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# INSIDE THIS ISSUE

# From The Professor's Desk

"Tough times don't define you. They refine you."

Turbulent waters teach the sailors the actual skills to keep the ship afloat. Challenges teach to cope with hardships, and a lesson thus learned is never forgotten easily. The latest COVID-19 pandemic has affrighted the world with its swinging impacts on human health and lives. However, I strongly believe that every negative comes with some positive aspects of it as well. We just have to be capable of pointing out those positives. The COVID-19 pandemic has also taught us some valuable life lessons.This pandemic has made us re-evaluate our lives and assess our priorities and served as a reminder of how precious life is and appreciate the small things in life.
COVID-19 pandemic has resulted in at least one positive thing: a much greater appreciation for the importance of public ( offline) schools/colleges.
"And now let us welcome the new year, full of things that never were."

**Mrs. Sukanya Roychowdhury**
(Assistant Professor)

"Take up one idea. Make that one idea your life - think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body, be full of that idea, and just leave every other idea alone. This is the way to success."
- Swami Vivekananda

# From The Editor's Desk

Dear Students,
It is a moment of pride and joy to place in the hands of our esteemed readers Issue 14 , 2021-22 odd semester. As we trudge along uncertainly under the looming shadow of the pandemic, it is our absolute pleasure to thank each one of you for your continued support and patronage for making this issue a successful read!!!
Hope you and your family are safe and are following the social distancing norms. The Covid-19 Pandemic has brought us all in an unprecedented situation, and we hope to see everyone offline next semester.

# Highlights

- Asma Parveen I Siddavatam won 4th Prize with Cash prize of Rs.20,00,000 lacs INR at the Swadeshi Microprocessor Challenge, organized by the Ministry of Electronics and Information Technology in collaboration with CDAC, IIT Madras, IIT Bombay and Makervillage.

- QuestIT - A new Students Cell was incepted for the Students and by the Students of the Department.

# Departmental Activities

## e-Disha

A series of Technical events were organised as a part of "e-Disha" in association with VESIT-IQAC and VESIT - IIC. Expert talk was organised for the faculty and students of the Department.

Dr. Vikram Patil from Annasaheb Dange College of Engineering and Technology, Ashta, Dr. Kranti Ghag and Mrs. Dhanashree Toradmalle from Shah and Anchor Kutchhi Engineering


IPR, Patenting and How to file Copyright


IPR, Patenting and How to file Copyright

College, Mumbai delivered a session on "IPR, Patenting and How to file Copyright" on 28th August, 2021. The session and workshop was conducted for introducing Intellectual Property Rights and the process of filing a Copyright.


Computer Network Security

Another expert talk by Mr. Kamlesh Ahuja on "Computer Network Security" was organized on 4th September, 2021. The session was conducted to give insights of Computer Network Security, Applications of Network Security in industry and getting familiarized with Different Tools and Certifications in CNS. The participants were able to understand various Network Security concepts and they participated in the Quiz at the end of the session. Top three Winners of the quiz received prizes from speaker Mr. Kamlesh Ahuja.

# QuestIT

A new students council was introduced for the Students and by the Students of the Department - QuestIT. QuestIT is a technical cell with a goal to provide a platform for programmers, developers and students of VESIT to learn, compete and have fun through various Technical and Non-Technical Events. The main aim of the council is to help students and make them aware of the necessary things to cope up with the pace of the industry and be well prepared for the challenges that come with it. QuestIT aims to provide quality education that is useful for all the students. QuestIT helps students by conducting seminars, workshops, etc. on the topics students demand the most and help them be a master at that topic.
 The Council is backed up by a robust Students and Faculty Committee.
The Council conducted 2 events during the semester.

## QuestIT Team

**Faculty Incharges:**
Asha Bharambe
Manoj Sabnis
Kajal Jewani

**Secretary**
Devdatta Khoche (D20)

**Deputy Secretary**
Ninad Rao (D15A)
Aarushi Sharma (D15B)

**Publicity Head**
Fayzaan Qureshi (D20A)
Pooja Prasad (D20B)

**Publicity Member**
Jisha Philip (D15A)
Isha Gawde (D15A)
Swarali Patil (D15A)
Aditi Khandagale (D15A)
Hanshika Jasuja (D15B)
Nidhi Jain (D15B)
Manav Jawrani (D10A)
Meet Mulik (D10B)
Khushi Mahamunkar (D10A)
Riddhi Mehta (D10B)

**Technical Head**
Aditya Kotkar (D20)
Rohit Kundnani (D20)

**Technical Member**
Raghuttam Parvatikar (D15B)
Nupur Jeswani (D15B)
Siddhi Mudras (D15A)
Rohan Mane (D15B)
Sreekesh Iyer (D15B)
Omkar Pawar (D15B)
Nidhi Badiger (D15A)
Bhavik Rajpal (D10A)
Anish Lohiya (D10B)
Nandana Nair (D10B)

## VESIT Placement Webinar

VESIT Placement, aimed to apprise students of the Placement Process, approach towards Company, Internships and Freelancing. In this event, the students were informed about the various rounds of Placements such as the Aptitude round, Technical interview round, HR or Behavioral interview round and how to prepare for these rounds and the speaker also shared their personal experience of placements. Lastly, a brief overview on Higher Studies and Off Campus Placements was provided to students.



VESIT Placement Webinar
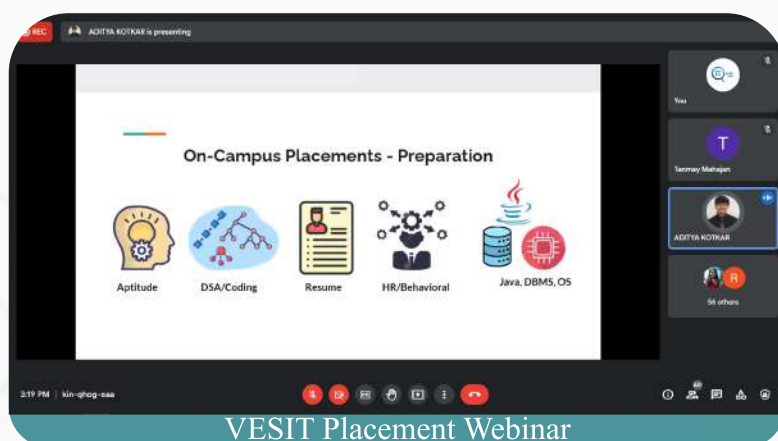
Date: 19th December 2021
Speaker : Aditya Kotkar

# Web Development with Firebase
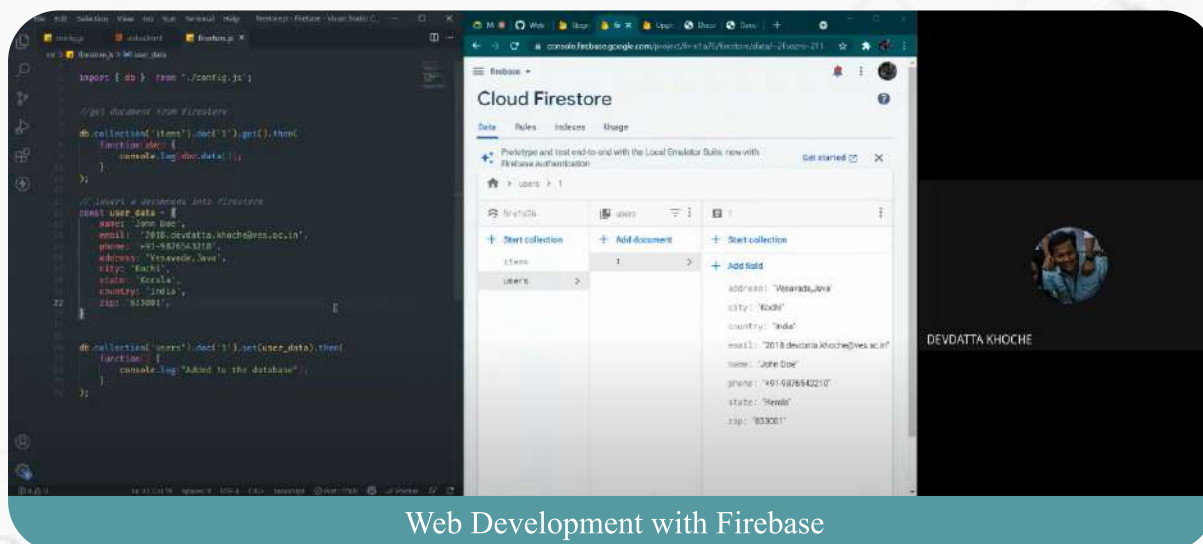
Web Development with FireBase, to explore the concept of having a database on the cloud, about no-SQL databases and the document-based pattern of storing data. The workshop included hands-on application development using HTML and JavaScript which uses Firebase as its backend. Flowed by on the second day was a demonstration of integration of Firebase with React.js and also deploy the React Project with Firebase.



Web Development with Firebase

Date: 20th & 22nd September 2021
Speakers : Devdatta Khoche, Srajan Shetty

# V-Reach

V-REACH, an Alumni Engagement Initiative, was conducted at the Institute level, to provide a forum for a series of webinars covering various domains of learning and support outcome based education and enable knowledge and expertise sharing of alumni for professional development of students. It aimed at actively engaging the stakeholders to expand VESIT's outreach.

V-REACH tried to unlock the Teaching Learning in an innovative way, through its inceptive series of 14 webinars commencing from 2nd to 19th August 2021, which was streamed on VESIT-YouTube channel.
The Department hosted 2 events.



Roshan Kulkarni



Anish Saraf

Event 1 - "**Booting Up! Adventures in Entrepreneurship**"
Speaker: **Roshan Kulkarni**, Founder and CEO, Mindstix Software Labs, Inc.
Date: 6th August 2021
Batch: 2013

Event 2 - "**Paradigm Shift**"
Speaker: **Anish Saraf**, J.P. Morgan Chase
Date: 18th August 2021
Batch: 2013

# LBS

LBS Championship is an Institute level competition with the purpose of motivating students to come up with new project ideas, which can be converted into real time applications or products. For the current academic year 6 teams were selected from the Department. Bhavya Hingorani , Raghuttam Parvatikar, Sristi Sharma, Rohan Padhye of third year having project title  Quality Assurance using Blockchain, Sakshi Gattani of third year has project title Plant recognition system using Image Classification , Nupur Jeswani,Mugdha Sholapure of third year have  project title Healthy Eats.Omkar Pawar, Adarsh Kadam, Vishnu Mukku, Pranjal Naik, Ketan Bhalerao, of third year  having project tite Demand-Supply Equalizer. Bhavya Hingorani, Raghuttam Parvatikar ,Sristi Sharma , Rohan Padhye of third year having project title Campus Connect and Nikita Khabya, Janhavi Patil of second year having projest title Automating the boring stuff with RPA.The teams are expected to demonstrate the working model of their proposal by the end of the academic year.

# Second year Orientation

An orientation program was organized to welcome the Second year Students and to provide information on policies, procedures and functioning of the Department. The orientation was conducted on Monday 27th September 2021 at 3 pm on the Google Meet platform. Dr. Shalu Chopra Head of the Department shared information on various facilities in the Department and achievements of Students and Faculty. The students also got introduced to the faculty members of the department.


Second year orientation
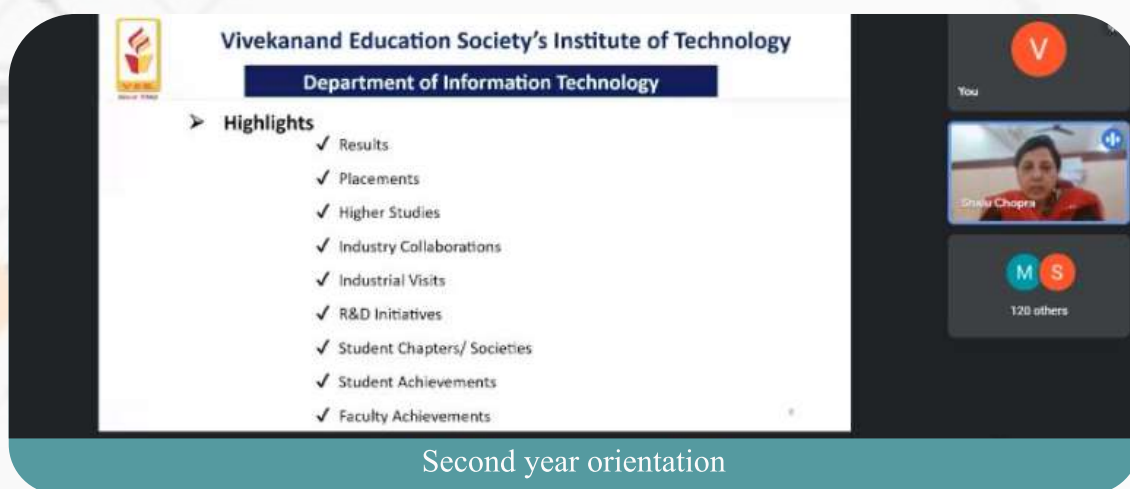
# Workshop and Seminars

## Blockchain Application Development ( Phase 3 and Phase 4)

The AICTE Sponsored Online Short-Term Training Program (STTP) Phase III on "Blockchain Platform and Applications" was conducted from  12th  to 17th July 2021. The speakers for the training program were Mr. Jetso Analin (Founder of KubixSquare & Co-founder of Code-X), Mr. Vikas H Kumar (Product Manager, Dvara SmartGold), Mr. Soham Zemse (Blockchain Engineer, Blockology) and Dr. T Rajani Mangala (Professor, VES Institute of Technology).


Day 5 Session - 1 : Handson
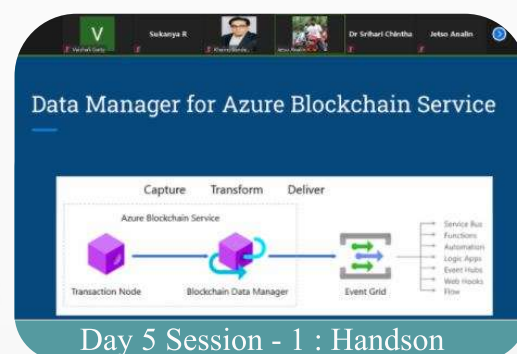
Phase 4 of the Training Programme was conducted from 16 Aug. to 21 Aug. 2021. The speakers of the session were Dr. Ashish Pandey (Associate Professor, IIT Mumbai) and Mr. BandenawazBagwan (Senior Trainer, Finland Labs).

The objective of this STTP is acquainting academicians with the Blockchain with its recent trends such as :
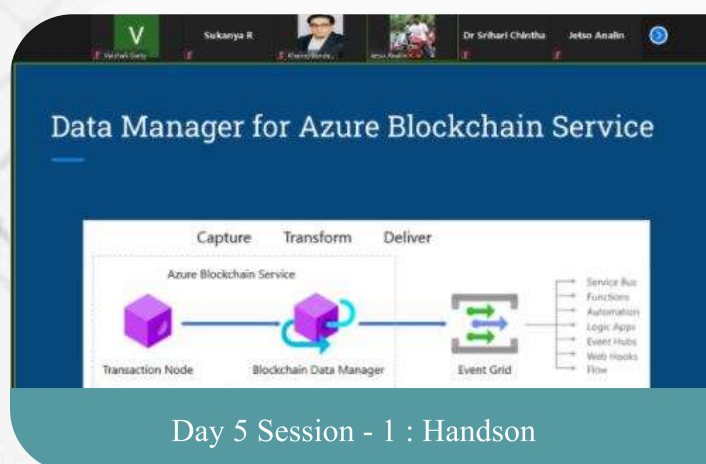

Valedictory Function - Phase 3 - 17th July 2021

- Introduction to Blockchain and its enabling Technologies.

- Discuss impact areas where Blockchain can support decision making for Societal Benefits.
- Insights into solving real life problems by Blockchain Experts from Industry.
- To enable the Faculty to add another dimension to their teaching and make them Industry ready

. Mrs. Vidya Pujari was the coordinator and Mrs. Dimple Bohra a part of the organizing committee.


Day 5 Session - 1 : Handson
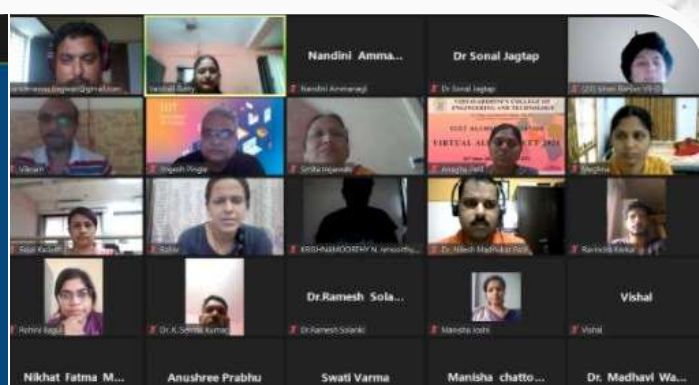

Valedictory Function - Phase 4 - 21st August  2021

# Importance of Corporate Social Responsibility

On 13 August 2021, a Skill Enhanced Lecture was conducted  for the third year students of the Department. The topic for the session was "The Importance of Corporate Social Responsibility and the activities undertaken by SUD Life under CSR". The guest speakers were Mr. Gnana William a Chartered Accountant presently working in Star Union Dai-ichi Life Insurance Company Limited (SUD Life) as Executive Vice President & Head Audit and Mr. Rakesh Kumar a Company Secretary and Law Graduate in SUD Life as Sr. Vice President.
The whole lecture was divided into two sessions. The first session was conducted by Mr Rakesh Singh. He focussed on the regulations and mandatory aspects of CSR. The session was further conducted by Mr. Gnana William who talked about the AATMANIRBHAR project (Self Sufficient Village or Swayampurna Gaon). The session was coordinated by Dr. Shanta Sondur.

# Web Application and Cyber Security

The session on Web Application and Cyber Security was conducted for the third year students of the department on 18th September 2021 on Google Meet platform. Subject expert Mr. Nayab Falke, Manager IT, The Clearing Corporation of India Ltd conducted the session. The session outlined a few of the Security Risks involved in Web Application and also various types of Cyber Attacks.

To set the stage, the speaker of the session, first refresh some of the concepts of networking protocols. Emphasised on understanding protocols to tackle security concerns. Further some of the commonly found Cyber Attacks were discussed with demonstration of few of the attacks. The session was concluded by discussing the best practices to be followed in creating a robust Web Application.
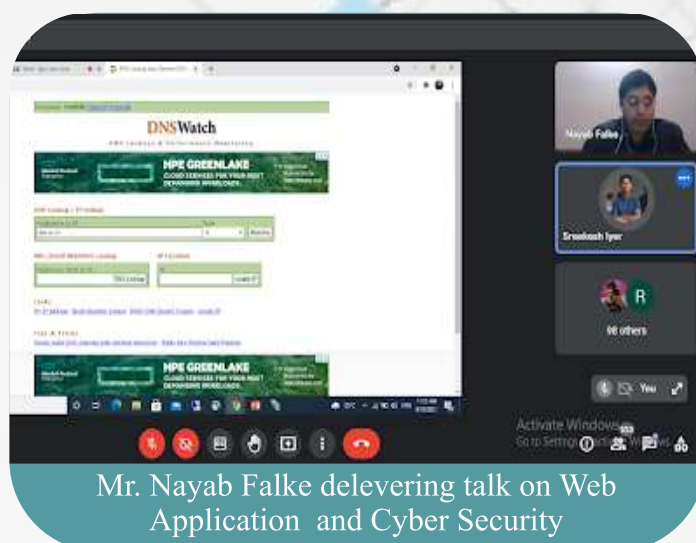

Mr. Nayab Falke delevering talk on Web Application and Cyber Security

# Session on Steering the Interview

A session on Steering the Interview was conducted by Mr. A. Nagananda, Training and Placement Office, on the 6th October 2021. The session was conducted for the third year students of the Department. The session was divided into two parts - Sample Form Discussion and Interviews.

The session also focused on resume writing, on how resume writing tells what the candidate wants to tell and not about what the company is looking for. The key inclusions of a resume and Tips and tricks of cracking Interview were discussed. The session was coordinated by Mrs. Vidya Pujari.
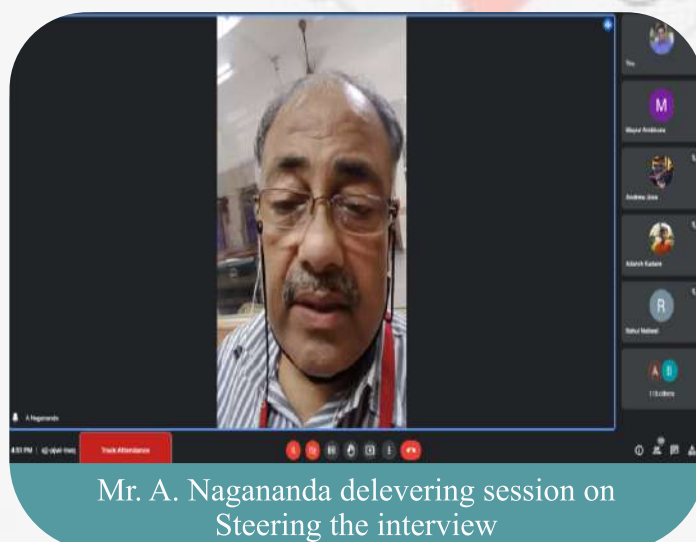

Mr. A. Nagananda delevering session on Steering the interview

# Session on Skill Set Analysis and Resume Writing

A session on Skill Set Analysis and Resume writing was conducted by Mr. A. Nagananda, Training and Placement Office, on the 1st October 2021. The session was conducted for the third year students of the Department.

Overall session was divided into two parts - Skillset Analysis and Resume Writing. Some skills are common as well as some companies require specific skills. It is important for the students to upgrade their skills by identifying the correct skills required for a particular field. Also, the Art of Resume writing was discussed.

The session was coordinated by Mrs. Vidya Pujari.
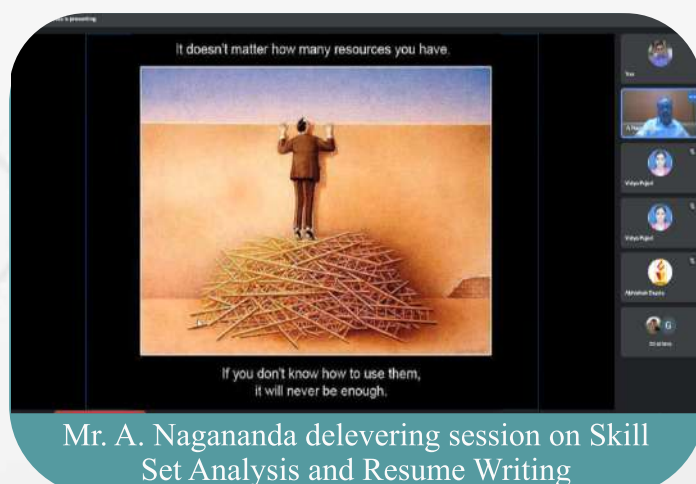

Mr. A. Nagananda delevering session on Skill Set Analysis and Resume Writing

# Stepping stone for a bright career

A session on Mini Project - Stepping stone for a bright career was conducted by Mr. A.Nagananda Training and Placement Officer, 4th October 2021. The session was conducted for the third year students of the Department. The session gave insight about various evolutions of the industry and brief description about the latest state of the industry followed by the explaination  about the importance of Mini Projects in preparing for various problems which would be faced in the future.
The session was coordinated by Mrs. Vidya Pujari.


Mr. A. Nagananda delevering session on Stepping stone for a bright career

# Introduction to PHP and Database connectivity with PHP

Ms. Megha Shahri of final year conducted a session for the third year students of the Department on Introduction to PHP and Database connectivity with PHP on the 15th September 2021. The session included an introduction to PHP which is a  server side programming language. Topics included basic constructs to session handling, configuring Xampp server and how web applications could access Databases with simple PHP coding. To get the participants to understand all the concepts put together, a simple To-Do List application was demonstrated. This session was coordinated by Mrs. Pooja Shetty.


Ms. Megha Shahri delevering session on Introduction to PHP and Database connectivity with PHP

# Business Structures and Their Tax Implications

On 28th September 2021,  a Skill Enhanced Lecture was conducted for the third year students of the Department. The guest speaker for the session  was Ms. Maitreyi Thosar who is an experienced SOX control Testing & Assurance Specialist with a demonstrated history of working in the Silicon Valley Bank, Bengaluru. The entire session was divided into two segments—types of business structures and tax implications.

The session also included discussion on companies Act, 2013, Income Tax Act, 1961 and General Tax calculations. This session was coordinated by Dr. Shanta Sondur.



Business Structures and Their Tax Implications

# Evolutionary Algorithm
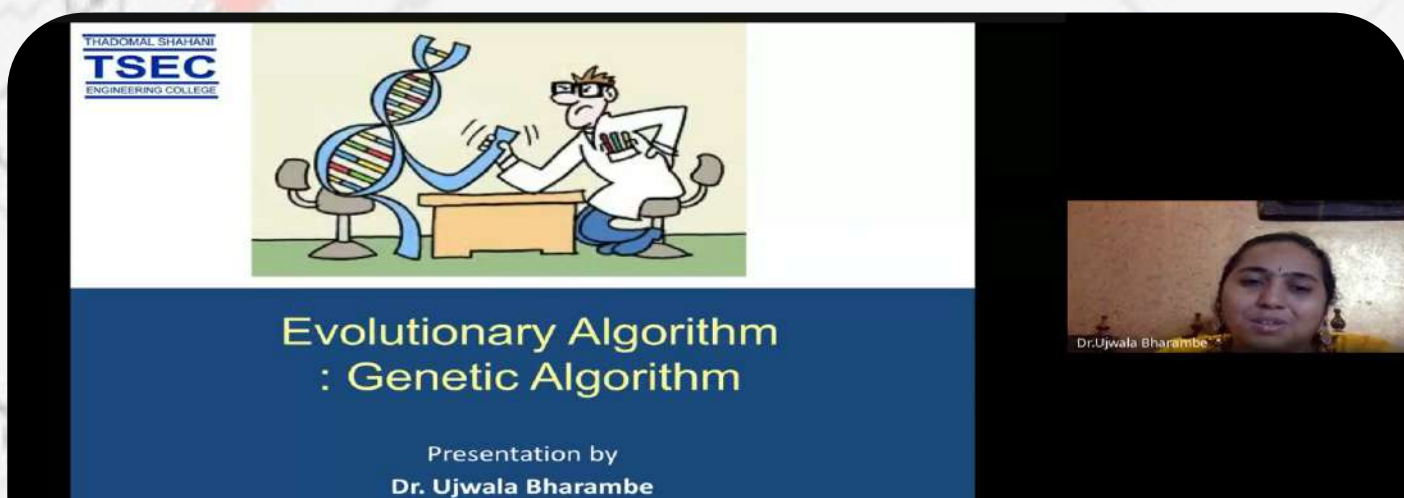


Evolutionary Algorithm

On 6th October 2021, Skill Enhanced Lecture on Evolutionary Algorithms (Genetic Algorithms) was organized for third year students of the department by Mrs.Charusheela Nehete .The topic for lecture was Evolutionary Algorithms (Genetic Algorithms). The guest speaker was Dr.(Mrs). Ujwala Bharambe, Assistant Professor, TSEC.

The speaker shared her insights on Optimization of algorithms, Evolutionary algorithms, Mutation, Crossover, Reproduction, how to generate initial population and their applications.The session included quizzes and the question answer session followed was quite interactive. Participants were interested to know more on Genetic algorithms from the speaker. Also there were curious questions related to Applications.

# Students' Corner
## Students' Achievements

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## D20

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**Technical Events**
- **Pooja Prasad** of final year has secured 2nd position in Code for Good event held by JPMC in June 2021.
- **Anurag Dash** has participated in ICPC Asia Amritapuri Doublesight Regional prelims and qualified for regionals among 3500 teams across various colleges across India. He got a rank of 505 in the regionals.
- **Anurag Dash** of final year has participated in ACM ICPC Doublesite Amritapuri 2020 Preliminary and Regional Round organized by ACM ICPC Amritapuri in August 2021.
- **Manju Paryani** has participated in e-Yantra Hackathon 2021: Fighting against COVID-19 held in May 2021.
- **Divya Kukreja** of final year has participated in KakushIn event organized by Nomura in October 2021.

**Non Technical Events**
- **Kritik Taktewale** of final year secured 1st position in e- sports organized by CSI-VESIT in August 2021.
- **Rohit Kundnani** of final year secured 1st position in Portfolio scenes of Vesit of Utsav'20 held in May 2021 by the Cultural Council.
- **Sakshi Jetley** of final year has secured 1st position in Portrait Making and Mandala Making of Utsav' 20 held in May 2021 by the Cultural Council.

## Internships

- **Shubhra Jena** of final year was interned as Business Analyst Intern for 1 month at TCS.
- **Shreyas Khadapkar** of final year interned for 3 months as Full Stack Developer at Postit.
- **Rohan Asrani** of final year has completed a month's internship at Project Swechchha in June 2021.
- **Srajan Shetty** of final year has interned as full stack developer at SWAGIT for 6 months.
- **Jayesh Kriplani** of final year has interned as Data Science and Business Analytics Intern at The Sparks foundation for 3 months.
- **Devdatta Khoche** of final year was interned as backend developer at Redcarpetup Pvt Ltd for 6 months.
- **Manju Paryani** of final year has completed a one month internship as Machine Learning intern at ECS Academy in the month of June 2021.
- **Dharkan Mohinani** of final year has successfully completed a month's of Web Development Internship at Grace of Glory Ministry Trust in the month of June 2021.
- **Harmeet Singh** of final year has interned as Software developer at CuriousJr in the month of May 2021.
- **Sameer Keswani** of final year was interned as Web developer at Sparks foundation for 3 months.
- **Praveen Khatri** of final year has completed a month's internship as Web developer at Trivia Software's in the month of August 2021.
- **Praveen Khatri** of final year was interned as Web developer at Sparks foundation for 3 months.
- **Soham Patkar** of final year was interned as ML intern at Classforma for 3 months.
- **Rutuja Rajhans** of final year was interned as Web developer for 1 month at Industry Inspire Talks.

## Workshops Attended

- **Sakshi Jetley** of final year attended the 3 months workshop on Google Facilitator Program by Google.
- **Jayesh Kriplani** of final year attended the Django Workshop organized by CSI-VESIT.

# Courses Attended

- **Pooja Prasad** of final year has successfully completed the Fundamentals of Digital Marketing course from Google in September 2021.
- **Sameer Keswani** of final year has successfully completed Online Live Training in Django 3.x Framework & Django REST API with Kamal Sir from 9th Aug 2021 to 1st Sep 2021.

# D15A

**Technical Events**

- **Sreekesh Iyer** and **V Krishna Subramaniam** of third year division A secured the third position in AI Syberathon conducted by IIC, VESIT.
- **Kartik Chaurasiya**, **Atharva Gore**, **Khan Riyaz Ahmad Ishraque Ali** and **V Krishna Subramaniam** of third year division A participated in the AI Syberathon conducted by IIC, VESIT.

**Non Technical Events**

- **Jisha Anna Philip** and **Mugdha Sholapure** of third year division A secured the Second Position in Musical Misfits conducted by the VESIT Music Council.

# Internships

- **Sreekesh Iyer** of third year division A is currently interning at SUD Life Insurance as a Software Developer.
- **Tanmay Mahajan** and **Shreyash Jadhav** of third year division A interned as a Data Science intern at The Spark's Foundation for one month from 1st July, 2021.
- **Namrata Kataria**, **Sony Hotchandani**, **Vinay Kalyani** and **Khan Riyaz Ahmad Ishraque Ali** of third year division A interned as a Web Development intern at Spark's Foundation for one month from 1st July, 2021
- **Atharva Gore** of third year division A interned as a back-end developer for the Ganit app in collaboration with COEP for Two months from 15th June, 2021.
- **Aditi Khandagale** of third year division A interned as a Full Stack developer at Spark's Foundation for one month from 1st July, 2021.
- **Isha Gawde** of third year division A interned as a Graphic Designer and Social Media Handler at Stocc Guru for two months from 20th June, 2021.
- **V Krishna Subramaniam** of third year division A is currently interning as a Back-End Developer at Ganit App in collaboration with COEP and as a Full Stack Developer at VESIT admissions Website.
- **Aditya Dubey** of third year division A is currently interning as a Python developer at Ganit app in collaboration with COEP.
- **Jisha Anna Philip** of third year division A interned as an Application Developer at StoccGuru for two months from 21st June, 2021 and as a Software Testing associate at The Entrepreneurship Network for three months from 15th July, 2021.
- **Nidhi Bangera** of third year of division A interned as a Data Science and Business Analytics intern at the Spark's Foundation for one month from 1st July, 2021.
- Swarali Patil of third year division A interned as a web development intern at The Spark's Foundation for one month from 2nd July, 2021.
- **Aditi Singh** of third year division A interned as an AWS cloud computer at Capgemini for 2 months from 16th June and is currently interning as a Full Stack Developer at Swagit from 14th September, 2021.
- **Bhavika Bulani** of third year division A interned as an app developer at VESIT CMS for 3 months from 1st July, 2021 and is currently interning as a Teaching Volunteer at U&I organization.

- **Ajay Kachchela** of third year division A interned as a Web Developer at Spark's Foundation for one month from 1st July, 2021 and is currently interning as an App Developer at Ganit app in collaboration with COEP from 1st August, 2021.
- **Akhil Ghanekar** of third year division A interned as a Data Science and Business Analyst at the Spark's Foundation for one month from 1st July, 2021.
- **Shalaka Sanjay Waghamale** of third year division A is currently interning as a Python Developer at VESIT Renaissance Cell from 25th June, 2021 and is currently interning as a Data Analyst at Spark's Foundation from 15th October, 2021.
- **Mugdha Sholapure** of third year division A interned as a Django Developer at Trivia's Software Company for four months from 15th July, 2021.
- **Chinmay Korgaonkar** of third year division A interned as a Web Developer at IntelliMedia Network for one month from 6th July, 2021.
- **Sakshi Gattani** of third year division A interned as a Web Developer at VESIT Renaissance Cell for 6 weeks from 15th June, 2021.
- **Sakshi Kharche** of third year division A interned as an App Developer at VESIT CMS for two months from 31st October, 2021.
- **Aditi Singh**, **Kanaiya Kanabar** and **Saurabh Borawake** of third year division A interned as an App Developer at Project Swechcha for one and a half months from 15th June, 2021.

## Workshops Attended

- **Anandkumar Yadav** of third year division A attended a workshop conducted by Google Developer's Student Club AIKTC on Design to develop.
- **Swarali Patil** of third year division A attended an Entrepreneurship bootcamp conducted by IEEE Bombay Section.
- **Anusha Shetty** and **Shilpa Tholar** of third year division A attended a workshop conducted by CSI VESIT on Node.js
- **Ajay Kachchela** and **Sony Hotchandani** of third year division A attended a workshop conducted by Shape AI on React.js Web Development.
- **Rohan Prakash** Mane of third year division A attended a workshop conducted by QuestIT Cell on Firebase.
- **Anusha Shetty** and **Shilpa Tholar** of third year division A attended a workshop conducted by CSI VESIT on GIT.
- **Rahul Nailwal**, **Swarali Patil**, **Kanaiya Kanabar** and **Sakshi Kharche** of third year division A attended a workshop conducted by VESIT IIC on IPR & Patenting and How to file a copyright.
- **Shilpa Tholar** of third year division A attended a workshop conducted by CSI VESIT on Bootstrap.
- **Aditi Khandagale** of third year division A attended a workshop conducted by CSI VESIT on Java Development.
- **V Krishna Subramaniam**, **Jisha Anna Philip** and **Shalaka Waghamale** of third year division A attended a workshop conducted by ISTE VESIT on Rest API Development.

## Courses Attended

- **Sreekesh Iyer** of third year division A successfully completed a course in Modern HTML and CSS from Udemy.
- **Khan Riyaz Ahmad Ishraque Ali** successfully completed a course in Web Developer's bootcamp from Udemy.
- **Himanshu Mishra** of third year division A successfully completed a course in HTML CSS and Javascript from Coursera.

- **Nidhi Bangera** of third year division A successfully completed a course in Data Science Foundation from Great Learning Academy.
- **Swarali Patil** of third year division A successfully completed Enhancing Soft Skills and Personality course from VESIT-NPTEL and Create a Website Using Wordpress : Free Hosting & Sub- domain from Cousera
- **Ajay Kachchela** of third year division A successfully completed a course in DevOps Fundamentals from Udemy.
- **Mugdha Sholapure** of third year division A successfully completed a course in Django Framework and Rest API Development from kamal Classes.
- **Sakshi Gattani** of third year division A successfully completed the courses AI Aware and AI Appreciate from Digital India Initiative.

# D15B

**Technical Events**
- **Jatin Gogia** of third year division B secured 2nd position at Code Knights organized by the Computer Society of India - VESIT.

**Non Technical Events**
- **Kristy Makhija** of third year division B secured 1st place at the Mono Drama organized by the Cultural council of VESIT.

# Internships

- **Omkar Pawar**, **Ashish Shingade**, **Bhavya Hingorani**, **Prathmesh Kesarkar**, **Deepak Ahuja**, **Sreekesh Iyer** and **Sakshi Kharche** of third year division B interned as an app developer at Project Swechcha for one and a half months from 15th June, 2021.
- **Aarushi Sharma**, **Raghuttam Parvatikar** and **Nidhi Jain** of third year division B interned as the Algorithm Developer for Ganit Lab at VRC and as a Business Analyst with The Sparks Foundation.
- **Vinay Bhagtani** of third year division B interned as Web Developer at The Sparks Foundation.
- **Shubham Rawool** of third year division B interned as Python and Django Web Developer with Trivia software's.
- **Teena Lalwani**, **Khushi Hotwani**, **Mansi Rangwani** of third year division B interned as Web Developer at The Sparks Foundation.
- **Kristy Makhija** of third year division B interned with Mad Infotech as a part of their Backend Development team across the period of June-July in 2021.
- **Aastha Bohra** of third year division B successfully completed an internship in SDH NOC and MPLS NOC at RailTel Corporation.

# Workshops Attended

- **Aastha Bohra** of third year division B attended the Creative Writing workshop organized by St. Xavier's College.
- **Omkar Dnyaneshwar Pawar** of third year division B attended the JavaScript Workshop organized by LinuxWorld.
- **Saket Vijay Pagrut** of third year division B attended the IPR and Patenting workshop organized by VESIT.
- **Omkar Dnyaneshwar Pawar** of third year division B attended the Django workshop organized by the CSI, VESIT.

# Courses Attended

- **Shubham Rawool** of third year division B has successfully completed courses in MYSQL 8.x with PL/SQL Database Programming, MYSQL 8.x with PL/SQL Database Programming and Python with Data Science powered by Kamal Classes.
- **Omkar Dnyaneshwar Pawar** of third year division B successfully completed the courses Flutter tutorial by Udemy, BootStrap 5 Course : The Complete Guide (Step By Step) by Udemy.
- **Aastha Bohra** of third year division B successfully completed the Writing and Editing: Word Choice and Word Order course powered by Coursera.
- **Teena Lalwani** and **Khushi Hotwani** of third year division B successfully completed the course Work Smarter Not Harder organized by VESIT.

# D10A

**Technical Events**
- **Suleman Mathekar** and **Gaurang Desai** of second year secured 2nd position in Elucimate organised by ISA-VESIT, secured 3rd position in Awakening the Scientist organised by VESIT and participated in Project SAKSHAM organised by SoRT-VESIT.

**Non Technical Events**
- **Samiksha Wadibhasme** of second year secured 1st position in Portrait making at UTSAV 21 organised by the Cultural council, VESIT.
- **Samartha Rayguru** of second year secured 1st position in the SOS event organized by SoRT VESIT.
- **Samartha Rayguru** of second year secured first position in Music Video Making Competition in UTSAV 21 organized by Cultural Council, VESIT.
- **Gaurang Desai** of second year secured 1st position in Music Video Making Competition in UTSAV 21 organized by Cultural Council, VESIT.
- **Bhavya Kurup** of second year secured 2nd position in a Group Dance competition organized by the Cultural Council, VESIT.
- **Janhavi Deshpande** of second year secured 2nd position in the Dance event at Prarambh organised by the Cultural Council, VESIT.
- **Gaurang Desai** of second year secured 3rd position in Spoof It Competition in Prarambh 21 organized by Cultural Council, VESIT.
- **Gaurang Desai** of second year secured 3rd position in the Fashion event at Allure organized by the Cultural Council, VESIT.
- **Samartha Rayguru** of second year secured 3rd position in the Fashion event at Allure organized by the Cultural Council, VESIT..
- **Gaurang Desai** Won best class in Prarambh and won runner-up best class in Utsav as the Cultural Incharge of the class.
- **Manav Tanna** of second year played drums in UTSAV 21 organized by Cultural VESIT and also in Octaves organized by Music Council, VESIT.

# Internships

- **Manav Tanna**, **Suleman Mathekar** and **Upendra Falak** of second year had successfully completed an internship at Data Analytics and Visualization at Takenmind Technologies.
- **Suleman Mathekar** of second year had successfully completed an internship in Developing English Proficiency by weCHANGE organisation.
- **Upendra Falak**, **Atharva Bhoite** and **Divisha Gupta** of second year had successfully completed an internship in App Development at Exposys Data Labs.
- **Samartha Rayguru** of second year had successfully completed an internship Web Development at IEEE committee of KJSIEIT.

# Workshops Attended

- **Samartha Rayguru** of second year had attended a workshop on Web Development organised by Shape AI.
- **Samartha Rayguru** of second year had attended a workshop on Web Development organised by Google Developers Group (GDG),Ranchi.
- **Amogh Pujari** of second year had attended a workshop on Tkinter Desktop Application using Python organized by ISA-VESIT.
- **Amogh Pujari** of second year had attended a workshop named Hackoctober open source organised by CodeCell-VESIT.
- **Manav Jawrani** of second year attended a workshop on DSA organised by VESIT.
- **Manav Tanna** of second year attended a workshop of Web Development With Firebase organized by QuestIT Cell.
- **Janhavi Deshpande** of second year  attended a workshop on GRAPHUP WITH CHART.JS organised by ISA-VESIT.
- **Upendra Falak** of second year attended a workshop on GRAPHUP WITH CHART.JS organised by ISA-VESIT.
- **Upendra Falak** of second year had attended a workshop on Tkinter desktop application using python organized by ISA-VESIT.
- **Abhishek Patil** of second year had attended a workshop on Github & Docker website organised by CSI, VESIT.
- **Atharva Bhoite** of second year had attended a workshop on Java Programming organised by CSI, VESIT.
- **Khushi Mahamunkar** of second year  attended a workshop on E-COMMERCE USING SHOPIFY organised by ISTE-VESIT.
- **Khushi Mahamunkar** of second year had attended a workshop on GRAPHUP WITH CHART.JS organised by ISA-VESIT.

# Courses Attended

- **Manav Jawrani** of second year completed a course in Android Application Development by Great Learning Academy.
- **Samiksha Wadibhasme** of second year completed  a course in Programming Java by Swayam NPTEL.
- **Samiksha Wadibhasme** of second year Completed a course in Foundations of User Experience (UX) Design by Coursera.
- **Manav Tanna** of second year completed a course in Python Data Analysis & Visualization by Udemy.
- **Sarvesh Patil** of second year completed Course in C++ and Java Programming by Udemy.
- **Suleman Mathekar** of second year completed Course in Developing a Company Website using Wix (Live project) by Coursera.
- **Suleman Mathekar** of second year completed Course in Designing Facebook/ IG posts using Canva (Live guided project) by Coursera.
- **Suleman Mathekar** of second year completed Course in Python Data Analysis and Visualization bootcamp by Udemy.
- **Janhavi Deshpande** of second year completed a course in Python Data Analysis & Visualization by Udemy.
- **Bhavya Kurup** of second year completed a course of Introduction to HTML5 by Coursera.
- **Bhavya Kurup** of second year completed a course in Artificial Intelligence with Machine Learning by Oracle Academy.
- **Bhavya Kurup** of second year completed a course in Database Foundations by Oracle Academy.

- **Abhishek Patil** of second year completed a course in Problem Solving with Java by Coursera.
- **Abhishek Patil** of second year completed a course in Java Programming by Oracle Academy.
- **Divisha Gupta** of second year completed  a course in Programming Java by Swayam NPTEL.
- **Atharva Bhoite** of second year completed  a course in Programming Java by Swayam NPTEL.
- **Atharva Bhoite** of second year completed  a course in Core Java by Anubhav Computer Institute.
- **Khushi Mahamunkar** of second year had completed a course in Introduction to C++ by Udemy.
- **Khushi Mahamunkar** of second year had completed a course Git & Github by Udemy.
- **Upendra Falak** of second year had completed a course in Python Basic and  Python Advanced by MuCertification.

# D10B

# Workshops Attended

- **Sanskruti Punyarthi** of second year attended the Photography workshop organized by PhotoCircle, VESIT. In addition, she also attended the DSA (Applications) Workshop organized by VESIT.
- **Riddhi Mehta** of second year attended the workshop, The GSoC Talk organized by VESIT.

# Cources Attended

- **Bharat Kotwani** of second year successfully completed the course on  Fundamentals of Deep Learning organized by NVIDIA and The Complete Web Developer course by Udemy.
- **Mikil Lalwani** of second year has successfully completed the course on Introduction to programming using Python organized by Inmovidu and Ordered Data structure organized by University of Illinois.
- **Nandana Nair** of second year successfully completed the course on Introduction to Structured Query Language (SQL) from UNIVERSITY OF MICHIGAN.
- **Riddhi Mehta** of second year has successfully completed the course Java Programming: Solving Problems organized by Duke University and Software and SQL (Basic) organized by HackerRank.
- **Mayuri Yerande** of second year has successfully completed the courses, Introduction to Python powered by Microsoft, Python for everybody, organized by University of Michigan and Programming in Java organized by NPTEL (Swayam).
- **Rohit Yadav** of second year has successfully completed the course Basic Web Development organized by SHAPEAI.

# ITians at Council

- **Fayzaan Qureshi** of final year is the Chairperson at CSI-VESIT
- **Pooja Prasad** of final year is part of Executive Committee at CSI-VESIT
- **Shreyas Khadapkar** of final year is the Chief Executive Officer at ISTE-VESIT.
- **Shubra Jena** of final year is the Sr. Operations Officer at ISTE-VESIT
- **Srajan Shetty**, **Aditya Kotkar** , **Akash Mourya** and **Devdatta Khoche**  of final year are the Sr. Technical Officers at ISTE-VESIT
- **Kritik Taktewala** and **Hemkesh Raina** of final year are the Sr. Graphics Officers at ISTE-VESIT.
- **Aditya Kotkar** and **Rohit Kundnani** of final year are part of the Technical Team at QuestIT cell.
- **Devdatta Khoche** of final year is the Secretary at QuesIT cell.
- **Pooja Prasad** and **Fayzaan Qureshi** of final year are the Publicity Heads at QuestIT cell.
- **Isha Gawade** and **Jisha Philip** are senior members of the EBSB VESIT.
- **Manav Jawrani** and **Suleman Mathekar** are junior members of the EBSB VESIT.
- **Atharva Bhoite, Divisha Gupta**, **Gaurang Desai** and **Janhavi Patil** of second year are Junior Reports for VESIT Connect.

# Placements

Statistics of Placement (till December)
Total No.of students in final year - **75**
- Student interested in campus placement - **72**
- Total placed - **56**
- Student got two job offers- **13**
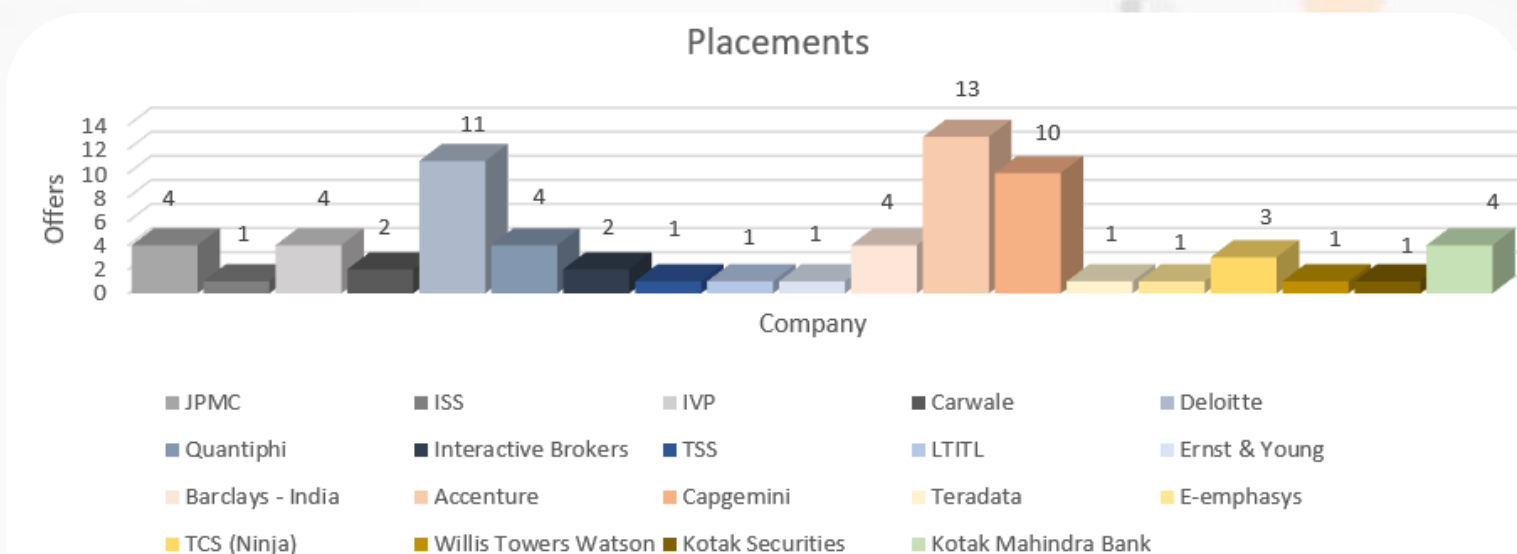


# Departmental Rankers

## First Rankers - SEM 8 - CGPA: 10

| | | |
|---|---|---|
| Jai Mulani<br>Hitesh Ochani<br>Vedant Sonje<br>Nikita Makhija<br>Kartik Chindarkar<br>Aakash Barhate<br>Himanshu Pingulkar<br>Anshul Chaudhary | Ninad Wadode<br>Jatin Acharya<br>Mitali /Ranawat<br>Nihar Abhyankar<br>Rahul Kanwal<br>Shivani Patil<br>Sanket Mahale | Shubham Kelkar<br>Saily Natekar<br>Parth Kodnani<br>Tejas Shinde<br>Jay Bendre<br>Harshita Singh<br>Vignesh Pillai<br>Ayesha Gulrajani |

## Rankers - SEM 8

| Second Rankers (CGPA: 9.96) | Third Rankers (CGPA: 9.93) |
|---|---|
| PRITHVI AMIN<br>SHUBHAM DAREKAR<br>SAYALI MOGHE<br>NARAYANI PATIL<br>SPARSH PRABHAKAR<br>ANISH CHHABRIA<br>PARIKSHIT THATTE | ATHARVA POTDAR<br>HRISHIKESH DESHPANDE<br>NIKHIL GAIKWAD<br>YASH GURNANI<br>JEETU GWALANI<br>AAKANKSHA KAPURE<br>HEENA LULLA<br>DEV PUNJABI<br>BHAGYASHREE THANWANI<br>SUMEDH GHAVAT<br>RICHA CHAINANI |

## Rankers - SEM 6

| First Rankers (CGPA 10) | Second Rankers (CGPA: 9.85) | | THIRD RANKERS (CGPA: 9.81) |
|---|---|---|---|
| SHUBHRA JENA<br>MOHIT KALE<br>ANUSHREE REGE<br>AKASH MAURYA | ANURAG DASH<br>SAKSHI JETLEY<br>SHLESHA ODHEKAR<br>POOJA PRASAD | AARYAN RAINA<br>HEMKESH RAINA<br>MEGHA SHAHRI | FAYZAAN QURESHI<br>MANJU PARYANI<br>SRAJAN SHETTY |

## Rankers - SEM 4

| First Rankers (CGPA 10) | Second Rankers (CGPA 9.96) | Third Rankers (CGPA 9.91) |
|---|---|---|
| ANSARI AAMIR ZULFIQUAR<br>BHARDWAJ SANJANA SUNIL<br>IYER SREEKESH SUBRAMANIAN<br>JISHA ANNA PHILIP<br>KANABAR KANAIYA GIRADHARLAL<br>KARALKAR ROHIT VIVEK<br>KHANDAGALE ADITI SHIVAJI<br>KHARCHE SAKSHI MILIND<br>PATIL SWARALI SANDESH<br>PRASANNA SRIDHARAN<br>RAO NINAD SHIVANAND<br>V KRISHNAN SUBRAMANIAM<br>WAGHAMALE SHALAKA SANJAY | WALAVALKAR SUCHINDRA | KATKE SHUBHAM SURESH |

## Rankers - SEM4

| First Rankers (CGPA 10) | Second Rankers (CGPA 9.96) | Third Rankers (CGPA 9.87) |
|---|---|---|
| ABHISHEK  CHARY<br>ADARSH  KADAM<br>KANSARA  KRISHNA<br>AARYAN  MEHTA<br>SURAJ  MOOLYA<br>SAKET  PAGRUT<br>SHUBHAM  RAWOOL<br>SANJANA  PRAKASH<br>SOHAM  SHIMPI<br>SHIVAM  SINGH<br>SURENDRA  TOTRE<br>HANISH  VALECHA<br>PRATIK  VARTAK | PRANAV  AWHAD<br>KUSHAL  ISRANI<br>MANSI  RANGWANI | KETAN  BHALERAO<br>JAIN  NIDHI<br>NUPUR  JESWANI<br>PRATHMESH  KESARKAR<br>KUNAL  KHANDELWAL<br>TEENA  LALWANI<br>PRANAV  PADAWE<br>ATHARV  PARAB<br>RAGHUTTAM  PARVATIKAR<br>ATHARVA  SAWANT<br>SHAIKH MOHAMMED AAFTAB SAGIR<br>AARUSHI  SHARMA<br>ANURAG  THAKUR<br>CHINMAY  THAKUR |

# Teachers' Corner

## Achievements

- **Asma Parveen I. Siddavatam** won 4th Prize with cash prize of Rs.20,00,000 lacs INR at the Swadeshi Microprocessor Challenge 2020, organized by the Ministry of Electronics and Information Technology in collaboration with CDAC, IIT Madras, IIT Bombay and Makervillage. She and her team developed the Calibration System for Nuclear Spectroscopy Applications. Project which qualified in the list of selected 100 projects out of 6000+ projects. In the first level of elimination round, the project was awarded with a cash prize of Rs 1,00,000 and FPGA Board for MVP/POC development along with free access to Swadeshi Processor Ecosystem. Earlier, as a selection in the semi-finalist received a cash prize of Rs. 4,00,000 lacs. At the grand finale she won 4th prize with Grand prize of Rs.20,00,000 lacs INR. Her team was one of the 30 finalists (19 were start-ups and 11 were from educational institutions).

## Courses Organized

- **Asha Bharambe** organized a Workshop and a Hands-on on "IPR and Patenting" and Session "How to file Copyright" on 28th August 2021, organized by VESIT.
- **Asha Bharambe** organized a Quiz on Current Affairs - Celebrarting 75 years of Independence "Azadi ka Amrut Mahostav" on 8th September 2021 for the students of the Department
- **Jayashree Hajgude** was a part of the organizing team for AICTE Sponsored Online STTP Phase 2 on Blockchain Platforms and Application from 12th July to 16th August and 17th July to 21st August 2021 respectively, organized by VESIT.
- **Vidya Pujari** was a part of the organizing team and conducted AICTE Sponsored Online STTP Phase 3 and 4 on Blockchain Platforms and Application from 12th July to 16th August and 17th July to 21st August 2021 respectively, organized by VESIT.
- **Sukanya Roychowdhury** was a part of the course organizing committee for ATAL FDP ON Electrical Vehicles from 5th July to 9 July 2021.
- **Sukanya Roychowdhury** was a part of the organizing team and conducted AICTE Sponsored Online STTP Phase 3 and 4 on Blockchain Platforms and Application from 12th July to 16th August and 17th July to 21st August 2021 respectively, organized by VESIT.
- **Kajal Jewani** conducted an Expert Lecture on "Real Time Applications of Data Structures" for Second Year IT students from VESIT and Xavier Institute of Engineering on 4th December 2021, organized by XIE Mahim.
- **Kajal Jewani** conducted a UHV Workshop on "Understanding Human Being " for all teaching faculties on 18th September 2021, organized by VESIT UHV Cell.
- **Kajal Jewani** conducted a UHV Workshop on "Understanding Human Aspirations" for all teaching faculties on 25th September 2021, organized by VESIT UHV Cell.

## Courses Attended
## Events / FDP/ STTP / Workshops Attended

- **Asha Bharambe** attended a course on "Inculcating Universal Human Values in Technical Education" from 2nd August to 6th August 2021, organized by AICTE
- **Asha Bharambe** attended a course on "CYBER SECURITY (Elementary Level)" from 7th June to 11th June 2021, organized by ANAND INSTITUTE OF HIGHER TECHNOLOGY.
- **Asha Bharambe** attended a course on "Augmented Reality & Virtual Reality" from 21st June to 25th June 2021, organized by Birla Vishvakarma Mahavidyalaya Engineering College.

- **Asha Bharambe**  attended a course on "Innovation Ambassador training" (Foundation Level) from 30th June to 30th July 2021, organized by the Ministry of Education's Innovation Cell and AICTE.
- **Asha Bharambe** attended an orientation on "DevOps and Advanced DevOps" on 6th July 2021, organized by TSEC, Bandra.
- **Jayashree Hajgude** and **Vidya Pujari** attended a week's training on "Natural Language Processing with Google AI and Dialogflow and Its Applications" from 21st June to 26th June 2021, organised by Usha Mittal Institute of Technology, SNDTWU, Mumbai.
- **Pooja Shetty** attended an orientation session on "Internet Programming: A Full Stack Approach" from 14th June to 25th June 2021, organized by Vidyavardhini's College of Engineering & Technology, Vasai Road, Palghar.
- **Pooja Shetty** attended four V-Reach AN Alumni Engagement Initiative talks  "Booting up Adventures in Entrepreneurship" on 6th August 2021, "Paradigm Shift: Bond Markets and Introduction to AI in Bond Pricing" on 25th August 2021 organized by VESIT-IQAC and VESIT-IIC.
- **Pooja Shetty** attended a Faculty Orientation Program  on "Internet Programming" on  21st June 2021, organized by Vidyavardhini's College of Engineering & Technology, Vasai Road, Palghar.
- **Kajal Jewani** attended a STTP  "IEEE Entrepreneurship Bootcamp 2021" from 5th to  10th July 2021, organized by IEEE Bombay Section.
- **Kajal Jewani** attended a research forum talk "Research Area and Funding Prospects for Academic Institutions" on 4th August 2021, organized by VESIT-IQAC and VESIT-IIC.
- **Kajal Jewani** attended four V-Reach AN Alumni Engagement Initiative talks  "Booting up Adventures in Entrepreneurship" on 6th August 2021, "Paradigm Shift: Bond Markets and Introduction to AI in Bond Pricing" on  25th August 2021Breaking the Glass Ceiling:Placements Beyond Campus" on 2nd August 2021 and "Cloud Computing using Microservice Architecture" on 5th August 2021, organized by VESIT-IQAC and VESIT-IIC.
- **Kajal Jewani** attended a workshop "Design The Thinking - Preparing the Entrepreneurship Mindset" on 31st July 2021, organized by VESIT-IQAC and VESIT-IIC.
- **Kajal Jewani** attended a course on "How to Conduct SIP Program" on 20th September 2021, organized by AICTE.
- **Kajal Jewani** attended an online workshop on "Mendeley Reference Manager" on 29th September 2021, organized by VESIT.
- **Kajal Jewani**  attended a session on Exploring Patenting through Research conducted by Research Forum on 30th July 2021, organized by VESIT-IQAC and VESIT-IIC.
- **Kajal Jewani**  attended a session on "Pitch Like a Pro" conducted by Research Forum on 7th August 2021, organized by VESIT-IQAC and VESIT-IIC.
- **Kajal Jewani** attended an orientation program on "TE-IT Sem V Entrepreneurship and E-Business" on 5th July 2021, organized by Vidyalankar Institute of Technology.
- **Kajal Jewani** attended an orientation program on "TE-IT Sem V Mini Project -2A Web based Business Model" on 7th July 2021, organized by Rajiv Gandhi Institute of technology.

# Publications / Conferences

- **Dr Shalu Chopra**, "Lecture Notes on Data Engineering and Communication Technologies" for Size Invariant Ship Detection Using SAR Images at IEM-ICDC 2020, ISBN 978-981-33-4967-4, 2021.
- **Dr Shalu Chopra**, "Studentchain: Digitizing and Authenticating Student Portfolios using Decentralization", International Journal of Creative Research Thoughts (IJCRT), 2320-2882, April 2021.
- **Smita Jangale**, "ANALYSIS OF DEEP LEARNING TECHNIQUES FOR RUMOR DETECTION", Pensee International Journal, 0031-4773, 2021.
- **Smita Jangale**, "Detecting Malware Malicious URLs and Virus using Machine Learning and Signature Mapping", 2nd INCET 2021, 21st to 23rd May 2021.

- **Dr. Shanta Sondur,** "HealthyHeart: ML based Analysis and Prediction of Cardiovascular Diseases", International Journal of Creative Research Thoughts (IJCRT), 2320-2882, April 2021.
- **Asha Bharambe**, "VR PHOTOGRAPHY EMBEDDED MAP WITH GRID BASED INDOOR POSITIONING", 2nd International Conference for Emerging in Technology - 2nd INCET 2021, 21st May – 23rd May 2021.
- **Asha. Bharambe**, "A Deep Learning Approach for Dengue Tweet Classification ", 2021 Third International Conference on Inventive Research in Computing Applications (ICIRCA), pp. 1043-1047, September 2021.
- **Asma Parveen I. Siddavatam**, Series Title :Springer's Lecture Notes in Electrical Engineering Book Title :Advances in Electrical and Computer Technologies for "A Novel method to improve the resolution of FLASH ADC for High-Resolution and High-Speed Applications" at Third International Conference on Advances in Electrical and Computer Technologies 2021 (ICAECT 2021), 29th-30th october 2021.
- **Asma Parveen I. Siddavatam**,"Infrastructure Management and Prediction during Covid-19 Pandemic", International Journal of All Research Education and Scientific Methods (IJARESM), Volume 9, Issue 5, ISSN: 2455-6211, May 2021.
- **Jayashree Hajgude**, "DeepSight : Land   Use and Land Cover Classification Using Satellite Images", IEEE 2nd INCET 2021 IEEE 2nd International Conference of Emerging Technologies 2021(2nd INCET 2021) , Belgaum Karnataka India, 21st May – 23rd May 2021.
- **Jayshree Hajgude**,"Agro Basket App: Prediction System Using Data Mining", International Journal of All Research Education and Scientific Methods (IJARESM), Volume 9, ISSN: 2455-6211, May -2021.
- **Vidya Pujari,** "Mentoring Epidemic outbreaks using social media data", IEEE 2nd International Conference of Emerging Technologies 2021(2nd INCET 2021), Belgaum, Karnataka, India, 21st - 23rd May 2021.
- **Vidya Pujari** on Intelligent Media Player for IRJET, Volume 8, issue 5, ISSN:2395-0072 in May 2021.
- **Vinita Mishra**, "Real-Time Vehicle Detection and Safety Alarm System", International Research Journal of Engineering and Technology (IRJET), 2395-0056, April 2021.
- **Vinita Mishra**, "Fake News Detection" International Research Journal of Engineering and Technology (IRJET)", 2395-0056, April 2021.
- **Amit Singh**," Personalized Health News Recommendation Based on User Interests", International Research Journal of Engineering and Technology (IRJET), 2395-0056, May 2021.
- **Pooja Shetty**,"Diet Recommendation System for Diabetic Patients", International Journal of Engineering Research and Applications (IJERA) with ISSN 2248-9622 in 2021.
- **Pooja Shetty**," Hate Speech Detection in Social Media Platforms", International Journal of All Research Education & Scientific Methods with ISSN 2455-6211 in 2021.
- **Sandeep Utala**, "Tryola, An OpenCV Based Solution for apparel and frames trail", AICTE Sponsored International E-Conference on Advances in Information Technology and Research, ICAITR 2021 Organized by vidyalankar Institute of Technology Wadala,Mumbai, May 31-june 1 , 2021
- **Sukanya Roychowdhury**, "Forest Fire Prediction using LSTM networks", IEEE 2nd International Conference of Emerging Technologies 2021(2nd INCET 2021), Belgaum Karnataka, India, IEEE 2nd INCET 2021, organized by IEEE, 21-23 May 2021.
- **Sukanya Roychowdhury**,"Personalised Music Recommendation System", International Journal of All Research Education and Scientific Methods (IJARESM), May 2021, Volume 9, Issue 5, ISSN: 2455-6211, May 2021.
- **Kajal Jewani**, "Weather, Pollution Prediction and Ozone Level Detection Using ML", Journal of Emerging Technologies and Innovative Research, October-2021 | Volume: 8 | Issue: 10.
- **Kajal Jewani,** "SMART VOTING SYSTEM USING RETINAL IMAGE DETECTION", Journal of Emerging Technologies and Innovative Research, October-2021 | Volume: 8 | Issue: 10.

# *Alumni Voice*

## Aniruddh Joshi

As a VESIT alumni from the course of Information Technology, let me start with "Nonlinear Dynamics". About a year and half ago, one tiny misbehavior in one part of the world stirred the entire population into a pandemic situation. Such a phenomenon in the Chaos Theory is called the "Butterfly Effect", i.e. sensitive dependence on initial conditions in which a small change in one state of a deterministic nonlinear system can result in large disagreement in a later state.

**Aniruddh Joshi (1999-2003)**
CEO, Atreya Innovations Pvt. Ltd

The same also happens in our body, where a minor issue like indigestion, hormonal issue, anger, lack of sleep, etc. can result in a hazardous non-communicable disorder such as diabetes, hypertension, cancer, etc. It is very important to know these issues way before time to take personalized corrective actions. In the current pandemic period, we have realized the power and need of natural, preventive, and holistic ways to increase immunity. Now it's time we adapt ourselves to our surroundings and use holistic yet AI-based technological inventions for the betterment of life -- when lifestyle diseases and wellness concerns are skyrocketing.

Ayurveda, the 5000-year-old Indian science of life, provides personalized health solutions by understanding the imbalance between Prakruti (body type) and Vikruti (today's condition). The Nadi Pariksha (pulse examination) technique allows experts to reach to the root cause of health issues and address underlying symptoms. It can accurately diagnose physical, mental and emotional imbalances as well as diseases. Further, Ayurvedic techniques reform, strengthen and synchronize connection between nature and human beings. In this age, to take these solutions to millions across the world, it is important to present Ayurveda in today's language of numbers, graphs, gadgets, reports, etc.

In VESIT, my thesis was on the analysis of ECG signals. I worked further on it during my PhD at IIT Bombay on the Ayurvedic pulse signals. Based on that, I built world's first pulse (nadi)-based monitor "Turyaa Wellness". It is a revolutionary, innovative, home-based device that records and monitors the health of your entire family by combining the three disciplines of Ayurveda, Nutrition Science and Data Science. Considering your nature, daily health complaints, place of residence and weather, Turyaa will accordingly guide and plan your day with proper diet, exercise, yoga, sleep and water recommendations.

A unique indigenous technology, its application will make the country 'Atma Nirbhar' in healthcare. It was given the IT Excellence Award by the Ministry of AYUSH in 2018. A couple of months back, we received prestigious DSIR recognition for our in-hour R&D unit. Through the data-based research, for the first time, we showed data-based evidence that the Ayurvedic gunas (10 in our case, 20 in total) show seasonal patterns with respect to Prakruti. We specifically showed that the Jatharagni parameter (responsible for the digestive fire) has higher values in the Shukla paksha (first half of the lunar cycle) as compared to the Krishna paksha; further, it goes down on both the Ekadashis and so on. This clearly states why Indians since ancient times have followed a fasting routine. Through data, we showed how the nadi bala parameter (physical strength) increases with Surya Namaskar. We also showed how the nadi changes when specific vata or pitta or kapha provoking food is consumed for a number of days, and all the above observations are in accordance with references from the ancient texts.

Finally, I would like to say -- What grows from within, should be known from within and also be treated from within. We all are going through a difficult time due to the pandemic and we should understand that it will get more and more difficult moving ahead. So, it is essential that we, our entire family, our society, our country and the globe should be physically, mentally and emotionally strong and healthy. Yoga has been one of the finest gifts of India to the world and Ayurveda is going to be the next. My vision is to improve peoples' lives using the world's best personal, predictive, portable and non-invasive health monitoring system. The best time for technology or digitization in Ayurveda is now. Fitness is okay, wellbeing is next.

# Shobit Sinha

Its been almost 8 years since I left VESIT, but all the memories are still fresh in my mind. Those 4 years were one of the best time I have experienced, right from learning new things, have professional attitude to having lot of fun events in the college. The teachers were always helpful in clearing doubts and encouraging in learning new things. I still remember my placement year where in Nagananda Sir had guided everyone with his sessions on how to handle pressure and what kind of attitude a student should have during the interviews. Being part of the placement coordinators committee, I remember on how hard teachers and we use to work to make sure we have high placement percentage and we did achieve that in our year. .

**Shobit Sinha (2010-14)**
Consultant Specialist
HSBC Software Development Pvt

VESIT was able to attract dream companies and we got a chance to get placed in one of those. It was an amazing journey and its hard to write my four years in few words but it gives me goosebumps whenever I remember those

# *Editorial Team*

**Faculty Incharges:**
Mrs. Vinita Mishra
Mrs. Pooja Shetty

**Data Acquisition and Processing Team:**
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