them with their business to get some real-life understanding and experience. Thankfully, my parents were kind enough to offer me a position without any interview.

Q4. Has anyone in your life been a mentor to you? How did their advice help you?

Ans. I have 3 mentors that I look up to. All 3 of them have guided me in 3 different areas of life. One laid down the foundations for business, one for money, and one for mindset, helping me build the right attitude and personality.

Q5. What was the most challenging part of your career?

Ans. Thinking outside the box. While everyone around me was so ecstatic about getting a job, there I was, trying to swim against the tide. There were times in the beginning when I questioned myself If I had made the right choice.

ALUMNI INTERVIEWS

Q6. What's something about your work that you really enjoy?

Ans. Freedom. I have the luxury of making decisions, and scheduling work to my liking.

Q7. How would you describe the college's extracurricular environment?

Ans. Energetic. It's something that all of us were excited about. It gives you a chance to meet and interact with people from other branch and indulge in activities outside of academics.

Q8. What were your favorite classes?

Ans. All of them, the classes were never the problem, it was the exams. If I have to pick one though, I was most excited about Web Technology.

Q9. Down the memory lane (something you would cherish)

Ans. The Mass Bunk. However, we got in trouble for that, so don't do it.

Q10. What sets this college apart from others?

Ans. I've only been a part of this college, so wouldn't know. Well, to be honest, it will depend on your perception. Every entity has certain characteristics which make them unique. Depending on your personality, you will find some things to be perfect and others not so much.

Q11. What advice would you give to an incoming freshman?

Ans. For someone who is just joining in as a fresher, from my own experience, I would advise you to be mindful of the people you choose to surround yourself with, after all, you are a product of your environment, and make sure to embrace every moment of this new journey because 4 years will fly by before you know it.

Saurabh has 2 Proprietorship Businesses, 1 Partnership Firm and 1 LLP. Out of the 2 proprietorship businesses, one deals with trading of grain based products and other one deals with trading & investment in the stock market, the partnership business deals with construction of buildings, and the LLP deals with trading of petrochemical products.

ALUMNI INTERVIEWS

Q1.About yourself (Name, Batch year and Department, current position in Industry)

Myself Er. Rahul Kirdoo, 2010 passed out student of Computer Branch from Bharati Vidyapeeth College of Engineering (proud to be a part of Bharatian)



Q2. How Did The College Prepare You For Your Career?

I was somewhat shy during high school, but college helped me to come out of my shell. I joined the debate team in my freshman year and developed confidence in presenting my views. Since then, I have excelled at class projects where we have done team presentations. Now, I feel comfortable presenting and speaking in front of large groups.

Q3.What was your first job after graduation? How did you get it?

My first job was as a Network Engineer in Tikona Digital Network the I was in Reliance as well.

Q4.Has anyone in your life been a mentor to you? How did their advice help you?

I had several mentors along the way, to help in my fitness journey, business and career.

Learnt quite a bit from my mentor, he helped me identify my vision/goal and used to have weekly calls to share how I did and any road blocks. Since she is from a totally different industry with lots of diverse experience she was able to ask me the important questions and helped me figure out the next step every single time.

Having a right mentor at different stages is a huge blessing, keep looking and if u found one, appreciate and be grateful because they can change your life for the better!!!

ALUMNI INTERVIEWS

Q6. What's something about your work that you really enjoy?

A few years ago, when I started my career as a self-employed individual, my income for the first few months was close to none. On the other hand, my friends were already employed and were making INR 20–30k per month while the toppers were making somewhere around INR 60K-80K per month. After about a month or two, I started making the same amount of money as my friends were.

Today I am at a point where I some days make in a day what my employed friends make in in a month. Slowly and steadily my income kept growing, because my earnings were not capped by someone, instead my income depended on how much work I put in.

This is the beauty of being a self-employed individual or starting up a business.

Q7. How would you describe college's extracurricular environment ?

The importance of extracurricular activities on college campuses is well established. The primary goals of extracurricular activities focus on the individual student level, the institutional level, and the broader community level.

Students also develop skills specific to their career path and imperative for future job success. Students have opportunities to improve their leadership and interpersonal skills while also increasing their self-confidence. Extracurricular involvement allows students to link academic knowledge with practical experience, thereby leading to a better understanding of their own abilities, talents, and career goals.

Q8.What were your favorite classes?

Such bolu toh mujhey Maths ke class he sab se best lagti thi coding toh mere upar se rocket ke jaisa niklta tha.

Q9.Down memory lane (share some memories about college that you would cherish)
Waise toh khoob sari memories hai but college fest" Abhiyan" Yeh jo time period hota tha are golden memories of my college life jo kabhi bhul nahi saktey .

Q10.What sets this college apart from others?

Kisi college ka campus acha ho sakata hai kisi ka infrastructure but staff achha ho yeh bus Bharati main possible hai Bharti ka best part Bharti ka teaching and non teaching staff jo itna helpful hai ki tumhey lagega nahi ki tum kisi other state main aa ke padhai kar rahey ho .

ALUMNI INTERVIEWS

Q1. About yourself (Name, Batch year and Department, Current position in Industry)

Answer 1

Name: Rahul Mahadeo Ingale

Computer Engineering Batch of 2004-2008

Currently working as a Chief Officer in Mangaon, District Raigad

(Gazetted Officer through MPSC Selection)

Work Profile:

- Managing civic amenities in Mangaon Nagarpanchayat Area
- Implementing Government of India's and Government of Maharashtra's ambitious schemes like Pradhan Mantri Awas Yojana, Swacch Bharat Mission, Mazi Vasundhara.



Q2. How did college prepare you for your career?

By inculcating moral values and leadership qualities; also by teaching me good communication skills.

Q3. What was your first job after graduation? How did you get it?

I worked as an Administrator in Skylark Computer Academy which is a family enterprise.

Q4. Has anyone in your life been a mentor to you? How did their advice help you?

At various stages of student life and career, I have been mentored by various individuals. It has helped me to make better choices.

Q5. What was the most challenging part of your career?

My first posting was in Bhiwandi Nizampur City Municipal Corporation. Demolishing illegal construction while keeping public calm was quite difficult part over there.

- System Security
- Engineering Mathematics

ALUMNI INTERVIEWS

Q6. What's something about your work that you really enjoy?

Meeting new people daily is quite exciting part of my work. Everyday seems to be a new challenge.

Q7. How would you describe college's extracurricular environment?
Abhiyaan cultural event was quite innovative.

Q8. What were your favourite classes?

- Image Processing
- System Security
- Engineering Mathematics

Q9. Down memory lane (share some memories about college that you would cherish)

I mostly cherish the memory of making new friends back then. By then (2004-2008) Kharghar was a small town and I really cherish leisurely life in Kharghar.

Q10. What sets this college apart from others?

a.It's Location b. Encouraging faculty members

Q11. What advice would you give to an upcoming freshman?

- Without first class, there is no Engineering.
- Take advice of your teachers sincerely, it helps in long run.

ALUMNI INTERVIEWS

Q1. About yourself (Name, Batch year and Department, current position in Industry)

I am Gauri Bathe, I have completed my ME from the department of Computer Engineering in 2017, I have worked as Sr.Quality Assurance Engineer at Citiustech



Q2. How Did the College Prepare You For Your Career?

I feel that I was well prepared for real-life situations and jobs. Difficult courses have taught me exceptional critical-thinking skills and that the answers will not always be in front of my face. Through courses like Data structures, Network Security, and Operating System I have learned how to solve complex problems and that high-quality results take hard work.

Q3. What was your first job after graduation? How did you get it?

I started working as a Quality assurance engineer at Reliance Jio, there is a fun story behind my first job, I went to grab the opportunity for an internship in Reliance Jio but fortunately, my interview went so well, and I bagged a full-time job opportunity as Quality Assurance Engineer in the same interview.

Q4. Has anyone in your life been a mentor to you? How did their advice help you?

My mother has been my mentor all my life and her advice of not giving up no matter what happens, helped me to face many difficult situations in my life.

Q5. What was the most challenging part of your career?

Keeping myself updated with the latest technologies as well as continuously showcasing them to my subordinates.

ALUMNI INTERVIEWS

What's something about your work that you really enjoy?

I always wanted to become a Quality Assurance Engineer, I like the fact that we make sure the quality of the product and keep it defect-free enhancing the user experience.

How would you describe the college's extracurricular environment?

I strongly feel Bharti Vidyapeeth arranges good festivals as well as educational activities that keep students engaged.

What were your favorite classes?

My favorite classes were Data Structure and Network Security.

Down memory lane (share some memories about college that you would cherish)

I will always remember the memories I created with the friends I made in college, our last-minute rush to submit assignments, group studies before exams, and the fun activities we enjoyed in the college festival.

What sets this college apart from others?

I Believe all the teaching faculty here share a special bond with students, and they are always ready to help their students with any academic difficulties and doubts.

What advice would you give to an incoming freshman?

Be realistic about your future decisions. If you want to head to a top company, you need to start thinking and working for that immediately. And while that includes getting good grades, it's not just about grades. You also must be involved and take leadership positions because, at the end of the day, that's what makes you stand out.

ALUMNI INTERVIEWS

Q1. About yourself (Name, Batch year and Department, current position in Industry)

Amol Govinda Baviskar, 2008 Batch Passout, State Excise Department, Commissioner Office, Mumbai also working as Training and Placement Officer and CSR in JSPM Group of Institutes in Pune



Q2. How Did The College Prepare You For Your Career?

All credits goes to my mentors, teacher of BVCOE specially Prof. Rahul Patil Sir they help me to prepare for GATE. And I am very happy that I have qualified my GATE exams in TE of my Engineering.

Truly saying I focused on my career from TE and planned to do M.Tech from reputed college VIT, Pune.

College was a long time ago for me, but in reflection I think college prepared me for my professional career in three important ways:

It developed my ability to learn.

It heightened my sense of curiosity.

It enhanced my social skills and emotional intelligence.

My sense is that, for me, the process of learning continues to develop in terms of breadth, depth, and speed. The issue I see is that the more I learn, the more I realize I don't know, hence the more I want to learn, and I'm running out of time.

Q3. What was your first job after graduation? How did you get it?

I worked in IBM as Database Domain. As all credits goes to college Training and Placement Cell which focused on soft skills, aptitude skills and technical skills which are very much needed for getting job.

Q4. Has anyone in your life been a mentor to you? How did their advice help you?

Yes I am very much thankful to Rahul Patil Sir and Varsha Patil Mam for supporting me and guiding me all the time.. who built my confidence which is very much needed in earlier stage.. from where my career starts .

ALUMNI INTERVIEWS

Q6. What's something about your work that you really enjoy?

Building career of students which really feels Great and proud to me.. I my very happy that I have placed more than 2000(still going on) needy students in reputed companies with package from 3 to 18 LPA.

Q7. How would you describe college's extracurricular environment?

College mentally helps us in all possible ways like arranging indoor games, outdoor games, organizing social and technical competition.

Q8. What were your favorite classes?

I would love to attend Prof. Karande Sir class and Rahul Patil Sir class..Excellent way of teaching..

Q9. Down memory lane (share some memories about college that you would cherish

Memories I which remember most is last day of my college on Gathering and also my hostel life with my friends and seniors they taught me how to live life.

Q10. What sets this college apart from others?

Always do your research ..keep on learning new skills..Always helps others.. In return God will help you in different ways.

Become a socio guy take out time for society which will help someone.

11) What advice would you give to an incoming freshman?

Keep on learning new skills, build your confidence, just work were you get mental satisfaction..

Keep on Helping others!

Works as a team!

Love your work

Best wishes to all juniors.. always you can reach me will help you to get job

ENTREPRENEUR ALUMNI

VIVEK PAWAR

Batch In: 2013

Batch Out: 2015

Company Name: Atoconn System Labs Pvt.Ltd

Designation: Chief Executive Officer & CTO -
ATOCONN

Atoconn System Labs Private Limited is incorporated in India with mission of "connect the word digitally and live smart and productive life". Atoconn follow very simple DNA : Simplicity, Experience and Believe to offer better solutions to customers.



SUDHIR JADHAV

Batch In: 2009

Batch Out: 2013

Company:

- Amexs Business Solutions PVT LTD
- Centillion - A division of Amexs Business Solutions Pvt.Ltd.
- Information Technology Learning Hub-ITLH
- Centillion Tech Pte Ltd

Designation:

- Co-Founder/Director (Amexs Business Solutions PVT LTD)
- Co-Founder/Director (Centillion)
- Co-Founder and Director (Information Technology Learning Hub-ITLH)
- Co-Founder/Director (Centillion Tech Pte Ltd)

Sudhir Jadhav is a Experienced Co-Founder with a demonstrated history of working in the information technology and services industry. Skilled in Photography, Business Planning, Sales, and Human Resource. Strong entrepreneurship professional.

ENTREPRENEUR ALUMNI

RAHUL SHELKE

Batch In: 2004

Batch Out: 2008

Company Name: My cute office & Qpeka

Designation: Co-founder of My cute office & Qpeka

Rahul is a Co-founder of My Cute Office, an initiative to give professionals a working space without upfront costs. My Cute Office reaches out to office owners having spare space and asks them to give it out to those who are in need of a daily and monthly rental.

Rahul co-founded Qpeka - A digital publishing website that also acts as a medium for authors to directly reach out to their readers.



PRITESH PATIL

Batch In: 2008

Batch Out: 2012

Company:

- **Petrichor Consultancy**

Designation: Sole Proprietor

Petrichor Consultancy introduces itself as a credible placement consultancy in Pune. The company is actively involved in providing various placement services to various candidates and organizations. The list of our placement services includes HR consultancy services, manpower recruitment services, placement consultancy services, career consultancy services, and corporate training services. A group of skilled, semi-skilled and dexterous placement consultancy experts is there for us to manage all our company operations. Connect with us now by dialing our numbers to avail our services.

Headquartered at Pune (Maharashtra, India), Petrichor Consultancy is operating in the industry since 2021. Under the expert guidance of Mr. Pritish Patil (owner), the company has flourished at a good pace.

ENTREPRENEUR ALUMNI

Amol Gat

Batch In: 2004
Batch Out: 2008

Company Name: **Source Tech**
SoureTech is professional services provider
for Commercial and Residential premises.



Ojas Dudhane

Batch In: 2013
Batch Out: 2017

Company: Samruddhi Green Energy
BRIQUETTES and PELLETS
MANUFACTURER



Amritansh Kumar
Batch-In: 2009-10
Batch-Out: 2012-13

Company Name: Neurodynamic AI,
Bangalore Karnataka

Designation: Founder & AI Researcher
Neurodynamic AI-We are working on grand
problem of Artificial General Intelligence with a
mission to solve insurmountable problem
plaguing humanity.



ALUMNI MEET 2022



ARISE 2022 ORGANIZED BY CESA

This year's Computer Department Fest, formerly known as Technomania, was held on 22nd and 23rd March. The team members of the Computer Engineering Students Association led by Ms. Soniya Jadhav started their brainstorming sessions on the theme in February. After a lot of discussions, they decided on this year's theme to be Metaverse, Computing in India, and Women in Computing. They dedicated 3 labs for Metaverse, Computing in India, and Women in Computing each and decorated them accordingly.



Computer Department HOD, Dr. D R Ingle welcoming our Principal, Dr. Sandhya Jadhav



ARISE 2022 ORGANIZED BY CESA

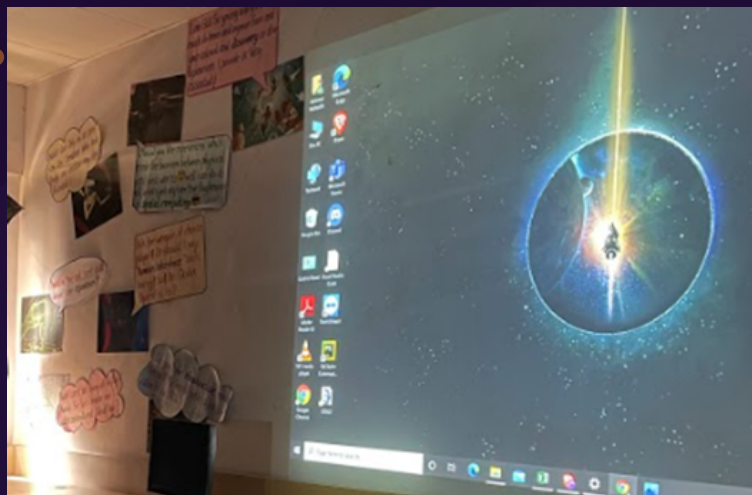
Metaverse

Following the latest trends of the tech world, the Metaverse is being staged as the next big thing in the consumer market . It promises experiences which far outweigh the ones to which we have access today . We attempted at creating awareness regarding this technology which truly culminates all of computing history into the pinnacle of tech world, while exploring the allied technologies it's lives off!

The team members blacked out the lab and created a metaverse room which featured short films on metaverse concept and behind the scenes videos of CESA . The guests also enjoyed the videos playing on VR box . Adorned with posters , the Metaverse room was the main attraction of this ARISE 2022 .



Heads of all Departments touring our Metaverse room

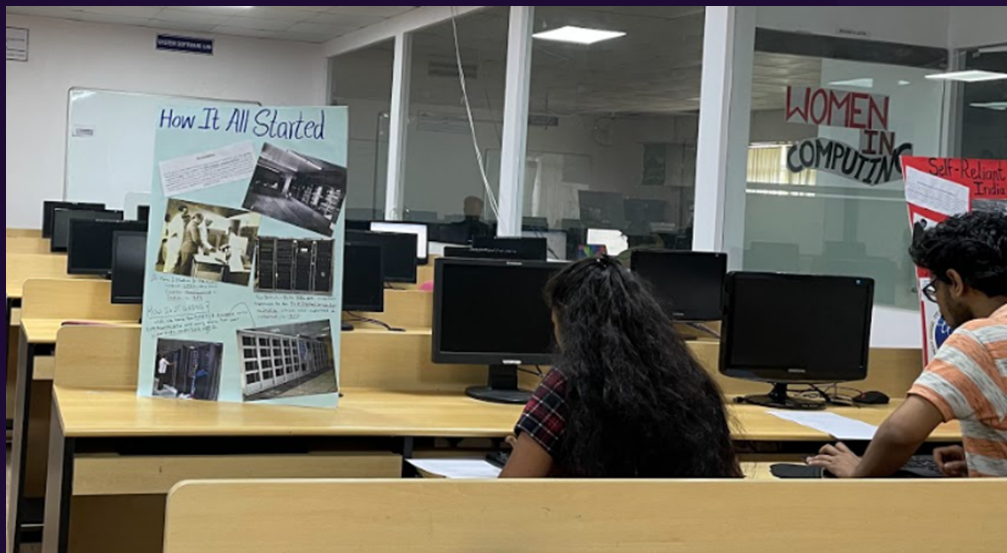


Posters in Metaverse room

ARISE 2022 ORGANIZED BY CESA

COMPUTING IN INDIA

Computing in India has evolved a lot since 1950s, from the assembling the first computer in India back in 1959 to becoming a global force in computing services . Here we strive to be concise in throwing some light on history of strategic computing in India and the opportunities one has as a computing student in such places . Students and our guests let their mind soak in certain facets of the relationship between their field of study and the nation they live in which weren't explored yet!



Women in computing.

More than 150 years ago, Ada Lovelace wrote the first computer program—an algorithm to calculate Bernoulli sequences. From developing the first compiler to uncovering bias in AI recognition software, women's contributions to computing are varied and important but not always credited or celebrated. We took this opportunity to throw light on women pioneers in computing and beyond, as you can only be what you can see, it is very important for women to realise their true potential in computing and beyond and this is a small step in that direction to instill faith in your own self .

Everyone was exposed to facts and history which not only shattered several pre conceived notions, but also set a precedent one can follow.

There were a number of posters which included interesting facts and information about Margaret Hamilton , Sudha Murthy , Grace Hopper and Women in the Bletchley Park .

ARISE 2022 ORGANIZED BY CESA



Students explaining the Theme



Principal Madam Admiring the Event

ARISE 2022 ORGANIZED BY CESA





Various Technical, as well as Non-Technical competitions, were organized. The Technical events included Blind Coding, Hackathon, Placement activities like Mock interviews, and Group Discussions whereas Non Technical activities included FIFA, Counter-Strike, BGMI, and drone flying.



STUDENT INTERNSHIP

Congratulations to the following students who done Internship



|   | Name of Student | class | Name of Company |
|--|----------------------------|-------|--|
| | CHOUDHARI VAISHNAVI GANESH | BE | Trivia Softwares |
| | DHOTRE KOMAL MAHESH | BE | Trivia Softwares |
| | JADHAV SONIYA DIPAK | BE | Gustovalley Technovation LLP |
| | | BE | Study Circle and Smart Consultant |
| | | BE | Study Circle and Smart Consultant |
| | KADAM SANKALP SUNIL | BE | PNT Solutions |
| | KALE SNEHAL MACHINDRA | BE | suven consultants & Technology Pvt.Ltd |
| | MOHITE SANDHYA SHANKAR-RAO | BE | Skyosys Pvt. LTD |
| | MUKADAM VEDANT | BE | Reliance Industry Limited |
| | SAWANT PARESH SANTOSH | BE | SAKEC-ECS |
| | SHAH KAVACH MANISH | BE | IIITians Embedded Technosolutions |
| | SHINDE PRASAD PRAKASH | BE | |
| | SINGH ABHISHEK KUMAR | BE | Suven Consultants |
| | TAMBE MRUNAL SOMNATH | BE | Rastriya chemicals and Fertilizers limited,Chembur |
| | THAKARE MRUGAKSHI SANJAY | BE | Suven Consultants, The Sparks Foundation,SuccessR |
| | TUPE AISHWARYA SAMBHAJI | BE | Pie Infocomm Pvt Ltd, Youth Empowerment Foundation NGO |
| | VISHWAKARMA DIVYESH N | BE | Suven Consultants |
| | WANKHEDE TUSHAR SURESH | BE | SAKEC-ECS |
| | WATHORE PUSHKAR PRAKASH | BE | Unschool |
| | ZAGADE HRUSHIKESH RAMESH | BE | PNT Solutions |
| | DAWE TAAHAA KHALIL | TE | Trivia software |
| | KOLI KUNJAL VIKAS | TE | Npways.com |
| | YENBHAR DARSHAN SANTOSH | TE | Rivan Solutions |

PLACEMENT 2021-22



Nikhil Mandlik from 2020-21batch got selected with “ShareChat” as a Software Development Engineer with a package of 24 LPA

PLACEMENT 2021-22

COMPUTER ENGINEERING DEPARTMENT Placed Students 2020-21



Pallavi Dhumal TCS Vedant Jadhav TCS Anmol C. TCS Anisha K. TCS Tejas Ghadshi TCS Shivam Mishra TCS Ikram T. TCS Makand T. TCS Abhishek K. TCS Vipul Shewale Qualitykiosk



Kunal Kadam Qualitykiosk Pranav N. Qualitykiosk Priyanka P. JIO Hitesh Bangar JIO Vaibhav U. JIO Nikhil Mandik GEP Rohit D. Infosys Anvit Paul Infosys Omkar T. Vistar Shreyas Zadrao Accenture



Adhoksh S. Accenture Varun Talati Accenture Aman Sharma Accenture Priyanka Sodhi ICON Atharva Waze Zeus Learning Raj Parab Zeus Learning Pankaj Kumar Sankey Solution Ayush Shetty Neosoft Tejas Raut Mindcraft Parth Patne Mindcraft



Shantanu S. Mastek Sandip Gouda Jio Shubham K. Accenture Kirti G. Wipro Rohit C. Cognizant Dhiraj K. TCS AJay Jha IDBI Perina R. Cognizant Manasi Bhoir Jio Anuja Kadam Infosys



Shwetali H. Contexio Shweta K. Jio