



Anantha

The Power of Infinite Intelligence

Newsletter - Department of Master of Computer Applications

MESSAGE FROM DEPARTMENT

ISSUE: 15

JANUARY 2023 - MAY, 2023

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Editorial Board

- Dr. Meenakshi Garg
- Prof. Sunny Nahar
- Shreya Walavalkar (MCA 1A)
- Aditya Raj Sinha (MCA 1A)
- Ritika Dobhal (MCA 1A)
- Mrudula Deshpande (MCA 1A)
- Anup Ojha (MCA 1B)

[VESIT MCA site](#)

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Check out our YouTube channel and send in videos for the same:

bit.do/tubeanantha



Scan and help us make this experience better for you!

“Science, education, research and innovation are the four pillars on which the development as well as the work culture of a nation rests.”

~Pranab Mukherjee



Dr. Meenakshi Garg

In the ever-evolving world of technology and innovation, research is the compass that guides us forward. At VESIT, we believe that research is not just a part of our academic journey; it's a cornerstone of personal and professional growth.

Research has the power to spark curiosity, drive innovation, and solve real-world challenges. It offers the opportunity to explore uncharted territories, make ground breaking discoveries, and contribute to the advancement of knowledge.

Our institution is dedicated to inspiring and nurturing research passion. We provide state-of-the-art facilities, mentorship from esteemed faculty, and access to cutting-edge resources.

At VESIT, we encourage you to explore your interests and find research topics that resonate with your aspirations.

Remember that research is not just about finding answers; it's about asking the right questions. So, let your curiosity soar, and let your research journey begin!

We look forward to supporting you as you discover, innovate, and contribute to the exciting world of research.

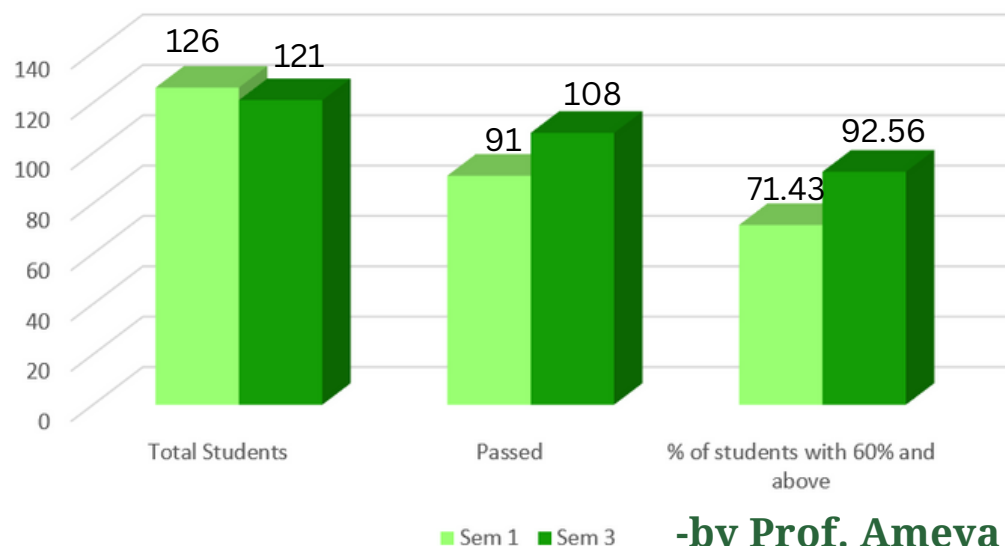
Vision of the Department

- Towards leading the way in area of Computer Application to train and nurture the Students to become successful Technocrats thus benefiting the Society and Nation.

Mission of the Department

- To provide opportunities to Students so that they understand the Theoretical Principles and apply them.
- To enable the Students to continually master the evolving Tools, Techniques, Trends in Technology and Management and effectively put them in practice in a cost effective manner.

Academic Excellence



-by Prof. Ameya Parkar



"Leadership is the capacity to translate vision into reality."





Placement

VESIT has a policy of more than one job offer for a particular student. The total job offer refers to the count of the number of offers received by students. Placed refers to the actual how many students got placed counting one job per student.

Placement VS Placed



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 -Department of Master of Computer Applications



General Mills



-by Prof. Indira Bhattachariya



"Believe in yourself and in your team. If you don't then who will?"





Student Endeavour

Achievements

- Ashish Ahire, a student in FY MCA A1, obtained a certification in **Database Management from NPTEL**, which required 8 weeks of study. He achieved this certification on March 26, 2023, in Mumbai. He also earned a **National Intellectual Property Award** on March 21, 2023, from IP India Gov. Additionally, Ashish completed a 12-day **Energy Literacy Training program** from Energy Swaraj Foundation on April 25, 2023, in Mumbai.
- Ankita Badhe, also in FY MCA A1, received a **National Intellectual Property Award** on March 21, 2023. She further completed a 12-day **Energy Literacy Training program** on April 25, 2023, both in Mumbai. Ankita rounded out her certifications with a **Kubernetes Container Orchestration Platform Certification** on April 8, 2023, organized by the Research Forum of VESIT.
- Saksham Batta, in FY MCA A1, achieved a **National Intellectual Property Award** on March 21, 2023, in Mumbai. He also completed a 12-day **Energy Literacy Training program** from Energy Swaraj Foundation on April 25, 2023. Saksham complemented his certifications with a **Kubernetes Container Orchestration Platform Certification** on April 8, 2023, organized by the Research Forum of VESIT.
- Chayan Maity, a student in FY MCA A1, obtained a National Intellectual Property Award on March 21, 2023, in Mumbai. He also successfully completed a **12-day Energy Literacy Training program** from Energy Swaraj Foundation on April 25, 2023. Chayan added to his achievements with a **Kubernetes Container Orchestration Platform Certification** on April 8, 2023, organized by the Research Forum of VESIT.
- In the first entry, Rohan Narayan Rathod, a student in FY MCA-A division, participated in a **Hackathon titled "Syrus Hackathon,"** which lasted for 2 days and took place on March 10, 2023, at VESIT Library, Mumbai. This event was organized by CodeCell, VESIT. During the Hackathon, Rohan achieved the development of a Job portal tailored for migrant workers, demonstrating his proficiency in various technologies and problem-solving skills.

Oracle Academy Certification 2022-2023:

- Oracle Academy advances computer science education globally to drive knowledge, innovation, skills development, and diversity in technology fields. Oracle Academy collaborates with organizations in nearly 100 countries to support thousands of educational institutions and millions of students each year.
- Around the world, OA works in a variety of ways with Ministries of Education, NGOs and non-profits and other educational and marketing organizations to advance awareness of and access to computer science education, and help increase diversity in technology fields.



- ∞ Oracle Academy has formal partnerships with selected organizations to help incorporate computer science into standards-aligned academic curriculum pathways and support educator professional development through direct courses and train-the-trainer programs. Along with OA can promote computer science education and equip students with the skills they need for life and work in the modern technology-driven global economy.
- ∞ Oracle Academy partners have access to a range of valuable resources designed to enhance their educational offerings. These resources include self-study courses in Alice and Greenfoot, which are educational Java development environments, along with pre-packaged "Workshops in a Box" for Alice and Greenfoot. These workshop materials provide everything needed to teach students about object-oriented programming, whether in a workshop setting or extracurricular environment.
- ∞ Furthermore, partners can benefit from software licences for personal learning through the Oracle Technology Network, enabling them to explore Oracle technologies hands-on. Additionally, Oracle Academy offers Data Science Bootcamps, featuring video-based lecture series that provide practical experience with data science and Big Data within the context of real-world problems.
- ∞ Partners can also engage with Oracle Academy's Ask the Oracle Experts interactive webcast series, covering a variety of technology-related topics, to stay updated and informed. Lastly, partners have the privilege of using Oracle Academy logos and e-Posters to support and promote their collaboration with Oracle Academy, adding credibility to their educational initiatives. These resources collectively empower Oracle Academy partners to deliver high-quality technology education to their students.
- ∞ Many courses such as, Database Foundations, Database Design and Programming with SQL, Programming with PL/SQL, Oracle Application Express (APEX) Development Foundations, Java Fundamentals, Java Foundations and many such other courses were introduced to the students on a large scale, with many students actively participating in the event.
- ∞ The departments of Computer Engineering, Information Technology, and MCA collaborated to facilitate a seamless course completion process. The organizing team, led by Patron Dr. Mrs. J M Nair, Principal VESIT, and Dr. Mrs. M .Vijaylakhshmi, Vice Principal, VESIT, provided support and assistance. The Departmental Oracle Certification Convenors included Dr. Mrs. Nupur Giri for CMPN, Dr. Mrs. Shalu Chopra for INFT, and Mr. Shiv Kumar Goel for MCA. Dr. (Mrs.) Gresha S Bhatia and Mrs. Ruchi Rautela served as the VESIT-Oracle Incharge. Additionally, the Departmental Coordinators were Mannat Doultani for CMPN, Jayshree Hajgude for INFT, and Monali Rajput for MCA. Lab coordinators included Komal Durgavale for CMPN and Kalpana Zemse for MCA.

-by Mrs. Ruchi R. and Mrs. Monali R.





Co-Curricular




SPICE

The Students Personality, Intellect & Creativity Enhancement (SPICE) society at VESIT aims to bridge the gap between academic learning and industry requirements while fostering holistic personality development among MCA students. The society, led by Dr. (Mrs.) Dhanamma Jagli and Mrs. Vaishali Gatty, is committed to empowering students with the necessary soft skills, technical acumen, and aptitude to excel in the corporate world. The SPICE Student Council, headed by President Disha Khushalani and General Secretary Vishakha More, along with other members, organizes a range of activities to achieve this goal.

SPICE conducts aptitude test sessions by experts and former students to help students understand the aptitude levels expected by top companies and prepare them accordingly for placements. Additionally, SPICE focuses on enhancing students' overall personality by providing opportunities to improve their confidence through group discussion and debate sessions.

Throughout the year, the SPICE society at VESIT organized a series of events aimed at enhancing students' skills and preparing them for the professional world. These events included a session on personality development, a placement talk, a hands-on workshop on mastering research tools, and regular aptitude tests. These activities provided students with valuable insights and practical knowledge, helping them to develop their personalities, improve their academic performance, and succeed in their future careers.

Events Conducted During the Academic Year 2022-2023:

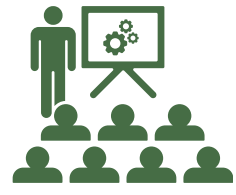
- 
Personality Development: Interactive session on personality development was conducted by Dr. Pooja Kundu (Associate Professor, VESIT). Guidance provided on how to improve the overall personality to face different challenges in work life, how to develop one's personality etc was given.
- 
Placement Talk: MCA- SPICE arranged an interactive session on Placement which was led by Seniors (Batch 2021-23) who guided us on important points like how to prepare for placement and how to manage academic study.
- 
Mastering Research Tools A Hands-On Workshop: MCA-SPICE organized this session to understand the know hows of writing research papers. Speaker Dr. Dhanamma Jagli guided the students about Selecting a research domain and a topic from that domain in which you are interested in, Initial phases of research, Process of building and writing the article, how to write an effective research paper, Publishing the Paper.



Session on Personality Development

"I believe in the power of silence. It has its own aura."





Placement Talk



A Hands-On Workshop

-by Dr. Dhanamma Jagli & Mrs.Vaishali Gatty





MOOC

Massive Open Online Courses (MOOC) are free online courses available for anyone to enroll. MOOC provide an affordable and flexible way to learn new skills and deliver quality educational experiences at scale. All the institutes are required to motivate and encourage learners to use additional online resources available on platforms such as NPTEL/ Swayam. Learners can be advised to take up online courses, on successful completion they are required to submit certification for the same. This will definitely help learners to facilitate their enhanced learning based on their interest. Most of the students of batch 2021-2023 have successfully completed 220 courses under MOOC. Courses completed are from Swayam NPTEL and some are from Oracle academy .

In Division A, a total of 83 students completed various NPTEL courses, with the highest number of completions in "Python for Data Science" (31 students) and "The Joy of Computing using Python" (29 students). Other courses such as "Software Testing," "Blockchain and its Applications," and "Deep Learning" also had a few completions. In Division B, 79 students completed NPTEL courses, with significant completions in "The Joy of Computing using Python" (30 students) and "Python for Data Science" (29 students). A total of 31 students from Division A and 27 students from Division B completed courses provided by Oracle Academy. The courses completed included:

- ∞ Oracle Application Express – Application Development Foundations
- ∞ Database Design and Programming with SQL
- ∞ Database Foundations
- ∞ Java Foundations
- ∞ Java Fundamentals
- ∞ Java Programming
- ∞ Programming with PL/SQL
- ∞ Database Design
- ∞ Artificial Intelligence with Machine Learning in Java

These courses provide students with valuable skills in database management, programming languages, and artificial intelligence, preparing them for future career opportunities in the IT industry.

Aniket Chaudhary of SY MCA division secured top position in "The Joy of Computing using Python" and "Python for Data Science."

VES Trust Scholarship

Several students from the MCA department at VESIT were recipients of scholarships provided by the VES Trust. In the category of "Vivekanand Jyoti," Vaishnavi Parab, a student in the SY (Second Year) of the 2022-23 academic year, from B Division received the Student Aid Scholarship for the year 2022-2023. Additionally, Sahil Farukh Khan, studying in MCA, SY, SEM III, and belonging to the A division, was another deserving recipient of the scholarship. These scholarships serve as commendable recognitions of the students' academic achievements and contributions within their respective divisions and semesters.





Degree Distribution Ceremony



The degree Distribution ceremony for MCA was conducted on 1st April 2023 on behalf of the University of Mumbai.



Mrs. Tanusmita Sharma, Assistant Manager, Refinery Operations, Bharat Petroleum Corporation Ltd. was the chief guest for the ceremony.

The dignitaries on the dias were Mrs. Tanusmita Sharma, Dr. Shivkumar Goel, Dr. Dhanamma Jagli and Dr. Manoj Sabnis. Mrs. Vaishali Gatty and Dr. Meenakshi Garg were the MOC for the Ceremony. The ceremony began with student registration and a procession from Swami Vivekanand Statue to the auditorium. Dr. Shivkumar Goel gave the welcome address.

The chief guest for the ceremony Mrs. Tanusmita Sharma addressed the gathering with valuable inputs for the student's professional life, followed by the degree distribution. The Ceremony concluded with a vote of thanks by Dr. Dhanamma Jagli (Deputy HOD MCA). A total of 115 students attended the ceremony.

-by Prof. Ameya Parkar



“Without any Motion or Movement, There is no Life.”





"The greatest glory in living lies not in never falling, but in rising every time we fall."





(INSTITUTION INNOVATION CELL)

PRAKALP PRADARSHANAM 2022

Organized By Department of MCA In Association with VESIT - Institution's IIC and VESIT - IQAC


In the academic year 2022-23, a self-driven event was held on 11/02/2023. The event spanned 8.5 hours and featured speakers with a strong interest in education, educational technology, and personalized learning. These speakers included Mrs. Sangeeta Oswal, Mr. Shobit K. Khandare, Mrs. Priya R. L., Mrs. Jayshree Hajgude, and Mr. Chintan Jethva, all from VESIT, Chembur, with extensive experience in the education and technology fields. Dr. (Mrs.) Dhanamma Jagli served as the convener, representing the Department of Master Of Computer Applications (MCA), while Dr. Ramesh Solanki and Mr. Sunny Nahar acted as coordinators. The target audience for the program was students, and it centered around Demo Day, a project exhibition for second-year MCA students, where shortlisted groups competed. The program

aimed to provide an understanding of Demo Day, trending projects, and project achievement parameters. The event hosted 109 student participants and featured two winning projects: "21B14 (Virtual Board Air Canvas)" by Aditi Upadhyaya, Ashvita Salian, and Uddhav Deorukhkar, and "21A15 (Commune)" by Archit Semwal, Shreyas Shivkar, and Sadik Shikalgar. The outcomes included preparing first-year MCA students for various competitions, staying updated on trending projects, and sharing experiences and insights among panel members. The event incurred no external participation or expenditure, and a star performer was recognized from both the faculty and student sides, with Prof. Sunny Nahar and Ninad Parab being notable contributors to the activity.



IDEATHON 2023

Organized By Department of MCA In Association with VESIT - Institution's
IIC and VESIT - IQAC



**Vivekanand Education Society's
Institute of Technology**
(Affiliated to University of Mumbai, Approved by AICTE and
Recognised by Govt. of Maharashtra)

10th Anniversary

Arise, Awake and Stop not till the goal is reached!



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

**Under the guidance of Internal Quality Assurance Cell (IQAC)
In Association with Institution's Innovation Council (IIC)**

Vivekanand Education Society's Institute of Technology
Department of Master of Computer Applications

**Organizes
IDEATHON 2023**

Date: 23rd March 2023 **Time: 8:30am to 5:00pm**

Co-ordinated by
Dr. (Mrs.) Dhanamma Jagli
Mr. Sunny Nahar

Dr. Shiv K. Goel HOD, MCA	Dr. (Mrs.) Dhanamma Jagli Deputy HOD, MCA
Shri. B.L. Boolani Managing Trustee, VESIT	Dr. (Mrs.) J.M. Nair Principal, VESIT
	Dr. (Mrs.) M. Vijayalakshmi Vice Principal, VESIT

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In the first quarter of the academic year 2022-23, a successful Institution's Innovation Council (IIC) activity took place at VESIT, Chembur. Held on March 23, 2023, in classroom 114, the 8.5-hour event featured first-year MCA students, including Ankita Badhe, Ballal Parab, Mayank Asija, Rushikesh Kadam, Sunny Satish Halkatti, Vinita Bajaj, Soumya Ranjan, and Padmavati Rajput. Their interests focused on education, educational technology, and personalized learning. Dr. (Mrs.) Dhanamma Jagli served as the convener, and Mr. Sunny Nahar as the coordinator. The program aimed at promoting creativity and innovation, with a particular focus on an IDEATHON where first-year MCA students presented ideas. The event targeted 81 student participants, exclusively from the college, and involved no external


participants or expenditures. Prof. Sunny Nahar was acknowledged as a star performer from the faculty, and Sushant Wagh excelled as the student coordinator. The IDEATHON proved to be a success, encouraging diverse ideas and providing a platform for students to showcase their innovative projects. The initiative not only fostered creativity but also facilitated networking opportunities with professionals and entrepreneurs, contributing to the overall success of the activity.

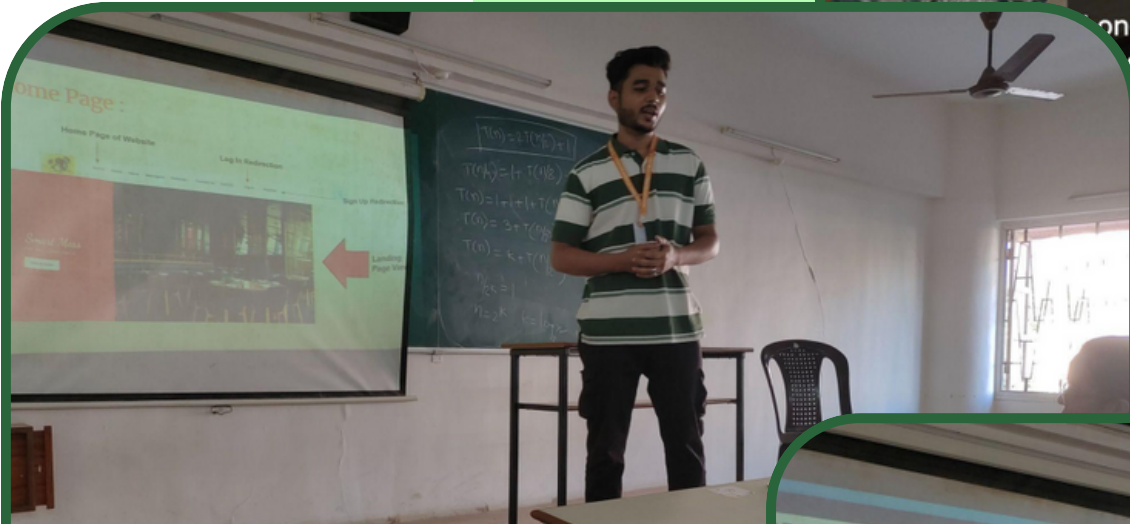




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IPR AWARENESS 2023 WORLD INTELLECTUAL PROPERTY DAY

Organized By Department of MCA In Association with VESIT - Institution's
IIC and VESIT - IQAC

In the third quarter of the academic year 2022-23, VESIT, Chembur organized an 8.5-hour IIC Calendar Activity on April 26, 2023, led by Prof. Sunny Nahar. Dedicated to commemorating "World Intellectual Property Day," the workshop aimed to underscore the critical role of Intellectual Property (IP) rights in fostering innovation. With active coordination by Dr. (Mrs.) Dhanamma Jagli, the event drew participation from 92 students and four faculty members, focusing on increasing awareness about diverse IP rights and addressing environmental challenges.

Prof. Sunny Nahar's comprehensive presentation covered various facets of IP rights, including patents, trademarks, copyrights, and trade secrets, using real-life examples to highlight their protective significance for original work. The workshop included a practical session, enabling participants to navigate the IPR India website, gaining hands-on experience in the patenting process.

The interactive nature of the

workshop, coupled with the acknowledgment of star performers—Sushant Wagh among students and Prof. Sunny Nahar among faculty—contributed to the event's success. In conclusion, the workshop effectively conveyed the importance of Intellectual Property Rights in safeguarding original ideas and promoting innovation.

**Vivekanand Education Society's
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Recognised by Govt. of Maharashtra)

Arise, Awake and Stop not till the goal is reached!

**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

Under the guidance of Internal Quality Assurance Cell (IQAC)
In Association with Institution's Innovation Council (IIC)

Vivekanand Education Society's Institute of Technology
Department of Master of Computer Applications
Session on
IPR AWARENESS
(on World Intellectual Property Day)

Speaker
Sunny Nahar
Assistant Professor, MCA

Date: 26th April 2023 **Time: 8:30am to 5:00pm**

Co-ordinated by
Dr. (Mrs.) Dhanamma Jagli
Mr. Sunny Nahar

Dr. Shiv K. Goel HOD, MCA	Dr. (Mrs.) Dhanamma Jagli Deputy HOD, MCA
Shri. B.L. Boolani Managing Trustee, VESIT	Dr.(Mrs.) J.M. Nair Principal, VESIT
	Dr.(Mrs.) M. Vijayalakshmi Vice Principal, VESIT

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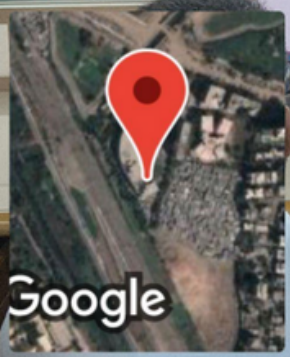
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Mumbai, Maharashtra, India

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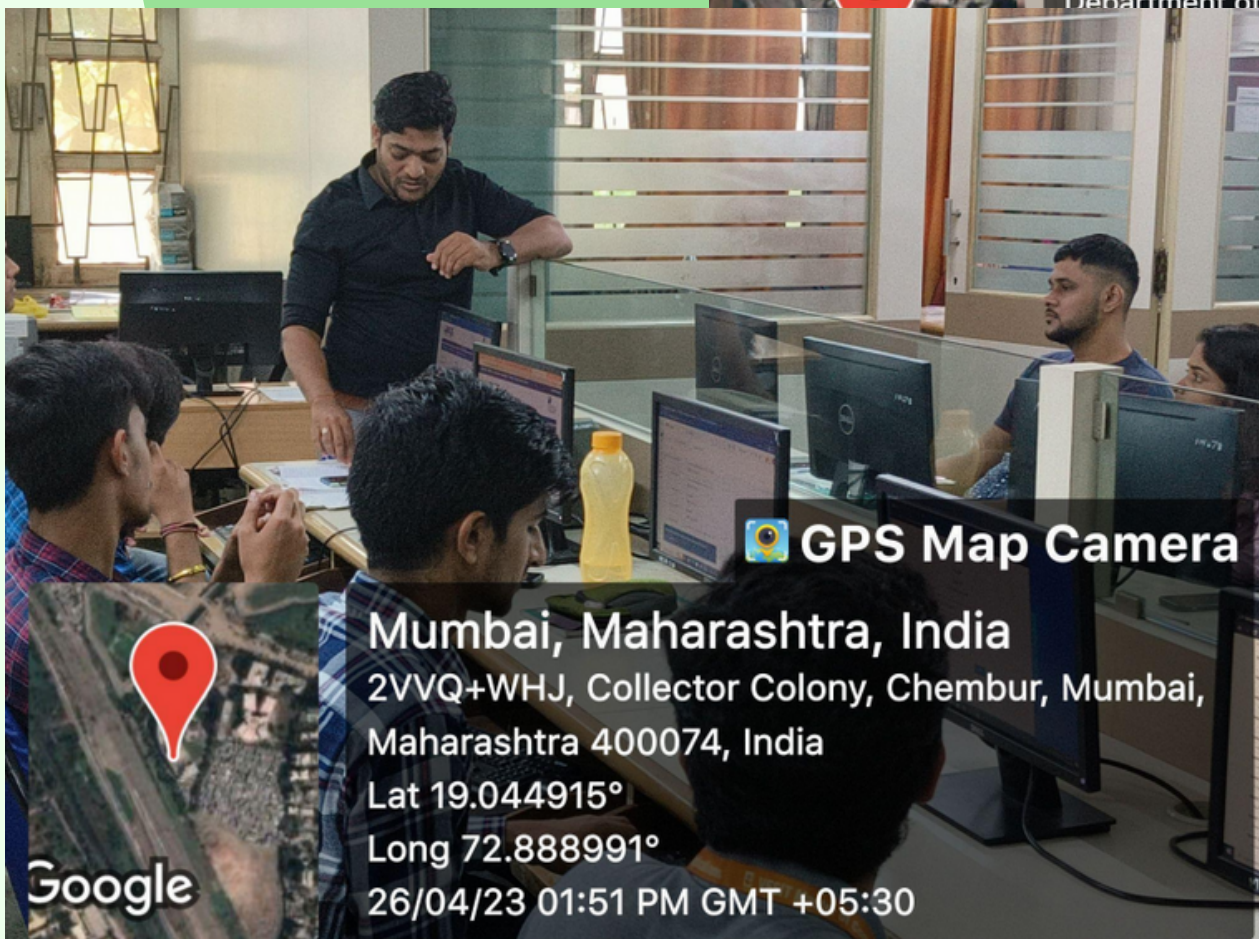
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GPS Map Camera

Mumbai, Maharashtra, India

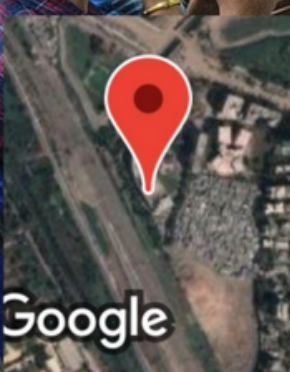
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Google



SAMMAAN 2023 CREATIVITY & INNOVATION DAY

Organized By Department of MCA In Association with VESIT - Institution's IIC and VESIT - IQAC

Vivekanand Education Society's Institute of Technology
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INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Under the guidance of Internal Quality Assurance Cell (IQAC)
In Association with Institution's Innovation Council (IIC)
Vivekanand Education Society's Institute of Technology
Department of Master of Computer Applications

Organizes
SAMMAAN 2023
CREATIVITY & INNOVATION DAY

Date: 21st April 2023 **Time: 8:30am to 5:00pm**

Co-ordinated by
Dr. (Mrs.) Dhanamma Jagli
Mr. Sunny Nahar

Dr. Shiv K. Goel HOD, MCA	Dr. (Mrs.) Dhanamma Jagli Deputy HOD, MCA
Shri. B.L. Boodani Managing Trustee, VESIT	Dr. (Mrs.) J.M. Nair Principal, VESIT
	Dr. (Mrs.) M. Vijayalakshmi Vice Principal, VESIT

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Tel : +91-22-61 532510 Fax : +91-22-61532 555 Email : vesit@ves.ac.in Website : <http://vesit.ves.ac.in>

In the third quarter of the academic year 2022-23, an 8.5-hour IIC Calendar Activity took place on April 21, 2023, in classroom 114, featuring speakers Gourav Salanke, Minhaj Shaikh, and Kavita, all active in the field of technology. Dr. (Mrs.) Dhanamma Jagli and Mr. Sunny Nahar, representing the Department of Master Of Computer Applications (MCA), served as convener and coordinator, respectively. The program, dedicated to "World Creativity and Innovation Day," aimed to raise awareness about the pivotal role of creativity and innovation in addressing global challenges. Objectives included promoting innovative problem-solving, fostering the development of new ideas and technologies, and encouraging collaboration. The speakers shared insights into their experiences and work areas, covering technology, technology in education, and industry trends.

With 64 student and 7 faculty participants, the event facilitated an interactive session where students gained valuable insights. Noteworthy outcomes included increased public support for innovative solutions,

efficient problem-solving, technology development, and enhanced collaboration. Ankita Badhe and Prof. Sunny Nahar were recognized as star performers among students and faculty, respectively, contributing to the overall success of the event. The program's success has paved the way for future similar initiatives, offering students opportunities to learn from industry experts and further develop their skills.

"Don't read success stories. You get only the easy chapter. What you should get is the struggle story which will inspire you."





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KUBERNETES CONTAINER ORCHESTRATION PLATFORM

Organized By Department of MCA In Association with VESIT - Institution's IIC and VESIT - IQAC



In the academic year 2022-23, a Research Forum Talk event occurred on April 8, 2023, from 11:00 AM to 1:00 PM in Room 114 at VESIT. Coordinated by Mrs. Vaishali Gatty, a member of the Research Forum and Assistant Professor in the Department of Master of Computer Applications, the event was organized by the Department of MCA in collaboration with VESIT Research Forum, VESIT - Institution's Innovation Council (IIC), and VESIT - Internal Quality Assurance Cell (IQAC). Speakers Mr. Amlendu Choudhary and Mr. Dilip J Mansukhani shared their expertise on Docker containers and the Kubernetes platform, focusing on Research and Development (R&D). The objectives included educating and motivating participants about these technologies, enhancing scalability and efficiency in the software industry, understanding practical application deployment architecture, and improving system performance. The seminar attracted 24 student participants and 7 faculty participants, offering hands-on training in creating Docker images, containers, and

Research Forum of VESIT
In Association with
Department of Master of Computer Applications (MCA)
Under the guidance of Internal Quality Assurance Cell (IQAC)
and Institution's Innovation Council (IIC)

Is Organizing
Research Forum Talk on
Kubernetes Container Orchestration Platform

Speakers

<p>Mr. Amlendu Choudhary Sr. Manager R&D, Architecture Synopsys Inc Logo</p>	<p>Mr. Dilip J Mansukhani Sr. Tech Lead LFocus Consultancy</p>
Date: 08th April, 2023	Time: 11:00 AM to 1:00PM

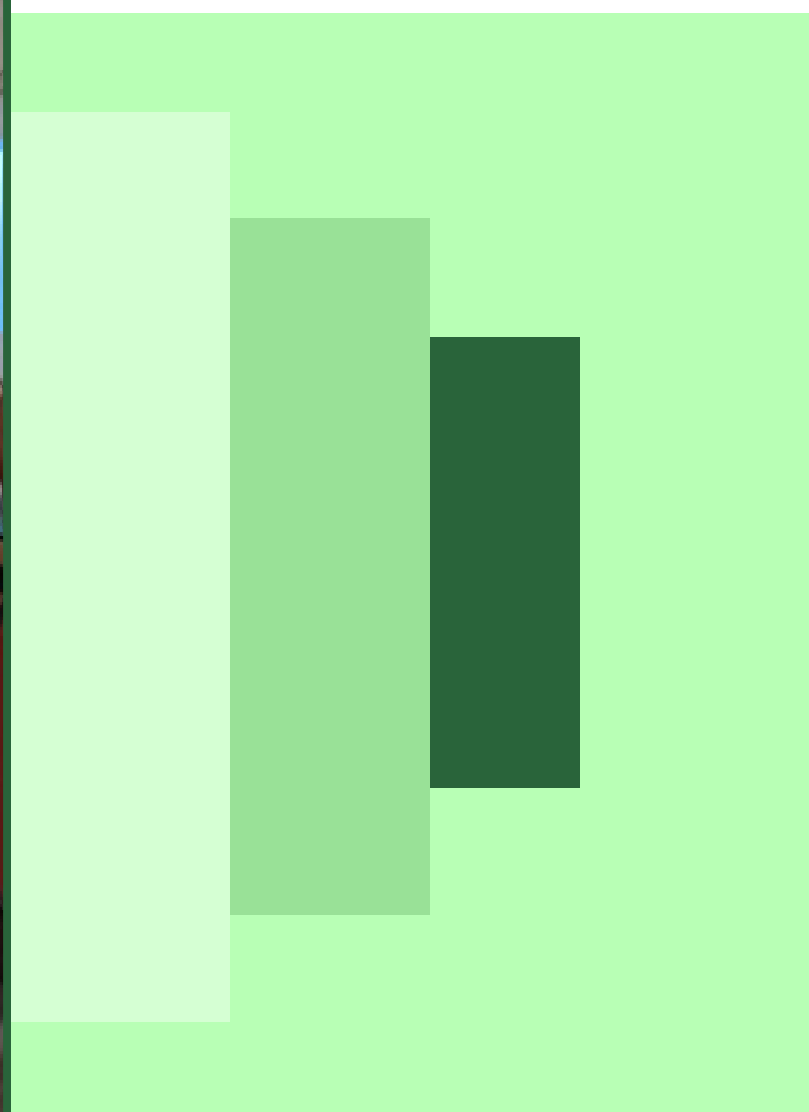
Registration Link : <https://forms.gle/M3bmd8Cm3YwXYQfPA>

Coordinator of Event Mrs. Vaishali Gatty Assistant Professor, MCA		
Dr. Machhindranath Patil Head, Research Forum	Dr. Shivkumar Goel HOD, MCA	Dr. (Mrs.) Dhanamma Jagli Dy. HOD, MCA
Shri. B. L. Boolani Managing Trustee	Dr. (Mrs.) J. M. Nair Principal	Dr. (Mrs.) M. Vijayalakshmi Vice Principal

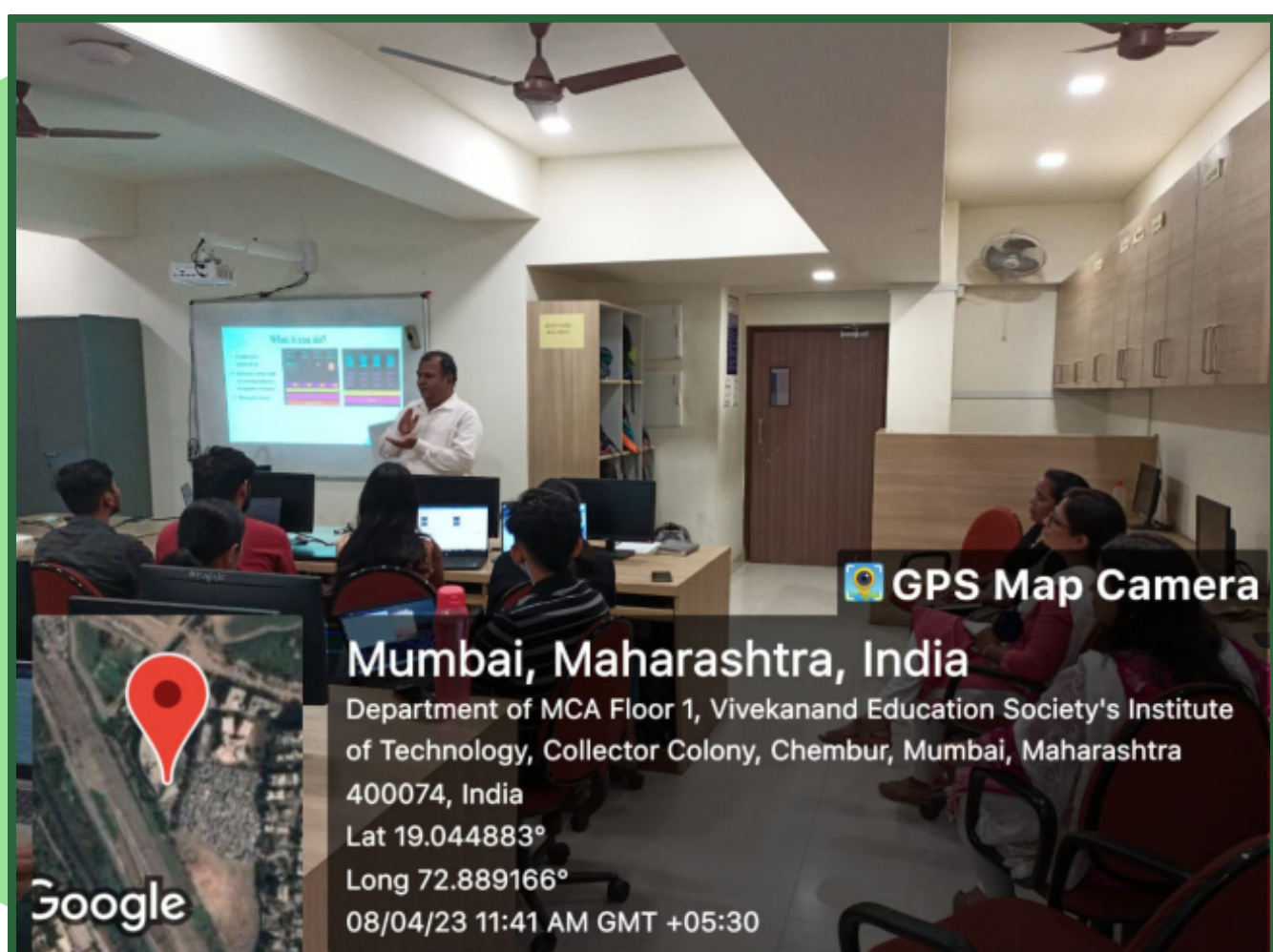
Hashu Advani Memorial Complex, Collector's Colony, Chembur (E), Mumbai - 400074, INDIA
Tel: 022-41532532 Fax: 022-41532585 Email: vesit@ves.ac.in / principal.vesit@ves.ac.in, website: <http://vesit.ves.ac.in/>

Kubernetes Pods. Mr. Dilip covered Docker basics and conducted a hands-on session, while Mr. Amlendu explored Kubernetes, demonstrating its container orchestration capabilities. The session encouraged participant engagement with Q&A sessions, fostering curiosity. Mrs. Vaishali Gatty concluded the event with a vote of thanks.





Speaker Mr. Amlendu Choudhary



Speaker Mr. Dilip Mansukhani



UNSUPERVISED NEURAL NETWORKS

Organized By Department of MCA In Association with VESIT - Institution's IIC and VESIT - IQAC

Vivekanand Education Society's Institute of Technology
(Affiliated to University of Mumbai, Approved by AICTE and Recognised by Govt. of Maharashtra)

Research Forum of VESIT
In Association with
Department of Master of Computer Applications (MCA)
Under the guidance of Internal Quality Assurance Cell (IQAC)
and Institution's Innovation Council (IIC)

is Organizing
Research Forum Talk on
"Unsupervised Neural networks"

Speaker
Dr. Krantee Jamdaade
Asst. Professor
KJ Somaiya Institute of Management,
Somaiya Vidyavihar University, Vidyavihar

Date: 25th May, 2023 Time: 10:30 AM to 12:30 PM

Registration Link: <https://forms.gle/K8bcidmdD1RQkR418>

Coordinator of Event
Mrs. Vaishali Gatty
Assistant Professor, MCA

Dr. Machhindranath Patil Head, Research Forum	Dr. Shivkumar Goel HOD, MCA	Dr. (Mrs.) Dhanamma Jagli Dy. HOD, MCA
Shri. B. L. Boolani Managing Trustee	Dr. (Mrs.) J. M. Nair Principal	Dr. (Mrs.) M. Vijayalakshmi Vice Principal

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Tel: 022-02200000 Fax: 022-02200000 Email: principal-vesit@vesit.edu.in, website: <https://vesit.vesit.edu.in/>

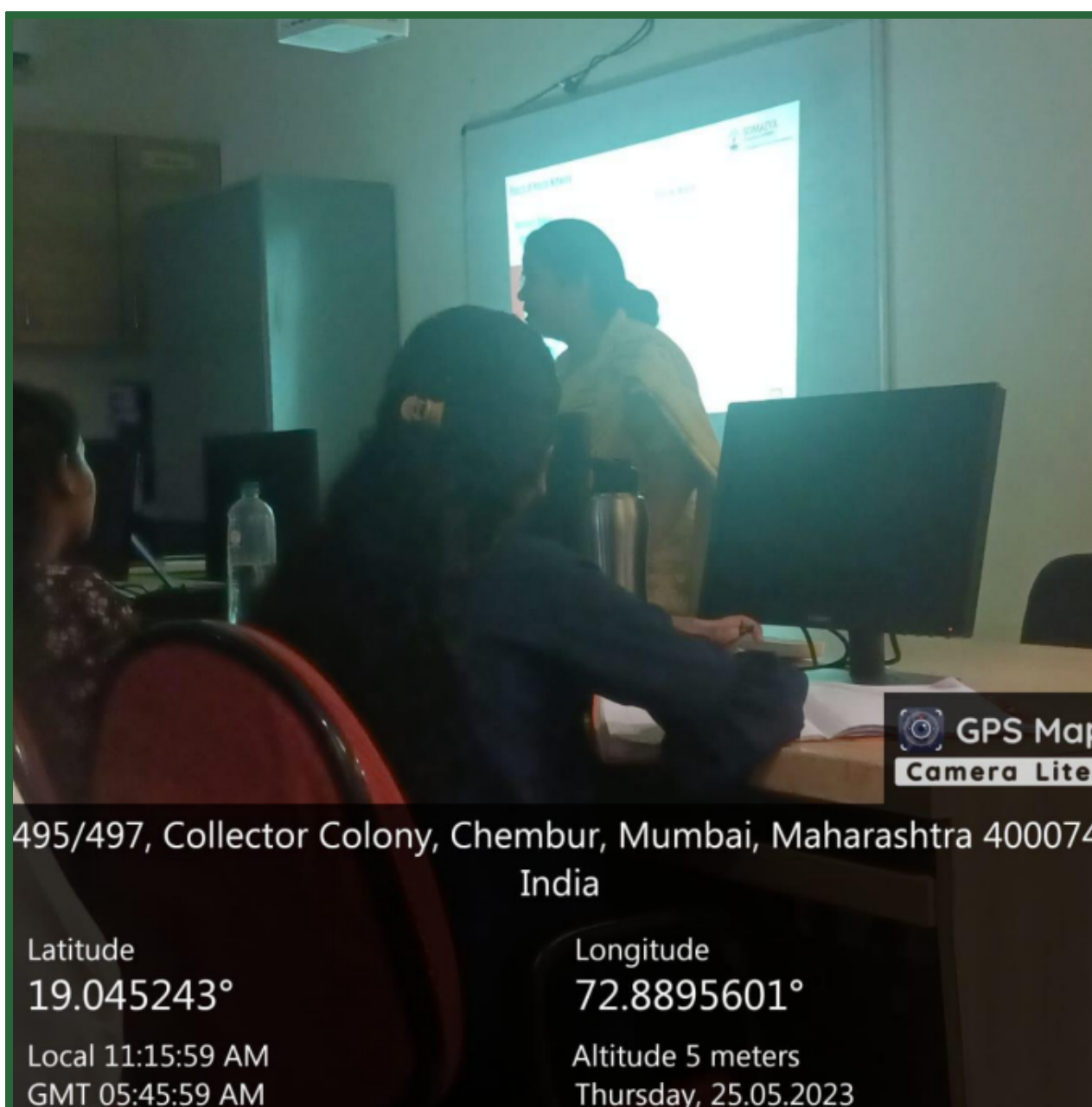
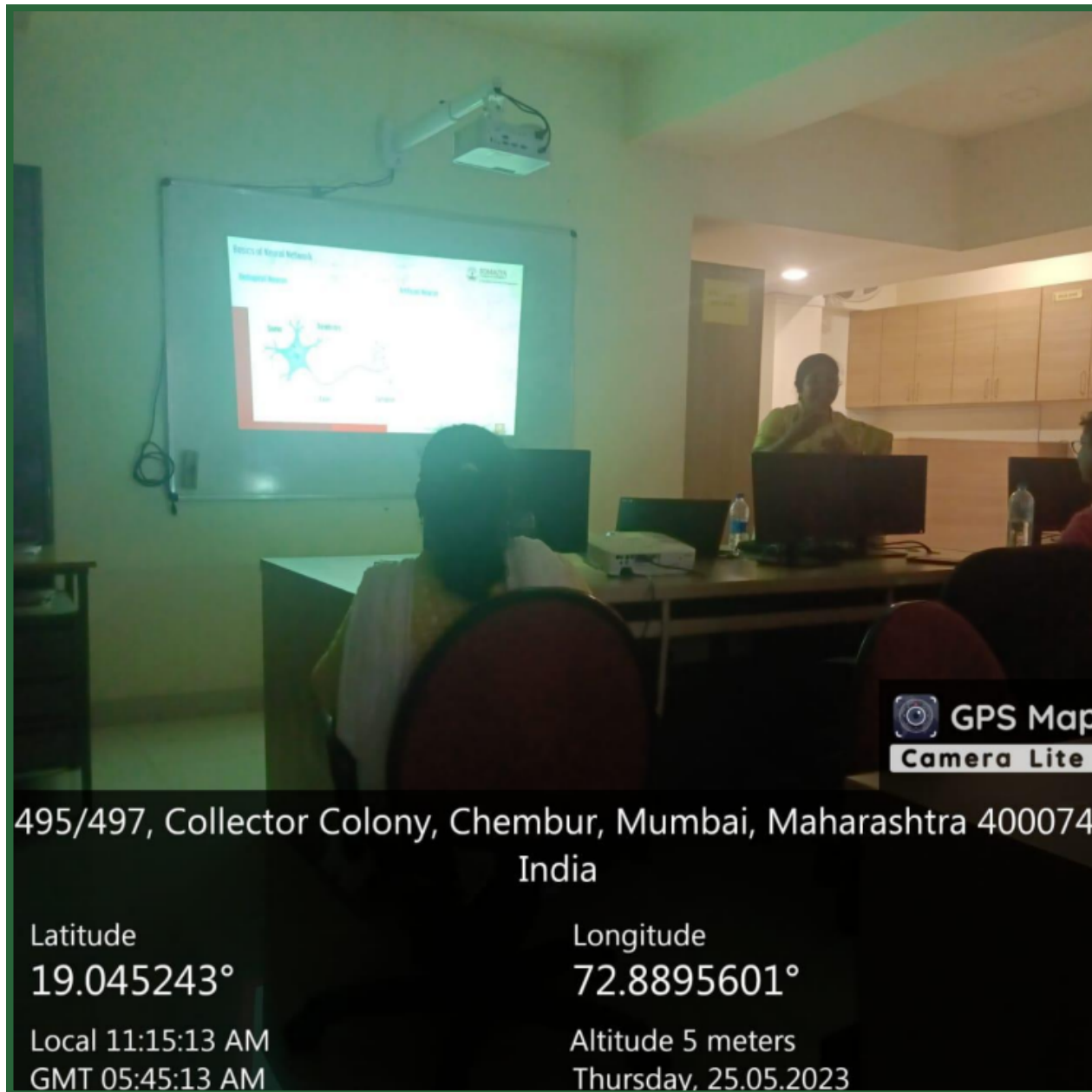
In the academic year 2022-23, a Research Forum Talk event took place on May 25, 2023, lasting two hours from 10:30 AM to 12:30 PM in Room B14 at VESIT. Coordinated by Mrs. Vaishali Gatty, a member of the Research Forum and Assistant Professor in the Department of Master of Computer Applications, the event featured Dr. Krantee Jamdaade, Asst. Professor at KJ Somaiya Institute of Management, as the speaker. The audience included faculty and first-year MCA students, and the seminar, organized in association with the Department of MCA, fell under the guidance of IQAC and IIC.

Dr. Krantee focused on educating participants about unsupervised neural networks, emphasizing their significance in learning patterns from unlabelled data. The session delved into generative models like Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs) for generating new data samples. The speaker covered the basics of machine learning, highlighting the

importance of neural networks, and discussed various unsupervised neural network models, such as Kohouen Network, Max Net, and Mexican Hat Net.

The interactive session, including simultaneous Q&A, encouraged curiosity and enthusiasm among participants. The event concluded with a vote of thanks from Dr. Dhanamma Jagli, Deputy Head of the Department of MCA. With 38 student participants and 6 faculty participants, the seminar provided valuable insights into unsupervised neural networks, problem-solving using neural network models, and the exploration of generative models, contributing to enhanced knowledge and skills in machine learning and artificial intelligence.





Technology Day 2022-2023

Organized By Department of MCA In Association with VESIT - Institution's
IIC and VESIT - IQAC

Vivekanand Education Society's Institute of Technology
(Affiliated to University of Mumbai, Approved by AICTE and Recognised by Govt. of Maharashtra)

Arise, Awake and Stop not till the goal is reached!

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education, Maharashtra)

Under the guidance of Internal Quality Assurance Cell (IQAC)
In Association with Institution's Innovation Council (IIC)
Vivekanand Education Society's Institute of Technology
Department of Master of Computer Applications
Organizes
Technology Day

Date: 20th March 2023 **Time: 8:30am to 5:00pm**

Dr. Shiv K. Goel
HOD, MCA

Dr. (Mrs.) Dhanamma Jagli
Deputy HOD, MCA

Shri. B.L. Boolani
Managing Trustee, VESIT

Dr. (Mrs.) J.M. Nair
Principal, VESIT

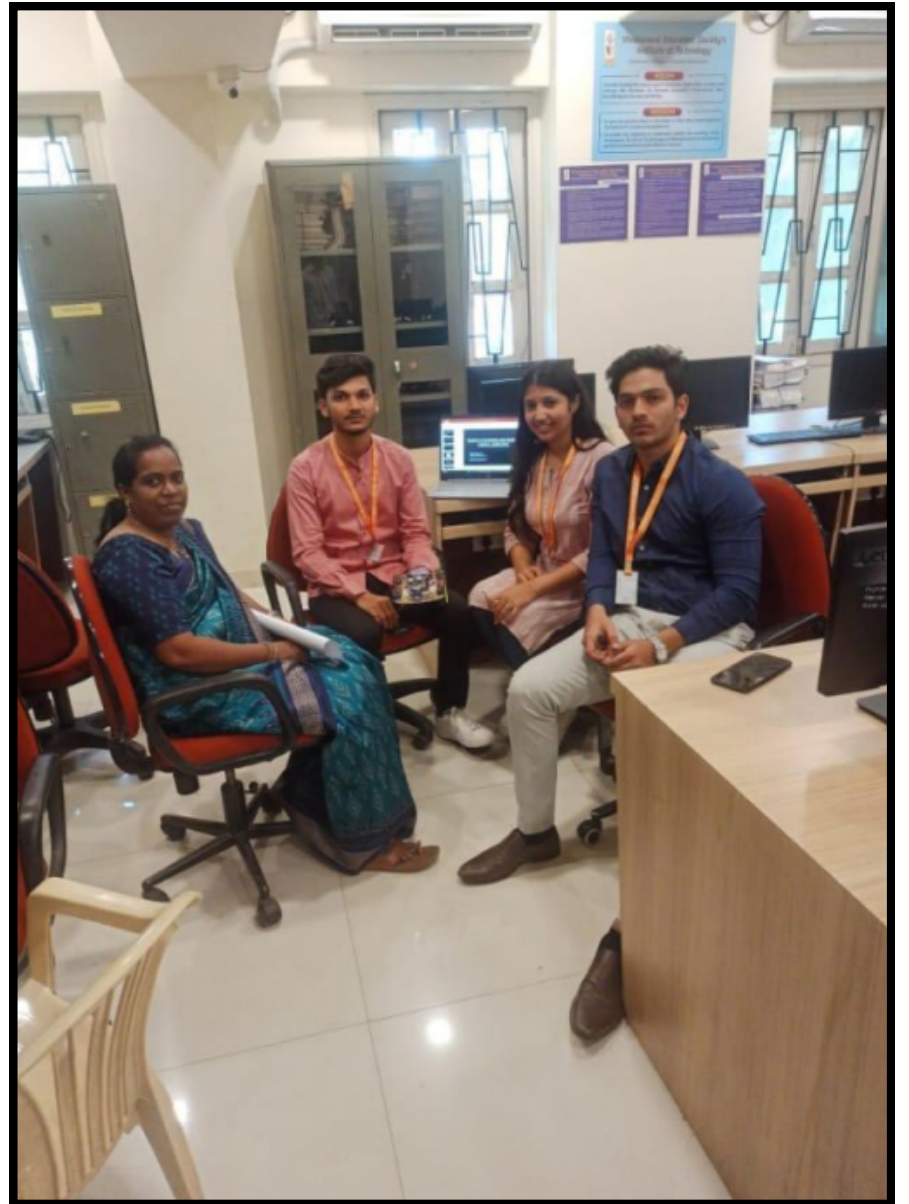
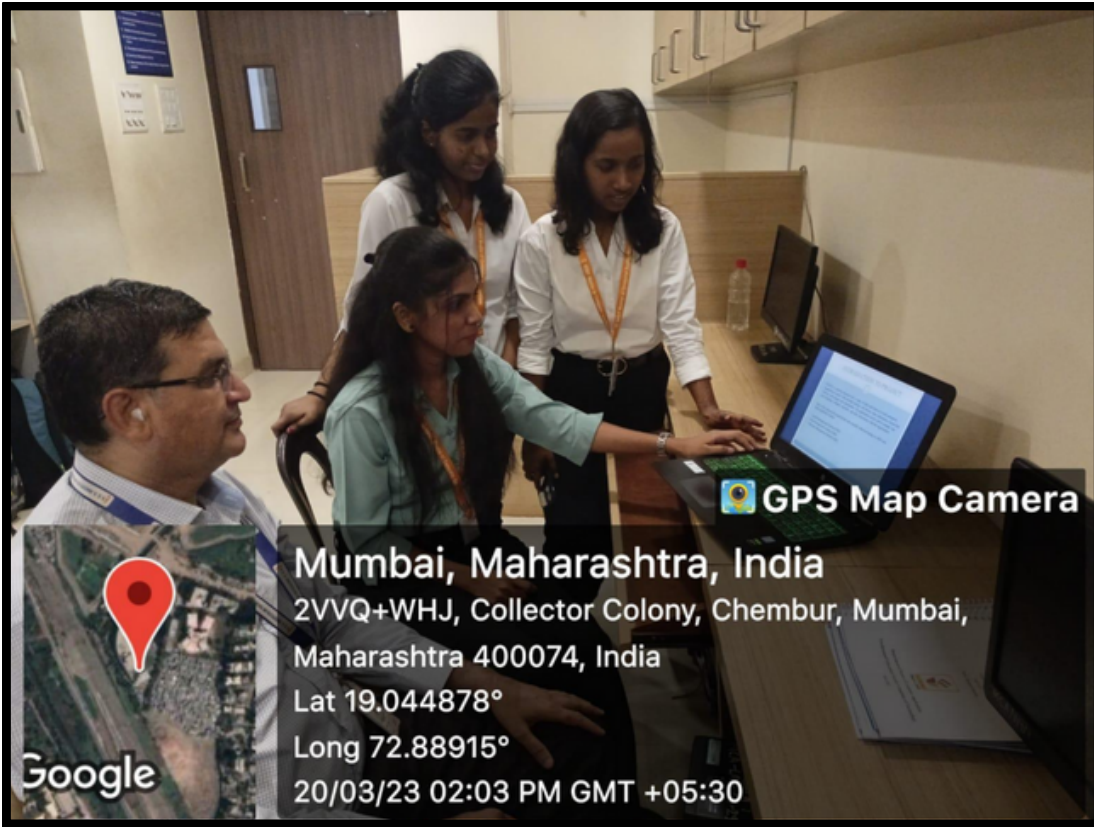
Dr. (Mrs.) M. Vijayalakshmi
Vice Principal, VESIT

Hashu Adwani Memorial Complex, Collector's Colony, Chembur, Mumbai, Maharashtra 400074
Tel : +91-22-61532510 Fax : +91-22-61532555 Email : vesit@ves.ac.in Website : https://vesit.ves.ac.in

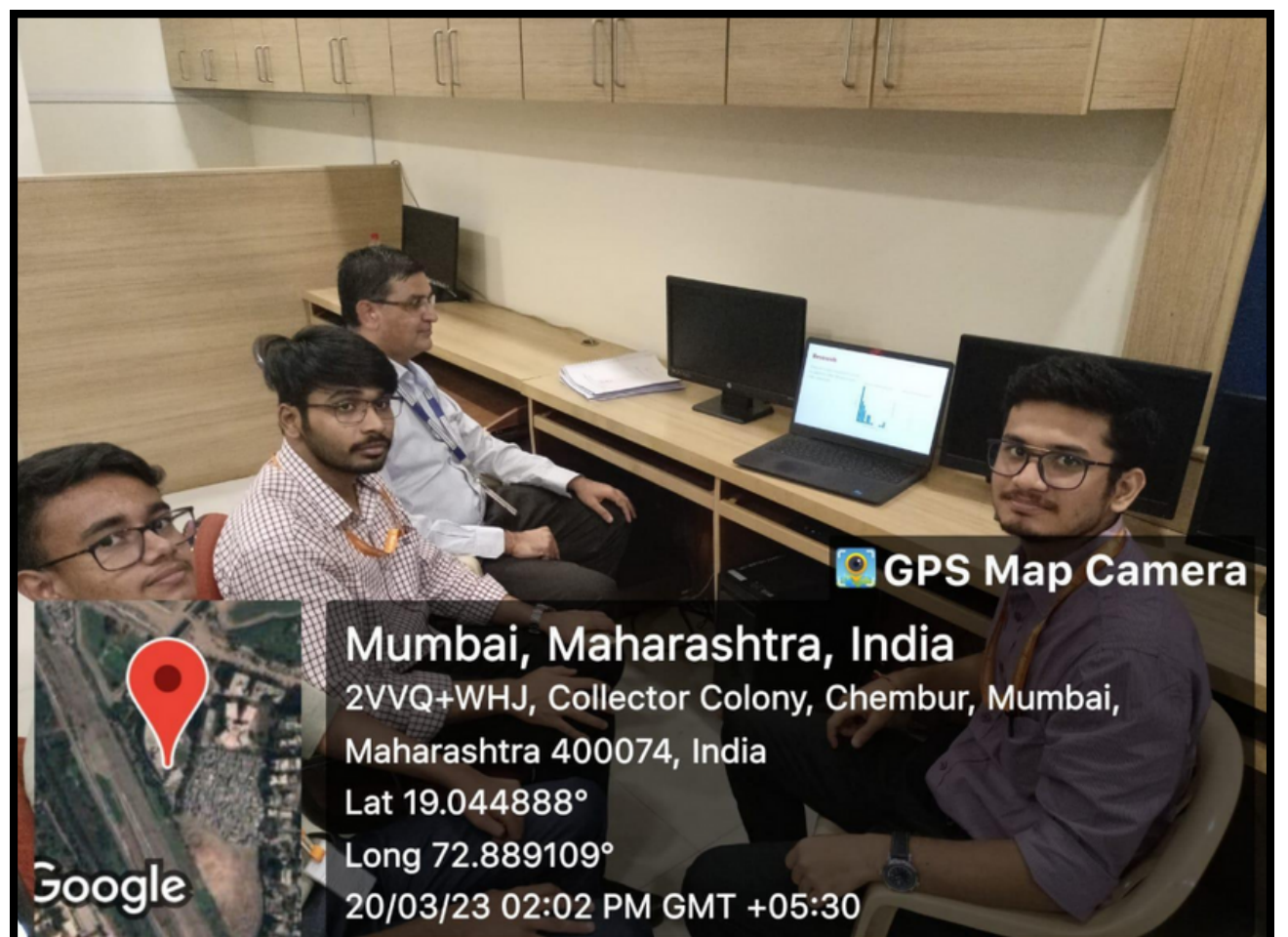
In the academic year 2022-2023, during Quarter II, a self-driven event named Technology Day took place on 20/03/2023. This event unfolded across multiple venues, including MCA labs 110, 111, B12, and B14, spanning a total duration of 8.5 hours. While no specific speakers were listed, the coordination for the event was overseen by Dr. (Mrs.) Mona Deshmukh and Mrs. Indra Bhattacharya. The target audience primarily comprised students, and the event was orchestrated by the Department of Master and Computer Applications. Technology Day served as a platform for students to showcase the projects they had diligently worked on throughout the semester. The program aimed to highlight and enhance problem-solving skills, offer insights into trending projects, foster management abilities and teamwork, and emphasize the importance of research and analysis in project execution. The event witnessed active participation from 124 students and 11 faculty members. While there were no external participants or expenditures

mentioned, the outcomes included preparing first-year MCA students for problem-solving challenges, updating them on emerging project trends, encouraging teamwork and collaborative project presentations, and having panel members evaluate the showcased projects. Diksha Maurya, an FYMCA student, was recognized as the star performer among the students, while Prof. Sunny Nahar was acknowledged as a star performer from the faculty, contributing to the event's success.





*-By Dr.Dhannama Jagli
and
Prof. Sunny Nahar*



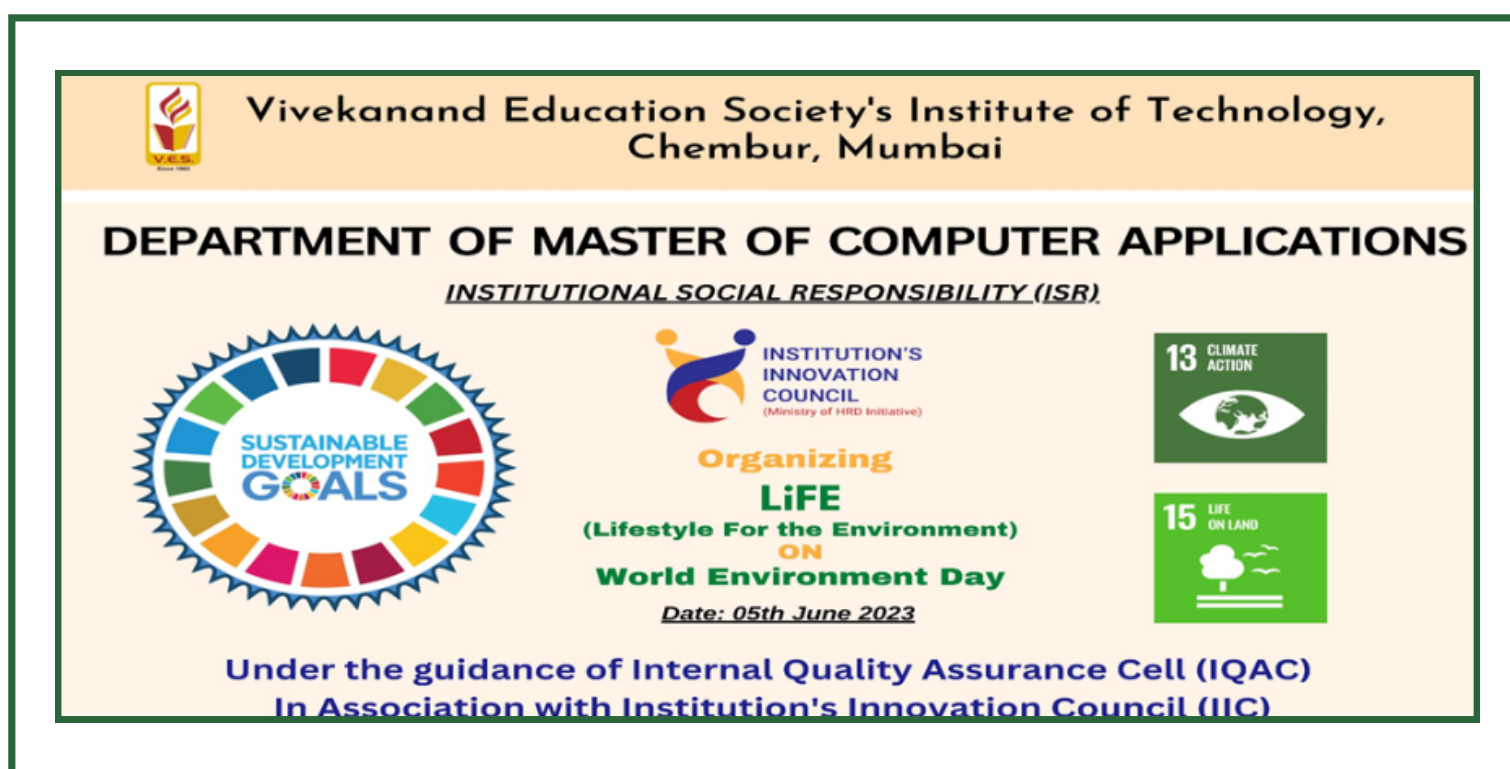


ISR

**(INSTITUTE SOCIAL RESPONSIBILITY)**

Institute Social Responsibility (ISR) is a concept that pertains to the ongoing dedication of institutions to conducting themselves in an ethical manner and contributing to the socioeconomic development of society. According to the ethical theory of social responsibility, individuals have a duty to fulfil their civic obligations, with the actions of everyone being geared towards benefiting society.

This means achieving a balance between economic growth and the welfare of society and the environment, which is essential for sustainability. Social responsibility applies not only to organizations but also to individuals whose actions

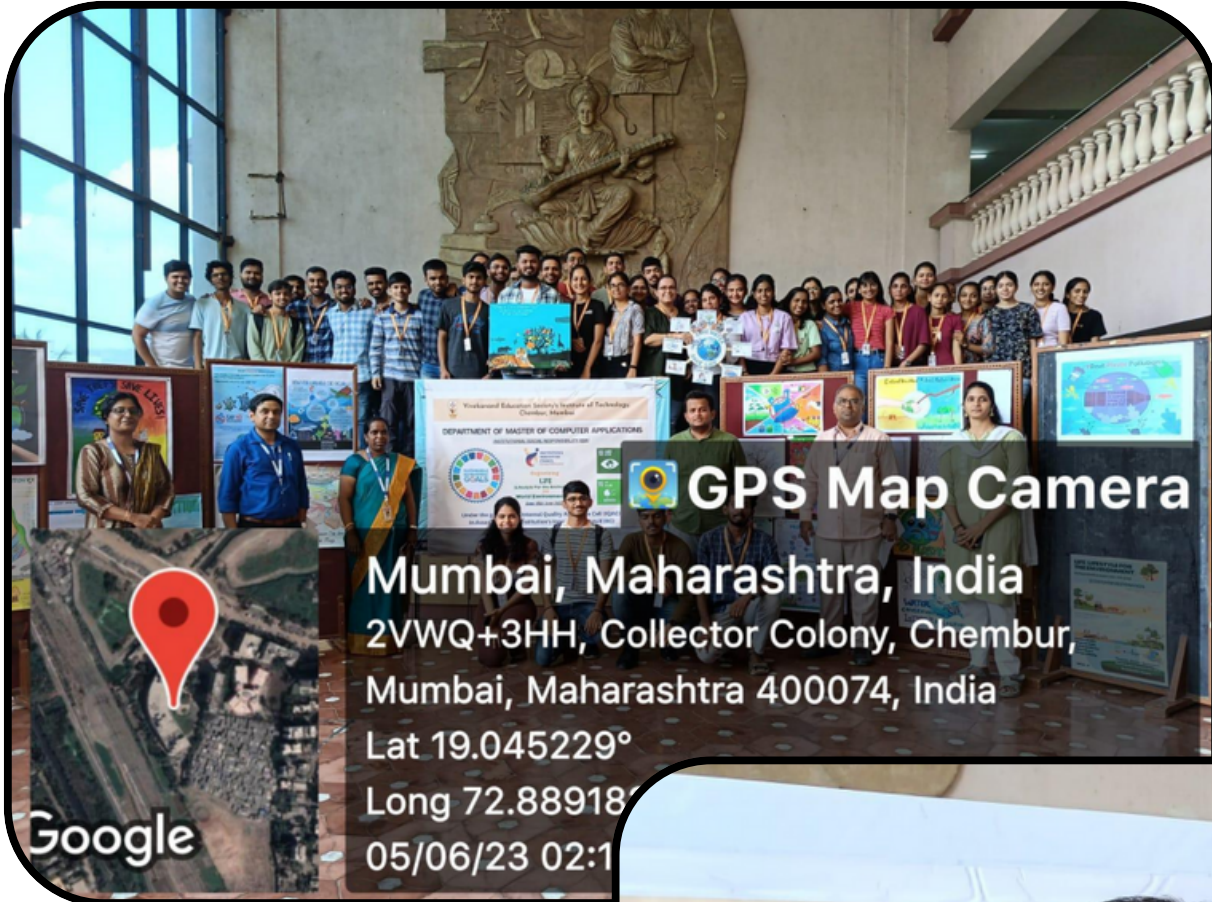



On June 5, 2023, from 10:30 AM to 2:30 PM, the Institute Social Responsibility (ISR) hosted an event on LiFE (Lifestyle for the Environment). This event was organized under the guidance of Teacher In-charge Monali V. Rajput, with student in-charges Tanishq Vaidya and Shubhankar Bhattacharya. The event was planned and conducted in accordance with the guidelines of the Ministry of Education, MOE's Innovation Cell, AICTE, and IIC, coinciding with World Environment Day. The activity, held for MCA students under the ISR head, included a poster-making and essay-writing competition. The topics for the competition were focused on environmental issues such as beating plastic pollution, ecosystem restoration, protecting species from pollution, solutions for pollution, afforestation, and water conservation. A total of 125 students participated in the event.

The winners of the poster-making and essay-writing competition are as follows:

- Handmade Poster: First Place - Pranav Deshmukh, Rushikesh Kadam Second Place - Sonia Patra, Khushboo Shahdadpuri, Gunjan Wadhvani Third Place - Vaishnavi Joshi, Soumya Ranjan, Isha Singh, Muskan Nathani, Diksha Maurya
- Digital Poster: First Place - Shivani Jambekar, Sakshi Khambaye, Rohan Rathod, Prasanna Sawant, Shreya Sawant Second Place - Soham Salunke, Archit Saxena, Tanishq Vaidya, Himanshi Sharma, Dev Manwani Third Place - Shubham More, Ankush Shamnani, Rohit Pallewad, Sahil Raut, Mandar Wani
- Essay: First Place - Omkar Hande, Anish Rane, Mohit Tendolkar, Riddesh Naik, Ballal Parab Second Place - Krishna Singh Third Place - Chinmayi Dongre, Divya Shadija, Jinal Harisinghani

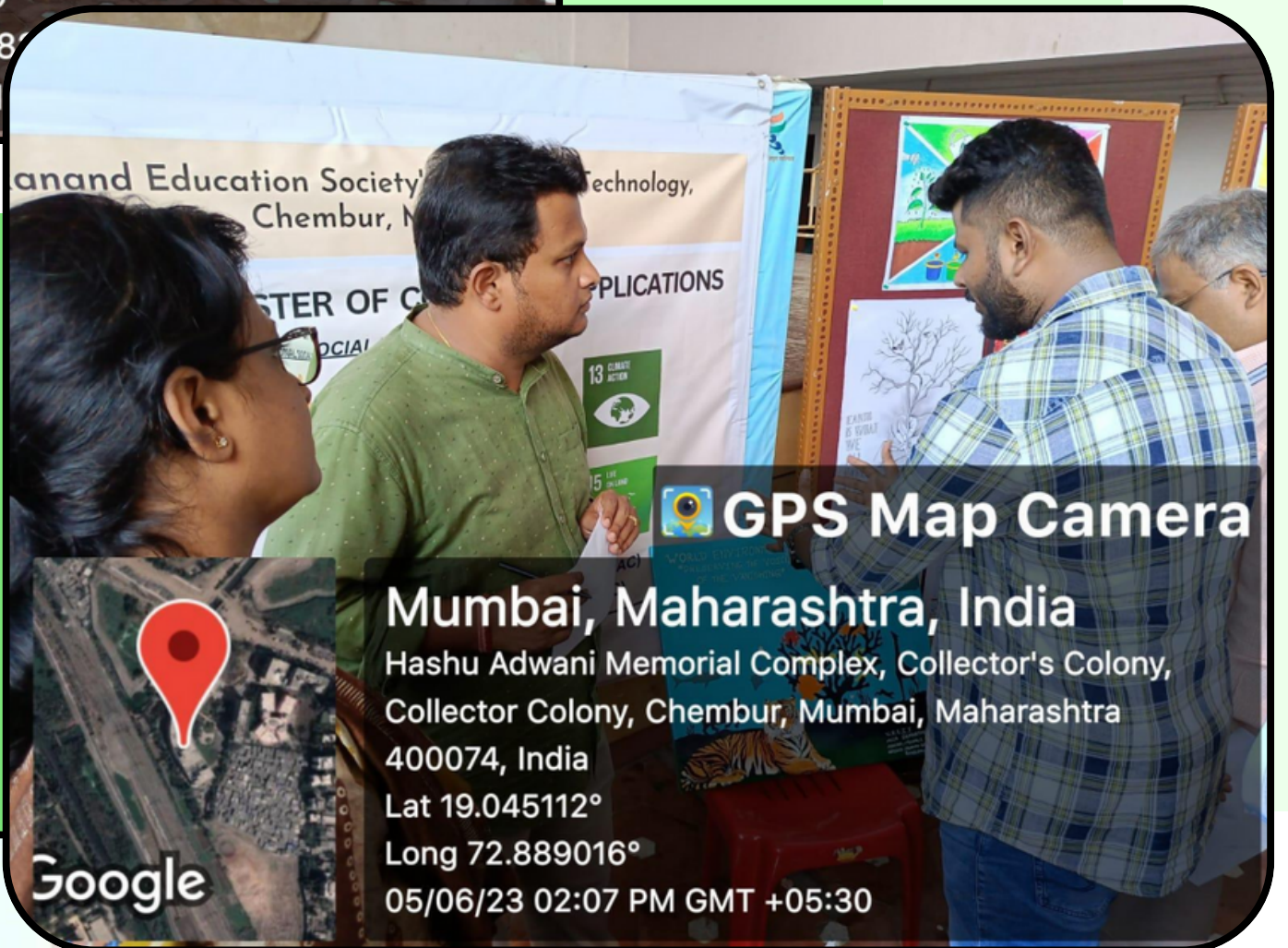




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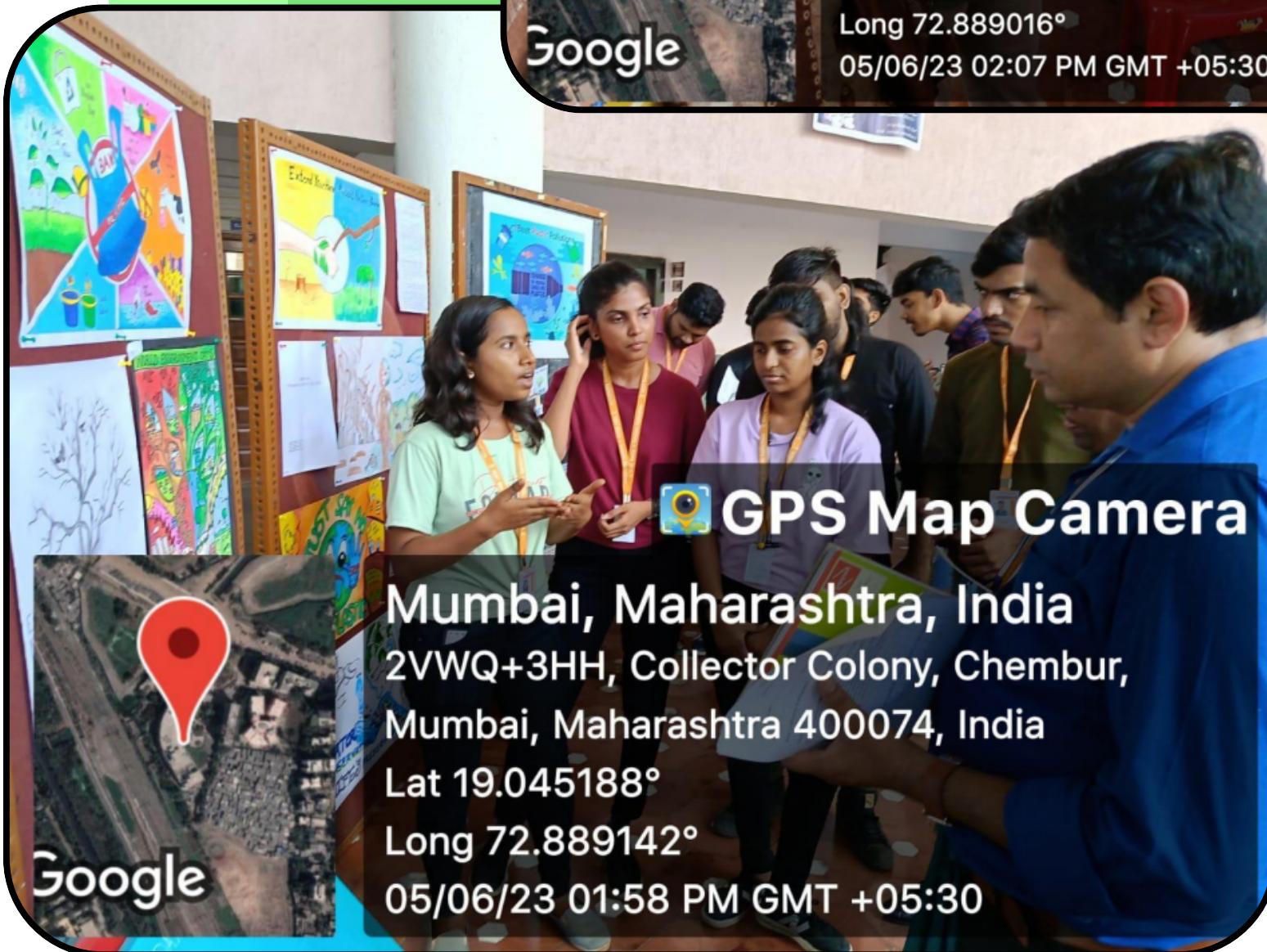
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Google

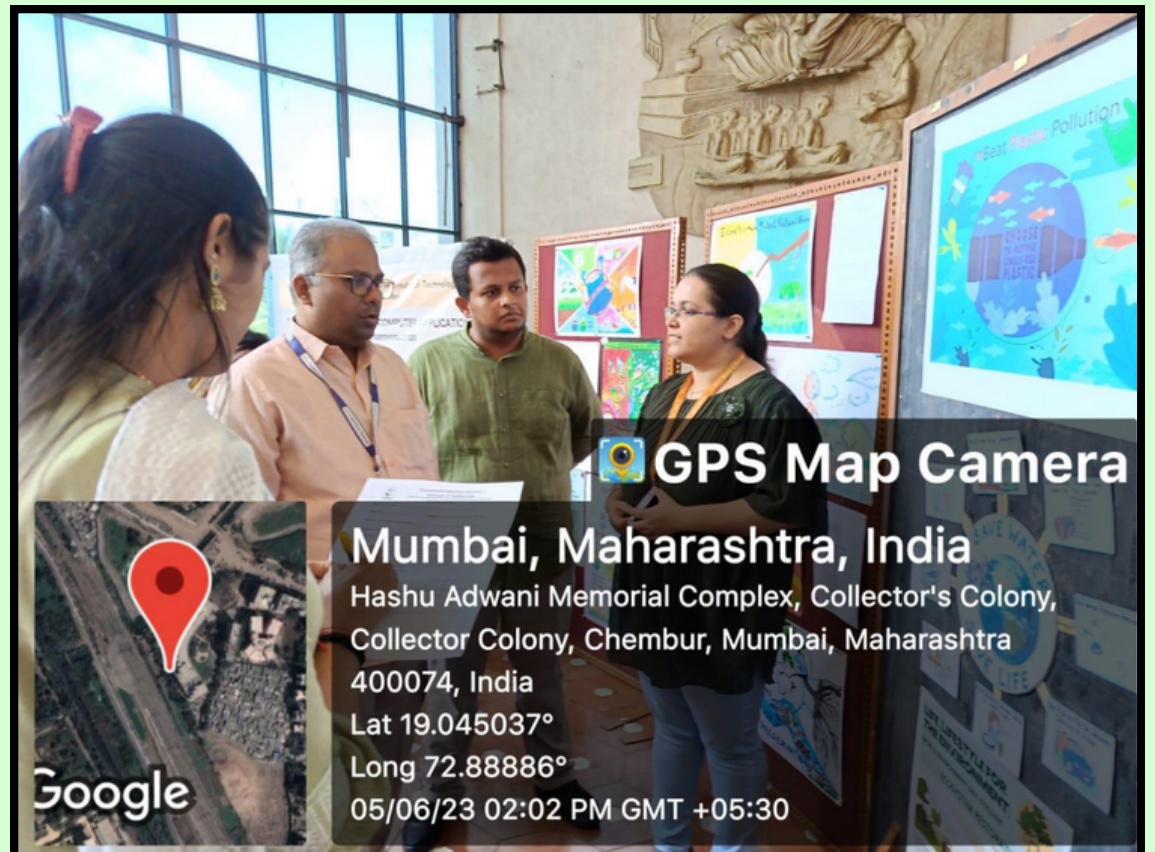


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2VWQ+3HH, Collector Colony, Chembur,
Mumbai, Maharashtra 400074, India
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Long 72.889142°
05/06/23 01:58 PM GMT +05:30

Google







Extra-Curricular

In the academic year 2022-23, the MCA Sports Council at VESIT organized an outdoor sports extravaganza called "Shrestha" on the 6th of May, 2023, at the Polytechnic Ground, VES. This single-day event featured football, cricket, dodgeball, and volleyball and was exclusively designed for students of the VESIT MCA department, including both first-year (FY) and second-year (SY) students. The program aimed to foster unity and camaraderie among MCA peers and seniors, promoting inclusivity without any discrimination based on gender or seniority. It was intended to break the ice and create a sense of familiarity among different MCA batches. The event proved successful, with a higher number of students actively participating and showing enthusiastic support for their teams. It provided an opportunity for students to interact, fostering new friendships and bonds while enjoying quality time engaging in various sports activities on the ground. Overall, "Shrestha" successfully achieved its objective of bringing MCA students together through the power of sports.

In the Shreshtha sports event, the winners in various categories were as follows: in the boys' volleyball category, MCA1 emerged victorious; in the girls' dodgeball category, MCA1 claimed the top spot; for boys' football, MCA2 secured the victory, and in the mixed cricket competition, once again, MCA1 took the winning position. These results showcase the outstanding sporting prowess and competitive spirit of the MCA students, with MCA1 particularly excelling across multiple disciplines.



Shreshtha Overall Class winners MCA1 with the winning trophy





MCA Sports Council



Inauguration of MCA sports event Shrestha by Department Sports Incharge Dr.Ramesh Solanki and the sports council.

-By Dr. Ramesh Solanki

"You play according to the situation of the game."





Faculty Pursuits:

FDP/STTP/Workshop Attended by Faculty

- Dr. Dhanamma Jagli participated in the "Annual Refresher Programme in Innovation of Technological Advancement" during the two-week ARPITA 2023 program. This initiative was organised jointly by the Department of Information Technology and IQAC (Internal Quality Assurance Cell) at Haldia Institute of Technology. The program took place from January 2nd to January 14th, 2023, providing attendees with an enriching and comprehensive experience in the field of technological innovation and advancement.
- Dr. Dhanamma Jagli attended a Research Forum Session on "Kubernetes Container Orchestration Platform" on April 8th, 2023. This informative session was organised by VESIT MCA, providing participants with valuable insights into the Kubernetes platform, its role in container orchestration, and its significance in modern computing environments.
- Dr. Dhanamma Jagli participated in a Short-Term Training Programme (STTP) sponsored by AICTE on "i2we - 6-day Leadership Development Programme." This program was organised by Prin. L. N. Welingkar Institute of Management Development & Research (WeSchool) took place from January 30th to February 4th, 2023.
- Dr. Dhanamma Jagli attended a Research Forum Session on "Unsupervised Neural Networks" on May 25th, 2023. This session was organised by VESIT MCA, offering participants an opportunity to delve into the fascinating realm of unsupervised neural networks.
- Dr. Ramesh Solanki attended Research Forum Session on "Unsupervised Neural Networks" on May 25th, 2023, organized by VESIT MCA. The session provided valuable insights into this advanced field, enriching participants' understanding of neural networks and their applications.
- Ameya Parkar participated in a workshop on "Research Paper Writing & Publishing" organised by Nutan College of Engineering & Research. This workshop took place from February 20th to February 24th, 2023. It was focused on enhancing the skills and knowledge required for effective research paper writing and successful publishing.
- Ameya Parkar was part of "Energy Literacy Training" organised by the Energy Swaraj Foundation on April 22nd, 2023. This training program likely aimed to enhance participants' understanding of various energy-related topics, fostering energy literacy and awareness.
- Dr. Meenakshi Garg participated in a Short-Term Training Program (STTP) focused on "Social Media Analytics." This program was organised by the VESIT Department of Computer Engineering in collaboration with VESIT IQAC and took place from January 2nd to January 6th, 2023.
- Dr. Meenakshi Garg was a part of the "National Intellectual Property Awareness Mission" seminar organised by NIPAM on March 21st, 2023. This event likely focused on raising awareness and understanding of intellectual property rights and their significance in various fields.

-By Dr. Meenakshi Garg and Prof. Sunny Nahar



Courses attended by Faculty:

- Dr. Dhanamma Jagli led two impactful workshops in recent months. The first, titled "Research Tools Workshop," which was organised by VESIT-SPICE on May 20, 2023. This workshop provided valuable insights into research tools and methodologies, aiding participants in their academic and research pursuits.
- The second workshop, titled "Design Thinking in Practice," took place on March 24, 2023, and was organised by VESIT IIC. This session was designed to engage participants in the practical application of design thinking principles, fostering creativity and problem-solving skills.

On January 16th, 2023, Meenakshi Garg, a faculty member, conducted a one-day Orientation Program centred on Augmented and Virtual Reality. This session was organised jointly by the IT Department at VESIT and the University of Mumbai, providing educators with valuable insights into the realm of AR and VR technologies.

Research Paper Published

Sunny Nahar, in collaboration with Pranav Chaudhari, authored a publication in June 2022. This publication appeared in the International Research Journal of Engineering and Technology (IRJET), which is an international journal. The publication can be found in Volume 09, Issue 6, on pages 2324-2326 of the journal. The ISSN for IRJET is 2395-0056.



-By Dr. Meenakshi Garg and Prof. Sunny Nahar

SEL organised:

- Dr. Mona Deshmukh and Dr. Ramesh Solanki, faculty members of MCA department, and Mr. Amlendu Choudhary, Senior R&D Manager at Synopsys(India) Pvt. Ltd., focused on the topic of "**IOT Kafka**" on **16th of July 2022**. This session likely delved into the Internet of Things (IoT) and its integration with Kafka, a distributed streaming platform, covering aspects of data processing, real-time messaging, and related technologies. The event likely provided valuable insights into this intersection of IoT and data streaming for attendees.
- On **July 16th, 2022**, Prof. Indira Bhattacharya, a faculty member, and Mr. Dilip J. Mansukhani, Senior Tech-Lead at DieboldNixdorf.com, conducted a session on "**DAA Monitoring using Prometheus & Grafana.**" This session likely focused on Data Analytics and Automation (DAA) and how to effectively monitor and visualise data using Prometheus and Grafana, two popular tools in the field of monitoring and observability.



- During the academic session 2022-2023, the first semester of MCA 1 year featured various educational activities, including SEL, NPTEL sessions, Quizzes, Expert Lectures, and POGIL. On **12th January 2023**, a Quiz session on ADBMS was conducted with Dr. Meenakshi Garg as the faculty for Division B, engaging 62 attendees. Another Quiz on MFCS 1, led by Mr. Ameya Parkar, took place on **9th February 2023** for Division A, with 63 participants. These activities aimed to enhance subject understanding and encourage active student engagement in the learning process
- In the academic year 2022-2023, during the third semester of MCA 2 years, various educational activities, including SEL, NPTEL sessions, Quizzes, Expert Lectures, and POGIL, were conducted. On **15th November 2022**, two Quiz sessions were held: one focused on **Distributed Computing & Cloud Computing** for SYMCA Division A, led by Mr. Ameya Parkar, with 62 participants, and another on Blockchain for SYMCA Division B, led by Mrs. Vaishali Gatty, involving 58 participants. An NPTEL session on "**Permissioned Blockchain**" was conducted on **13th October 2022** by Dr. Sudip Chakraborty from IIT Kharagpur, attended by 38 students from SYMCA Division B. These activities aimed to enhance students' knowledge and foster active engagement in their subjects, providing expert guidance and interactive learning experiences.
- In the academic year 2022-23, during the second semester of the MCA two-year program, educational activities, including SEL, NPTEL sessions, and Quiz sessions, were organized. On **19th April 2023**, an NPTEL session on AIML, specifically "**AI Searching Techniques**", was conducted by Dr. Dhanamma Jagli, featuring Dr. Sudeshana Sarkar from IIT Kharagpur as the resource person. Attended by 41 FY MCA students, it delved into crucial aspects of artificial intelligence and machine learning. Additionally, on **8th May 2023**, **12th May 2023**, and **13th June 2023**, three Quiz sessions on AIML were held by Dr. Dhanamma Jagli, covering diverse AI and ML topics, with participation from 62, 61, and 63 FY MCA students, respectively.
- -On **July 16th, 2022**, Ms. Indira Bhattacharya, a faculty member, and Mr. Dilip J. Mansukhani, Senior Tech-Lead at DieboldNixdorf.com, conducted a session on "**DAA Monitoring using Prometheus & Grafana.**" This session likely focused on Data Analytics and Automation (DAA) and how to effectively monitor and visualise data using Prometheus and Grafana, two popular tools in the field of monitoring and observability.

Kudos for Dr. Mona Deshmukh

Dr. Mona Deshmukh, completed her Ph.D. from SIR PADAMPAT SINGHANIA UNIVERSITY, Udaipur, Rajasthan in 2022. The Ph.D. research was titled 'Adaption Of Lean Concepts In Software Organizations And Development Of Leanness Measurement Tool'. She has published research papers in SCI, SCOPUS, WEB OF SCIENCE, IEEE AND SPRINGER Journals and Conferences.





Alumni Interaction:

Ashvita Salian, A 2023 graduate in Master's degree in Computer Applications (MCA) from VESIT, brings a blend of software development expertise and analytical skills to the table. After honing their abilities as a Software Developer at Maxus Technologies from August 2019 to August 2021, they transitioned to Nomura in January 2023. There, she excelled in her internship and have since progressed to a successful Analyst role.



- **What motivated your decision to pursue an MCA degree at VESIT?**

VESIT is one of the top-ranking institutes in Mumbai. I had heard about the focus on cultural values, academic excellence and good track record in placements from pass outs.

- **Could you share some insights about the teaching methods employed by the professors at VESIT?**

Professors use interactive methods like open discussions to promote critical thinking, collaborative learning and constant motivation to apply theoretical knowledge to practical situations.

- **Did you notice a healthy competitive environment among students during the placement process?**

Placement period is quite stressful for students but I noticed that there was healthy competitive environment among students and they were constantly motivating each other to get through the process.

- **Which extracurricular activities did you participate in at VESIT, and how did these activities contribute to your professional development?**

I had participated in many sport activities, ISR volunteering, moderated VReach sessions. I was elected in Student Council as MCA Representative and I organized fresher's event for the new set of learners. Actively participating in extracurricular activities has given me immense confidence and helped build leadership and networking skills.

- **In your view, what distinct qualities or strengths make your college, VESIT, stand out from others?**

The strong placement record, opportunities to participate in hackathons. VESIT instils values in students and focuses on creating a growth environment.



"For me, the opposition is just another opposition."

- **Could you recount a memorable experience from your time in college that stands out to you?**

The most memorable experience would be organizing the fresher's event. We had people from all different councils come together, visualize, and make the event a success. The memory of the fun we had during the preparations and dance rehearsals still makes me smile.

- **Could you provide details about your current job title and the path that led you to this position?**

I am working as an Analyst at Nomura. I was able to get here due to constant self-analysis and improvement, determination and dedicated effort towards my goal. I have always tried to seize every opportunity that came my way and make the most out of it.

- **What can you tell us about the prevailing corporate culture at Nomura where you currently work?**

Nomura is mindful of the work-life balance and it offers many programs to support employee's well-being as well as growth and strongly believe in their ethics and values. The company is committed to making a positive impact on society through various social responsibility initiatives. It provides numerous learning and development opportunities and encourage innovation.

- **Which location on campus did you find most conducive for studying, and did you have any preferred off-campus study spots?**

I have spent most of time doing last minute revisions in the library or classrooms. I would prefer the library since I like it to be quiet when I use to study.

- **What advice would you like to offer current VESIT students to enhance their performance during the placement process?**

Practice is the key. Attempt aptitude tests online regularly, conduct and participate in mock interviews, understand your strengths and weaknesses, keep yourself motivated throughout.



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