



UNIVERSAL

Vidya Vikas Education Trust's

# Universal College of Engineering

Approved by AICTE, DTE, Maharashtra State Government and Affiliated to University of Mumbai

Accredited with 'B+' grade by NAAC | Recognised as Linguistic (Gujarati) Minority Institution

Vol 04 Edition 3  
Sep 2021

# Coffee & Code ;

An Initiative by the Department of Computer Engineering

## VISION

To be recognized as a department that provides quality technical education and research opportunities that eventually caters to helping and serving the community.

## MISSION

- To groom the students to participate in curricular and co-curricular activities by providing efficient resources.
- To motivate the students to solve real world problems to help the society grow.
- To provide a learning ambience to enhance innovations, team spirit and leadership qualities for students.

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## Prepared by:

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MRS. HEZAL LOPES

In Association with



(Computer Engineering Student Association)

# JUNIOR VYRO 2k21

Universal College of Engineering held an intercollegiate technical coding competition called Junior Vyro on the 7th of September 2021. Students from various diploma colleges participated in the Web/App development event which is a one day coding competition to solve real life problems.

Events were based on machine learning and Web/App development. The machine learning problems include House price prediction using various real datasets. Web/App development problems include designing of a dynamic website for Training and placement for any college.

Students used various technologies to solve these problems and showcased their skills. The inauguration ceremony was presided by our Campus Director, Dr.Jitendra B. Patil, Head of the Departments and all the faculty members. Two judging rounds were conducted and the students were given feedback based on which the students developed Dynamic Websites.

**DTE CODE: 3460**

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Department of Computer Engineering, Information Technology, Artificial Intelligence & Machine Learning and Data Engineering

**JUNIOR VYRO - A TECHNICAL CODING COMPETITION**

**COMPETITION CATEGORIES**

**FINAL YEAR APPEARED DIPLOMA STUDENTS**

1. Web Site/App development
2. Machine Learning Solutions

Registration Link: [bit.ly/JrVyroJuniorClg2k21](https://bit.ly/JrVyroJuniorClg2k21)

**FOR JUNIOR COLLEGE STUDENTS**

- 1) No code App Development (Using any No-Code technology)
- 2) Website / Web App Development

Registration Link: [bit.ly/JrVyroDiploma2k21](https://bit.ly/JrVyroDiploma2k21)

LAST DATE FOR REGISTRATION: 26th August 2021

Attractive prizes to be won including free Udeemy Courses

DATE OF EVENT: 27TH AUGUST 2021  
TIME: 10AM- 6PM

**FREE ENTRY**

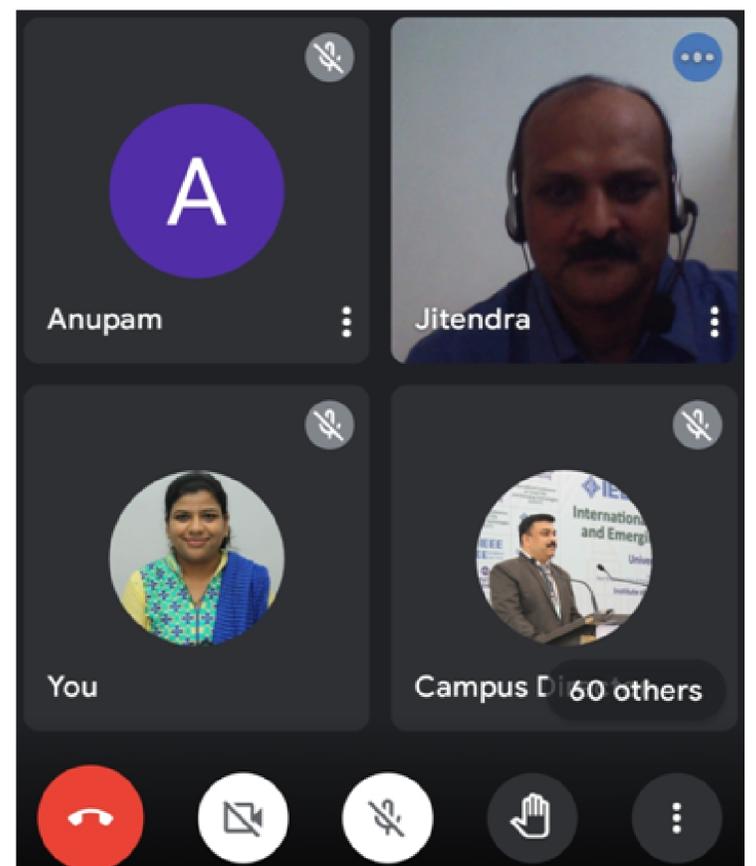
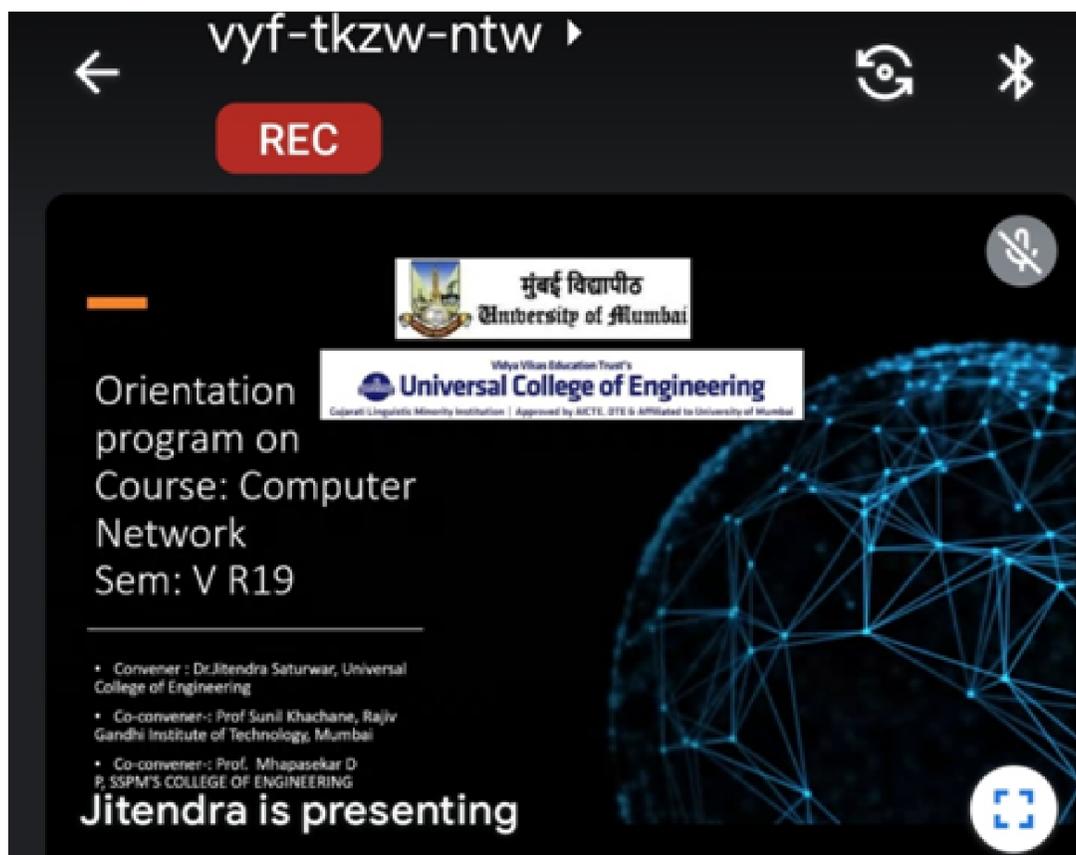
# Subject orientation program on “Computer Network SemV R 19”



The Orientation Program for the Computer Network (CSC503) was conducted online on behalf of Mumbai University by Dr. Jitendra Saturwar, Head of Computer Department, Universal College of Engineering on 7th July 2021 from 11:00 a.m. to 12:30 p.m. It was attended by the 71 representatives from different colleges affiliated to Mumbai University.

Dr. Jitendra Saturwar began the session by explaining the course objectives and outcomes as specified in the syllabus. The course objectives were discussed with all the faculties. Further, Co-convener Dr. Darshan Mhapsekar recommended various reference books for delivering the lectures effectively and also discussed major topics from syllabus. Later, Co-convener Dr. Sunil Khachane gave brief about the lab experiments to be conducted and asked faculties to demonstrate the theory concepts with practical sessions.

Dr. Jitendra Saturwar also demonstrated the project by showing networking essentials and configuration for College Lab application where concepts of Computer network connecting devices like switch, hub, lab, topology is implemented in lab design. Dr. Jitendra Saturwar concluded the meeting by thanking all expert panels and participating members for their presence.



# Webinar on "Web Designing and Mobile Development"

Webinar on "Web Designing and Mobile Development" was conducted on 28th Aug 2021, from 11 AM to 1 PM by the Computer Department of "Universal College of Engineering" in association with Maharashtra Association of Minority Educational Institutions in collaboration with its technical education partners.

Mr. Vineet Kapoor conducted the session who is a senior Software Engineer at Accenture Solution pvt ltd. Total 135 students from SE Comps attended the session. This webinar is divided into two sessions. The first sessions was based on "Web Development" which covered all the basics of Web Development such as what is Website/Web Application, Web development Environment/Tools, What is HTML and CSS?, What is Javascript?, What is Git/GitHub? and other such related content.

The next session was based on "Mobile Development" that covered topics such as What is APP?, Native vs Hybrid app?, Native App Environment and Language, Hybrid App Environment and Language, Android vs IOS App Development, What is Api? What is Database?, SQL vs No Sql, Best Databases in the Market, etc. The webinar ended with question answer session and was very useful for their mini projects and further research work.



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**Webinar on Web designing and Android development**

**Speaker : Mr. Vineet Kapoor**  
Senior software Engineer,  
Accenture Solution pvt Ltd, Mumbai

**Program Coordinator**  
Prof. Ashraf Siddiqui

**Conveners**

Dr. Jitendra Saturwar  
HoD Computer Department

Dr. Ekta Upadhyay  
HoD AIML and DE Department

**Patron**  
Dr. J. B. Patil, Campus Director UCOE

Recording Link: [https://drive.google.com/file/d/1eKQ2hdWVnzFuyKt6D9j6yFKuZnTaNI\\_r/view](https://drive.google.com/file/d/1eKQ2hdWVnzFuyKt6D9j6yFKuZnTaNI_r/view)

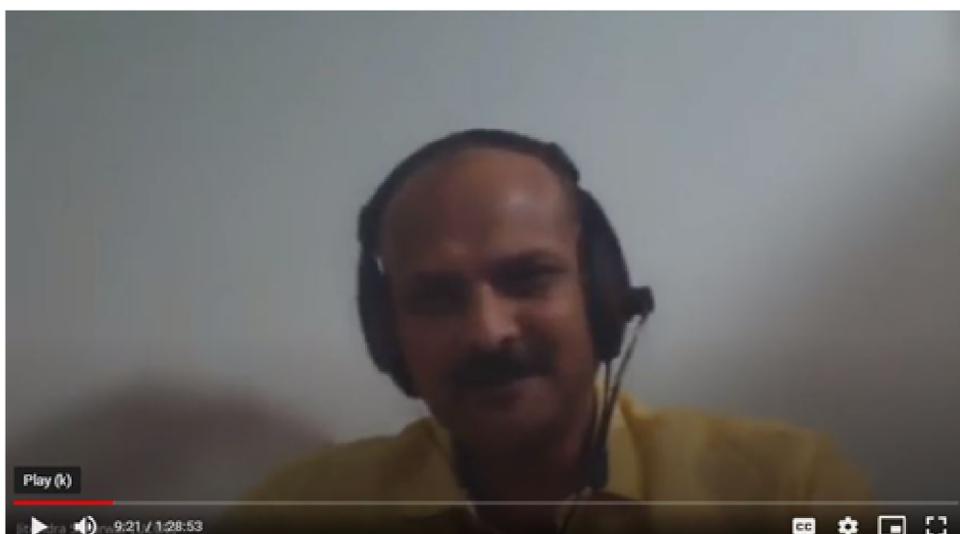
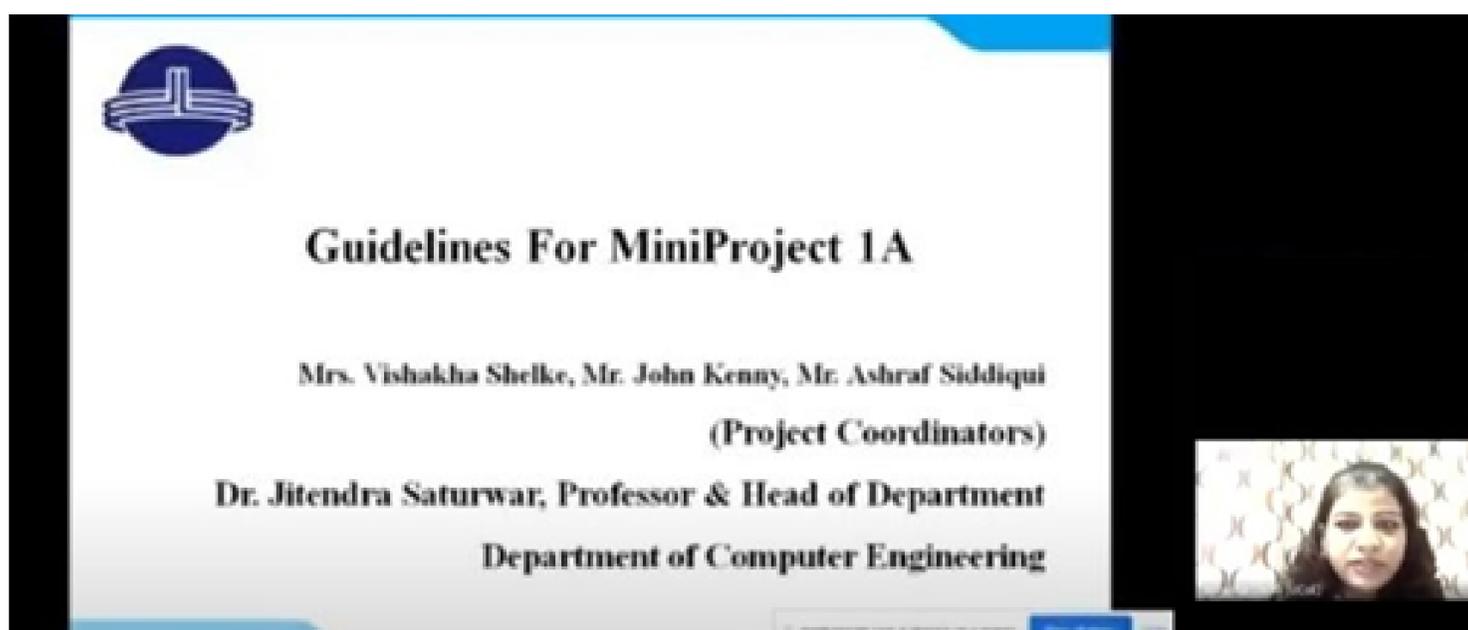
# Webinar on “Subject orientation of Mini Project 1A”

Department of Computer engineering conducted a webinar on “Subject orientation of MiniProject 1A” work for second year comp/AIML and DE students on 1st September 2021 from 2.40 to 4 pm, Total 115 students from SE Comps attended the session. Mrs. Vishakha Shelke, Project coordinator delivered the session under the guidance of Dr. Jitendra Saturwar, Head of computer engineering department.

Mr. Ashraf Siddiqui, SE Miniproject coordinator started with the agenda and introduction to Miniproject 1A. Dr. Jitendra Saturwar, guided students about importance of the project in curriculum. He also guided students regarding selection of topics and what kind of project work is expected from Second year students.

The session was continued by Mrs. Vishakha Shelke who gave brief information about guidelines of Miniproject 1 A, course outcomes, assessment, evaluation criteria and selection of project topic. Some of the sample projects completed by last year students under project based learning initiative were demonstrated to students. She also explained how students can plan the project work in semester 3 and 4.

The webinar ended with question answer session and was very helpful for students in initiating their mini project work in current semester.



Recording Link: [https://drive.google.com/file/d/1Y2SGIoXg1ldpl\\_M-0uHgxyzkUJkEKkvlc/view](https://drive.google.com/file/d/1Y2SGIoXg1ldpl_M-0uHgxyzkUJkEKkvlc/view)

## Student Achievement



Our students **Ms. Shubham Shirke**, **Ms. Khushboo Gogri**, and **Mr. Kashish Patel**, published their BE project paper, "DEPRESSSCAPE: DEPRESSION MONITORING THROUGH SOCIAL MEDIA", at International Conference on Smart Data Intelligence organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu, India under the guidance of **Mrs. Vishakha Shelke**.

Their Paper was recently listed on SSRN's-Elsevier, Top Ten download list for: CommRN: Communication & Computational Linguistics (Topic).



Mr. Shubham Shirke



Ms. Khushboo Gogri



Mr. Kashish Patel



Mrs. Vishakha Shelke(Guide)

# CONGRATULATIONS

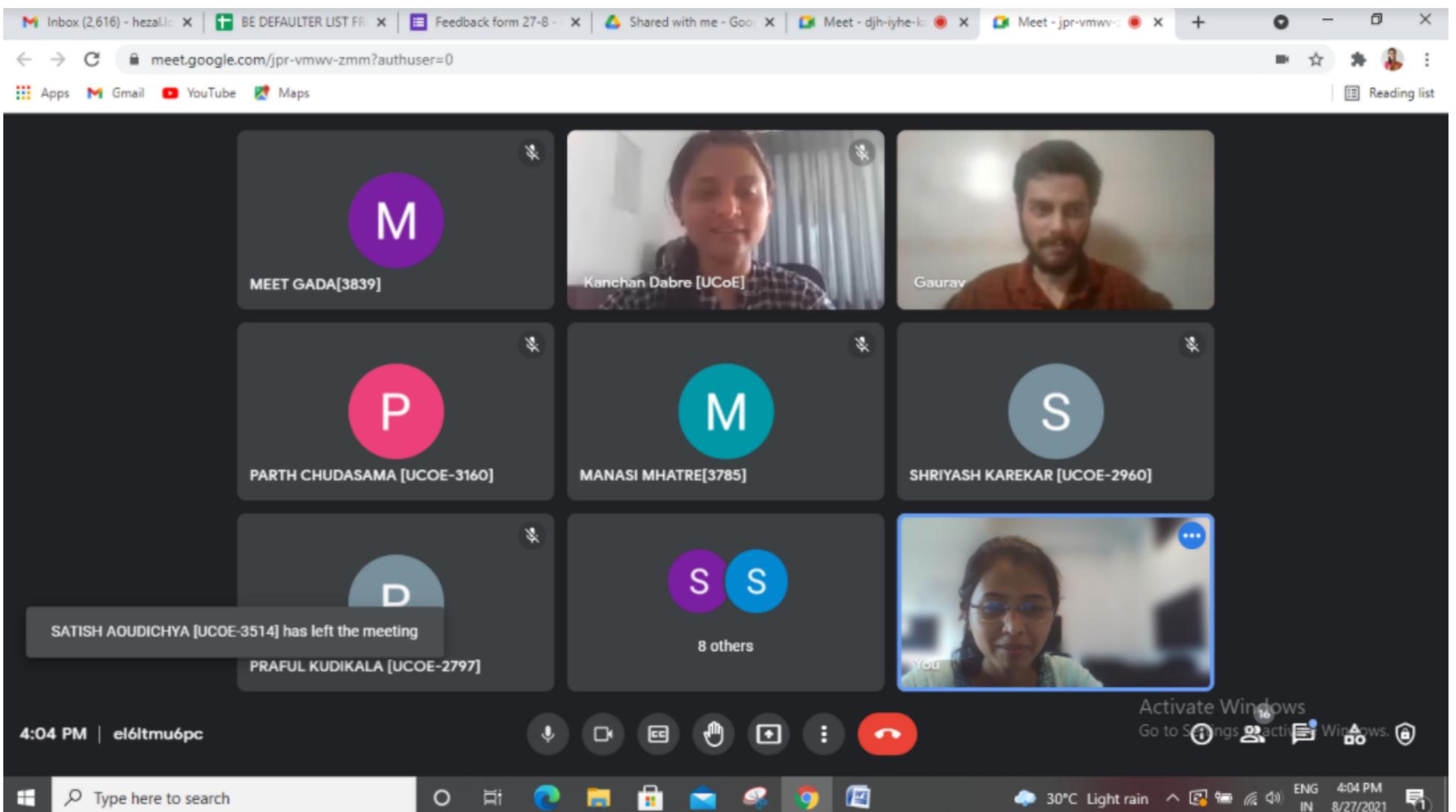
# Webinar on "Guidance for TCS interview Preparation"

The Department of computer engineering in association with CESA has conducted a webinar on "Guidance for TCS interview Preparation" by Mr. Gaurav Jadhav.

Mr. Gaurav Jadhav is an Alumni of UCoE and currently working in TCS as a developer for the last 2 years. A webinar was organized for the third-year Computer Engineering students on Friday 27th August 2021 from 3:30 to 4:30 PM. More than 50 students attended the session.

Gaurav started his session with the Registration process, test pattern followed by Interview questions. Students have to register themselves on the TCS portal before the last date of registration. In the aptitude test questions will be from Numerical ability, Verbal ability, Reasoning ability, Programming logic, and hands-on coding.

Further, he also explained which books and websites he had referred to for preparation, then he discussed a few interview questions and answers for the same.



# Webinar on "Automation Testing using Selenium"

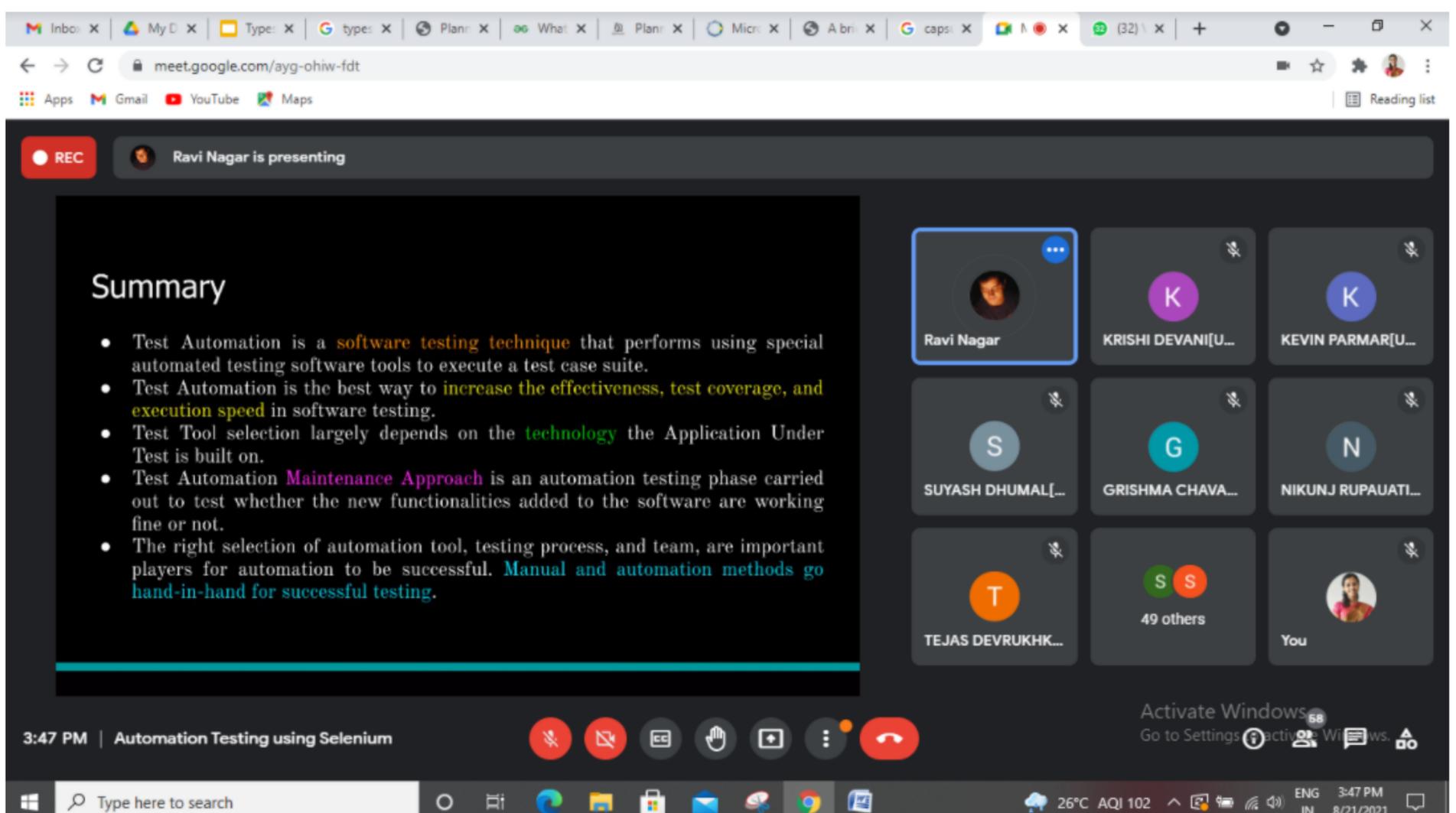
The Department of computer engineering in association with CESA has conducted a webinar on "Automation Testing using Selenium" by Mr. Ravi Nagar.

Mr. Ravi Nagar currently working as an Automation Engineer at Lodestone Software Services, Ahmedabad. He has handled many US clients and Currently working on a US project as SDET automation tester.

This webinar was organized for the third-year computer engineering students on Saturday 21st August 2021 from 2:00 to 4:00 PM. More than 50 students attended the session. The Speaker had covered topics such as "What is testing", "Different types of testing", and "Automation Testing using Selenium". Automation testing reduces testing efforts, deliver result faster and also it is affordable. so nowadays all industries are going for automation. the main reason behind automation testing is it helps in building better quality software with less effort.

Selenium is the most popularly used freeware and open source automation tool. The benefits of Selenium for Test Automation are immense. Importantly, it enables recording and playback for testing web applications and can run multiple scripts across various browsers.

The Selenium testing tool is used to automate tests across browsers for web applications. It's used to ensure high-quality web applications – whether they are responsive, progressive, or regular. Selenium is an open-source tool. At the end also discussed what are job opportunities available after completing the course in testing. SO you can become a Quality analyst, Test Analyst, Software test manager. The session was very much fruitful for students.



# Which programming language is on top in 2021? It's Python, says the IEEE

The Institute of Electrical and Electronics Engineers Spectrum magazine has released its annual list of the top programming languages, which special projects editor, Stephen Cass, sums up with two words: "Learn Python."

Cass, in a blog post covering the list's publication, said Python continues to dominate the annual list, making the biggest takeaway that developers should take some time to learn Python. "You don't have to become a dyed-in-the-wool Pythonista, but learning the language well enough to use one of the vast numbers of libraries written for it is probably worth your time," Cass said.

That vast number of libraries makes Python a powerful language with a variety of uses, from controlling embedded projects to large-scale AI implementations. "But Python has its limits, as the continued popularity of languages better suited to solving particular problems, such as R (#7), SQL (#15), and Matlab (#12), shows. C (#3), C++ (#4), Java (#2), and JavaScript (#5) also continue to dominate at the top of the rankings," Cass said.

Those other languages also continue to do well because of their large bases of existing code as well as individual merits, like being "as close to the metal as possible" in the case of assembly code.

	Jobs	Jobs, web	Jobs, mobile	Jobs, enterprise	Jobs, embedded
1	Python	Python	C	Python	Python
2	C	Java	Java	C	C
3	Java	JavaScript	C++	Java	C++
4	JavaScript	Go	C#	C++	C#
5	C++	HTML	Swift	Go	Assembly
6	Go	C#	Dart	R	Rust
7	R	PHP	Kotlin	C#	D
8	HTML	Ruby	Scala	SQL	Arduino
9	C#	Dart	D	Swift	Ada
10	SQL	Rust	Objective-C	Ruby	Verilog

Explaining how IEEE Spectrum arrives at its ratings is complicated: It gathers data from eight sources, including CareerBuilder, Google, Reddit and Twitter, and combs them for 11 different metrics. The "default" weights that don't take job openings, language types or current trends into account is how the ranks mentioned above are calculated. When filtered to account for the aforementioned additional factors, Python remains at the top of every list it's included in.

# Best Teacher of the Year in the "E-Teaching and Learning" Category

The image shows a certificate from Academisthan for the Teacher of the Year Awards 2021. The certificate is for Mr. Sridhar Chandramohan Iyer, an Assistant Professor at Universal College of Engineering, Palghar, Maharashtra. He is in the E-Teaching and Learning category, specifically the Young Teacher sub-category. He is the 1st winner. The certificate lists his specialization in Cyber Security, Deep Learning, and Data Science, and his 8.5 years of experience. It also mentions his key achievements, including being a certified ethical hacker and having over 26,000 students enrolled in his courses on Udemy. The certificate is presented by Prof. D. P. Singh, Chairman of the University Grants Commission, and Dr. Anuradha Majumdar. The certificate is framed with a gold border and a red ribbon at the bottom that says "CONGRATULATIONS!".

**ACADEMISTHAN**  
**TEACHER OF THE YEAR AWARDS 2021**  
**Category: E-TEACHING AND LEARNING**  
**Sub Category: YOUNG TEACHER**  
**1st**

**Name:** Mr. Sridhar Chandramohan Iyer  
**Designation:** Assistant Professor  
**Affiliation:** Universal College of Engineering, Palghar, MAHARASHTRA  
**Department:** Computer Engineering  
**Specialization/Areas of Research:** Cyber Security, Deep Learning, Data Science.  
**Years of Experience:** 8.5

**Key Achievements:** Certified ethical hacker; more than 26000 students enrolled in his 5 different courses on Udemy; completed 200+ hours of training and certifications in Big Data and Hadoop, Machine Learning, Deep Learning, and Data Science from esteemed institutions such as IIT Roorkee, Stanford University.

**CONGRATULATIONS!**

We are very pleased to inform you all that our Faculty, Mr. Sridhar Chandramohan Iyer has been selected as one of the winners in the **e-Teaching and Learning category** for the first-ever Academisthan Teacher Awards for 2021.

The selection work was done with a lot of diligence by the Scrutiny Committee. A separate Jury was formed for each category which then evaluated the top nominations and decided the winners in each category. This entire procedure was very meticulously done by the Esteemed Jury, Category Coordinators, Scrutiny Committee, and Zonal In-charges under the esteemed guidance of the Advisory Council and our Patrons.

Mr. Sridhar Chandramohan Iyer was felicitated on 6th September 2021, during a YouTube Live Virtual award ceremony.



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