



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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In Association with



(Computer Engineering Student Association)



Our Previous Articles

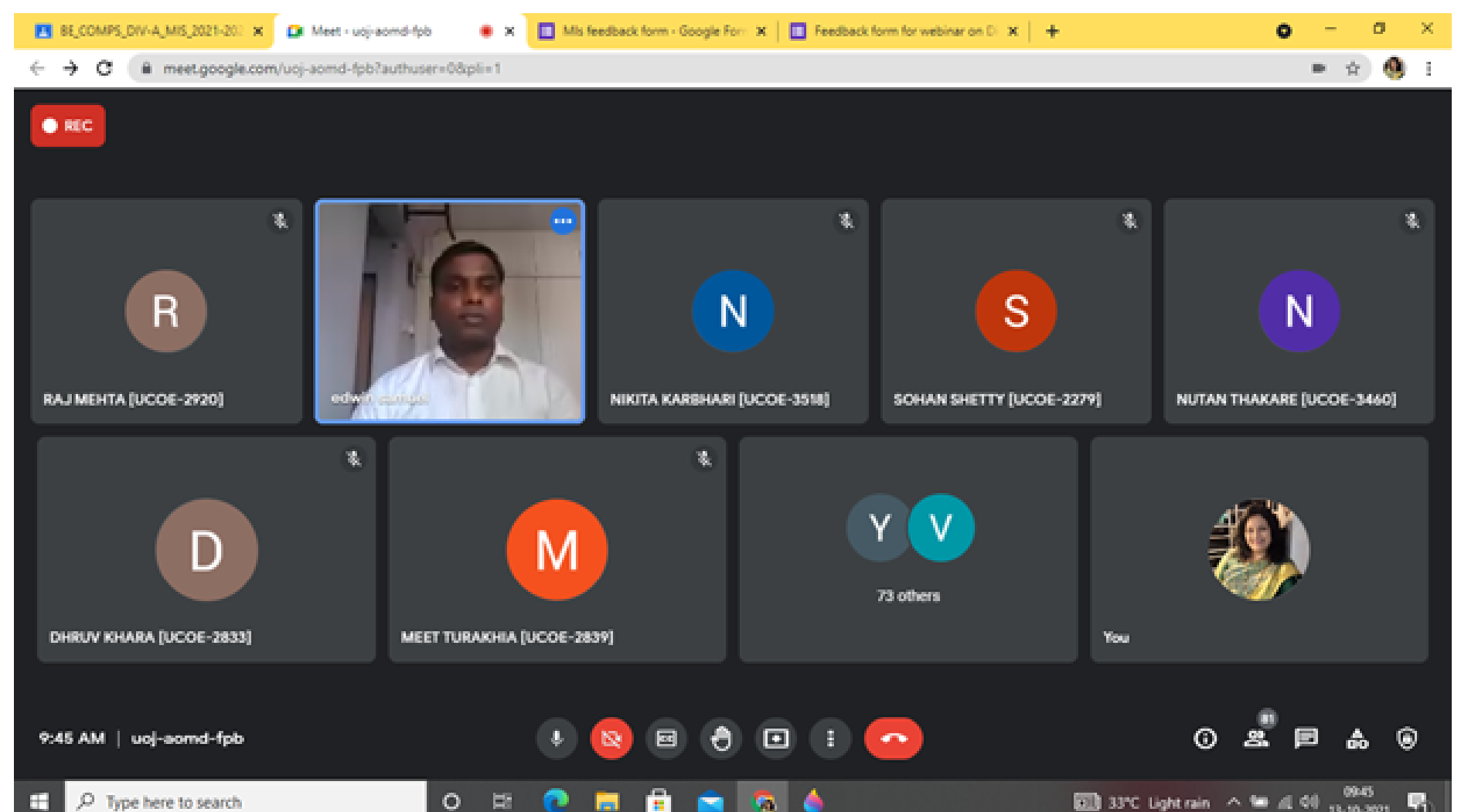
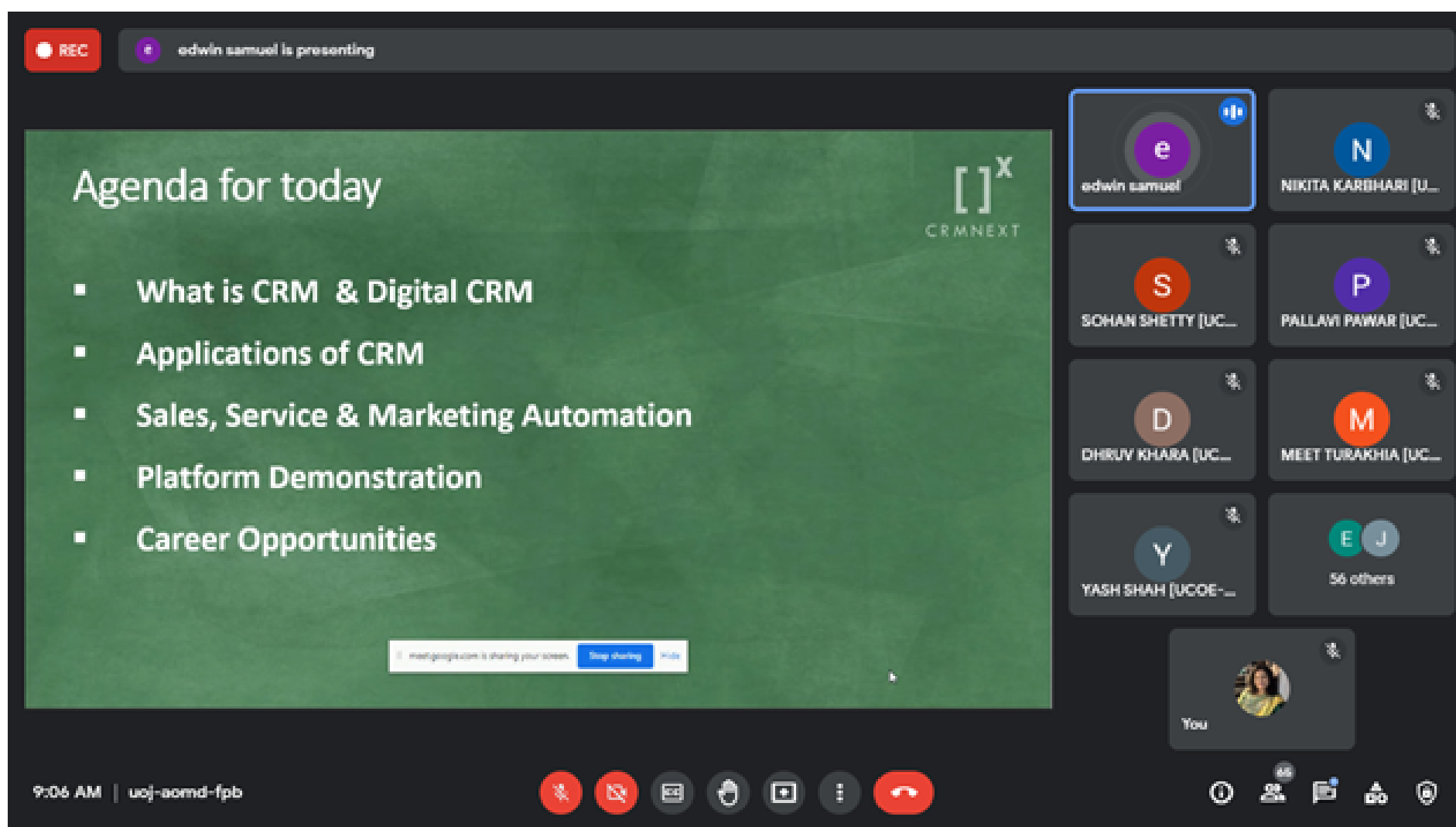
Webinar on "DIGITAL CRM-SERVICES, SALES AND MARKETING AUTOMATION"



A Webinar on "Digital CRM- Services, Sales and Marketing Automation" was conducted on 13th October 2021, from 9:00 AM to 10:30 AM 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. Edwin Samuel conducted the session who is a senior Software Manager at Deloitte, Mumbai. Total 102 students from BE Comps, IT and EXTC attended the session. This webinar is divided into two sessions. The first session was based on importance of CRM in Digital Marketing, Sales and services with digital CRM

The next session was based on Marketing Automation; Sales force CRM The webinar ended with question answer session and was very useful for complete understanding of your customers to drive your business's successors and further research work.



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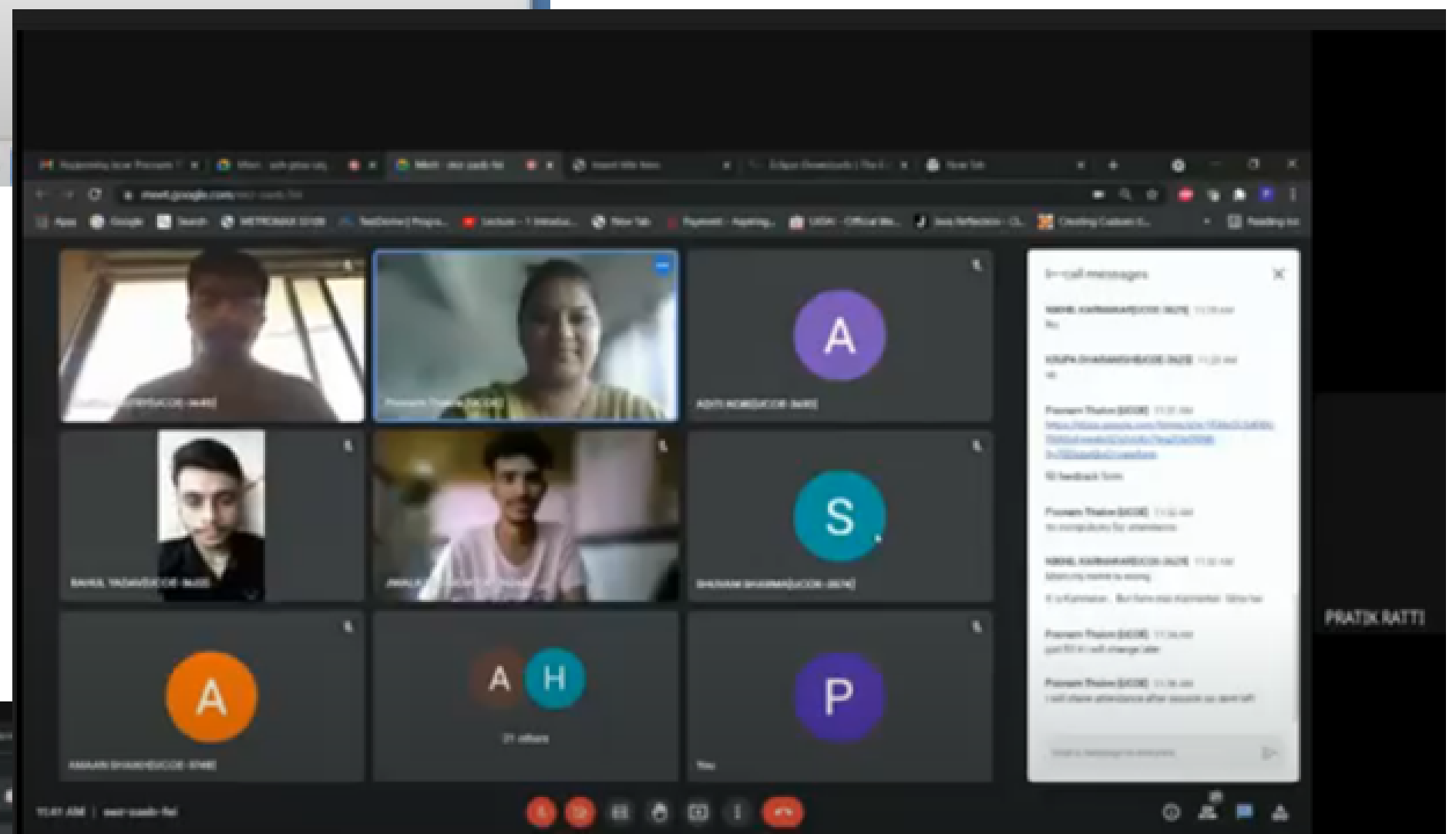
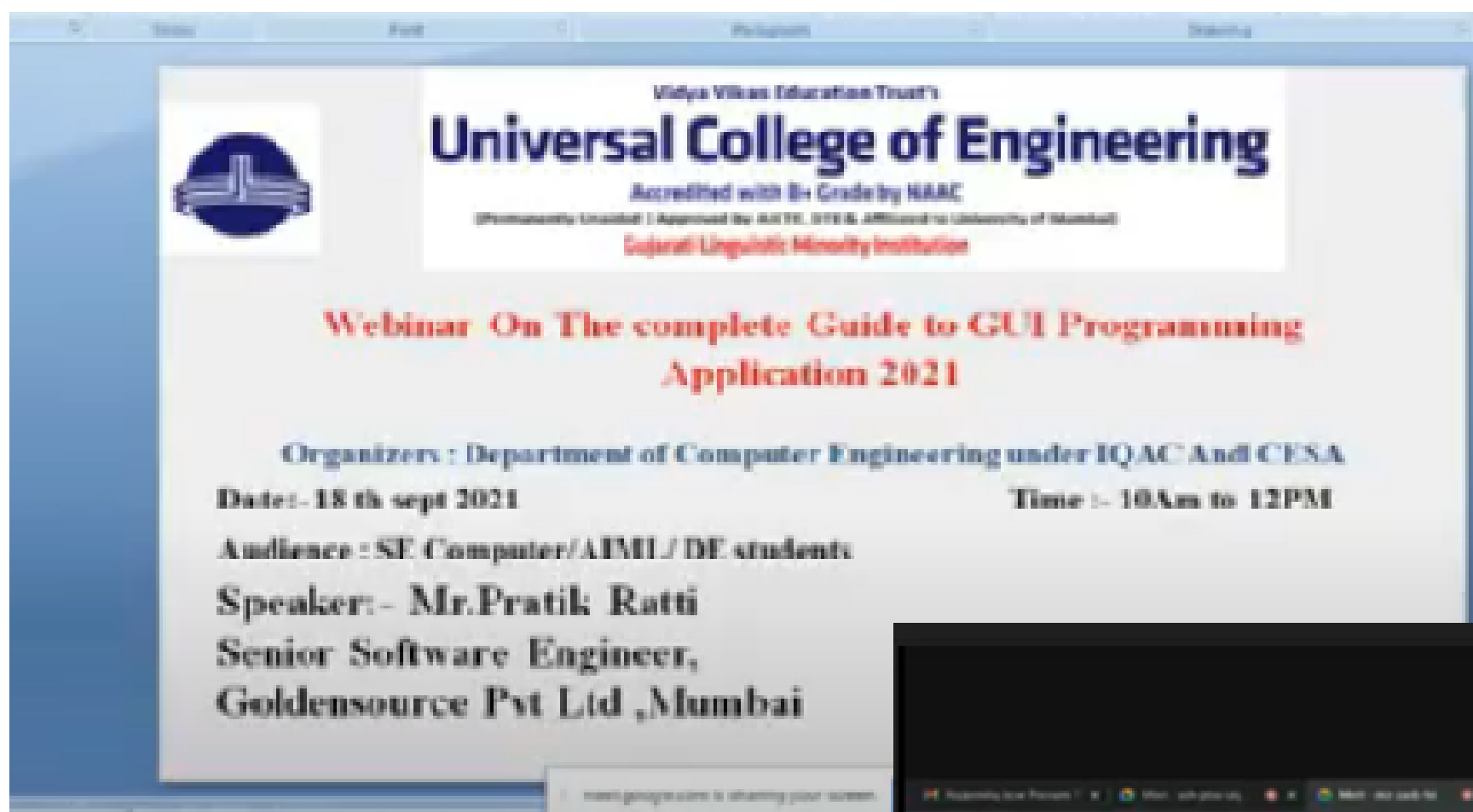
Webinar on "The Complete Guide to GUI programming Application 2021"



A Webinar on "The Complete Guide to GUI programming Application 2021" was conducted on **18th September 2021, from 10 AM to 12 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. Pratik Ratti conducted the session who is a senior Software Engineer at Goldensource pvt ltd. Total 120 students from SE Comps, AIML and DE attended the session. This webinar is divided into two sessions. The first sessions was based on **Basic Java Concepts, OOP concepts in java, Java Packages and Methods, java Exception handling.**

The next session was based on **"Applets, Java Graphics class functions, AWT controls, Introduction to JDBC, JDBC-ODBC connectivity.** The webinar ended with question answer session and was very useful for their mini projects and further research work.



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Seminar on "World of Data Science"

A Virtual Power seminar on 'World of Data Science' was arranged for SE and TE students on **09th October, 2021** in association with **ICT Academy**. The speaker of the session was **Mr. Sitaram Tadepalli**, who is Senior Data Scientist at TCS, Chennai.

Mr. Rammit Tyagi initiated the session with introduction to basic concepts of Data Science including Artificial Intelligence and machine Learning. By explaining few concepts of AIML he further gave brief idea about data and types of data such as transaction data, Experimental data etc. He also explained how AI is going through a significant hype and investment.

Mr. Rammit Tyagi continued with explaining major concepts in Data science such as Deep Learning and how it is related to Machine learning and Artificial Intelligence as well.

The session ended with vote to thanks to the speaker for delivering such a knowledgeable session which will benefit our students in their careers ahead. The seminar gave basic insights into the topic and also revealed some interesting facts.

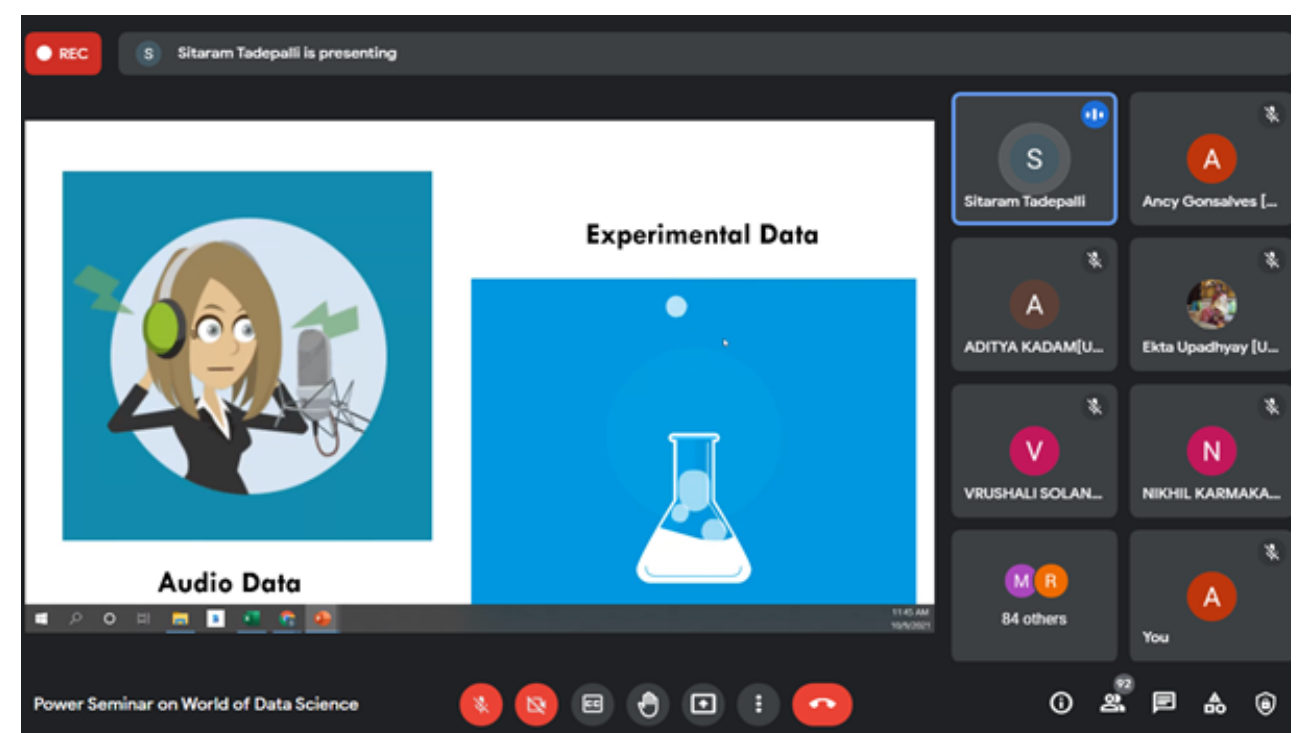
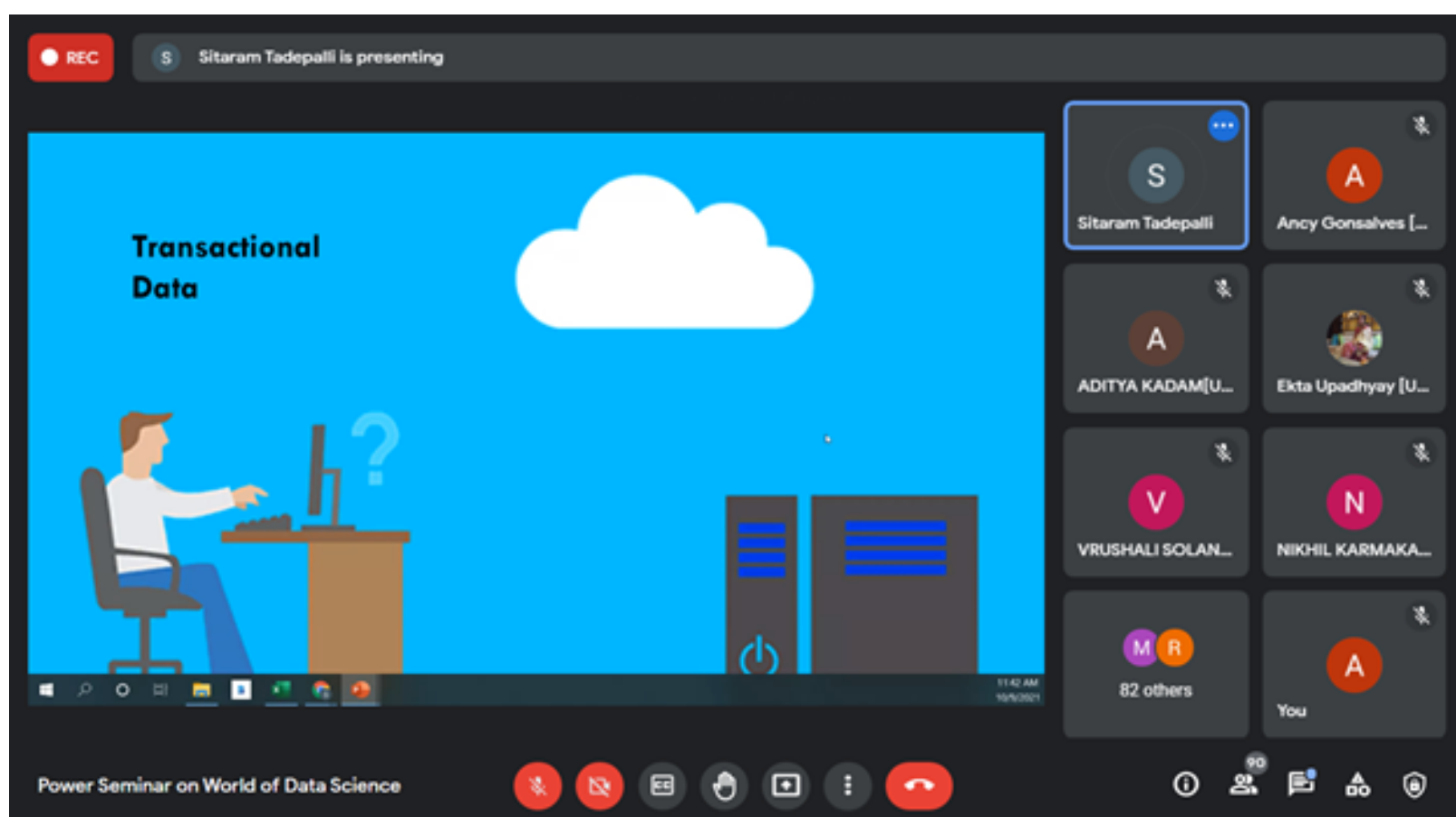
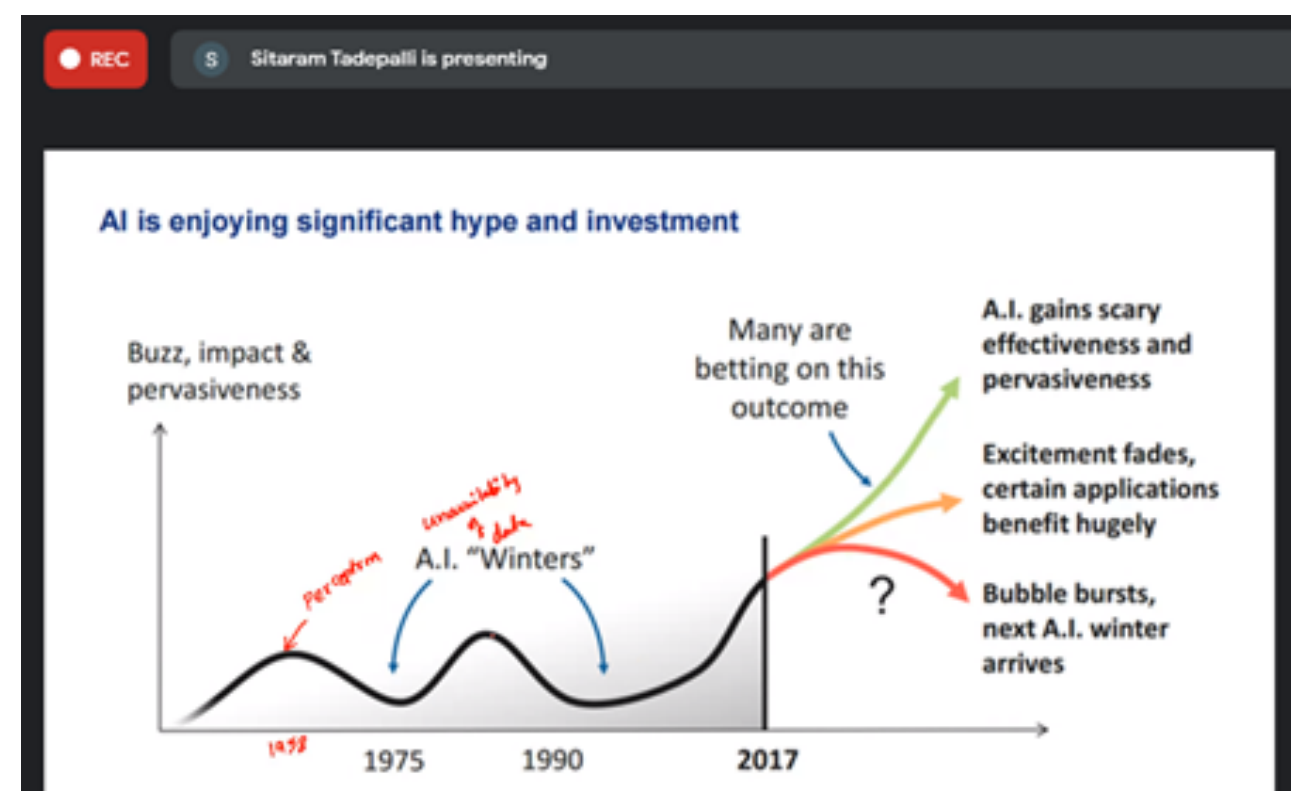
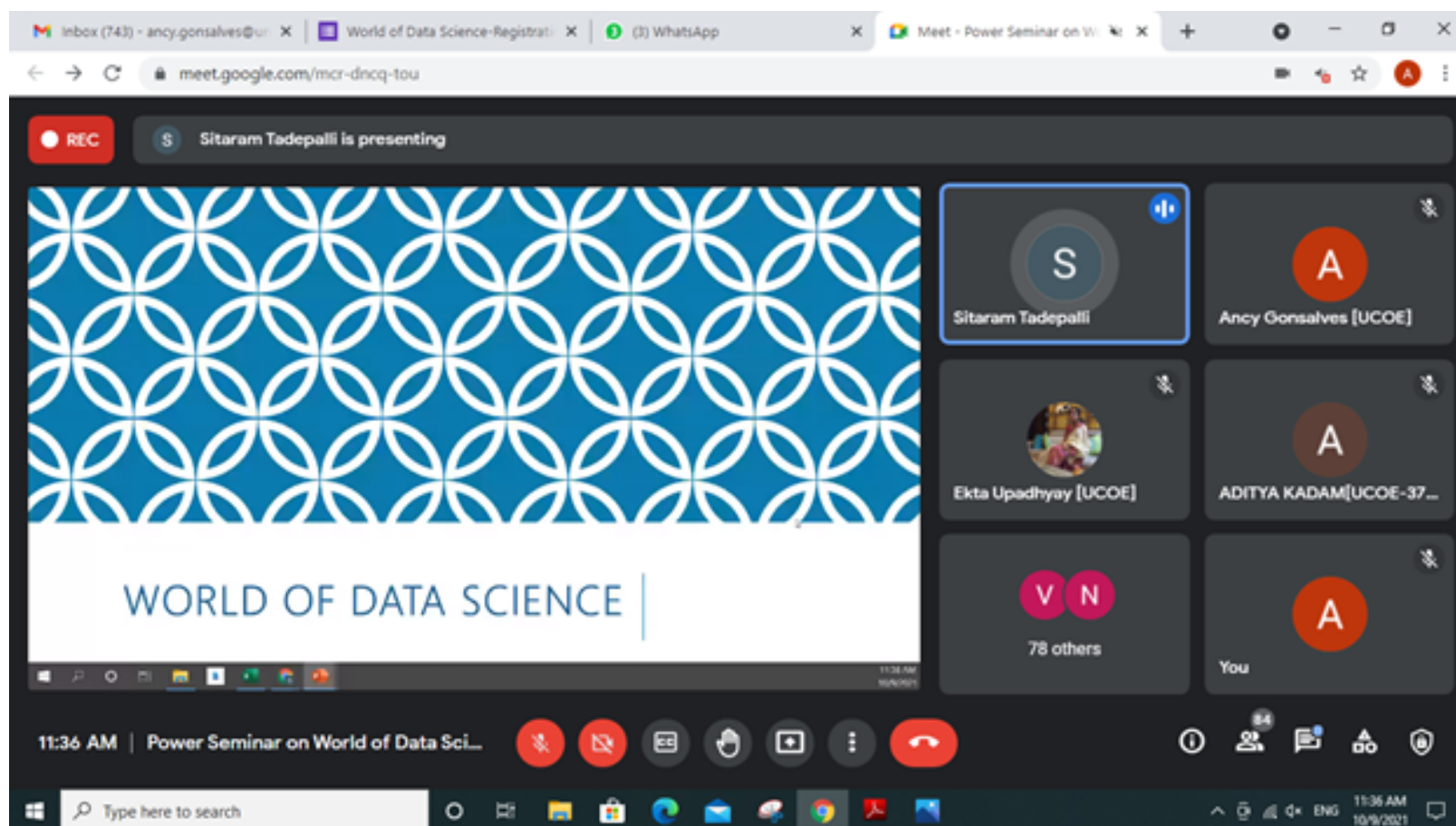
Skycampus POWER SEMINAR ICTACADEMY Edition No 1902

Virtual Power Seminar on **WORLD OF DATA SCIENCE**
09 Oct 2021- 11:30 am - 12:30 pm

Speaker
Sitaram Tadepalli
Senior Data Scientist
TATA Consultancy Services

Hosted by
Universal College of Engineering
Vidya Vihar Education Trust's
Near Bhamburda and Pimpri, Kharadi Road, Pune, Pin-411004
(Permanently Unaided & Approved by AICTE, UFE & Affiliated to University of Mumbai)
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'Ghanan ghanan' and the modern AI-equipped farmer



Indian agriculture faces multiple challenges like dependence on monsoon, heavy use of resources (like water, inorganic fertilizers and pesticides), loss of soil fertility, land degradation etc. Given that the country continues to heavily depend on agriculture contributing to the overall economic growth and employing almost 50% of the entire workforce, it is essential to improve and contribute to the sector, especially through technology.

Forward-thinking startups like SatSure, a technology-agnostic platform, come as a breath of fresh air for the sector by using satellite image analytics, cloud computing, big data and AI. In addition to mechanizing agriculture, they also serve the banking and insurance sector, aviation and defence domains and add predictive analysis to climate change.

The plight of the modern farmer:

The population is soaring and with a high dependency on the agricultural sector, we are and might continue facing a crisis. Some of the major challenges faced by the sector are as follows:

- Despite having 300+ active Earth-imaging satellites, the optical satellite imagery lacks affordability and visibility. The revisit time is high and cloud covers reduce the area available for analysis and monitoring
- SAR(Specific Absorption Rate) data which serves as an alternative to satellite imagery is complicated
- Gaining insights into weather conditions, soil monitoring, crop behaviour prediction, environmental conditions like insects or birds, optimum use of pesticides and fertilizers etc. or even maintaining and referring to records is almost impossible manually
- Aspects like the financial success of the crop, crop modelling, yield estimation and crop identification are difficult to predict
- Crop monitoring and agricultural management at scale is impossible without technological interventions and advancements that might aid the process.

A data-driven approach and eventually automation of certain processes are therefore essential to advance agricultural development.

Data-backed predictive analysis for the agricultural sector

Machine Learning, AI, and cloud-based technology can play an essential role in helping scale up the process both with increased efficiency and pace and reduce the burden on the supply chain.

With deep learning satellites like those promised by SatSure that are tuned to provide accurate data thrice a week information is collected continuously and predictions become clearer. This helps in understanding crop behaviour and gauging weather thereby increasing farmer efficiency and maximizing the ROI. Furthermore, being able to store this data on the cloud helps understand the behaviour from a long-term perspective and therefore make more calculated predictions for the farmers.

Having AI-based technological solutions like this enable the farmers and help produce more with less input while also improving the quality of output. The highlight, however, is accurate image reconstruction through satellite imagery, at scale. It opens up a whole new world of data points that can be captured in real-time. This helps in predictive agricultural analytics wherein machine learning tools can predict the right time for yield, to produce at the right time, and to improve the quality of their crops by understanding and optimizing external conditions.

Panpatte(2018) said that artificial intelligence makes it possible for farmers to assemble large amounts of data from various sources and provides farmers with data-based solutions, smart methods of farming and irrigation thus resulting in higher yields. In other words, it enables the farmers with what they do not know and by combining this with what they do know, i.e. combining technological and biological skills they will be equipped to transform the sector substantially. Technology has already penetrated all sections of the society including farmers who have embraced the smartphone era already. Adding the technical expertise to predict crop behaviour using satellites or data-based analytics will be a seamless and logical next step.

Data-Farming

It is estimated that by 2050, average farms will generate 4.1 million data points every day. With automation, AI and predictive analysis becoming a part of their lives, farmers are all set to become more productive and less ambiguous and dependent.



Children's Day is celebrated in India on the 14th of November, every year. This Children's Day, let's celebrate these cherubs which bring more meaning to life. Not only do children bring out the best in us, but they also empower and teach us so much. Someone once said that to understand life, all you have to do is look at a 4-year old, and an 84-year old.

While most of us are always looking out for our children and want to teach them the best things, we often forget that there is so much that we can learn from them. When it comes to mental health, there are so many qualities that we can pick up from them.

What adults can learn from children about mental health?

No judgement:

Children don't judge each other. They hold a pure nubile view towards everything. As adults, we often instil fear and teach them to judge. But if we picked up the no judgement quality from kids, especially for each other, then the world would be a more peaceful place to live. If people are not scared of judgement by others, they may be able to feel more secure, which can have a positive impact on their mental health. They may also be able to speak openly about their mental health issues. Try to not judge if someone talks about their mental health issues. Just try.

Cry it out:

Crying can sometimes be therapeutic. Yes! Children are the best example of it. They cry, and then they get over it. As adults we keep our emotions bottled up. This is the number one cause of emotional breakdowns. Crying can help you deal with emotions better, and improve your mental health.

Try new things:

We, as adults are scared to change. We are scared to even try new things. Look at the kid in your life, forever learning, forever yearning for more. They try things and then decide. Let us all try to kick off one bad habit today for better health, and try a healthier new thing.

Making & holding on to friends:

As a child, you could talk to strangers, make friends and hold on to them. Even if the first step to making friends was hard, you at least yearned to make friends. As we grow older, our priorities change and work, studies become the focus. This had made us alone and loneliness is another leading issue of mental health disorders. Be more social face to face. Children can speak about anything, and share a beautiful bond. So can you.

Letting go:

Finally, a trait that more adults should imbibe for letting go of the negativity. Children may throw a tantrum about things, but then let it go later. They move on. Doing the same can help us, adults, to be at peace with our own thoughts and lives.



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