



DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT
(Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE, New Delhi)
Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082
Department of Information Science & Engineering
Accredited 3 years by NBA, New Delhi



Event Name	Webinar on Data Analytics
Theme	Industry exposure on Data Analytics
Date	05.07.2021
Venue	Department of ISE, DSATM (Online)

Objectives of the Program/ Event:

- Industry exposure on Data Analytics
- Practical demonstration of big data tools

The figure shows a comparison of world population and connected devices from 2003 to 2020. The data is as follows:

Year	World Population	Connected Devices
2003	6.3 Billion	500 Million
2010	6.8 Billion	12.5 Billion
2015	7.2 Billion	25 Billion
2020	7.6 Billion	50 Billion

Additional data from the slide:

- Connected Devices Per Person: 0.08 (2003), 1.84 (2010), 3.47 (2015), 6.50 (2020)
- Note: More connected devices than people (between 2010 and 2020)
- Source: Cisco IBSG, April 2011

Purpose:

- To achieve technical skills in Big Data which are currently using in IT field.
- Exploring the Industry practices in the field of Big Data Analytics

About the Topic: This webinar is conducted to fill the gap in academic syllabus of Big Data Analytics for the final semester students. The session was started introductory note on the expert Mr. Arun Balaji Selvaraj, Principal Engineer, DELL-EMC Corporation, Bangalore by Dr. J. T. Thirukrishna, Associate Professor, Department of ISE, DSATM. The following topics were covered in the technical webinar.

- Data Analytics – An Introduction
- Big Data
- Big Data tools
- Real time applications of Data Analytics
- Students Discussion

Resource person/ participants Mr. Arun Balaji Selvaraj, Principal Engineer, DELL-EMC Corporation, Bangalore has graced the occasion as resource person for the session.

Number of participants: About 40 final year students of ISE department were participated.

Vision: Filling the gap in the academic curriculum on Big Data Analytics as the lagging of technical practice of big data tools.

Measurable outcomes: Participants were able to understand

- Technical exposure on Big Data analytics.
- Practice in Big data tools
- Knowledge (PO1), Design (PO3), modern tools (PO5) and Design & Development of text mining techniques for big data have been covered in this webinar.



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Department of Information Science & Engineering



Event Name	National Level Inter College Project Competition-2021
Theme	Desire to build a strong base for practical problem solving in students as well as to build their R & D potential.
Date	03/07/2021
Venue	Department of ISE, DSATM (Online)

Objectives of the Program/ Event

- Creativity of students applied to solve development problems of our people and State through Science and Technology.
- Enrich collegiate education through finding solutions to real life problems.
- Improve understanding and develop methodology of solving complex issues.

Purpose:

- To promote student project programmes in a large number of educational institutions in various areas of Engineering.

About the Topic:

- Project competition has enriched collegiate education through finding solutions to real life problems. This has also improved the understanding and development of a methodology to solve complex issues.

National Level Inter College Project Competition-2021 is conducted on 03/07/2021 at Dept. of ISE, DSATM Under the guidance of Dr. Sumithra Devi. K.A, Dean academics and HOD, Dept. of ISE with the support of Dr. B.R. Lakshmikantha, Principal .

- Students of various Engineering colleges were participated in the event.
- External Industry Experts Evaluated the project.
- Best Prizes were awarded.

Date: 03/07/2021 Time: 10.00am to 2.00pm

Competition was inaugurated at 10.00 am, Dr. Sumithra Devi. K.A, Dean academics and HOD, Dept. of ISE, did welcome address, explaining the significance of the National Level Inter college Project Competition-2021. Dr. B.R. Lakshmikantha, Principal gave concluding remarks addressing related to National Level Inter college Project Competition-2021. Dr. Seemanthini K presented vote of thanks

“Plant more Trees, Save Water, Save Electricity, Avoid Plastics, The world is in your Hands”

External Evaluators: 1.Mr Praveen H J,
Founder & CEO,
Arcis Business Solutions, Bangalore
2.Mr.Praveen V,
Co-Founder and Managing Director,
Embware Labs Pvt.Ltd, Hubli
3.Mr Shishir L ,
Senior Technical Support Engineer,
Oracle Solution Services India Pvt Ltd.
4.Mr.Arindam Chowdhury,
Associate Software Engineer, Q2.com
5.Ms. Vijayalakshmi Desai,
Engineer III, American Express.

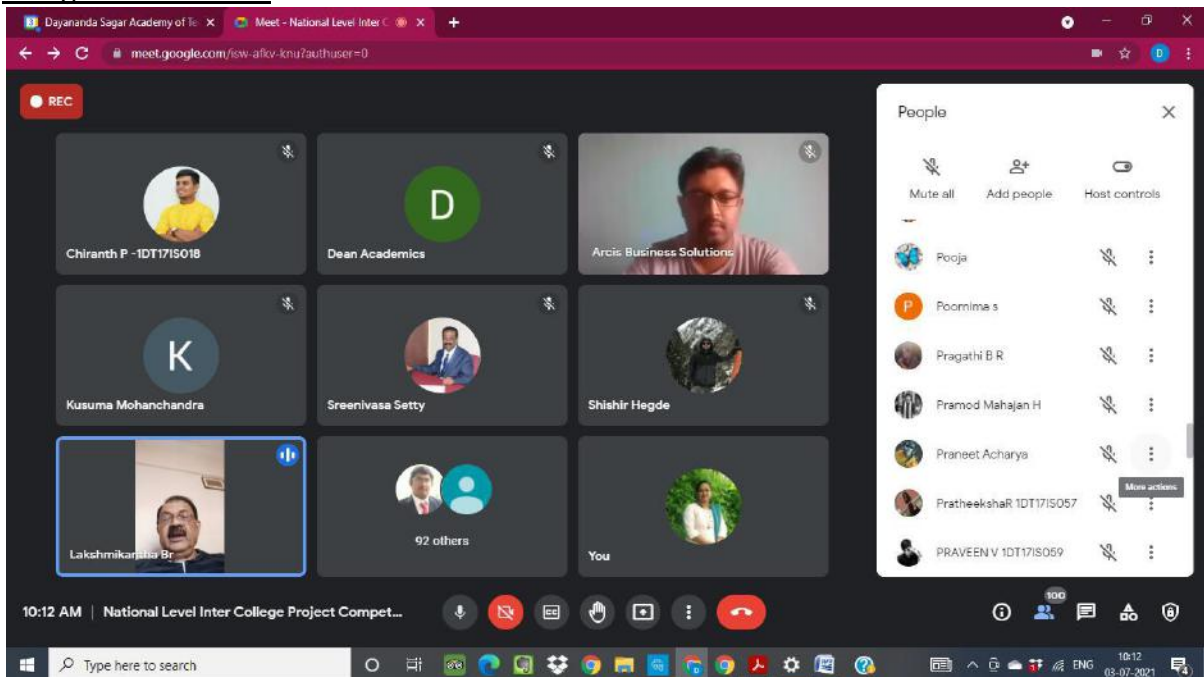
6.Mr.Vignesh J,
ML Engineer, Research Department, Infrd.ai

7.Mr.Anuraag Manvi,
Senior Back End and Machine Learning Engineer,
Smart Desert Pvt.Ltd

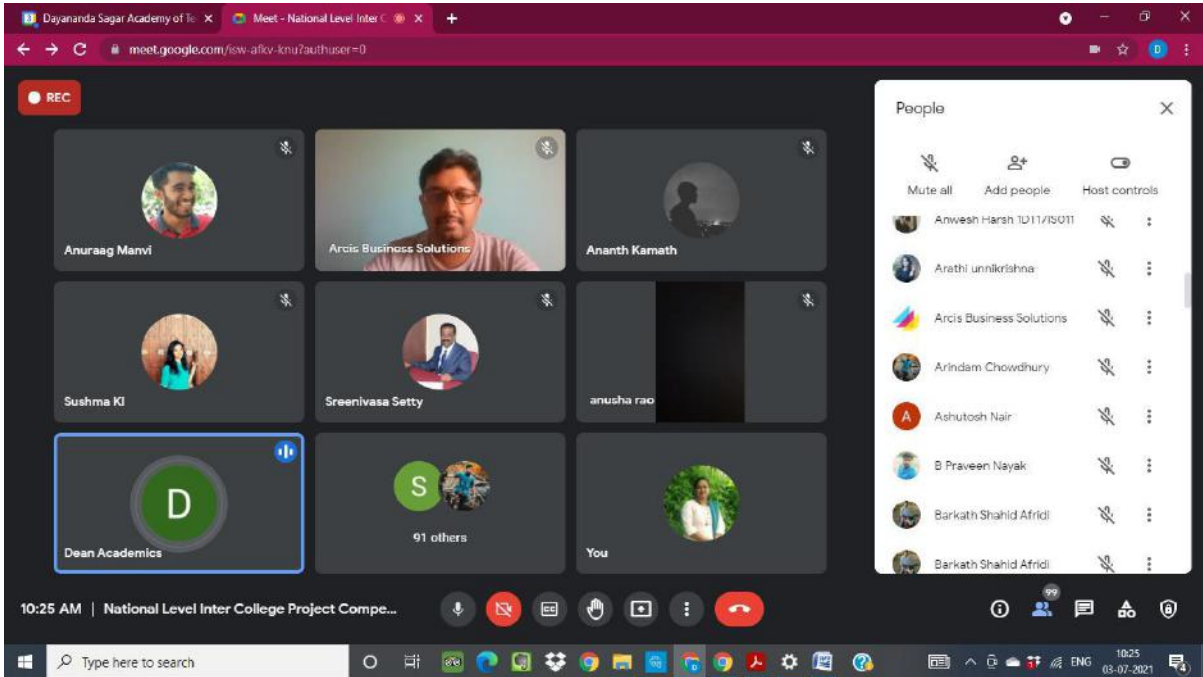
8.Mr Ananth Kumar,
Software Engineer, Infrd

9.Mrs.Sushma,
Software Engineer, Tech Mahindra

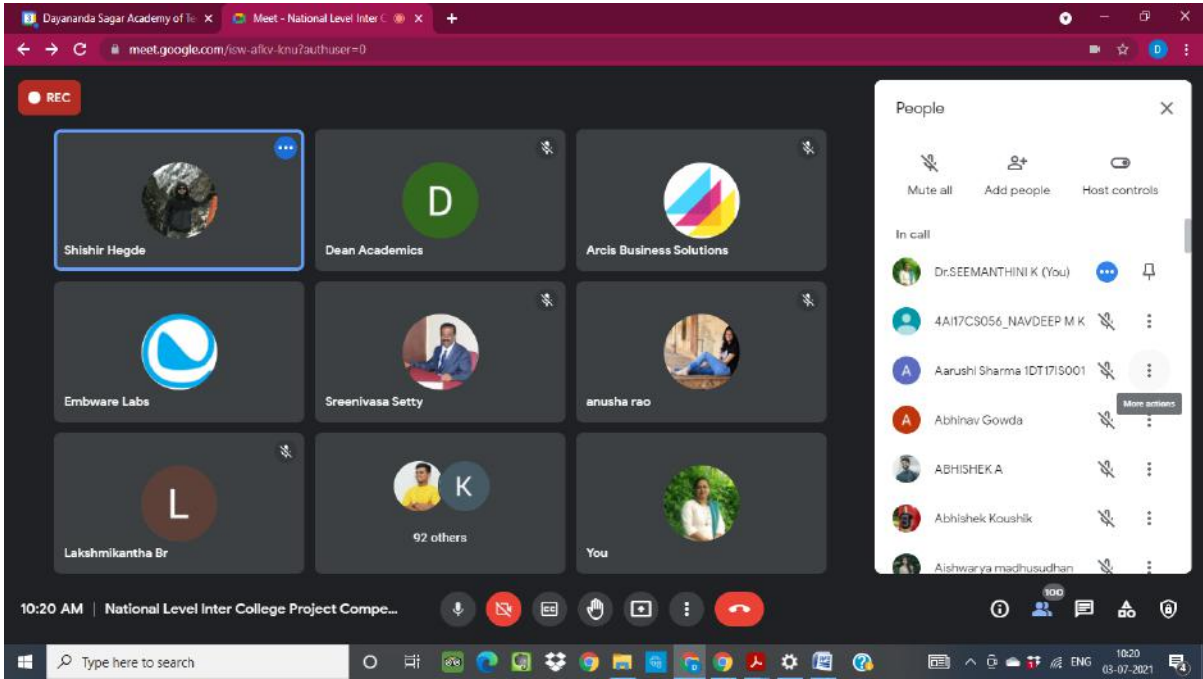
Inauguration Photos:



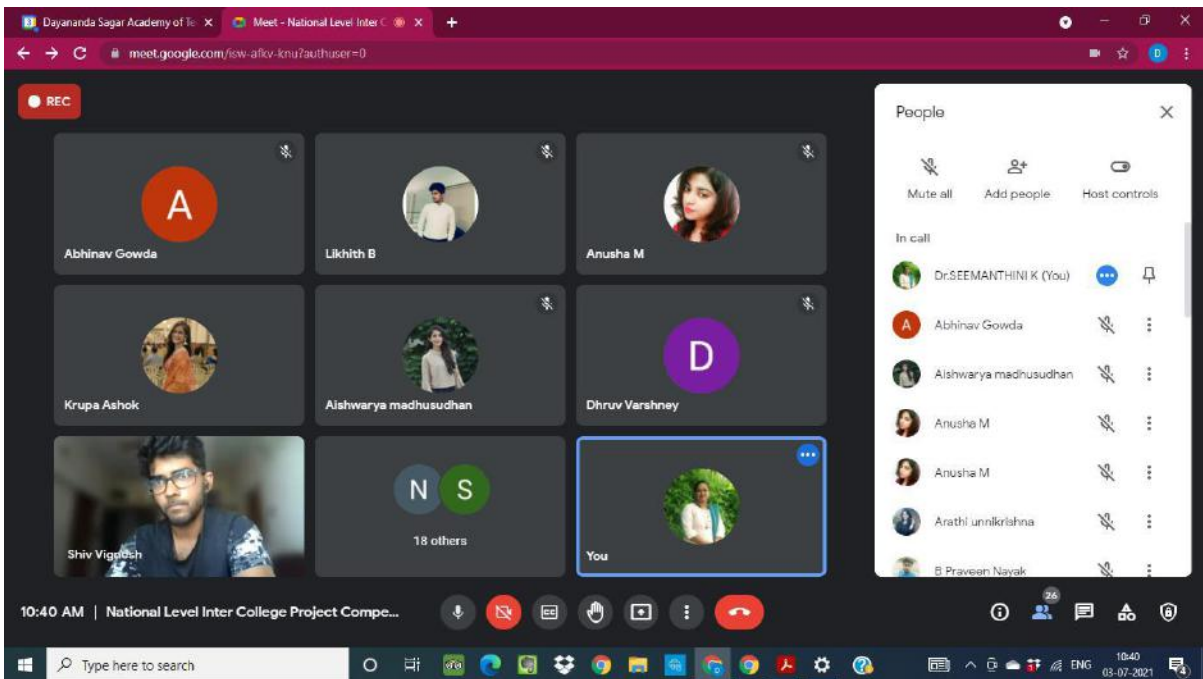
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Evaluation Photos:



“Plant more Trees, Save Water, Save Electricity, Avoid Plastics, The world is in your Hands”

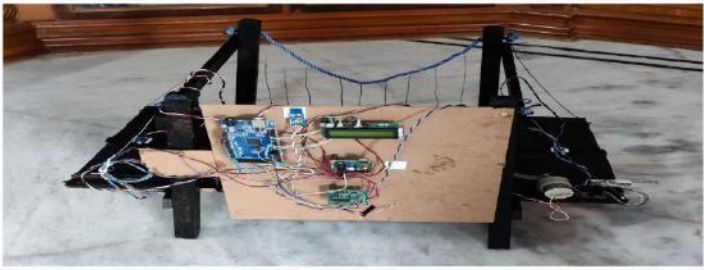
Dayananda Sagar Academy of Te Meet - isw-afkv-knu

meet.google.com/isw-afkv-knu?authuser=0

REC Anusha M is presenting

MODEL IMAGES

OVERVIEW OF THE MODEL



11:39 AM | National Level Inter College Project Compet...

Windows taskbar: Type here to search, various application icons, system tray showing 11:39 AM, ENG, 03-07-2021.

Dayananda Sagar Academy of Te Meet - isw-afkv-knu Feedback Day 12 Session - 55 DST Sponsored Faculty Deve google forms - Google Search

meet.google.com/isw-afkv-knu?authuser=0

REC S Mahima Mahima is presenting

Demo

You can see the demo of the project via the gif below.




Figure 3:- Vehicle Count using YOLO

The demo shows how the vehicles numbers are counted using YOLO

Turn on microphone (ctrl + d)

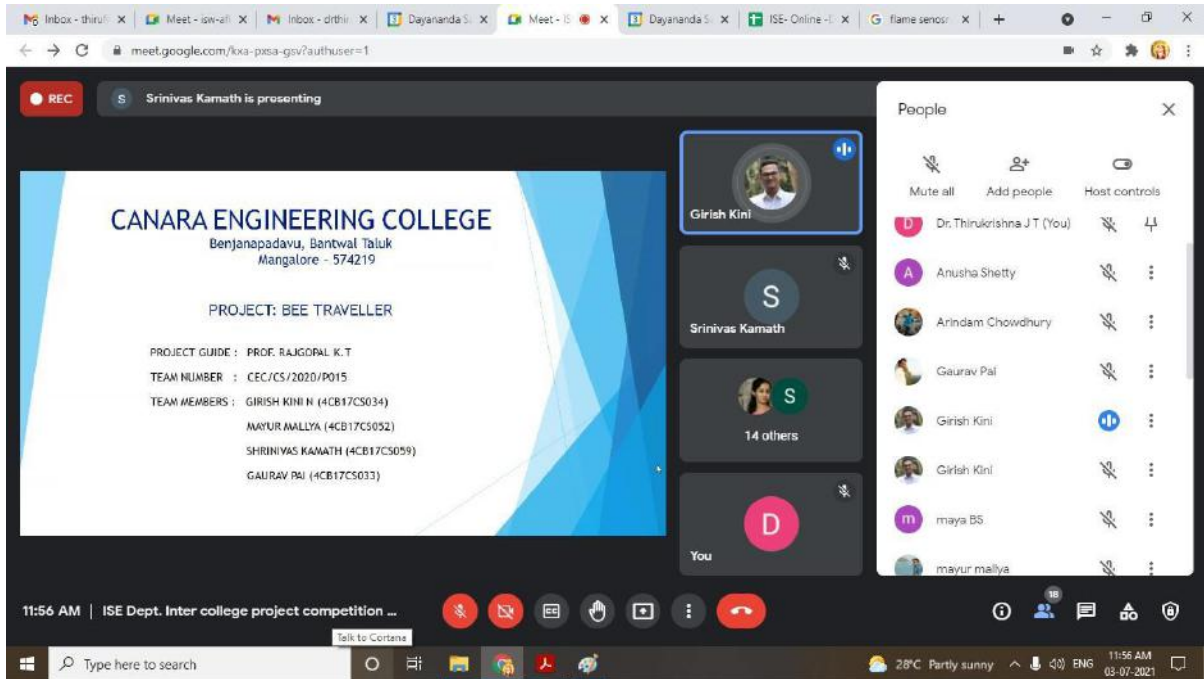
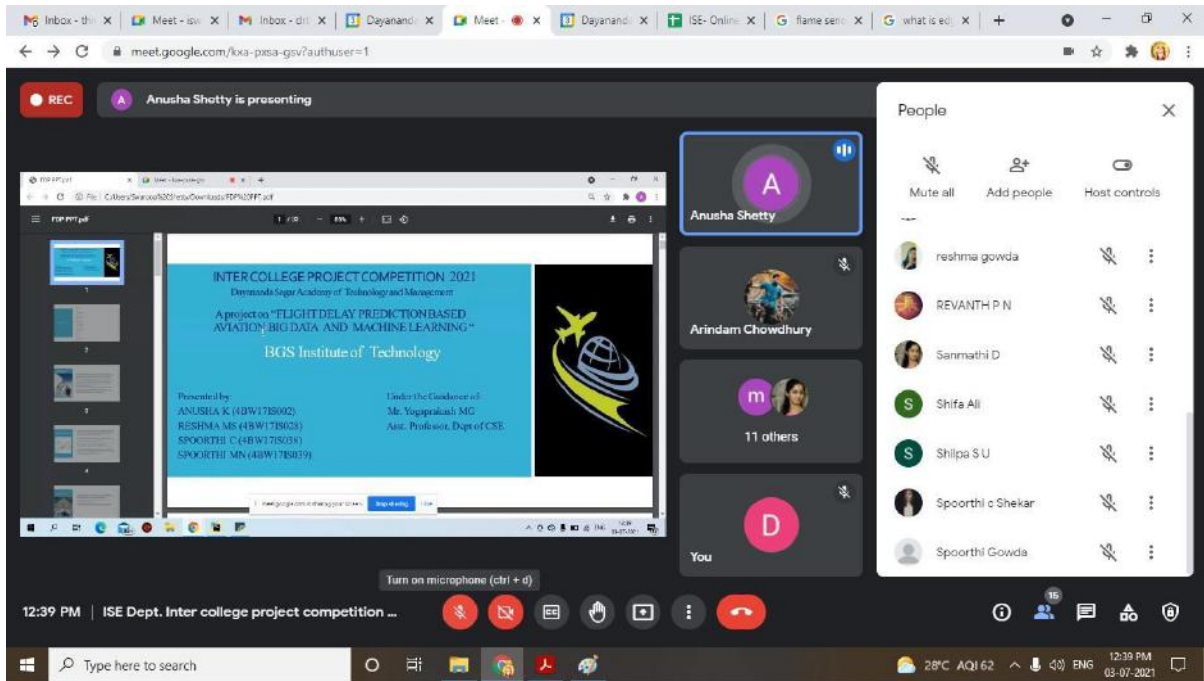
12:03 PM | National Level Inter College Project Compet...

Windows taskbar: Type here to search, various application icons, system tray showing 12:03 (03-07-2021).

People list:

- Mute all
- Add people
- Host controls
- Krupa Ashok
- Likhith B
- Navyashree H D
- Priyanka V L
- Rekha
- S Mahima Mahima
- S Mahima Mahima Presentation

“Plant more Trees, Save Water, Save Electricity, Avoid Plastics, The world is in your Hands”



Number of participants: External Students Registration-54 Teams and Internal Students Registration- 23 Teams

“Plant more Trees, Save Water, Save Electricity, Avoid Plastics, The world is in your Hands”

Vision:Main objectives of the project idea competition were to improve quality of life of people, improving environment and contributing to economic development of nation.

Identification and addressing the GAP:

This competition has provided a platform to the budding engineers to showcase their creative and innovative project ideas to compete in the global competitive engineering field.

Measurable outcomes:

- It stimulate students and researcher to work on exciting project
- Develops best practices and demonstration of diverse project, new innovations, etc.
- It provides networking opportunity with industries that can help create breakthroughs



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Event Name	Webinar Cyber Security and Ethical Hacking
Theme	Awareness on Security of data and hacking
Date	05/06/2021
Venue	Online



Objectives of the Program/ Event:

- Misconception of Hacking
- Addressing the importance on Cyber security
- To encourage students who would like to take up a career path in cyber security

Purpose:

- To achieve professional skills in cyber security among the students of DSATM.
- Introduction to advanced software and hardware tools supported by Operating system which can carry out various industry related cutting-edge standard based cyber security activities.

About the Topic: The session was started with the basic meaning of hacking, its misconception like a hacker is that who basically hacks other servers, or illegally gains access to other systems (this is all about the misconception). But actually hacker is a person who finds bugs in a particular product or some part of the source code, so that bug can be fixed. It's called as bug bounty, which finds a bug and in return, they get bounties as a reward. Further the resource person gave attention on the types of hacker (i.e., black hat hacker like Julian Assange, white-hat hacker like a founder of Linux Linux Benedict Torvalds, and grey hat hacker that is a combination of these two, and finally script kiddies like Ankit fadia), a demonstration on hacking using these script kiddies and also illustrated what actually hacking is, with actual coding.

Various cyber security packages has been discussed, and carrier opportunities in domain of ethical hacking. Execution of tracert command in the command line interface has been demonstrated. With the help of website called CVE Details an overview of currently hacked applications has been discussed along with how much vulnerability are there in a particular product. Finally, brief tutorial on how we can see whether our email, Facebook, laptop , mobile is hacked or not.

Resource person/ participants: Mr. Samarth B Bhat, Technical Director, REVENGG Infosec, Bangalore has graced the occasion as resource person for the session.

Number of participants: About 200 students of ISE department were participated.

Vision: To identify security vulnerabilities which can then be resolved before a malicious attacker has the opportunity to exploit them. Motivate the students to choose a career path in the domain of cyber security and ethical hacking.

Measurable outcomes: Participants were able to understand

- Getting familiar with Linux command line
- Types of hackers
- Learning data exfiltration techniques



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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

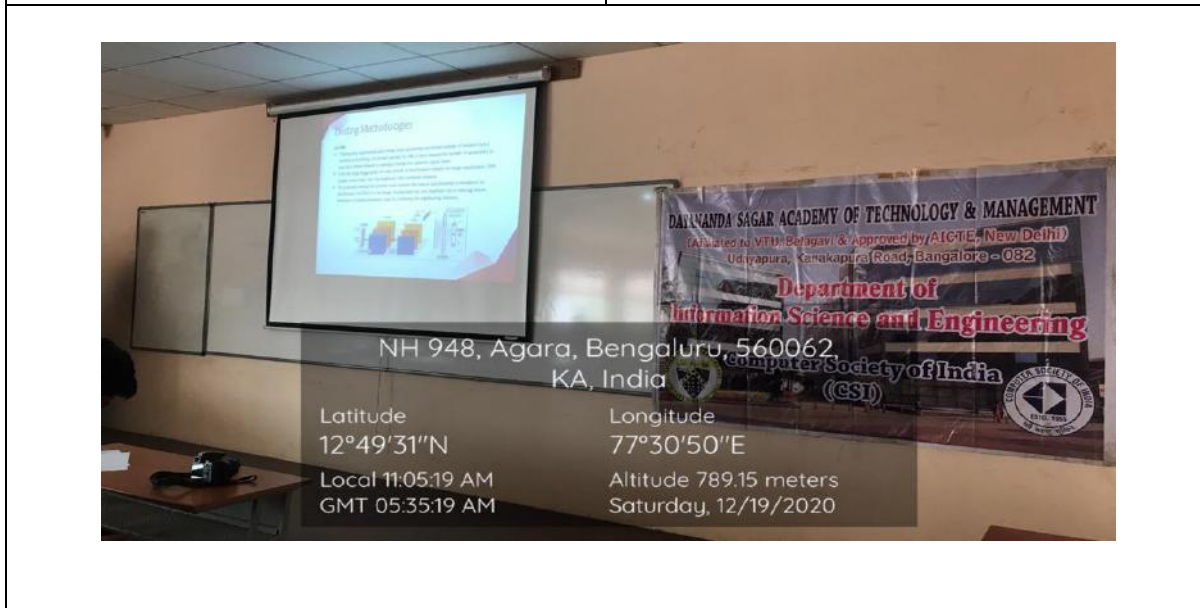
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Event Name	PROJECT SYMPOSIUM
Theme	Project Symposium is intended to enrich the knowledge of student's and showcase the projects that are conducted during their studies.
Date	19-12-2020
Venue	'A' Block Room Numbers 301, 303, 308 and 310
Event Coordinators	Dr. Kusuma M & Dr. Manjula G

Objectives of the Program/ Event

1. To identify and understand various aspects of theme and problems.
2. To develop the ability in decision making and judgment regarding problem definition.
3. To ensure inputs from industrial experts, for further development of project.



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Purpose: Project symposium allows students to enhance their broad understandings of a topic or a problem with literature study on the project work.

About the Topic: Project symposium provides an excellent platform to the students in showcasing their research orientation towards their desired domain.

Resource person/ Evaluators:

1. Mr. Samarth, Technical Director, Reveng Info Sec, Bangalore.
2. Mr.Mahesh.V, Chairman-Sub Committee Information Technology, Karnataka Small Scale Industries Association (kassia), Vijayanagar, Bangalore.
3. Mr.Jai Kissan, Software Developer, Wam Tech Systems, Vijayanagar, Bangalore.
4. Mr.Prince Raj, Master Technical Trainer, Ethnus consultancy services private limited, Bangalore.
5. Ms. Amulya Muralidhar Business Consultant/ Risk Analyst Ernst and Young, Bangalore (Alumnae).
6. Mr. Vinay P, Java Developer, Zycus India Private Limited, Bangalore (Alumnae).

Number of participants: 7th semester, 86 students

Vision: To ensure quality project implementation with research blend.

Identification and addressing the GAP: Initiating the research practice by doing literature survey on related project topic and presenting the literature survey.

Measurable outcomes: Symposiums enhance the technical knowledge of students and provide them a platform to exhibit their communication skills and helps students to identify and understand the various aspects of their domain which provides opportunities for them to develop their versatility and charisma in the divergent facet of their growth.



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DSATM CSI STUDENT BRANCH

Event Name	33 RD KARNATAKA STATE STUDENT CONVENTION 2020
Theme	<i>“ARTIFICIAL , VIRTUAL & ANIMATED COMPUTING”</i>
Date	28 TH & 29 TH FEBRUARY 2020
Venue	SEMINAR HALL ‘A ‘BLOCK 4 TH FLOOR

Objectives of the Program/ Event :

The Convention provides a professional platform for students of various streams of IT to showcase their talent. Invited talks by experts from the IT industry, exposes the students to the latest developments. This also provides an opportunity for networking between students, professionals and academicians.





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DSATM CSI STUDENT BRANCH

Purpose: The main aim of State Student Convention is to build a foundation and inspire the young students of engineering to understand and apply the new trends in technology. The convention targets to give a broad overview of Technical Fusion.

About the Topic: Artificial intelligence (AI), is intelligence demonstrated by machines, unlike the natural intelligence displayed by humans. Virtual Computing is a processing of resources that aren't available on their local machines, and virtual computing solves the problem by connecting client machines to a host workstation over a remote network.

Resource persons :

Dr. Sunil Panwar, IFS, Executive Director, Center for Smart Governance, Govt. of Karnataka was the chief guest and Ashok Gopinath, Managing Director, Accenture, Bengaluru.

Prof. M. Surendra Prasad Babu, Regional Vice President, CSI, Region-V, Guest of Honours. CSI-BC Chairperson.

Prof. Anbunathan presented his gratitude towards DSATM for arranging this auspicious event and congratulated all the participants, delegates and students of DSATM .

Participants: Students , Guests, Faculty & CSI delegates : 500

Vision: Student Convention is to put Indian youth in the central stage of Technology- led inclusive growth

Identification and addressing the GAP:

Ashok Gopinath, Managing Director and Master Technology Architect at Accenture delivered key note address on the convention theme Artificial, Virtual and Animated Computing.

Mohan Krishnaraj, VP and Global Head, User Experience Design, Harman International encouraged students by sharing his massive knowledge about the Designing the world of Unconventional.

Prof. Madalli Surendra Prasad Babu, Regional Vice President, Region-V, Computer Society Of India. spoke about India becoming a major country. "Students are the ones with the power to the future" Students were motivated by knowing about Recent Strides in AI.

Dr. Prakash S, Principal, EPCET gave a brief talk on "Virtual Computing trends and opportunities".

Prof. A M Padma Reddy also stressed the need and importance of Conventions and student activities in institutions and gave tips to students to be prepared to take challenges of the future.

Sponsorship or Funding Partner: Computer Society of India, KLS Gogte IT Student Branch, CITech Student Branch, KSIT Student Branch, GSSSIETW Student Branch

Measurable outcomes: The Technical Program comprises of various competitions such as On the Spot events Decoding, Web Designing, Circuit Design, Start up Ideas, Hackathon.

Technical Paper Presentations on Latest technologies as Data Science & AI, Smart Computing, Mobile & Wireless Communications, VLSI & Design IOT & Sensors, Cyber Security, Virtual & Cloud.



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