



Vidya Vikas Education Trust's

Universal College of Engineering

Near Bhajansons and Punyadham, Kaman Bhiwandi Road, Vasai, Palghar-401208.

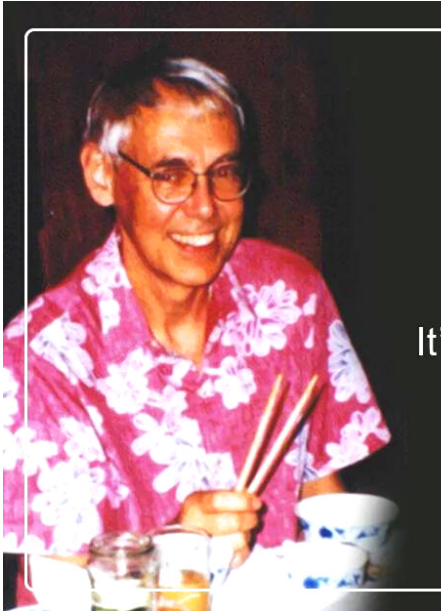
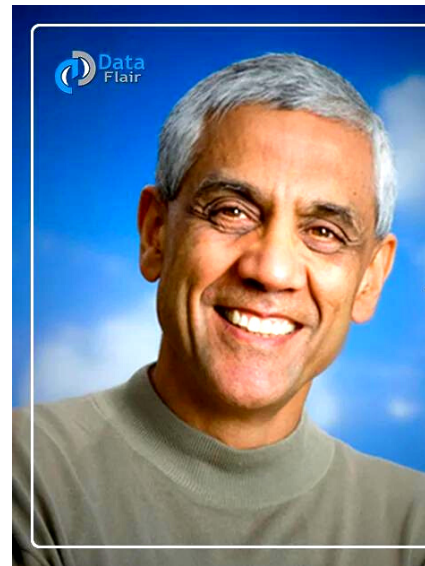
(Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)

Accredited with B+ Grade by NAAC | A Gujarati Linguistic Minority Institution

**Department of Computer Engineering with specialization in
Data Engineering**

Data Is Plural

*"Big Data Will Replace the
need for 80% of all doctors
-- VINOD KHOSLA*



*"Its eay to lie with statistics Its hard to
tell the turth without statistics"
--Thomas Davenport*

APRIL NEWSLETTER

2021
VOLUME 1

*Designed by
Khushal Ghathalia
Prepared by
Mrs. Vishakha Shelke*

Contact Us databuzz21@gmail.com

VISION

To build a learning and research environment in the field of Data Engineering that promotes learning towards betterment of the society.

Mission

To provide an academic environment for the development of profession in the field of Data Engineering.

To educate students in technology competencies by providing professionally committed faculty and staff.

To inculcate ethical values and leadership abilities in the students to work towards the progress of the society.

AREA OF STUDY IN DATA ENGINEERING

- *Introduction to Data Engineering*
- *Basic Language Requirement: Python*
- *Solid Knowledge of Operating Systems*
- *In-Depth Database Knowledge – SQL and NoSQL*
- *Data Warehousing – Hadoop, MapReduce, HIVE, PIG, Apache Spark, Kafka*
- *Basic Machine Learning Familiarity*



AURORA 2K22

Universal College have organized sports and cultural events AURORA 2K22 from 19 th April 2022 to 25 th April 2022. Campus director Dr. J.B.Patil, Chief guest Dr. Sonali Vanamali grace the prize distribution ceremony.

Dr Sonali Vanamali. Dentist by profession and Winner of Elite Mrs. Queen of the world 2021 spread awareness about gender equality and protecting girl child in her speech, she appreciated participation of girls in sports activities, women empowerment in UCoE . Many cultural and sports events were conducted in Aurora 2K22, This time new event was introduced "Departmental Parade" where all departments of UCoE and UCoA represented their teams.

The BE Computer Div A , won the battle of shield for academic Year 2021-22.





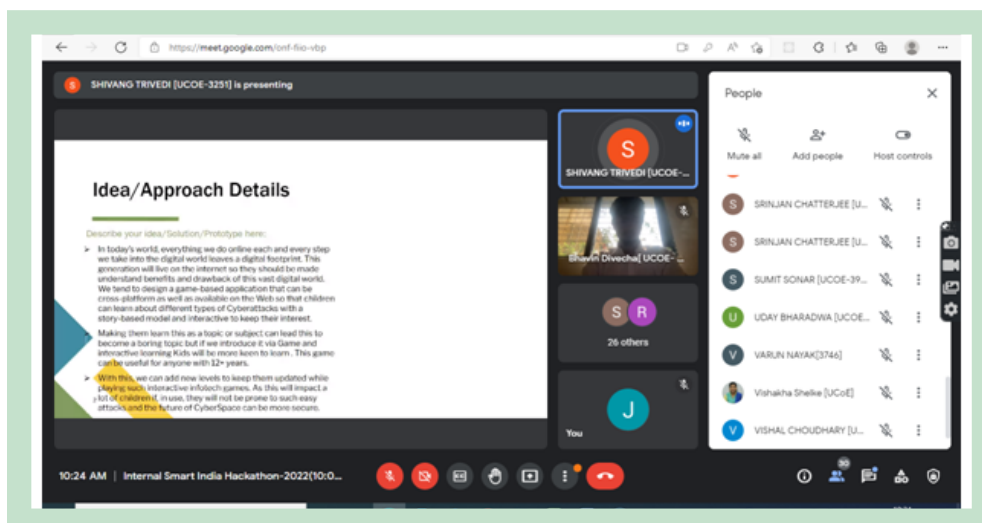
Internal Hackathon-SIH 2022

Internal Hackathon SIH-2022 was held in "Universal College of Engineering" on the 27 th of March-2022 in online mode. Mr. John Kenny is SPOC for SIH 2022. Dr. Jitendra Saturwar, Professor, Head of Computer Engineering and Mrs. Vishakha Shelke, Head of Data Engineering were internal faculty panel members for Internal hackathon 2022. Total 15 teams participated in the "Internal hackathon SIH-2022". Three judges were invited from the industry to judge the student presentations. Mr.Mangesh Shelke, Mr. SagarTrivedi and Mr. Krishnat Molawade were invited to judge the students. All the registered students presented their power point presentationsbased on the problem statements.

The criteria of evaluation was based on

1. Novelty of the idea-10 marks
2. Feasibility and practicability-10 marks
3. Sustainability and scale of impact-10 marks
4. User experience and potential future work progression-10 marks

The below are the various pictures of online presentations done by the students





IBM Edunet

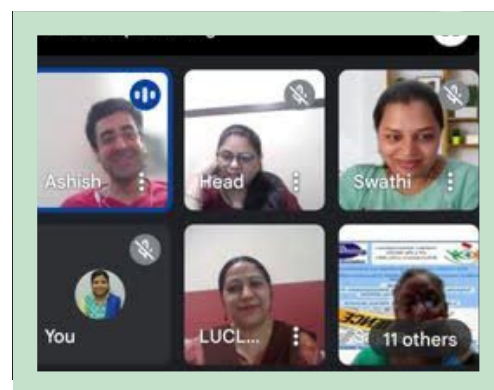
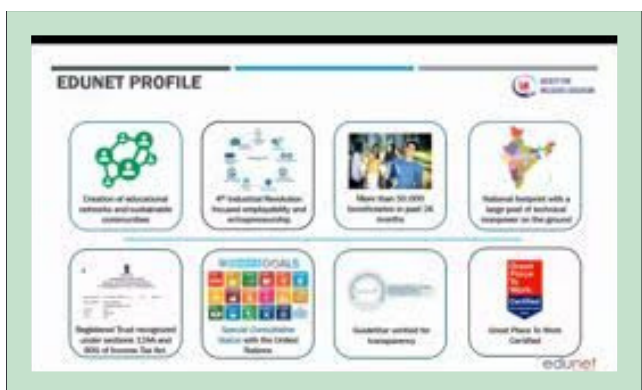
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Virtual meet on “IBM SkillsBuild Program” By Edunet Foundation

Date - 31 st March 2022

Universal education group conducted virtual meet on IBM SkillsBuild Program. Representatives from various colleges of universal education group attended the meeting. Campus director Dr. J.B Patil, Dr. Jitendra Saturwar, Professor, Head of Computer Engineering , Dr. Yogita Mane, Head of IT dept, Mrs. Hezal Lopes, Head of AIML dept and Mrs. Vishakha Shelke, Head of Data Engineering attended the meeting.

Mr. Ashish Arora and Ms. Swathi Kallesh from IBM Edunet program elaborated about the self learning portal of Edunet program and courses offered by IBM. IBM SkillsBuild is a free digital platform that gives every student and teacher an opportunity to develop technology and professional skills regardless of your background, education, or life experiences. It focuses on emerging technologies and provides thousands of courses with certification and badges from IBM. Mrs. Vishakha Shelke asked the query regarding project based learning support, live project development opportunities for the students available in this skills build program. Ms. Swathi Kallesh answered the query and told that IBM Edunet program provides hands-on Learning experiences – opportunities to participate in the project-based learning through innovation camps and receive mentorship and Career Pathways – opportunities to join digital work / job fairs to create pathways to industry. Mrs Vishakha Shelke is SPOC of IBM Skills Build Program for Universal College ofEngineering. She coordinated with other dept and collected students data for enrollment.





NSS Residential Camp at Nagle Village Date:25/03/2022 to 31/03/2022

NSS unit of UCoE visited the Nagle Village for residential camp. The first day began with residential cleaning activity where students cleaned the hall by forming groups. Second day started with cleanliness drive in the village where the volunteers cleaned the village by forming groups. After the cleanliness drive, the volunteers conducted Smart Digital India Campaign. The people were taught how to use Digi-Locker, Mahavitrans App and Ola/Uber Apps. Third day began with a session conducted by Ex-NSS Volunteers where they shared their experiences and gave us some suggestions regarding the activities to be conducted during the camp. The day was concluded by spreading awareness about the Importance of Books. Fourth day was started by doing Yoga and Meditation.

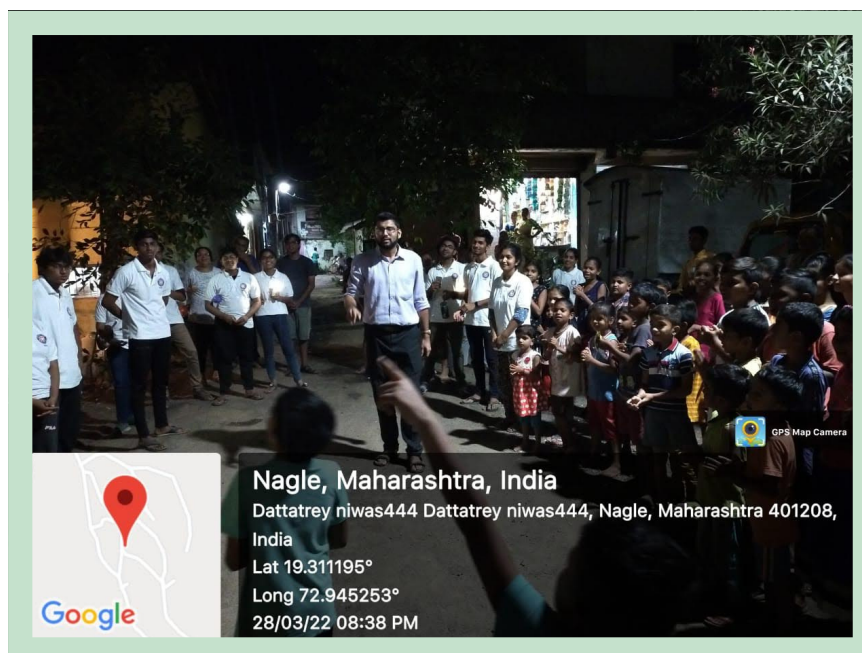




NSS Camp

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The volunteers conducted session in the school which taught the children various different good habits they must include in their lives in order to lead a happy and healthy life.. Fifth day consisted of three activities, the first one being a school session which taught the children about Good Touch and Bad Touch by Dr. Sonal Borse. Sixth day began with a fun session for children in the school. Mrs.Hezal Lopes taken the session on "Importance of reading and positive attitude to achieve success", Mrs. Silviya D'monte conducted session for government school on "Good habits and Health". Seventh day was all about packing up and cleaning the hall where the volunteers lived and leaving the place in a clean condition. Before leaving the place, a small session was conducted by some villagers where they appreciated UCoE students for the social service and shared some words of wisdom.





VYRO 2k22

1st April-2022

Universal College have organized national level techfest VYRO 2K22 on 1 st April 2022. Students from various colleges participate in technical and fun events . Campus director Dr J.B.Patil, Chief guest Dr. Aarti Suryawanshi, event head Dr. Masiyuddin Khan, Student Chairperson Chandan Jaiswal, and Shreya Patil inaugurated event. Total 2371 students participants in this event.

Dr. Aarti Suryawanshi is a psychological and life coach, consultant, researcher and EQ trainer with deep commitment to mindfulness. She motivated UCoE students and appreciated the event management done by students. Campus director addressed the participants and advised students to visit e-Yantra Lab, geological lab and Energy transformania event. FE students exhibited the shows of "Energy Transformania". This event was based on concept of contraption. The project has helped students to combine their creativity with fundamentals of Physics and Mechanics to create a Mechanical System. The Event was concluded with band performance and talent hunt search for participant of othercollege.





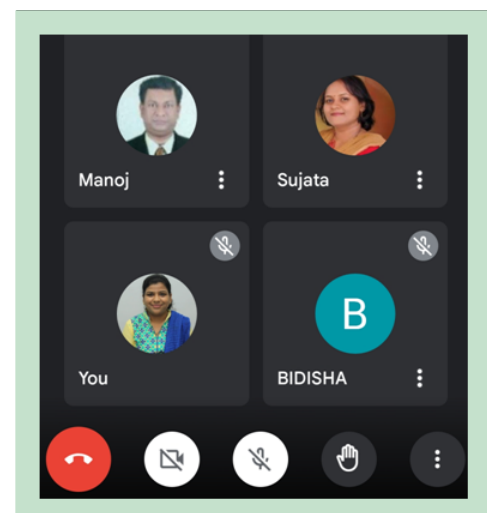
Faculty Contribution

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As per the directives of Board of Studies, Computer Engineering, University of Mumbai, for the revision of syllabus, Mrs. Vishakha Shelke, Head of Data Engineering department have been appointed as member for Semester VII and VIII (R-2019 ; Scheme) for following Courses

1. CSC702-. Big Data Analytics
2. CSL702- Big Data Analytics Lab
3. CSC801- Distributed Computing
4. CSL801 - Distributed Computing Lab
5. CSDO802- Social Media Analytics(SMA)
6. CSLO802- Social Media Analytics (SMAL) Lab

She attended the syllabus revision online meetings of Social Media Analytics and Big data analytics on Saturday, 11 th March 2022 at 3 pm and Thursday 17 th March 2022 at 4:15 pm, and Distributed Computing on Saturday, 26 th March 2022 from 10.30 am to 12:30 am





Faculty Publication

Mrs. Vishakha Shelke , Head of Data Engineering department guided BE Majorproject titled "Virtual Ally: UCoE Campus Navigation System using Tableau". Their research paper appraised by the proficient team and accepted by the Board of Referees (BoR) of 'IJCERT PUBLICATIONS' for publication in the 'International Journal of Computer Engineering in Research Trends (IJCERT).

Review Comments

This is an exciting study, and the authors propose entitled "Virtual Ally: Campus Navigation System using Tableau ". The paper is focused on developing a system that can provide an optimal navigation solution by displaying the quickest path, which will help students, employees, and visitors in terms of location -search and route -planning conceptually its very good and generally well written and structured. The paper seeks data storage and access are major key steps in the process.

Project title: Virtual Ally: UCoE Campus Navigation System using Tableau

Project Member: Janvi Shree Shrimal, Pragati Tiwari, Pallavi Pawar

Project Guide: Mrs. Vishakha Shelke





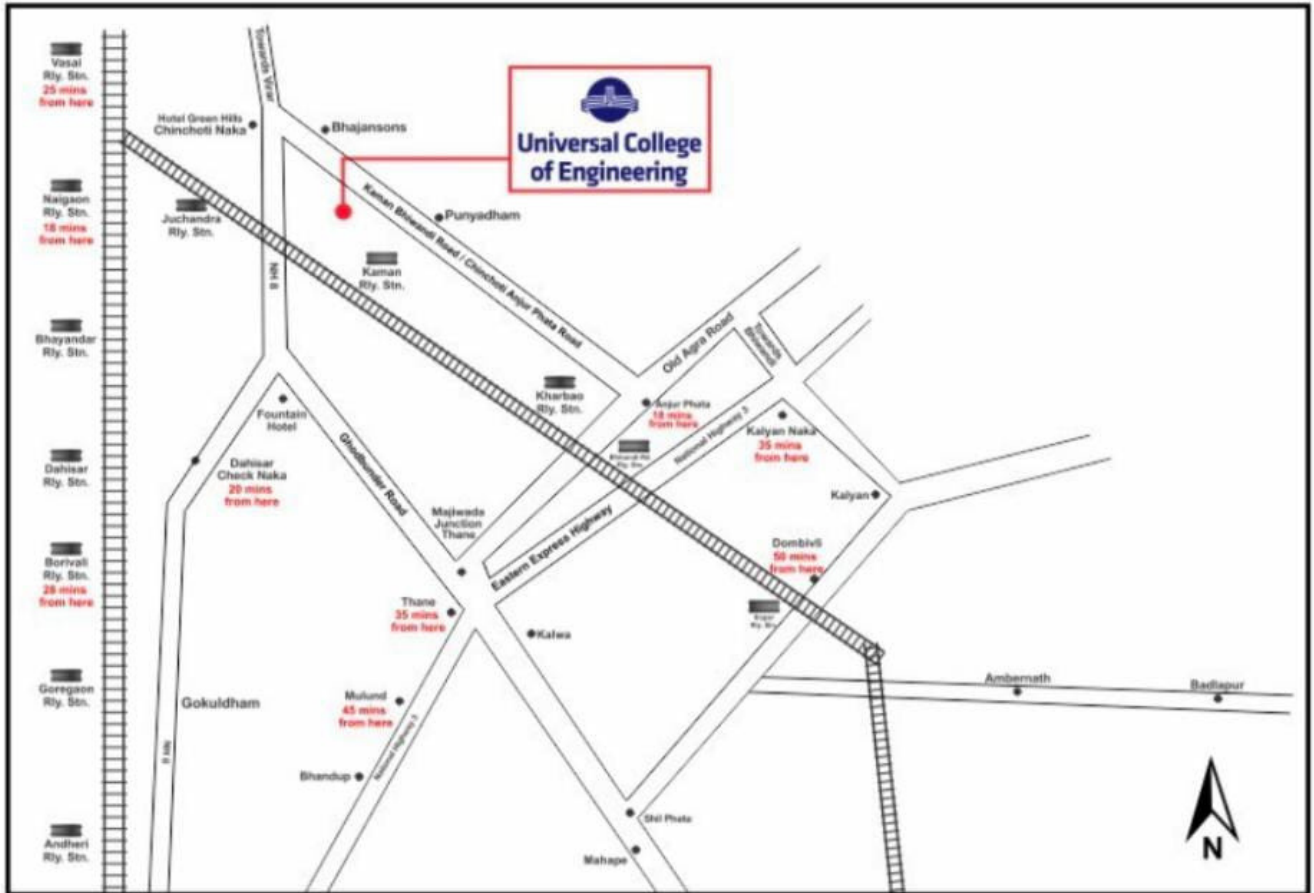
Upcoming Cloud Ready program

The Google CloudReady Facilitator program will provide you an opportunity to kickstart your career in cloud and get hands on practice on Google Cloud - the tool that powers apps like Google Search, Gmail and YouTube. Along the way, you will learn & practice concepts like computing, application development, big data & machine learning using cloud & if you get stuck, you will have your "Facilitators" who are specially trained on Google Cloud to help. There are a lot of things in store for you. We want to make sure that by the end of this program: 1. You can showcase what you've learned here to your professional network using Google Cloud-hosted quest & skill badges that you can add to your resume and professional profiles like LinkedIn.

2. And on top of these amazing badges, get a chance to win some really cool Google Cloud goodies*.

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