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Organizing Chair

Dr. Arathi R. Shankar,

Associate Professor & HoD, Dept. of ECE, BMSCE

Organizing Team & Co-ordinators

Dr. Rajanikanth K. N., Associate Professor

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Mobile: +91-9880424584

Prof. Madhusudhan K. N., Assistant Professor

Email: madhusudhankn.ece@bmsce.ac.in

Mobile: +91-9845409693

Registration

Registration fee:

UG/PG students/Full-time Research scholars: Rs. 100/-

Faculty: Rs. 150/-

Industry Personnel: Rs. 200/-

to be paid to the following **Bank Account**:

Account No: 20274180376

Account Name: HOD-ECE

Bank Name: Allahabad Bank

B.M.S.C.E Campus, Hanumanthnagar, Bengaluru 560019.

IFSC Code: ALLA0212011

Interested participants are requested to register by filling out the following Google form:

<https://forms.gle/DMww5iVMFkFcCEeh6>

Important Dates

Last Date for Registration: 03rd September 2020, 11 AM.

Inauguration: 04th September 2020, 2:00 PM.

Valedictory: 10th September 2020, 11:15 AM.

E-certificates will be provided to all the participants who attend the course.



B. M. S. College of Engineering

Autonomous Institute under VTU

Accredited by NAAC with A++ grade

presents

**One-week Online
Value-added Course**

on

**Emerging Technologies:
Industry Perspectives**

4th September – 10th September, 2020



Organized by

**Department of Electronics and
Communication Engineering**

About the Institution

B.M.S. College of Engineering, Bengaluru has the unique distinction of being the first private engineering college established in the country in 1946. The institution owes its existence to the foresight and vision of its beloved founders, Late *Śrī* B. M. Sreenivasaiah and his illustrious son *Śrī* B. S. Narayan. Imparting quality education and training was the founder's vision for the development of skilled and competent engineers who will go on to become the workforce for the benefit of national prosperity.

The college initially started with three undergraduate programmes in 1946 and currently offers fourteen undergraduate and fifteen postgraduate programmes in conventional and emerging fields. In addition, the college also offers PhD programmes in fourteen of its departments which are recognized as research centers by the University, and is also approved as QIP Centre in Engineering and Technology by AICTE. The college maintains high academic quality standards, the certification by the National Board of Accreditation (NBA) bearing testimony for the same. The college has been an autonomous institute under VTU since 2008. In fact it is the first few institutions in the India to be bestowed with NBA in Tier-I Format (Washington Accord) in the year 2013. The institute is accredited by National Assessment and Accreditation Council (NAAC) with highest grade of A++ in the second Cycle with a CGPA of 3.83 on a scale of four. The institution is a proud recipient of TEQIP-III (World Bank Funded Project) after successful participation in TEQIP-I and II Projects. BMSCE is the only partner institution in the country with the Melton Foundation, USA which promotes cross-cultural learning for selected students along with peers from five other countries and is one of the most preferred higher educational destinations for students all across the country and also attracts students from South Asian and African countries.

About the Department

The department of Electronics and Communication Engineering (ECE) of BMSCE was established in 1971 with an initial intake of 60 students to the Under Graduate (UG) program and enhanced to an intake of 120 students from 1983 and 180 students from 2018. The department offers three Postgraduate Programmes: "M. Tech. Electronics" from 1986, "M. Tech. Digital Communication Engineer-

ing" from 1996 with an intake of 18 students and "M. Tech. VLSI Design & Embedded Systems" from 2014 with an intake of 24 students. The department is also a recognized Research Centre (RC) by VTU from 2002 and is a recognized Quality Improvement Programme (QIP) center by the AICTE from 2011. With these activities on-hand, the overall objective of the department is to contribute significantly to the realization of the vision of BMSCE. The department is accredited by NBA for 6 years under TIER-I from 2017 to 2023. The department has a long tradition of excellence in educating, mentoring, and inspiring future technology leaders & researchers in the area of Electronics & Comm. Engg.

About the course

The course is designed to enhance technical skills of the participants for emerging opportunities in research and industry. Eminent technical leaders drawn from the industry will be engaging the participants. The topics are chosen to encompass a broad spectrum of current and emergent technologies in Healthcare, Robotics, IoT, Vision systems, Autonomous/Connected cars, and the Semiconductor Industry.

Target Audience

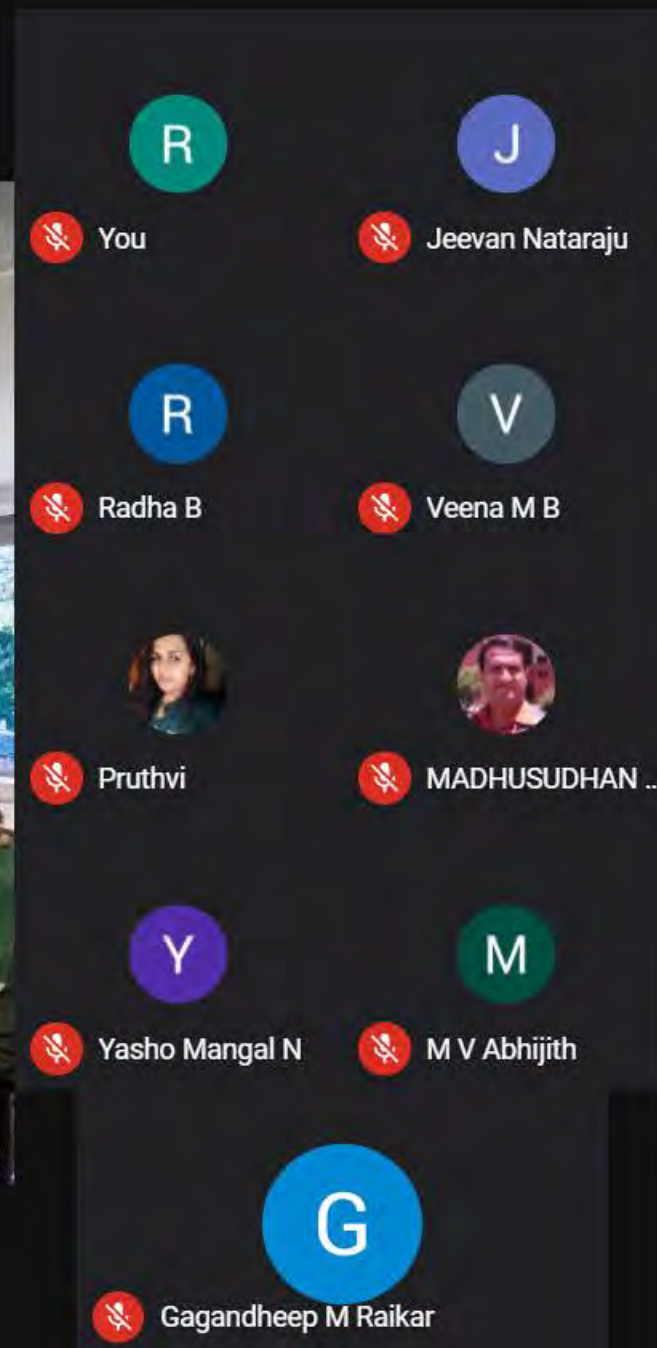
This course provides an exposure and insights into the technology developments in the industry and hence both students and faculty are encouraged to participate actively. This course will help the faculty in tuning their teaching and research activities to align with industry practices.

Resource Persons & Schedule

1. **Dr. T. V. Prabhakar**, Principal Scientist, Zero Energy Networks Laboratory (Zen lab), DESE, IISc, Bangalore
4th Sept 2020, Friday, 2:00 PM – 3:45 PM
Construction of Digital Twins: The concept of Digital twins is to come up with virtual replicas of physical devices that are used for simulation before actual devices are built and deployed. They impact technologies such as IoT, AI, and analytics in optimizing these devices.
2. **Nataraj Kumar**, Director, Strategic Innovation Group, Philips Health Care, Bangalore
5th Sept 2020, Saturday, 11:00 AM – 12:45 PM
Digitization in Pathology and the promise of AI: Healthcare industry is looking for innovative solutions and a boost to a faster and more efficient application of

technologies like Artificial Intelligence (AI) and Deep Learning. Pathology is one area which stands to greatly benefit from these applications and will be the focus of this talk.

3. **Dr. Shrikant Rao**, Director, Gimbal Tech LLP, B'lore.
7th Sept 2020, Monday, 2:00 PM – 3:30 PM
Robotic Navigation: From Vacuum Cleaners to Cruise Missiles: This talk will give a gentle introduction to navigation of mobile robots with a few examples to illustrate various traditional and emerging techniques. The use of 2D/3D sensors like Vision and LiDARs, with and without apriori maps will be discussed.
4. **Mohammed Ibrahim**, Staff Engineer, Honeywell Technology Solutions, Bangalore.
8th Sept 2020, Tuesday, 2:00 PM – 3:30 PM
Cockpit Vision Systems: Controlled Flight into Terrain (CFIT) was a major cause of aviation accidents in 1970s and 80s. Honeywell, a pioneer in aviation safety products and solutions, introduced Enhanced Ground Proximity Warning System (EGPWS) that dramatically reduced accident rates. This talk gives an overview of EGPWS and associated safety products such as Synthetic, Enhanced and Combined Vision Systems.
5. **Sunil Joshi**, Director, Crevavi Engineering Solutions, Bangalore.
9th Sept 2020, Wednesday, 2:00 PM – 3:30 PM
Driverless and Connected Cars: Autonomous vehicles are a natural convergence of multiple technologies like Artificial Intelligence, sensors, high speed connectivity and huge computing power that is available for the engineers to realize true driverless cars.
6. **Paramesh Padmanabhan**, Engineering Director, Intel Corporation, San Jose, USA.
10th Sept 2020, Thursday, 9:30 AM – 11 AM
Introduction to Process Design Kits (PDK) in Semiconductor Industry: PDKs from a semiconductor foundry represents a library of files that contain description of the basic building blocks of the process used to precisely describe the manufacturing process details to designers and design tools. This talk will cover an overview of a typical PDK from a semiconductor foundry, its use in reference flows for Analog and Digital designs, ecosystem for PDK and reference design flow development and latest advances in PDK.



Inbox (1,328) - rajanikanthn... Meet - Wireless Sensor Net... dr shamanth dsu - Google Search

meet.google.com/sqb-ypaq-kfn?authuser=0

Apps Gmail YouTube Maps Sadhana Journal Ed... Emerging technolo... Digital twins: Bridgi... Solution of Balagur... M 3.01 Classes in C++... M Course Notes - EE4...

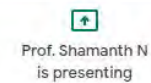
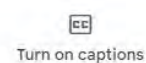
REC Prof. Shamanth N is presenting BHAVYA S Dept o... and 44 more 56 2:06 PM You

Webinar on
“WSN in IoT”

By,
Dr. Shamanth N.
Assistant Professor
Dept. of CSE
Dayananda Sagar University, Bengaluru
Email: shamanth-cse@dsu.edu.in

meet.google.com is sharing your screen. Stop sharing Hide

Wireless Sensor Network Pro... ^





People (69)

Chat

Let everyone send messages



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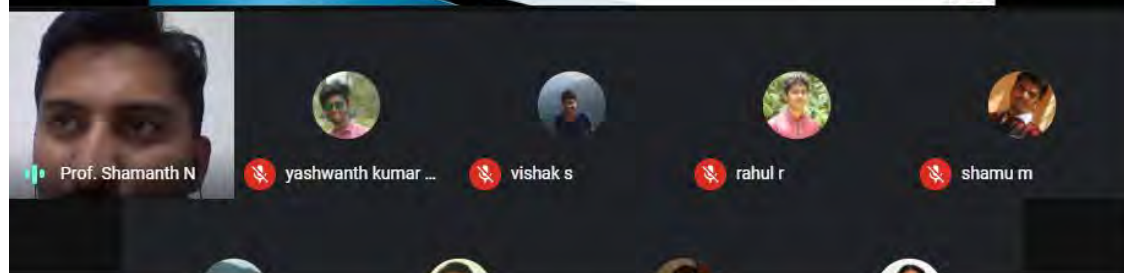
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Send a message to everyone

REC P Prof. Shamanth N is presenting

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File Simulation Notes Tools Settings Help

View Zoom

Simulation control

Run Speed limit

Start Pause Step Reload

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Mote-output

Time	Mote	Message
2:08:24.245	ID:1	RSSI:38
2:08:24.382	ID:1	sending broadcast
2:08:24.382	ID:1	counter=92,buf[92]=92
2:08:24.390	ID:2	
2:08:24.390	ID:2	Data received from:
2:08:24.390	ID:2	At port 9999 from port 9999 with length 100
2:08:24.390	ID:2	Rx: Data[192]=0
2:08:24.390	ID:2	RSSI:38

Filter:

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PROGRAMMING - WSN Part 2 X

People (21) Chat

P Prof. Shamanth N Presentation

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**REPORT
ON
ONE WEEKS FACULTY DEVELOPMENT PROGRAMME ON
RECENT ADVANCES IN HEAT TRANSFER AND ITS APPLICATIONS
(ONLINE MODE)**

Held during 13/7/2020 to 17/7/2020

Day 1 – 13/7/20 – Monday

Inauguration:

The first day began with the workshop inauguration by Dr. B. V. Ravishankar, Principal of BMSCE, in Dr. Rudra Naik, HOD of the mechanical department, faculty members, and participants in online mode. Further, Dr. Rudra Naik welcomed all the participants, briefed them about the Department of Mechanical Engineering, BMSCE, and the aim of the FDP. Then the inauguration culminated with a vote of thanks by Dr. Sudarshan B. Later

Session 1:

Started with fundamentals of heat transfer and its applications and recent advancement in the heat transfer area by Prof. K. N. Seetaramu, Retd Professor IIT Madras.

Session 2:

In the second session, Prof. Balaji Srinivasan, Associate Professor, Department of Mechanical Engineering IIT Madras, delivered a talk on employing machine learning for heat transfer problems. The presentation gave an insight into the evolution and growth of ML. He also spoke on the scope of the AI & ML in the fluid flow and heat transfer area.

Day 2 – 14/7/20 – Tuesday

Session 1:

The first session took us through research work carried out by Dr. Sangamesh C. Godi Asst. Prof. Department of Mechanical Engineering BMSCE. He talked about temperature measurement techniques and experimental methodology to estimate heat transfer coefficient, one of the critical parameters in the heat transfer analysis. He also gave an application of the same.

Session 2:

Session 2 was carried forward by Dr. Sudarshan B, Asst. Prof. Department of Mechanical Engineering, BMSCE Bangalore gave a brief idea about the Challenges and Advances in Heat Transfer Studies for Hypersonic Vehicles. The talk concluded by briefing heat transfer problem associated with space shuttle during re-entry,

Day 3 – 15/7/19 – Wednesday

Session 1:

Dr. Pallab Sinha Mahapatra, Asst, conducted the first session. Prof. IIT Madras. He talked about Wettability engineering and its application in heat transfer problems, and he concluded by giving its future scope in research.

Session 2:

The next session dove boiling heat transfer and its application by Dr. Suhas B. Asst. Prof. Department of Mechanical Engineering BMSCE, where he specifically spoke about boiling heat transfer, how the heat transfer phenomenon takes place during boiling, and its electronic application cooling.

Day 4 – 16/7/20 – Thursday

Session 1:

The first session was by Dr. Srikanth Rangarajan, Asst. Prof. (Research) at SUNY Binghamton USA. He spoke on data center cooling and its optimization. He also mentioned during his talk that how the current optimization and product development is nature or bio-inspired for enhancing the heat transfer in electronic devices.

Session 2:

The day's second session was on heat transfer for aerospace application by Prof. Arul Prakash, Department of Applied Mechanics IIT Madras. He gave insight into the fundamentals of numerical heat transfer and advanced numerical tools that can be used for complex heat transfer problems and can realistically obtain the results.

Day 5 – 17/7/20 – Friday

Session 1:

The first session was by Dr. Kali Charan Nayak, Thermal specialist, Rolls Royce R and D center Bangalore, India. He gave a talk on thermal challenges in the gas turbine. Also, he emphasized the current challenges in designing gas turbines used in aviation and the power generation industry.

Session 2:

Session 2 and the last session of the FDP were arranged in a way that was not related to heat transfer but focused on creativity for researchers and engineers. This talk was needed for the program to enhance the morale of all the participants and made them think about how research needs to be carried out with creativity.

Valedictory:

Prof. Rudra Naik HOD Mechanical Engineering gave concluding remarks by appreciating the quality of the topics covered by eminent speakers. He thanked all the speakers for their time and wished all the participants.

An E-certificates have been sent to all the participants and a thank you letter from HOD to all the speakers

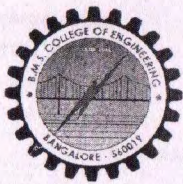
One-Week Online Faculty Development Program
On

RECENT ADVANCES IN HEAT TRANSFER AND ITS APPLICATIONS

In Association With

Indian Society For Technical Education

13th - 17th July 2020



Organised by

Department of Mechanical Engineering

B.M.S. College of Engineering

Autonomous Institute, Affiliated to VTU

Accredited by NACC with A++

Bull Temple Road, Bengaluru - 560 019. Ph: 080-26622130-135

[Http://www.bmsce.ac.in](http://www.bmsce.ac.in)

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and President, ISTE-BMSCE Chapter

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Dr. Sudarshan B., Asst. Professor, Dept. of Mechanical Engg, BMSCE.

ORGANIZING COMMITTEE

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Sri. Devaraj K., Asst. Professor, Dept. of Mechanical Engg, BMSCE.

Dr. Ravi L., Asst Professor, Dept. of Mechanical Engg, BMSCE.

Dr. Suhas B. G., Asst. Professor, Dept. of Mechanical Engg, BMSCE.

ABOUT B.M.S COLLEGE OF ENGINEERING

The BMS College of Engineering is the first private engineering college in India, established by the great visionary and philanthropist, Late Sri. B. M. Sreenivasiah in the year 1946, located near the historical Bull Temple in Basavanagudi, in the centre of Bangalore, Karnataka. BMSCE is an autonomous institute affiliated to VTU and approved by AICTE, New Delhi. The Institution is in its 74th year of dedicated service in the field of Engineering Education. BMSCE is currently offering 13 UG and 16 PG programs besides an active research centre for different disciplines.

For more details, visit <http://www.bmsce.ac.in/>

DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering came into existence in the year of 1946. The Department has 50+ well experienced, qualified and dedicated faculties with specialization covering various areas of Mechanical Engineering. The department has well equipped laboratories and workshops and also has many research projects sponsored by various organizations. The department is offering three post graduate (M.Tech) programs in Machine Design, Manufacturing Science and Engineering and Thermal Engineering. The department is recognized as a research centre by VTU, Belgaum, as well as QIP Centre for Ph.D program by AICTE. The major research areas are Fluid flow and Heat transfer, MR Fluids, Smart Materials and MMC, Thermo acoustic Refrigeration and Structural Dynamics.

For more details, visit <http://bmsce.ac.in/home/Mechanical-Engineering-About>

ABOUT THE PROGRAM

This FDP aims at giving a comprehensive understanding and critical insights on the recent advances in heat transfer and its applications in emerging thrust areas and the related effective techniques explored in heat transfer applications. The inculcation of an interdisciplinary approach to tackle challenging problems and understanding current trends by analytical, experimental, and computational methods are essential in achieving the desired objectives.

Current challenges and research aspects of heat transfer in hypersonics, nuclear reactor, gas turbines, electronic cooling, CO₂ power cycle, to name a few, will be covered by academic and industrial experts. The FDP content is designed for faculty, industry personnel, and the student community pursuing research, higher studies, and innovative projects in heat transfer problems in different engineering disciplines like Mechanical, Aerospace, Biological, and Chemical engineering.

A Report One Week online FDP on "MATLAB for Mechanical Engineers"

By: Devaraj K

Date: 20th July to 24th July 2020

Venue: Online mode using Google Meet

Objectives:

1. To give brief introduction to MATLAB
2. Basics of mathematical operations using MATLAB
3. Applications of Mechanical Engineering courses such as SOM, Kinematics, Fluid Mechanics, Design of Machine Elements using MATLAB as a tool.

Proceedings:

The program was inaugurated by honourable Principal, BMSCE, Dr. B V Ravishankar on 20th of July at 9:45 am. We had 122 participants from all over the india ranging from Arunachal Pradesh, Dehradun, Hyderabad, Mangalore, Coimbatore etc.,. As the FDP was on online mode, we had two sessions per day 10:00 am to 11:30 am and 12:00 Noon to 1:30 pm. The first three days was devoted covering the Matrix operations, Logical operations, Plotting, Solving ODE's and Numerical analysis, Symbolic math using MATLAB as a tool. The last two days, we discussed applications of Mechanical Engineering such as Shear Force and Bending moment diagrams, Engineering Mechanics, Kinematics, Fluid Mechanics and Design of Machine Elements. The participants have to take the quiz and submit course journal on daily basis to improve the quality of the learning.

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Dr. H K Rangavittal, Professor, Dept of ME

ORGANIZING CHAIRMAN

Dr. Rudra Naik, Prof. & Head, Dept. of ME, BMSCE and President, ISTE-BMSCE Chapter

PROGRAM CO-ORDINATORS

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Prof. Narahari, Asst. Prof., Dept. of ME, BMSCE.

ORGANIZING COMMITTEE

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Prof.. Tripti Pachori, Asst. Prof., Dept. of ME,
Dr. Santosh Doreswami, Asst. Prof., Dept. of ME,
Dr. Anil Chandra, Asst. Prof., Dept of ME



CONTACT PERSON

Prof. Devaraj K
Assistant Professor,
Department of Mechanical Engineering,
BMS College of Engineering, Bengaluru.
Contact No.: +91-9686687937
Email: devarajk.mech@bmsce.ac.in

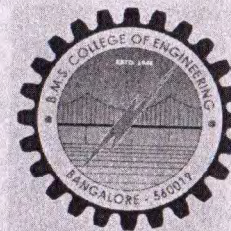
One-Week online Faculty Development Program
on

MATLAB for Mechanical Engineers

In Association with

ISTE-BMSCE Chapter

20th to 24th July 2020



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Report on the One Week Workshop on Advanced Manufacturing

01 – 05 March 2021

INTRODUCTION

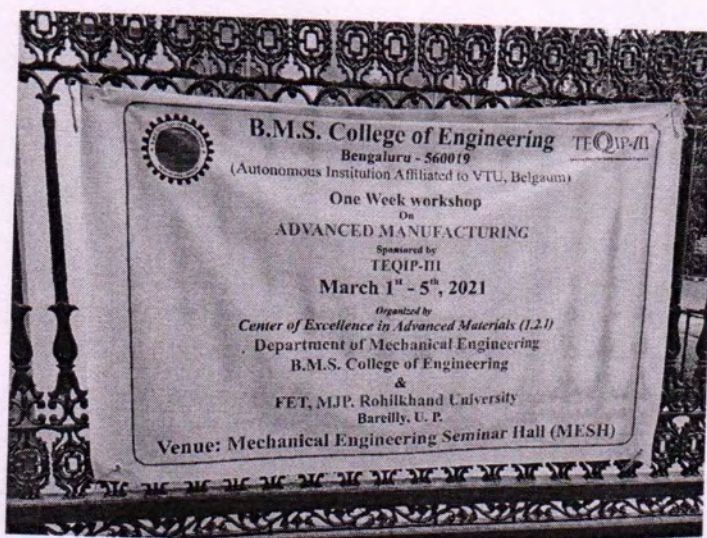
In view of getting the Masters Students, Research Scholars and Faculty of Mechanical Engineering in the latest trends in Manufacturing, and with an intent of setting up strong foundations based out of research and technology driven aptitude among the stakeholders viz., Ph.D. scholars, Masters students and Faculty members, the Department of Mechanical Engineering conceptualized the Workshop crafting the contents of the same to suit the research needs of any professional who is the domain of composites. In total, the workshop was for five days between 9:30 A.M. to 4:30 P.M.

OBJECTIVES

- Expert lectures in the domains of composites and advanced manufacturing.
- Experience sharing of experts in contribution to research.
- Discussion of key points for stakeholders to write project proposals and carry out research activities

TOTAL NUMBER OF PARTICIPANTS: 21

- Ph.D. Students: 3
- Faculty Members: 1
- M. Tech Students: 17



APPLICATION FORM

One-week Workshop on Advanced Manufacturing

Sponsored by

Centre of Excellence in Advanced Materials Research
(TEQIP-1.2.1)

March 1-5, 2021

1. Name:

2. Date of birth:

3. Designation:

4. Institution:

5. Address for communication:

6. Contact No:

7. E-mail ID:

8. Educational qualifications:

9. Area of specialization/interest:

10. Years of experience:

Teaching:

Industry:

DECLARATION

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration.

Place:

Signature of the applicant

Date:

SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Ms.

is an employee of our institute and is hereby sponsored for workshop on "Advanced Manufacturing" at BMS College of Engineering during the period **March 1-5, 2021**. He/she will be permitted to attend the course, if selected.

Place:

Signature of the Sponsoring

Date:

Authority (with seal)

**BMS College of Engineering
Bengaluru-560 019**

One-week workshop

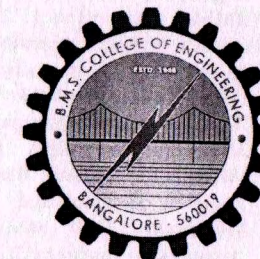
On

Advanced Manufacturing

Sponsored by

Centre of Excellence in Advanced Materials Research
(TEQIP-1.2.1)

March 1-5, 2021



Organizers

Center of Excellence in Advanced Materials Research
Department of Mechanical Engineering
BMS College of Engineering
Bengaluru-560 019

&

(In collaboration with FET, MJP.
Rohilkhand University
Bareilly U.P.)

**REPORT TOWARDS THE ONE-WEEK ONLINE FACULTY
DEVELOPMENT PROGRAMME ON
RECENT ADVANCES IN COMPOSITE MATERIALS FOR ENGINEERING
APPLICATIONS**

Program Schedule for One Week Online FDP
[08th – 12th, March 2021]

Name of the FDP: Recent Advances in Composite Materials for Engineering Applications (RACMEA-2021)

Hosting Institute: Department of Civil and Mechanical Engineering, B.M.S. College of Engineering

Association Partner: Faculty of Engineering and Technology, M.J.P. Rohilkhand University, Bareilly, U.P. (India)

Venue: B.M.S. College of Engineering

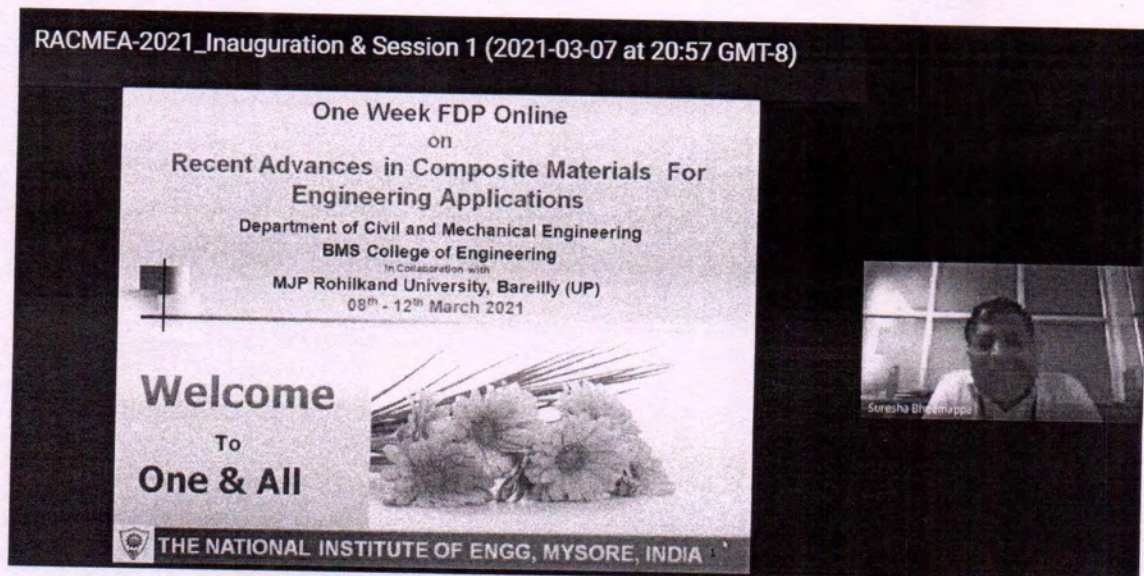
Date: March 08th – March 12th, 2021

Total Duration: 5 Days

No. of Resource Persons: External = 08 and Internal = 04, Total = 12

Total Participants: 158

RACMEA-2021_Inauguration & Session 1 (2021-03-07 at 20:57 GMT-8)





Center for Innovation Incubation and Entrepreneurship (CIIE), BMSCE

CIIE facilitates innovation through research and collaboration by translating domain expertise into products or technologies. We at CIIE foster entrepreneurial spirit and promote start-ups by providing appropriate incubation facilities, offering consultancy services and improving industry-institute interaction. Our main motive is to encourage entrepreneurial minds to steer their way into the future. We undertake the role of a mediator by helping developers become entrepreneurs by providing suitable guidance and connections. The CIIE council members are notable leaders, educationists, philanthropists and developers, having substantial experience in the start-up and research domains. We are here to convert your vision into value.

Register here:



<https://ciie.bmsedu.in/>

Registration closes on 28th May at 12:00 pm

"A Transformational Journey of Breakthrough Ideas to Successful Products "

"I don't know where I am going, but I am on my way." If you feel this way while brainstorming ideas and concepts to build your own product or service, here's a workshop for you.

Join us for a 5-day hands-on camp on how to take your exciting ideas to the next level by understanding concepts of Design Thinking, Prototyping, Marketing and a lot more!



Prof. Madhav Murthy
Asst. Professor
Dept. of Mechanical
Engineering, BMSCE

Prof. Madhav Murthy is an academician par excellence with a rich background in technology and management. He serves as a faculty member in the Department of Mechanical Engineering, BMSCE. He is an expert in the field of polymer composites in mechanical engineering applications, and product design and manufacturing.

28th May 5.00pm - 6.30pm:

An Introduction to Importance of Product Design/Human centric design/Design Thinking

Role of common sense

Skills and abilities required to design a product/service

Discussion based sessions

29th May 5pm- 6.30pm:

IKIGAI, a Japanese concept of having a purpose in life as well as a path chosen to attain self-fulfillment through one's actions. IKIGAI will be introduced to be efficient and increase productivity using techniques of Time Management.

3rd June 5pm- 6.30pm:

Get ready to have your creative juices flowing as you will be making something new and valuable with a session on Introduction to Creativity and Innovation. The concept of creative and innovative thinking will be fostered in you with different Requisites, Techniques, and Hands-On Exercises to identify and hone your skill sets.

4th June 5pm- 6.30pm:

An introduction to Concept generation: Methods and validation, Prototyping & Marketing, Exercises on generating concepts

5th June 5pm- 6.30pm

An introduction to Integration of quality, Product release

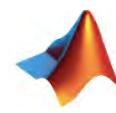
Case studies, Correlation and Conclusion

For more information contact:

Ritu: 9741466600

Spoorthi: 8296083493

Abhijay: 8310086545



MathWorks®



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

in association with

IIC BMSCE & IRSC BMSCE

presents a WORKSHOP on

"DEVELOPING IOT APPLICATIONS" using MATLAB

15th DECEMBER 2020

2:30 PM



MATHWORKS SPEAKERS

Dr. Spandhana Gonuguntla
Education Technical Evangelist

Dr. Deb Singdeo
Education Technical Evangelist

Internet of things

IOT

PLATFORM
GOOGLE MEET

[Register Here](#)

[MEET LINK](#)



Dr. K R SUDHINDRA

ASSOCIATE PROFESSOR

Dr. SUMA N

IIC PRESIDENT

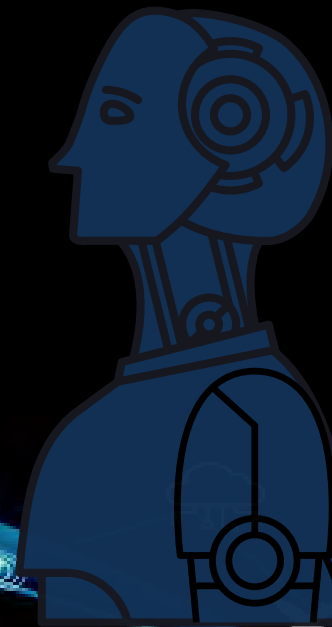
DHEERAJ R

STUDENT IIC COORDINATOR



For further details,

Contact- Mahima: 8296596444





35 of many

online workshop on "Developing IOT applications using MATLAB" Inbox

Sudhindra K R <krsudhindra.ece@bmsce.ac.in>

Sun, Dec 13, 2020, 7:17 PM



to Viceprincipal, ARATHI, Suma, Rajanikanth, me

Dear Sir,

As discussed, online workshop on "Developing IOT applications using MATLAB" is scheduled on 15th December 2020, 2:30 PM.

Dr. Spandhana Gonuguntla (Education Technical Evangelist, Mathworks) and Dr. Deb Singdeo (Education Technical Evangelist, Mathworks) will conduct hands-on sessions using MATLAB and Thinkspeak platform. The workshop will benefit the students of 7th Sem semester who have taken **IOT course** as elective and those who wanted to develop IOT applications."

[We hereby request you to formally inaugurate the workshop on 15th December 2020, 2:30 PM and deliver opening remarks](#)

The overall details of the workshop is mentioned below and brochure is attached herewith for information.

Agenda

The workshop will equip the participants with the knowledge and skill to undertake **application oriented hardware and IoT projects**.

Participants will get an overview of how to model and simulate using Simulink. The session will focus on deployment of the models on Hardware using Simulink and working with the ThingSpeak platform for IoT projects. This includes reading data from sensors, doing analytics and acting on the data.

Highlights

- Introduction to Simulink for modeling and simulation



- Introduction to Simulink for modeling and simulation
- Hardware deployment workflow
- ThingSpeak for IoT application

Speaker Profile:

Spandhana Gonuguntla

Spandhana is an Education Technical Evangelist at MathWorks India. She works with faculty and researchers across India to enable effective use of MATLAB and Simulink in their curriculum and research. She specializes in Data analytics, mathematical modelling, Machine Learning and Deep Learning workflows using MATLAB.

Prior to MathWorks, she studied smart actuating systems using mathematical models for her PhD. She graduated with a PhD in Chemical and Biomolecular Engineering from National University of Singapore, Singapore and a [B.Tech](#) in Chemical Engineering from National Institute of Technology Karnataka, Surathkal.

Deb Singdeo

Debanand Singdeo works as an Education Technical Evangelist at MathWorks India Private Limited (Pune). In this role, he collaborates with researchers with the aim of accelerating the pace of innovation in science and engineering. Also, he works closely with academic institutions for effective utilization of MathWorks resources in education. He has a Bachelor's degree in physics from Visva Bharati, Santiniketan, followed by MSc-PhD degree from the Department of Energy Science and Engineering, IIT Bombay. His prior research experience is in the area of modelling and simulation of renewable energy systems. In previous roles, he has worked as a postdoctoral fellow in the Department of Energy Technology, Aalborg University, Denmark.

Thanks & Rgds
Dr. K. R. Sudhindra
Dept. of E&C
BMSCE Bangalore



BMS College of Engineering
Department of EC, CS and Telecom Engineering
Invites you to

Webinar on Internet of Things

12th December 2020, 2:00 to 6:00 PM

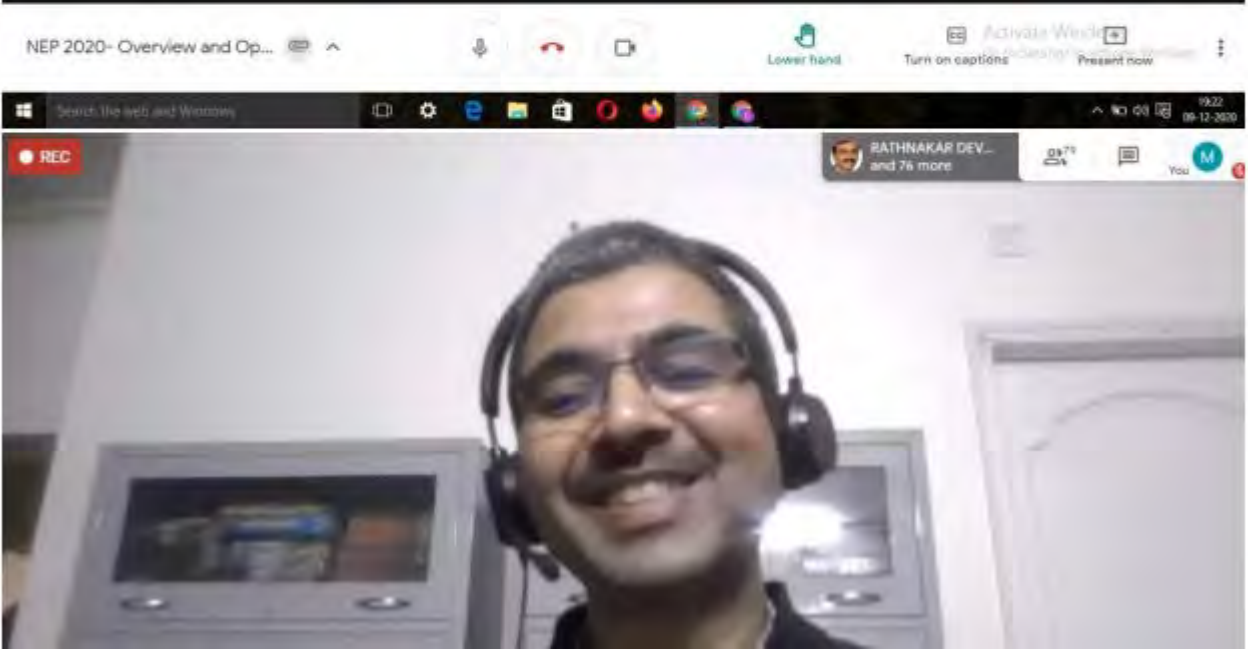
Topics	Time	Name of Resource Person	Venue
Introduction to IoT (WSN, its applications, WSN communication layers and related protocols, research scope/challenges in WSN)	2:00 to 6:00 PM	Dr. Shamanth N (Assistant Professor, <i>Dept. of Computer Science and Engineering, Dayananda Sagar University, PhD, BITS Pilani</i> , executed the project "Wireless Sensor Network Application for Monitoring of Gas Authority of India Ltd Gas Pipelines"). Research interests include Wireless Sensor Networks, Computer Vision, Internet of Things and Smart antennas)	Online Mode. Link will be shared later
WSN Simulator (WSN simulators and different types of network simulators available for research. Pros & cons of these simulators)			
Cooja Simulator (Description of the programming language used in Cooja simulator with a hands-on session - code development which can be used for simulation and real-time deployment)			
Hands-on Session (Hands-on session for installing Cooja Simulator and writing codes for simple applications such as mote-mote communication, frequency hopping, and codes to measure different performance metrics such as signal strength, delay and packet delivery ratio)			

Pre-Requisites:

- ❖ Laptop with Internet Connection

Dr. Rajanikanth K N
 Coordinator

Dr. Arathi R Shankar
 HOD, Dept. of ECE





2 of many



Monthly Activity 📧 Inbox x



Suma M N <suma.ece@bmsce.ac.in>

📧 Dec 21, 2020, 10:50 AM



to Preethu, Radha, Ec_office ▾

Dear Preethu,Radha,Vani

Following activities hosted by IIC in association with EC in December

1. Institution Innovation Cell-IIC BMSCE in association with Department of ECE and CSE,BMSCE , hosted webinar on "ORIENTATION SESSION ON NATIONAL EDUCATION POLICY - NEP 2020' , on 9th December 2020. Mr Gajanana Londhe, Executive Director, SAMVIT Research Foundation and Head, Strategy , Transformation, NOKIA INDIA, presented the overview and opportunities of NEP in HEIs.100 students participated in the event. Coordinated by Dr.Suma M N of ECE, President IIC and Dr.Kavitha Sooda from CSE Department, student activity coordinator, IIC. BMSCE.

2. Department of ECE in association with Institution Innovation Cell-IIC BMSCE , hosted skill development workshop on "DEVELOPING IOT APPLICATION"- on 15th December 2020. Dr. Spandhana Gonuguntla Education Technical Evangelist Dr. Deb Singdeo Education Technical Evangelist, Mathworks,INDIA were resource people who gave hands on workshop. Coordinated by Dr.Suma M N, ECE, President IIC and Dr.K R Sudhindra, Dr.Rajanikanth Kashi of ECE Department.80 students participated.

--

Regards,

Suma M N

Professor, Senior Member IEEE

Department of Electronics and Communication,

BMS College of Engineering,Bangalore



BMS College of Engineering
Department of EC, CS and Telecom Engineering
Invites you for

Webinar on Internet of Things

5th December, 2020, 2:00 to 4:30 PM

Topics	Time	Name of Resource Person	Venue
Introduction to IoT	2:00 to 4:30 PM	Amogh Kashyap, Telespazio VEGA, Germany , Germany	Online Mode. Link will be shared later
Wireless Technologies, data modeling		Amogh Kashyap, Telespazio VEGA, Germany , Germany	
Open Source Introduction		Chethan A, Nokia Networks	
Hands-on activity on the RESTFUL application		Amogh Kashyap/ Chetan A	

Pre-Requisites:

- ❖ Laptop with Internet Connection
- ❖ Any REST API client
- POSTMAN (Also available as a plugin on chrome but deprecated)
- cURL

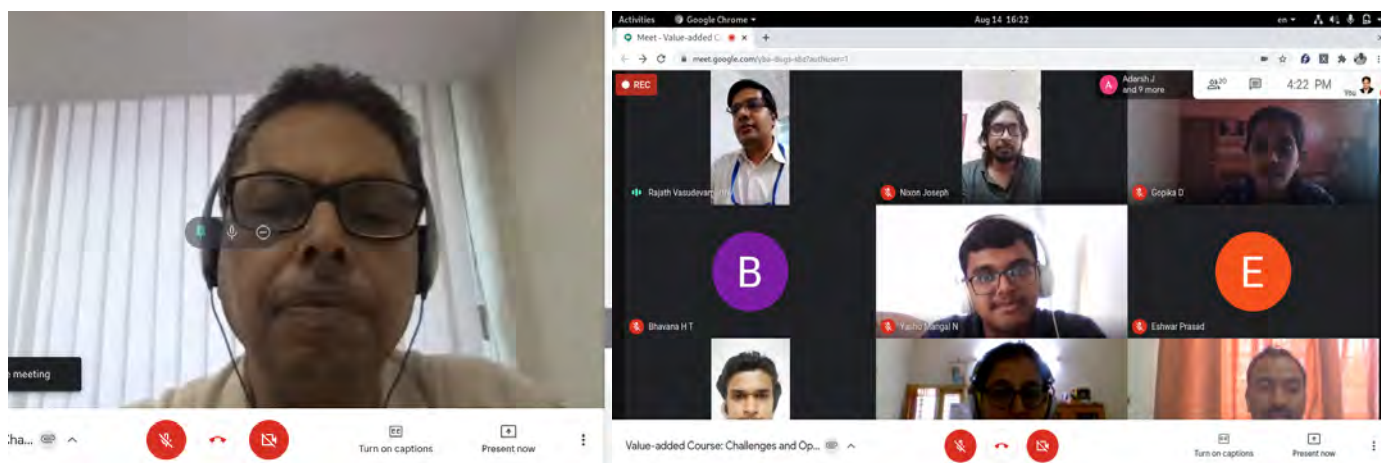
Dr. K R Sudhindra
Coordinator

Dr. Arathi R Shankar
HOD, Dept. of ECE

Report on the One-Week Online Value-added Course titled 'Challenges and Opportunities in the Semiconductor Industry'

The Department of Electronics and Communication Engineering of B.M.S. College of Engineering, Bengaluru in association with The Institute of Electronics and Telecommunication Engineers (IETE), Bangalore Centre organized a one-week online Value-added Course titled "Challenges and Opportunities in the Semiconductor Industry" from 10th to 14th August 2020. The coordinators of the programme were Dr. Rajath Vasudevamurthy and Dr. M. Anantha Sunil, both Assistant Professors in the Department of Electronics and Communication Engineering with Dr. Arathi R. Shankar, Head of the Department as the Organizing Chair.

On the first day of the one-week course, Dr. D. Sheshachalam, Chairman, Board of Studies, Electrical Sciences Cluster, and Professor, Dept. of ECE, B.M.S. College of Engineering welcomed all the participants and the dignitaries present at the virtual meeting for the inauguration of the programme. Dr. K. S. Vasundhara Patel, Convener, Centre of Excellence and Innovation and Professor, Dept. of ECE, B.M.S. College of Engineering highlighted the significance of value-added courses during the COVID situation and motivated the audience to make the best use of the opportunity. She also briefed the activities held by the Centre of Excellence in the past and urged the participants to make full use of the facility in the coming future. The programme was inaugurated by the Chief Guest of the day, *Śrī* Narendra Kumar Mohapatra, CEO, Electronics Sector Skills Council of India (ESSCI), New Delhi who enlightened the audience about the various opportunities in the Electronics Sector and shared his vision that academia must be like the research wing for indigenous industries. Other office bearers from ESSCI, *Śrī* Neeraj Sharma (Manager, Training & Quality Assurance) and *Śrī* Krishna Kumar (General Manager – Industry Affiliation) also attended the inaugural session.



Left: *Śrī* Narendra Kumar Mohapatra, CEO, Electronics Sector Skills Council of India (ESSCI), New Delhi addressing the audience during the inauguration of the One-Week Online Value-added Course. 60 people are seen to be in the meeting.

Right: Group photo consisting of some of the participants after the valedictory function. 25 participants are seen to be in the meeting.

The Value-added Course was financially self-driven with the resource persons being from India's premier institutes such as Indian Institute of Science, from industry such as Intel, Synopsys, Audience, and from successful start-up companies. We witnessed a total number of 53 participants from various engineering colleges, few of whom were from outside of Bengaluru. The participants were from various engineering disciplines such as Electronics & Communication, Electronics & Instrumentation, Electronics & Telecommunication and Medical Electronics.

Objective of the Course:

The semiconductor industry has seen rapid progress in the past few decades; but for the most part academia, especially the engineering colleges haven't been able to catch up with the ever-changing demand by introducing new and relevant courses. Hence this course is conceived to patch up the said gap by having expert lectures from researchers, industry personnel, entrepreneurs and academicians. The intent of this course is to expose the student participants to some novel project ideas which they can carry out during their remaining time at college and be better prepared for industry. Faculty participating in the course are expected to takeaway some key ideas for their teaching and research to prepare students to become industry-ready.

Schedule of the Programme:

The programme was conducted for 5 days from 10th to 14th August 2020 for about two hours between 11:00 AM and 1:00 PM before lunch and between 2:00 PM and 4:00 PM after lunch. The speakers and the key outcomes of the different days of the programme are as follows:

1 10th August 2020

Forenoon: Mr. Sagar Gubbi, Research Scholar, Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru spoke on the topic “Data Driven Robotics”. He highlighted the use of machine learning algorithms in training robots to do certain tasks on the fly, such as pick (a particular object as shown by an expert trainer)-and-place (at a location shown by the expert trainer).

Afternoon: Mr. Sabyasachi Nag, Director, Azventa Technologies, Bengaluru spoke on the topic “Low Power Optimization for Digital Circuits”, where he summarized the techniques typically used in digital VLSI design to conserve power.

2 11th August 2020

Forenoon: Mr. Satya Sai Evani, Senior Staff Engineer, Audience (Knowles Corporation) spoke on the topic “An Overview of System on-Chip Design”, where he discussed the various aspects of system on-chip design from conception to tapeout.

Afternoon: Mr. Siddharth Maurya, Product Design Manager for SPICE Tools spoke on the topic “Skillset Required for Semiconductor Jobs”, where he highlighted the courses that an engineering student desirous of a good semiconductor industry job must take seriously, such as Digital Circuit Design, Analog Circuit Design, Engineering Electromagnetics and Electronic Devices.

3 12th August 2020

Forenoon: Dr. Veda S. Nagaraja, Associate Professor, Dept. of ECE, Nitte Meenakshi Institute of Technology, Bengaluru spoke on the topic “Opportunities for Research in MEMS and VLSI”, where she presented the various avenues for research and development of sensors and actuators on MEMS platform, and also the readout circuitry for sensors in VLSI.

Afternoon: Dr. Srinath R. Naidu, Associate Professor, Dept. of CSE, Amrita Vishwa Vidyapeetham, Bengaluru campus spoke on the topic “Electronic Design Automation: An Algorithmic Perspective”, where he discussed the main topics of Static Timing Analysis (STA) and Statistical Static Timing Analysis (SSTA). The speaker highlighted the fact that mostly simple and elegant algorithms will find acceptance and adoption in the Design Automation industry, while academia tends to come up with fancy and complex algorithms.

4 13th August 2020

Forenoon: Mr. Tejas Tallam, Director, Fabritronicx Electronics Private Limited, Bengaluru spoke on the topic “Product Engineering and Entrepreneurship”, where he detailed the issues concerning product engineering taking ventilator as a case study. The speaker also discussed various concepts of electronic products in different sectors such as defence, navy etc.

Afternoon: Mr. Ganesh Shankar, Founder & CEO, FluxGen Technologies Private Limited, Bengaluru spoke on the topic “Product Prototyping using IoT”, where he discussed his personal journey of building a smart microgrid (power) network in a remote village of Belgaum district on the boundary of a wildlife sanctuary, using solar power. The speaker also briefly presented the solution they have come up with to reduce water consumption using IoT.

5 14th August 2020

Forenoon: Dr. Suraj Sindia, Engineering Manager, Intel Corporation, Hillsboro, Oregon, USA spoke on the topic “Integrated Circuit Test and Career Opportunities”, where he highlighted the need for testing of integrated circuits and made a clear distinction between verification of design and testing after fabrication. He also highlighted the various roles a test engineer can play in a semiconductor industry.

Afternoon: Dr. K. Yellaeswar Rao, Associate Professor, Faculty of Physics, Vignan’s Institute of Information Technology, Vishakhapatnam spoke on the topic “Recent Advances in Battery Technology”, where he highlighted the advances in the fabrication and operation of Lithium-ion batteries in conjunction with thin-film fabrication technology.

On 14th August 2020, which was the last day of the programme, Dr. K. Yellaeswar Rao’s talk was followed by the valedictory function. Dr. S. G. Shivaprasad Yadav, Associate Professor, Dept. of Telecom Engg., Ramaiah Institute of Technology, Bengaluru was the chief guest for the valedictory function, who represented IETE Bangalore Centre; along with the presiding presence of Dr. Arathi R. Shankar, Head of Department, ECE, B.M.S. College of Engineering.

The dignitaries and participants were welcomed to the valedictory function by Dr. Arathi R. Shankar, followed by a brief address by Dr. Shivaprasad Yadav on the activities of IETE Bangalore Centre. Two participants of the course, Nikitha V and Yasho Mangal N, volunteered to come live and gave their feedback about the programme. The programme was formally concluded with vote of thanks by Dr. Rajath Vasudevamurthy.

Dear Professors,

The “**Workshop on 5G Evolution**” from Nokia is here to be delivered to the **postgraduate students** of all the University Collaboration Colleges.

Event: “Workshop on 5G Evolution”

Date : 18th, 19th March & 25th, 26th March, 2021

Registration Opens: 25th Feb, 2021

Registration Closes: 10th Mar, 2021

Request you to kindly circulate the attached brochure to the postgraduate students from the relevant branch in your college. The brochure contains the registration link, using which the students can nominate themselves for the course.

We will send the calendar invites to all the nominees, after closing and consolidating the registrations.

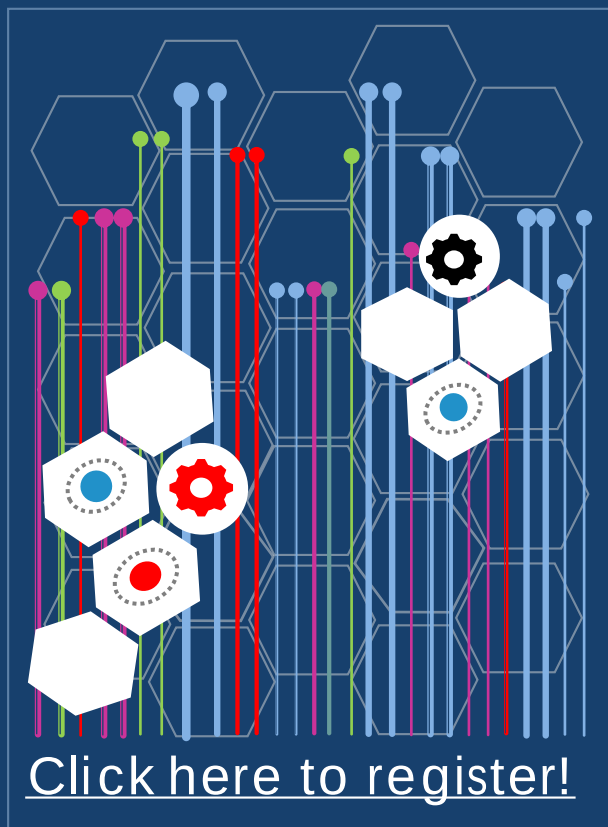
Any further clarification on this topic, kindly contact the respective college champions.

Thank you,

Best Regards,
Nokia University Collaboration Team, Bangalore.



**[Click here to access the
Registration Form](#)**



Workshop on 5G evolution

Experiential learning through simulations and real-time LTE and 5G networks

March 2021

18th, 19th

25th, 26th

NOKIA



NOKIA BANGALORE
UNIVERSITY COLLABORATION

Program

- Introduction to LTE, Channel Structure of LTE, Downlink OFDMA Radio Resource, Uplink SC FDMA Radio Resource.
- Overview, Downlink shared channels, Downlink Control Channels, Broadcast channels, Multicast channels, Downlink physical channels, HARQ on Downlink
- Overview, Uplink shared channels, Uplink Control Information, Uplink Reference signals, Random Access Channels, HARQ on uplink
- Hybrid ARQ procedures, Channel Quality Indicator CQI feedback, Precoder for closed loop MIMO Operations, Uplink channel sounding, Buffer status Reporting in uplink, Scheduling and Resource Allocation, Cell Search, Random Access Procedures, Power Control in uplink
- Decoding of the physical layer messaging for each of these procedures from the call flow traces from a real network
- PDCP overview, MAC/RLC overview, RRC overview, Mobility Management, Inter cell Interference Coordination
- Everything about 5G with an end-to-end call demo!
- Hands-on experiential learning through simulation



Program outcome...

- Associate terms in the system architecture to the functional standard specified in LTE.
- Analyse the role of LTE radio interface protocols and EPS Data convergence protocols to set up, reconfigure and release data and voice from users.
- Demonstrate the UTRAN and EPS handling processes from set up to release including mobility management for a variety of data call scenarios.
- Test and Evaluate the Performance of resource management and packet data processing and transport algorithms.

Speakers

- **Wireless fundamentals up to evolution of LTE**
Vivek R Anand, Nokia
- **Overview and Channel Structure of LTE**
Rajiv Narahari, Nokia
- **Downlink Transport Channel Processing**
Kiran C P, Nokia
 - **Hands on session virtually through Simulations**
Arasu M, Nokia
- **Uplink Channel Transport Processing**
Kiran C P, Nokia
 - **Physical Layer Procedures**
Rajat Duggal, Nokia
 - **Hands-on through virtual session**
Rajat Duggal, Nokia
- **Radio Resource Management and Mobility Management**
Prateet Erayi, Nokia
 - **Hands on through virtual session**
Prateet Erayi and Vivek R Anand, Nokia
- **5G evolution, 5G architectures, call flows**
Shilpa Puttegowda, Nokia
- **Introduction to IMS and call scenario**
Maneesh K P, Nokia



Advisories

Dr. K. N. Rama Mohan Babu
Professor & HOD,
Department of Information Science & Engineering
Dayananda Sagar College of Engineering

Dr. A. Srinivas
Dean, School of Engineering and
Professor of Computer Science
Dayananda Sagar University

Dr. K. N. Subramanya
Principal, RVCE

Dr. K. R. Sudhindra
Department of E&C
BMS college of Engineering

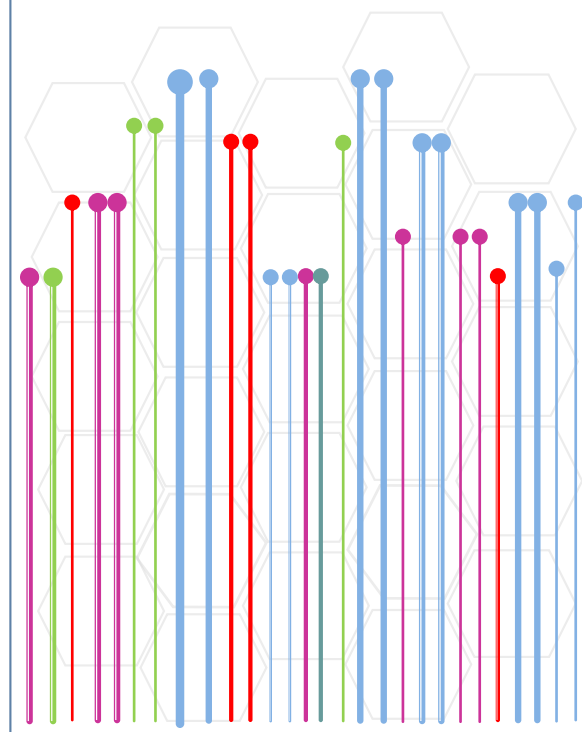
Mr. Yashwanth. S. D
Assistant Professor, E&C
SJCE, Mysuru

Dr. P. Devaki
Professor and Head ,
Department of Information science and Engineering,
NIE , Mysuru

Organizers

Rajat Duggal, Nokia

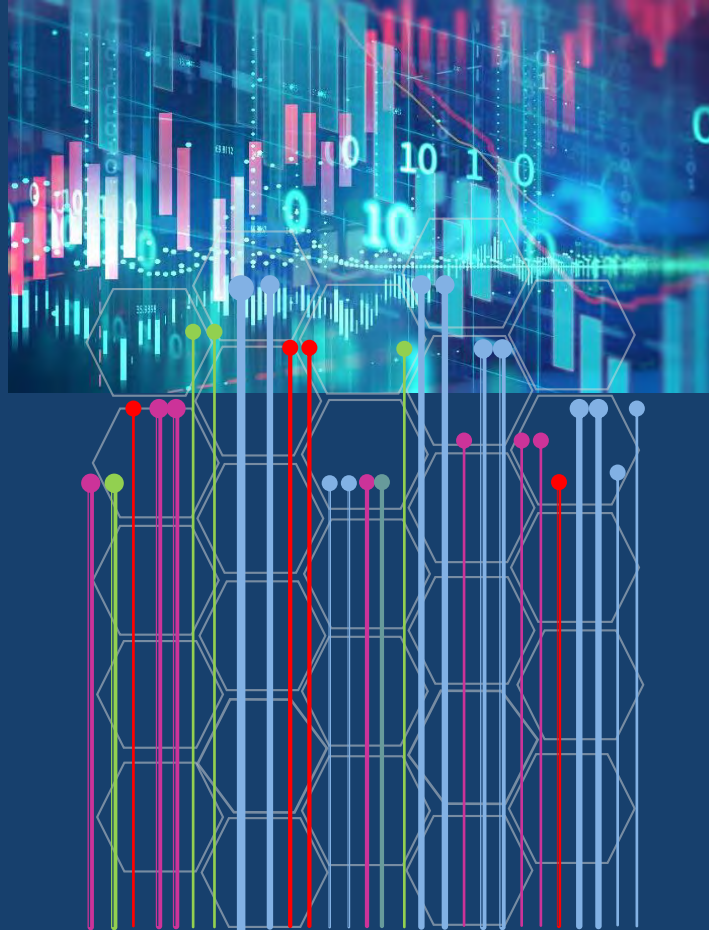
Chandrakala Mallikarjunaiah, Nokia



About Nokia...

Driving innovation for tomorrow and delivering technology today, we make businesses more productive, environments cleaner, workplaces safer, economies stronger and people's lives richer.

Our communications service provider customers support more than 64 billion subscriptions with our radio networks, and our enterprise customers have deployed over 1300 industrial networks worldwide.



5G...

Fifth-generation wireless (5G) is the latest iteration of cellular technology, engineered to greatly increase the speed and responsiveness of wireless networks. With 5G, data transmitted over wireless broadband connections can travel at multigigabit speeds, with potential peak speeds as high as 20 gigabits per second (Gbps) by some estimates.

These speeds exceed wireline network speeds and offer latency of 1 millisecond (ms) or lower, which is useful for applications that require real-time feedback. 5G will enable a sharp increase in the amount of data transmitted over wireless systems due to more available bandwidth and advanced antenna technology.

About the workshop

This is a unique skill development workshop for academicians, from the industry experts. This partnership program is targeted for postgraduates who aim to upgrade their know how on LTE/5G technologies and its application in real time use cases. This workshop ranges from theoretical overview to practical understanding that imparts participants with an idea of how the network can be designed and implemented in real use cases. It is an exclusive platform where industry experts and hands on practitioners will share experience and knowledge. The workshop offered by Nokia is beyond theory! The workshop is conducted by an experienced team of R&D experts who work with operators, vendors, systems integrators and enterprises around the world, and innovate. The workshop will bring a clear understanding of how 5G delivers faster speed, less latency, when connecting to the network and the ability to connect many devices to the internet handling many users with heavy traffic without bogging it down.





Department of Industrial Engineering and Management
B.M.S. College of Engineering, Bengaluru - 19

Organises one day International conference on
“OPERATIONS MANAGEMENT, SYSTEMS AND BUSINESS
ANALYTICS (COMSBA – 2021)”
(26 March 2021)

Conference Report

In association with
Rajagiri Business School & Rajagiri College of Social Sciences, (Autonomous),
Kochi, Kerala and IISE IIT Kharagpur Students Chapter, Kharagpur, India.

About the conference

The conference was jointly organised with Rajagiri Business School & Rajagiri College of Social Sciences, (Autonomous), Kochi, Kerala and IISE IIT Kharagpur Students Chapter, Kharagpur, India.

The main objective of the conference was to provide a platform for academicians and practitioners to exchange knowledge and gain insights on the current technologies, techniques and solutions and also to integrate in Industrial Engineering, Operations Management, Systems and Business Analytics domain.

Conference broacher was circulated to IITs, IIMs, NITs, various reputed engineering colleges and business schools. We also roped Easychair platform for uploading and reviewing the manuscripts sent by various researchers and academicians. We received a total of 30 research articles out of which 19 participants from various domains registered for the conference.

Due to COVID pandemic organizing committee decided to conduct on-line conference and chose Zoom platform.

The welcome address was delivered by Prof. Mani P Sam, Professor, Operations and Systems, Rajagiri Business School. Dr. Sunil Puliyakot, Director, Rajagiri Business School gave the speech about conference theme and about Rajagiri Business school.



(Left to Right: Prof. Arun George, Prof. Mani P Sam, Dr. Sunit Puliyakot, and Dr. Angela Susan)

Dr. B Ramesh Nayak, Assoc. Prof and Head, Department of Industrial Engineering & Management. B.M.S. College of Engineering, Bengaluru addressed the gathering about conference.



Dr. Angela Susan, Associate Dean Academics, briefed about the COSMB2021 conference.

Lastly inaugural address about the conference was delivered to the audience by Dr. B V Ravishankar, Principal, B.M.S. college of Engineering, Bengaluru.



At the end of session, Mr. Abraham Thomas is the co-founder and Chief Data Officer of Quandl. delivered keynote address on data acquisition, data engineering, data science and research, and data delivery to the audience. The participants highly appreciated about Mr. Abrahams rich knowledge on data science and its industrial application.



e- Certificates were issued to all the participants who had successfully presented their work in the conference.



Detailed statement of expenditure

International Conference on “OPERATIONS MANAGEMENT, SYSTEMS AND BUSINESS ANALYTICS (COMSBA – 2021)”

Expenses Summary

Sl.no	Date	Bill. No	Particulars	Amount (Rs.)
1.	23 rd March 2021	316 (Rajagiri Business School)	Bulk Registration for B.M.S. participants	4000.00
2.	25 th March 2021	UCS/6849 (Futura Digital)	Banner and conference brochures cum booklets	2674.00
3.	25 th March 2021	272 (Sri Vishvesha Agencies)	Transportation	300.00
4.	25 th March 2021	07 (Maharaja Stationery Spot)	Stationery items	340.00
5.	25 th March 2021		Refreshments	100.00
Total expenses Incurred (i) (Rupees Seven Thousand Four Hundred and Fourteen only)				7414.00
Advance amount received from the College (ii)				10,000.00
Amount to be returned to college (ii – i) (Rupees Two Thousand Five Hundred and Eighty Six only)				2586.00

(Dr. Ramesh K T)

COSMB-20201 Conference Board member

(Dr. B Ramesh Nayak)

Assoc. Prof. & Head, Dept. of IEM, BMSCE

Name of the Department: Computer Science & Engineering

Name of the Activity: Online Workshop On “Design Thinking”

Objectives:

- To be able to decide on the problem statement for the Hackathon
- Activity based workshop to highlight how Design Thinking would be useful for arriving at the solution

Date, Time and Venue of the Activity: 18th July 2020, 2:30 PM - Online Mode

Name and details of collaborating agency: IEEE SB BMS and CodeIO

Brief Summary of the Programme:

The Department of Computer Science and Engineering in association with </CodeIO> and IEEE-BMSCE SB organized a Pre-Hackthon online workshop on “Design Thinking” on 18th July 2020 from 2:30 PM onwards. The resource person for the workshop was Mr. Kaustubh Padakannaya who is the Co-Founder of a startupPyse.

This workshop was conducted for all the participants who have registered for the hackthon on “Sustainability” (24 hour online hackathon) to be conducted on 25th July 2020. Around 80 students from various colleges such as B.M.S. College of Engineering, PES University, Dr.Ambedkar Institute of Technology, MSRIT, BIT, BNMIT, Nitte Meenakshi Institue of technology, VelTech Institute of Technology (Chennai), Saranathan College of Engineering (Tiruchirappalli) attended the workshop. Students from various departments such as CSE, ISE, Electronics and Communication, Telecommunication, Mechanical had registered. The workshop was conducted online through Cisco Webex platform.

This was mainly an activity based workshop where initially Mr. Kaustubh gave them an idea of the various phases in Design Thinking process. Later, participants were asked to form groups and come up with a problem statement and various solutions possible based on the Design Thinking process. 45 minutes of time was given to discuss and come up with ideas. At the end of the workshop, few teams were asked to present their idea and suggestions for the same were given.

Feedback was collected online at the end of the session via Google Forms and overall participants said it was useful session and looking forward to more such sessions.

Outcomes:

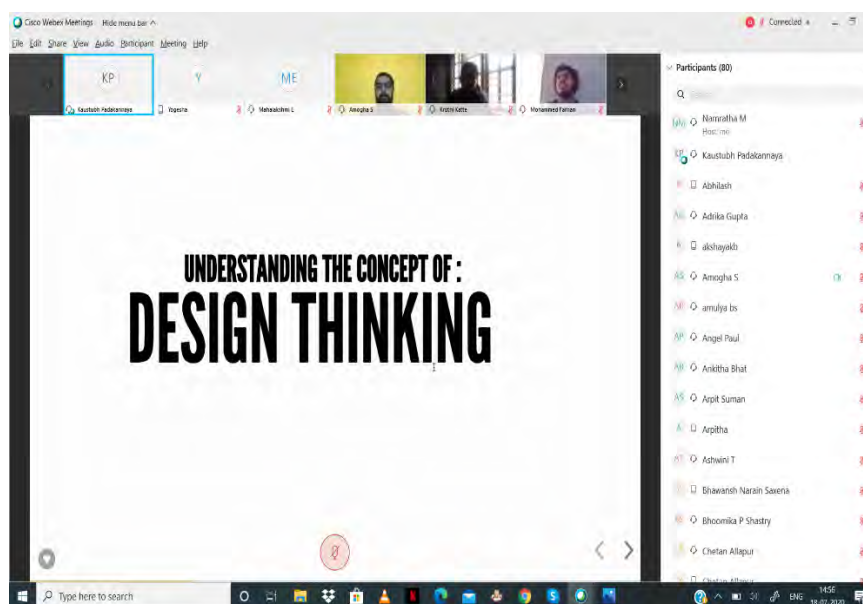
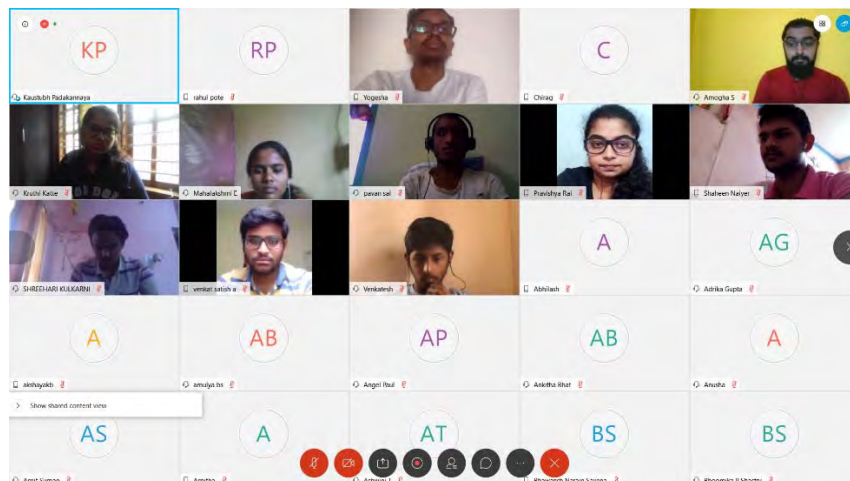
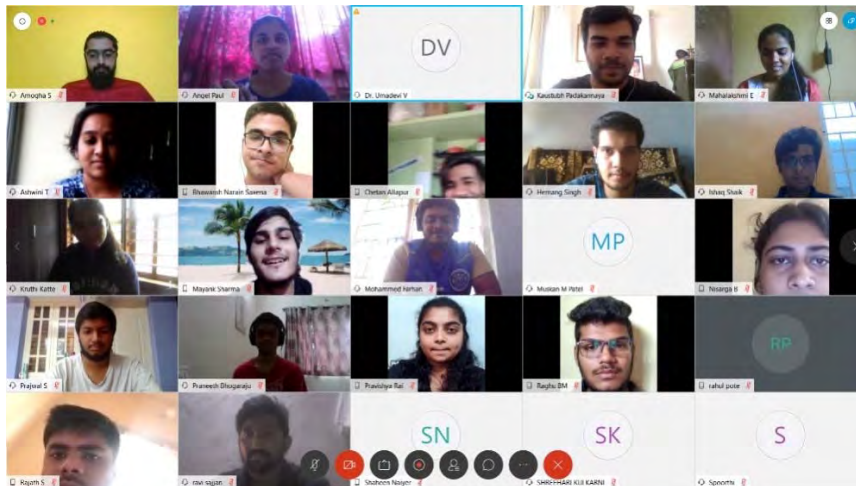
- Prerequisite for the Hackthon on sustainability
- Problem statement selection for the Hackathon

Number of participants: 80 UG Students

Internal Participants: 10

External Participants: 70

Relevant photographs of the event:



Attendance List for the workshop

Name	USN	Department	College
Angel Paul	1MS18CS019	CSE	MSRIT
Mohammed Farhan	1DA17CS082	CSE	Dr Ambedkar Institute of Technology
Venkat Satish A	1MS18CS134	CSE	MSRIT
Yogesha M J	1DA18ME447	ME	Dr Ambedkar Institute of Technology
Pravishya Rai	1BM18IS414	ISE	BMSCE
ShaheenNaiyer	19UECS0882	CSE	Vel Tech Dr.RR& Dr.SR Technical University, Chennai
Abhilash	19UECS1056	CSE	Vel Tech Dr.RR& Dr.SR Technical University, Chennai
Adrika Gupta	1MS19CS007	CSE	MSRIT
Akshaya K B	-	IT	Sri Sairam College of Engineering
Amogha S	1DA17CS013	CSE	Dr Ambedkar Institute of Technology
Amulya B S	1OX19MCA60	MCA	Oxford College of Engineering
Ankitha Bhat	1DA17CS019	CSE	Dr Ambedkar Institute of Technology
ArpitSuman	1BM19CS026	CSE	BMSCE
ArpithaHegde	1BM19SCN03	ISE	BMSCE
Ashwini T	1MS18CS401	CSE	MSRIT
Bhawansh	1MS19CS035	CSE	MSRIT
BhoomikaShastri	1DA17CS027	CSE	Dr Ambedkar Institute of Technology
ChetanAllapur	2AV17CS005	CSE	AGM Rural Engineering
Mahalakshmi E	1MS18CS049	CSE	MSRIT
IshaqShaik	1MS19IS109	ISE	MSRIT
Hemang Singh	1BM19CS061	CSE	BMSCE
KruthiKatte	1DA17CS065	CSE	Dr Ambedkar Institute of Technology
Mayank Sharma	1BG18IS022	ISE	BNMIT
Muskan Patel	1OX17EC031	ECE	Oxford College of Engineering
Nisarga B	1OX17EC037	ECE	Oxford College of Engineering
Prajwal S	1MS19CS089	CSE	MSRIT
Praneeth B	1BM18CS023	CSE	BMSCE
Raghu B M	1DA18ME430	ME	Dr Ambedkar Institute of Technology
Rahul Pote	2AV15CS032	CSE	AGM Rural Engineering
Rajath S	1DA18ME093	ME	Dr Ambedkar Institute of Technology
Ravi Sajjanar	1BM19CS127	CSE	BMSCE
Shreehari Kulkarni	1BM19CS153	CSE	BMSCE
SpoorthiKarani	1MS18CS123	CSE	MSRIT
VarshaRyali	1BM18IS119	ISE	BMSCE
Pooja	1DA17CS018	CSE	Dr Ambedkar Institute of Technology
Keerthan H S	1DA17CS063	CSE	Dr Ambedkar Institute of Technology
NayanBhushan	1DA17CS092	CSE	Dr Ambedkar Institute of Technology
Pavan Sai	1UECS0032	CSE	Vel Tech Dr.RR& Dr.SR Technical University, Chennai
Rajath S	1DA18ME093	ME	Dr Ambedkar Institute of Technology
Rahul K R	1DA17CS128	CSE	Dr Ambedkar Institute of Technology

Lavanya V	1OY19MCA54	MCA	Oxford College of Engineering
Madhuri	1BG18IS021	ISE	BNMIT
Mohana	-	IT	Sri Sairam College of Engineering



B.M.S COLLEGE OF ENGINEERING
Autonomous Institute, Affiliated to VTU
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organized by Protocol Club



WORKSHOP ON ML/DL

OBJECTIVES:

1. To train students in machine learning, deep learning and artificial intelligence which is a growing demand in the IT industry
2. To help participants analyse complex data and detect trends and help solve problems.
3. To teach participants to develop fast and efficient algorithms and data-driven modules for real time processing of data.

Date: 2nd-4th October 2020 **Platform:** Google Meet

Faculty Coordinator:

Asha GR

Student Coordinators:

Harsh Shankar Rao
Harshit Hiremath
Rajath Kotyal
Sakshi Srivastava
Prathibha R

Name of the collaborating agency - NIL

SCHEDULE:

DAY 1-

- Introduction to ML.
- Difference between ML/DS/AI
- Techniques in data science for predictive analysis.

DAY 2-

- Need for neural sets
- Working of ANN ,brief about backpropagation
- Some examples of an ANN
- Language and it's representation
- Word embeddings and their significance
- Different models for word representation

DAY 3-

- Language modelling(need and application)
- Previous work and current state of the art
- Some example project(hands on)on language modelling

OUTCOMES:

1. Apply knowledge to analyse and solve company problems
2. Key to unlocking the value of corporate and customer data.
3. Participate in coding events and innovative solutions to problem statements.

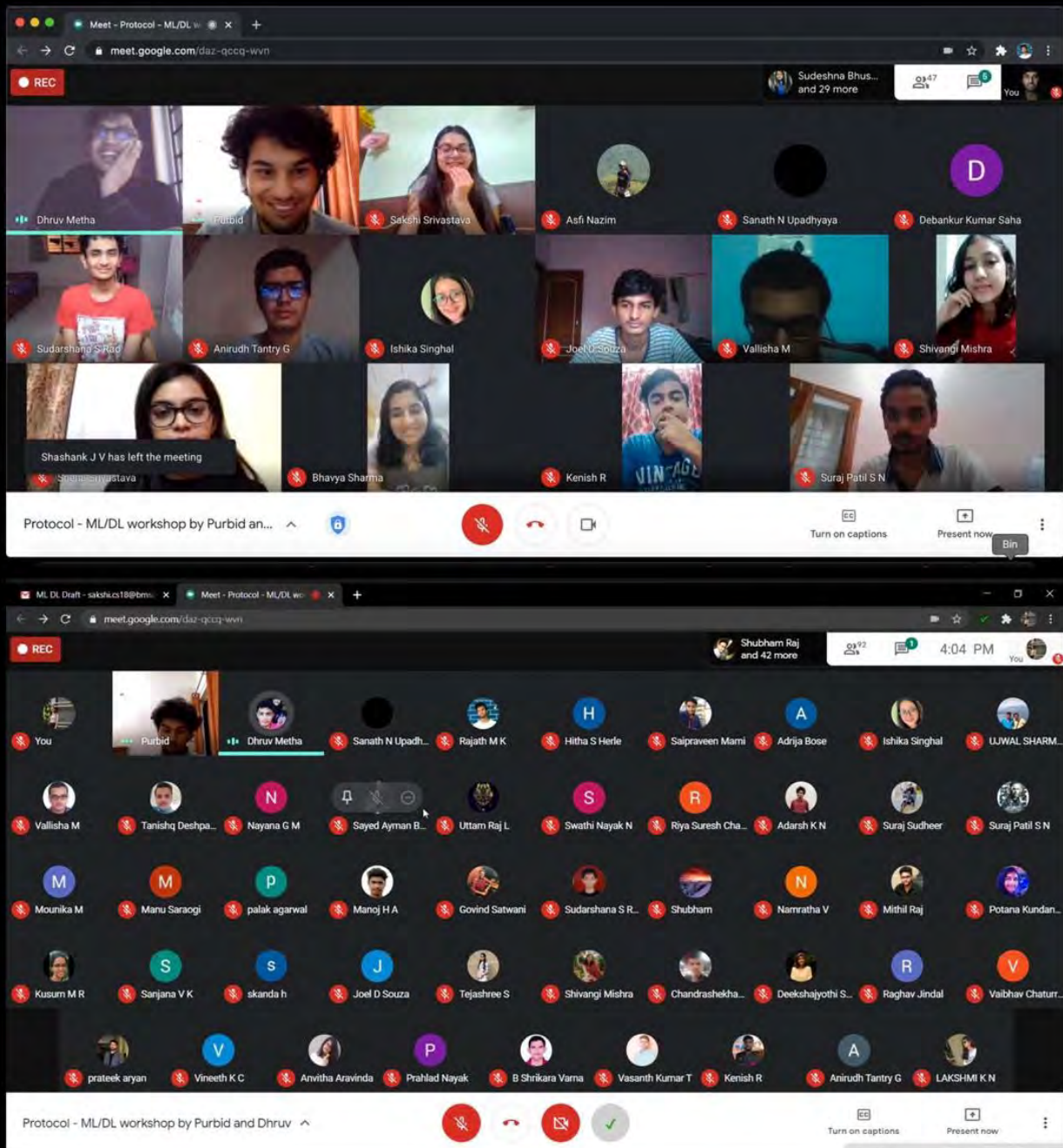
No. of participants - 40

ATTENDANCE SHEET:

List of the Students:
Shivangi Mishra
Abhinandhan Udupa
Anjali Bhardwaj
Ishika Singhal
Vaishnavi Jagdale
Sneha Srivastava
Mallika Prasad
Bhavya Sharma
Amrita Chauhan
Pranav D Deshpande
Jeol D souza
Ujwal Sharma S
Asfi Nazim
Skanda H
Shweta Patil
K S Eshwar Subramanya Prasad
Sanath N Upadhyaya
Chandana Lakshman Hegde
Vaibhav Chaturvedi
Kenish R

Debankur Kumar Saha
Namratha V
Rakesh P Shanbhag
Potana Kundana Sai Priya
Shubham Raj
Divya K M
Shashank J V
Sayed Ayman Bukhari
Kusum M R
Anirudh Tantry G
Ashita D Jawali
Sudarshana S Rao
Rishabh R Mehta
Nayana G M
Saipraveen Marni
Rajath MK
Harsh Shankar Rao
Sakshi Srivastava
Sai Jayanth Pasupuleti
Manu Saraogi
Sudeshna Bhushan

Screen Shots of the WorkShop:



Name of the Department: Computer Science & Engineering

Name of the Activity: Online Session On "Mongo, Flutter and Node"

Objectives:

- To equip students with basic knowledge MongoDB, NodeJS and Flutter to help them build projects
- Hands-on for each of the above technologies

Date, Time and Venue of the Activity: 7th September 2020 (10:30 AM), 9th September 2020 (4:00 PM) and 10th September 2020 (4:00 PM) - Online Mode

Name and details of collaborating agency: CodeIO

Brief Summary of the Programme:

The Department of Computer Science and Engineering in association with CodeIO club and IEEE BMSCE-SB conducted online/virtual hands-on workshops on topics such as Mongo, Flutter and Node on 7th, 9th and 10th September 2020. About 60 students participated in the workshops. The main objective of the sessions was to not only help the students with their 5th semester project work but also to understand the need and importance of MongoDB, Non-Relational databases, Flutter and other front end frameworks and NodeJs in the industry.

The Mongo session conducted by Kratharth Hegde was held on 7th September from 10.30 A.M – 12.30 P.M and covered topics such as Introduction to Databases, Types of Databases, Introduction to Mongo, Difference between SQL and Mongo, when to use relational databases and when to use non-relational databases and the participants also tried some basic Mongo queries on their laptops/desktops.

The Flutter session conducted by Shehyaaz Khan Nayazi was held on 9th September from 4 P.M – 6 P.M and covered topics such as introduction to flutter, introduction to dart, asynchronous programming, difference between stateful and stateless widgets, Simple flutter applications and packages in flutter.

The NodeJs session conducted by Kedar Shenoy was held on 10th September from 4 P.M – 6 P.M and covered topics such as Introduction to NodeJs, Comparison of Node with other Frameworks such as PHP, Introduction to NPM, CRUD through REST API, Introduction to express and mongoose, introduction and a general look at Robo 3t, CRUD TOOLS API building with GET, POST, PUT and DELETE methods.

Outcomes:

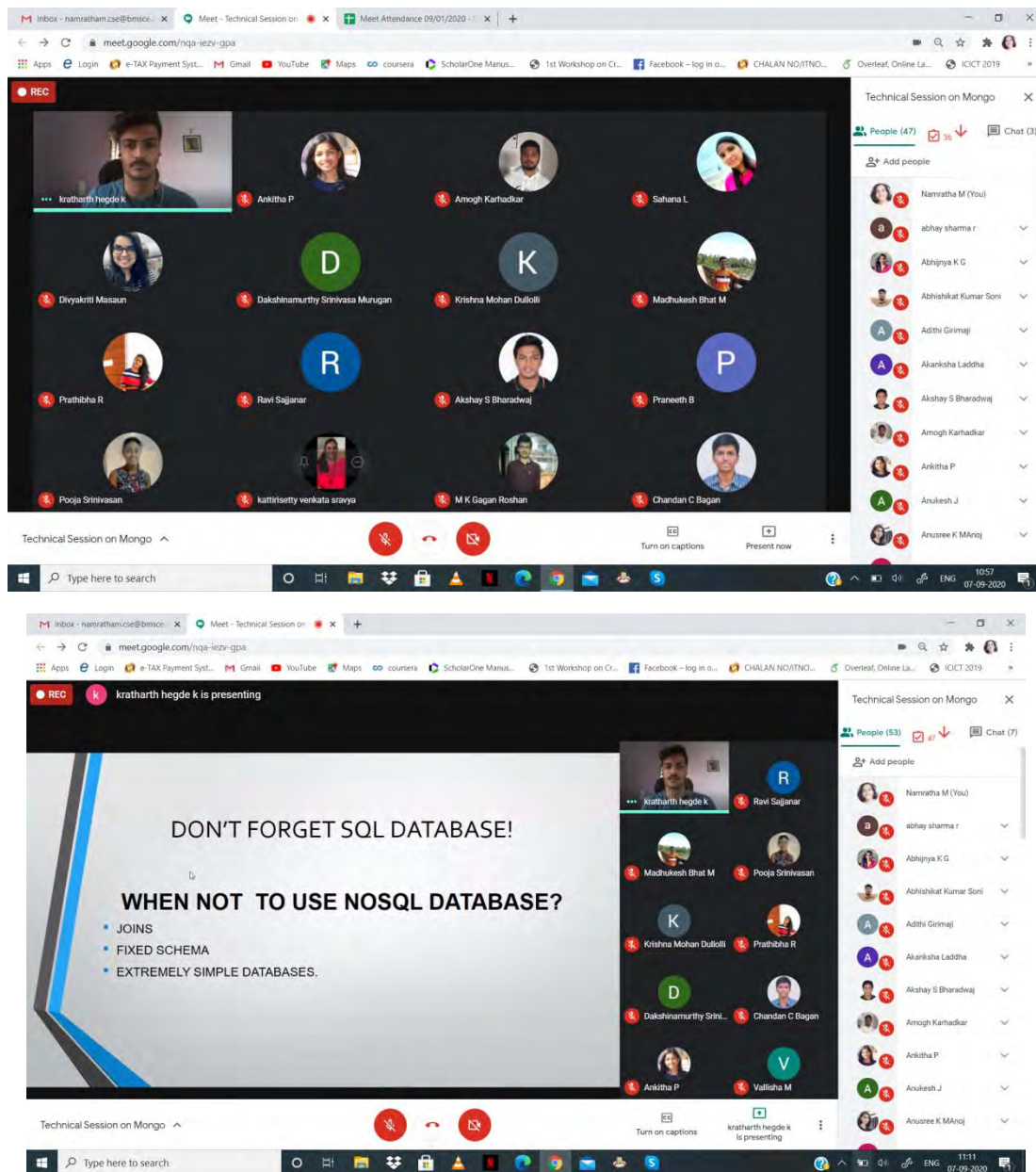
- Students can start with developing projects using MongoDB, NodeJS or Flutter
- Resources for getting started with the technologies

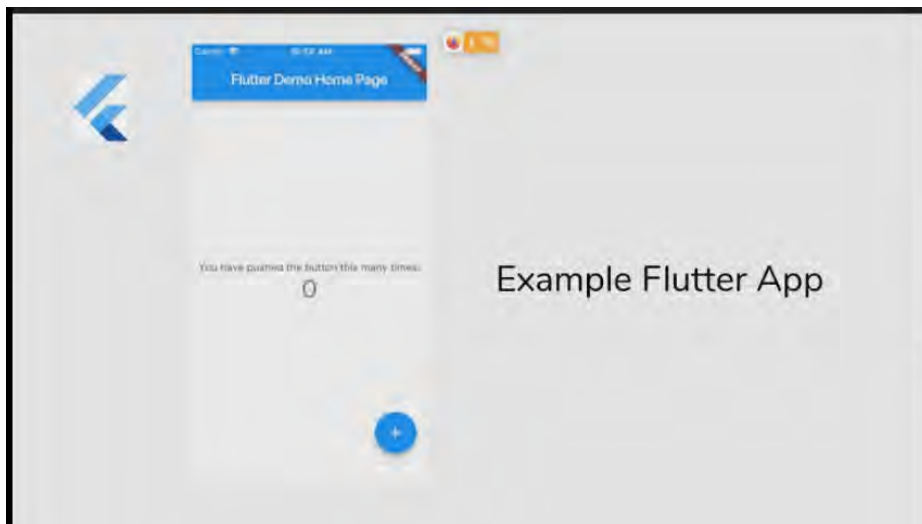
Number of participants: 60 UG Students

Internal Participants: 60

External Participants: NIL

Relevant photographs of the event:

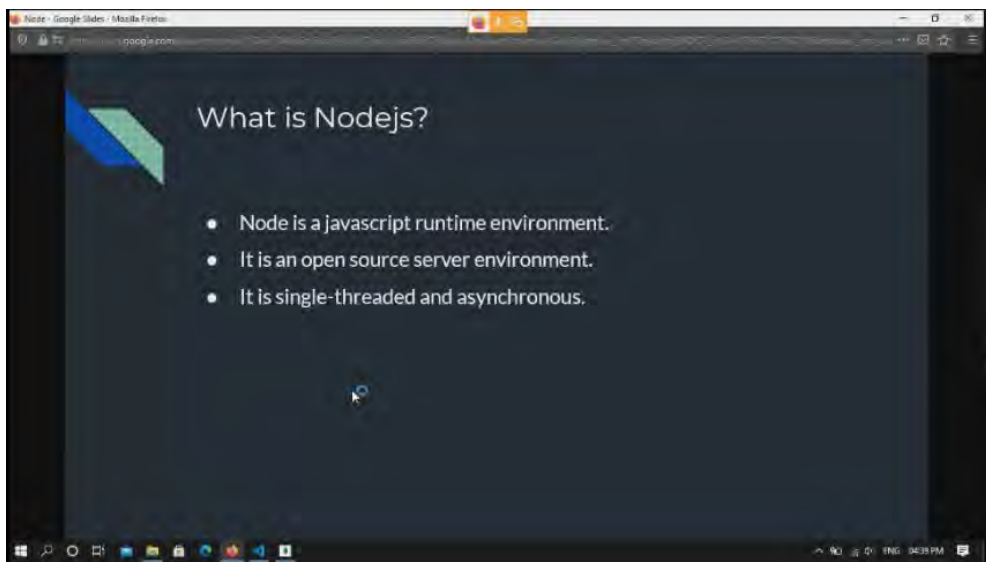




The image shows a Flutter application running in a browser. The app has a blue header with the Flutter logo and the text "Flutter Demo Home Page". Below the header, there is a text label "You have pushed the button this many times:" followed by a counter "0". At the bottom, there is a blue circular button with a white "+" sign. The text "Example Flutter App" is displayed to the right of the app interface.

Example Flutter App

shehjaaz nayazi



The image shows a Google Slides presentation titled "What is Nodejs?". The slide content includes a list of bullet points: "Node is a javascript runtime environment.", "It is an open source server environment.", and "It is single-threaded and asynchronous." The slide is displayed in a browser window with the URL "https://www.google.com". The Windows taskbar is visible at the bottom of the screen.

What is Nodejs?

- Node is a javascript runtime environment.
- It is an open source server environment.
- It is single-threaded and asynchronous.

kedar shenoy

Name of the Department: Computer Science & Engineering

Name of the Activity: Online Session On “Placement Tips And Discussion”

Objectives:

- To equip students with basic knowledge before the placements
- To overcome the fear among students during interview process
- Discussion with seniors and narration of their experience

Date, Time and Venue of the Activity: 22nd May 2021, 2:00 PM - Online Mode

Name and details of collaborating agency: CodeIO

Brief Summary of the Programme:

The <CodeIO/> club of B.M.S.C.E in association with the Department of Computer Science and Engineering, B.M.S.C.E conducted an online session on “Placement guidance session for juniors” on 22nd May 2021 from 2:00 P.M to 4:00 P.M and observed a participation of over 100 students from 4th and 6th semester.

The session kicked off with the hosts Kratharth Hegde and Kusuma Nerella giving instructions and general suggestions on how to crack the aptitude and coding rounds followed by the major subjects to focus on during the interview rounds and the most important topics to focus on in those subjects. This was followed by 6 fourth year students: Anjali Nair (Mckinsey), Krishna T (Amazon), Chandana Kolli (AthenaHealth), Aditya Kumar (Nutanix, Amadeus), Hrithik Shankar (Cisco) and Kusuma Nerella (Goldman Sachs) sharing their interview, company experience and tips to crack company interviews. The session ended off with FAQ's where the 4th year students answered about 20 questions asked by the participants. Post the session, recording of the session and resources were shared with all the second and third year CSE students.

Outcomes:

- Placement tips and how to get started
- Resources for preparation of interviews

Number of participants: 100 UG Students

Internal Participants: 100

External Participants: NIL

Relevant photographs of the event:

REC

kratharth hegde k is presenting

AGENDA

- CRACKING APTITUDE
- CRACKING THE CODE
- CORE SUBJECTS
- FAQ
- COMPANY/ INTERVIEW EXPERIENCE

kratharth hegde k

Sannidhi Kasturi

kusuma nerella

Placement Tips/Discussion

(79) 72

Add people

IN CALL

Namratha M (You)		
Adithi Girimaji		
aditya kumar		
Aishwarya Varadannana...		
Akash N		

REC

kratharth hegde k is presenting

CRACKING APTITUDE

Four sections:

- Quantitative Aptitude
 - Pattern Recognition
 - Profit and Loss
 - Work and Time
 - Simple and Compound Interest
 - Blood Relations
 - Calendar and Clock
- English
 - Comprehension and Passages
 - Error Detection and Correction
 - Passage/Sentence Rearrangement
- Reasoning
 - Series : Missing Numbers, Odd One Out
 - Graph based questions
- Data Interpretation

krishna t

kusuma nerella

kratharth hegde k

Placement Tips/Discussion

(83) 78

Add people

IN CALL

Namratha M (You)		
Adithi Girimaji		
aditya kumar		
Aishwarya Varadannana...		
Akash N		

REC

kratharth hegde k is presenting

CORE SUBJECTS

- Data Structures and Algorithms:
 - Array
 - String
 - Hash Maps
 - Stacks
 - Queues
 - Basics of Trees (Solve questions on traversals (Pre/Post/Level etc), Finding the parent/child)
 - Dynamic Programming
 - Other Standard Algorithms (BFS, DFS, Searching and Sorting Algorithms)
 - Graphs
 - Backtracking and Recursion

kusuma nerella

hritik abhay shankar

Placement Tips/Discussion

(101) 101

Add people

IN CALL

Namratha M (You)		
Abhaya V		
Adithi Girimaji		
Aishwarya Varadannana...		

Opportunities and Higher Studies at UWM and the College of Engineering and applied Science

Speaker: Prof Mukul Goyal, CSE, University of Milwaukee, USA

Date: 11 August 2020

The Department of Electronics and Telecommunication Engineering, in association with BMSCE-IEEE Student Branch and the Competitive Examinations and Higher Studies Cell, BMSCE, organized a Webinar on 'Opportunities and Higher Studies at UWM and the College of Engineering and applied Science (University of Milwaukee, USA)'

The poster features logos for IEEE Bangalore Section, BMSCE IEEE, and the Department of Electronics and Telecommunication Engineering. It announces a webinar in association with IEEE-BMSCE student branch and Competitive Examinations and Higher Studies Cell, BMSCE. The title is "OPPORTUNITIES AND HIGHER STUDIES AT UWM AND THE COLLEGE OF ENGINEERING AND APPLIED SCIENCE (University of Wisconsin - Milwaukee, USA)". The speaker is Dr. Mukul Goyal, Associate Professor, Computer Science, University of Wisconsin. The moderator is Prof. Namratha M, Dept of CSE. The time is 6:00 PM (IST) on 11th August 2020. Three faculty members are listed: Dr. Kanmani B (Professor and Head, Dept of ETE, BMSCE), Dr. S. Muralidhara (Vice Principal, BMSCE), and Dr. B.V. Ravishankar (Principal, BMSCE).

REGISTRATION LINK OPEN FOR CSE,ECE,ISE AND ETE STUDENTS:

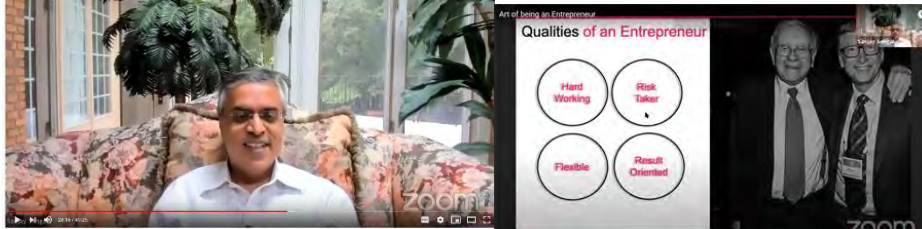
<https://forms.gle/LBSobcv9XjPU3Rh97>

The screenshot shows a Zoom webinar in progress. On the left, a slide titled "Overview:" displays "The University of Wisconsin-Milwaukee College of Engineering & Applied Science" with a building image. On the right, a grid of participants is visible, including Mukul Goyal and several other individuals represented by icons or initials (P, K, I, S, V).

Art of being an Entrepreneur

Speaker: Mr. Sanjay Sehgal, Chairman and CEO of MSys Technologies, Atlanta, Georgia, USA

Date: 21 August 2020



The session started with a brief introduction to the speaker. Mr Sehgal started his talk with his view on Entrepreneur. Being an entrepreneur simply means being someone who wants to make a difference in people's lives. To make the session interesting, he asked few questions on menti.com such as who would like to become an entrepreneur? 86% participants expressed that they would like to become entrepreneur. His next question was "What motivate them to become an entrepreneur? Many participants expressed that they would like to contribute to society. Most of the participants expressed that Ratan Tata is the a better entrepreneurs compared to Vijay Malaya, Anil Ambani and Mukesh Ambani. Being an entrepreneur Mr Sanjay expressed his views on the qualities required for an entrepreneur and also the risk factors involved. The session concluded with question and answer session.

Department of Electronics and Telecommunication Engineering

Interaction with Ashwija B V, IAS - Your first step towards UPSC Civil Services Examination

Event Report

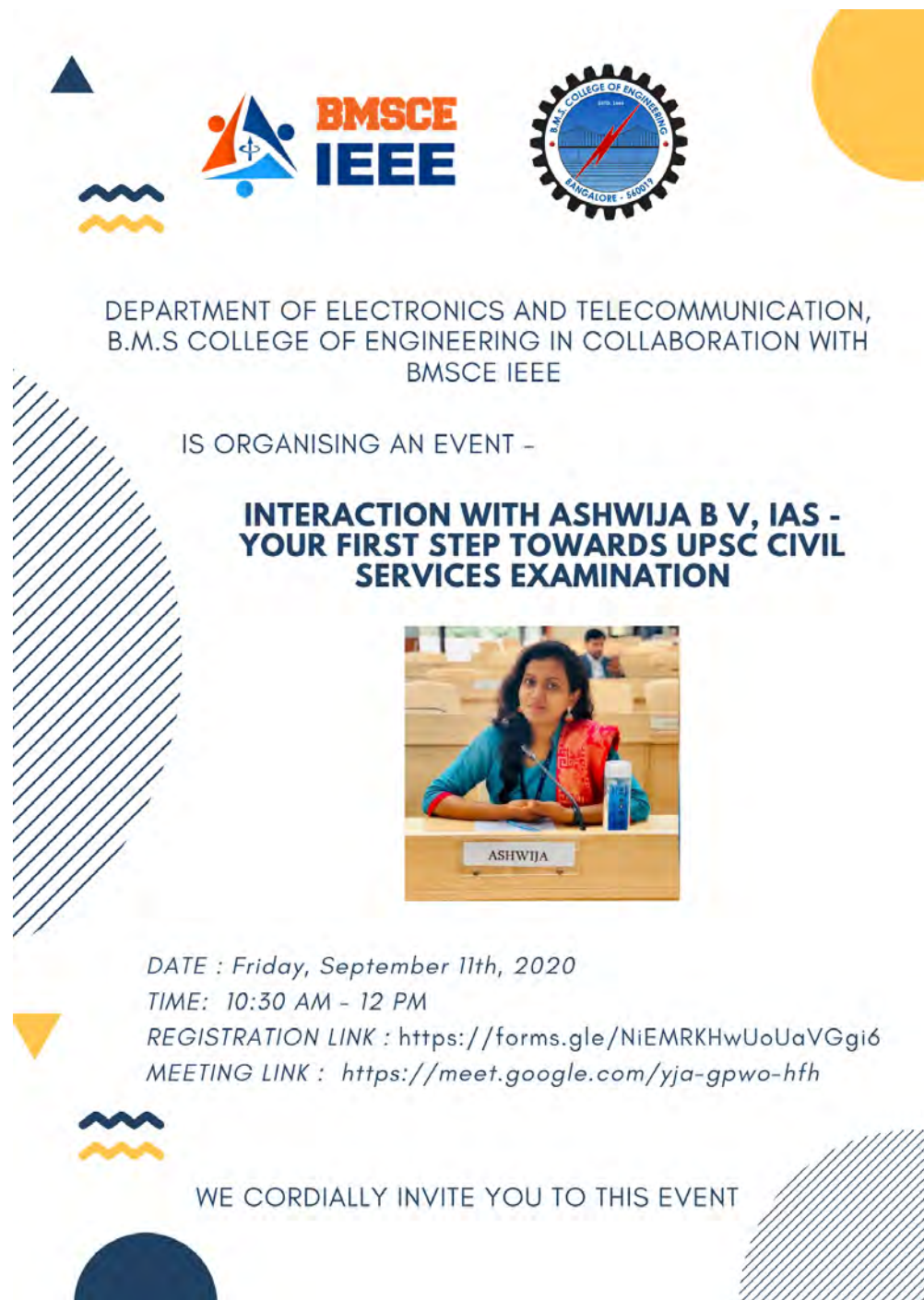


Fig: Poster of the event

" I can assure you, public service is a stimulating, proud and lively enterprise. It is not just a way of life; it is a way to live fully. " - Lee. H. Hamilton

On the 11th of September 2020, the Electronics and Telecommunication Department of BMS College of Engineering in collaboration with BMSCE-IEEE organised an event- "Interaction with Ashwija B V, IAS -Your first step towards UPSC Civil Services Examination" to equip the aspirants with tools needed to crack the UPSC Civil Service Examination. 120 participants took part actively in the event and made it a grand success.

The event kickstarted by event coordinator Mahima M.P welcoming the guest of honour followed by a brief introduction. The speaker for the event was Ashwija B V, IAS who was an Assistant Commissioner Under Trainee in Yadgir district of Karnataka. She is one of the notable alumni (Batch of 2014) of the Electronics and Telecommunication department , BMSCE.

A warm and soothing invocation song by Rishika Harish of Ninaad club was sung. This was followed by Dr. Kanmani B, HoD of ETE department gave presidential remarks and highlighted the significance of the event. Sinchana Thippeswamy, one of the event coordinators who hosted the entire event. Rohan Jagadeesh, IPS, a friend of Ashwija was also present for the event. He and Ashwija had prepared for the UPSC exams together at Insights, Bangalore. He shared his experience with the audience.

She successfully cleared her UPSC examination in her third attempt in 2018. She inspired all the participants to never lose hope if they won't achieve success in their first attempt. She also believes that hard work , dedication , integrity and honesty are the pillars of success.

Soon after the invocation song, Ashwija walked all the participants through her journey and explained how her day used to begin and end during her preparation for the UPSC examination. She also emphasised on the impact of consistency in her life. She explained in depth about the conduction of UPSC exams which is in three stages - prelims , mains and personality test through a powerpoint presentation.

This was followed by a Question and Answer session which was coordinated by Sinchana. The key takeaways from this Q and A session are as follows:

- The preparation should be started for all GS papers which can improve one's essay writing skills.
- While preparing for the Prelims exam it's better to refer to many newspapers (the preferred one is "The Hindu") and not rely much on online sources or materials.
- During the preparation of the UPSC examination it's important to give mock tests on a daily basis be it prelims or mains (the speaker used to give 4 mock tests per day).
- The choosing of one's optional does not depend on the previous year's results. So optional should be chosen wisely to score maximum marks in the Mains exam.
- The study hours should be consistent from the initial stages till the exam which helps one to stay focussed.

- Regular breaks should be taken between the study hours which is most important as it helps to relax the mind.

Speaking about her journey in Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussoorie she quoted “I entered the institute as a student , came out as an Officer” which shows how impactful her journey there was. She also mentioned how punctuality played an important role there , about the cultural events that took place which reminded her college days.

When asked about her experience in the personality test which was the last stage to crack the toughest exam she mentioned even though she did not have a great start initially she was confident enough towards the end. Thereby stating one of Malala’s quotes - “ One teacher, one student, one pen can change the world ” she ended her talk. She then expressed her deep gratitude to all the department faculty for helping her achieve this esteemed position in her career. The event finally concluded with a vote of thanks given by Preksha B , event coordinator.

If one takes a closer look at the alchemy of the achieving person, two distinct virtues pop up, besides perseverance and hard work. These are pioneering spirit and willingness.



Fig: Screenshot of Rohan Jagdeesh, IPS addressing the participants

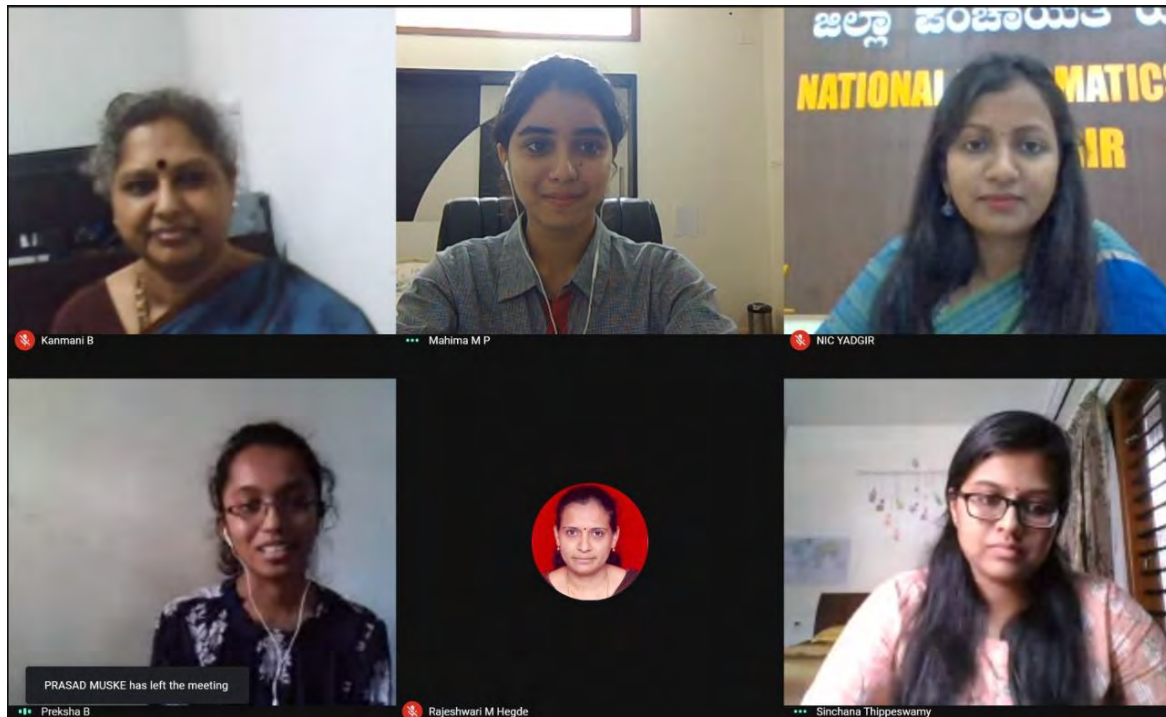


Fig: Screenshot of Preksha B giving the vote of thanks

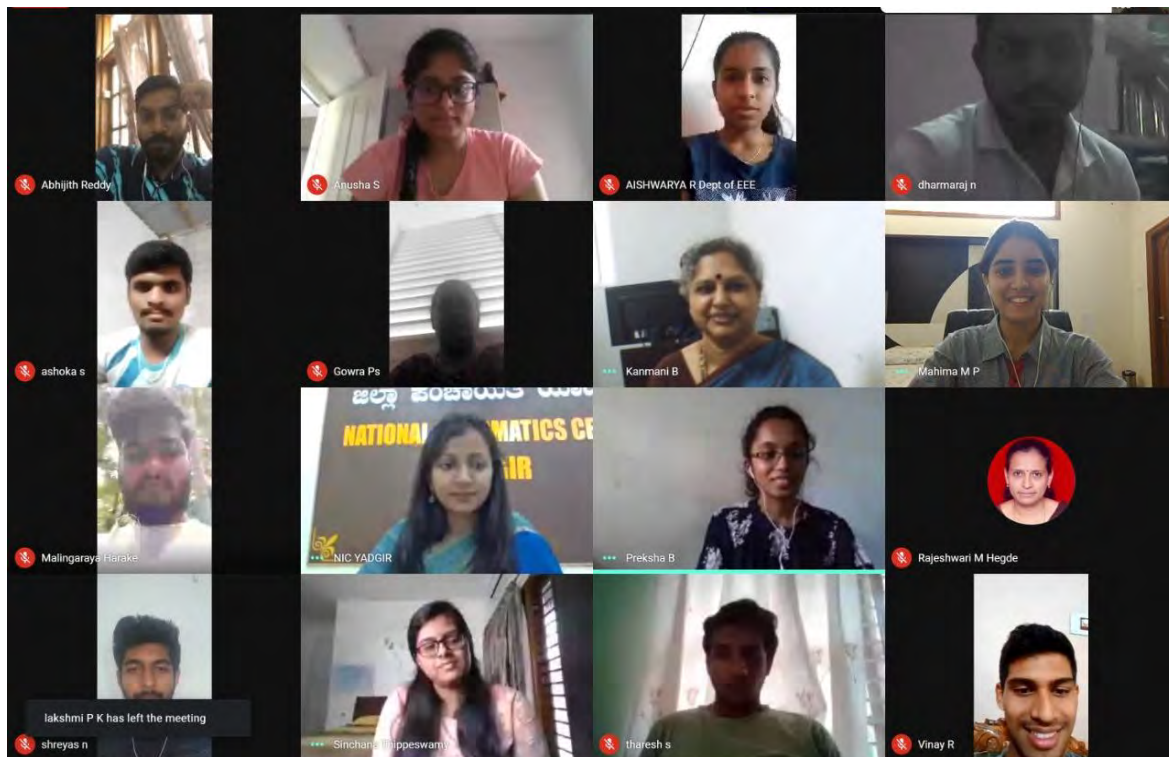


Fig: Screenshot of all the participants at the end of the event

Event Coordinators:

Faculty Coordinator: Dr. Kanmani B

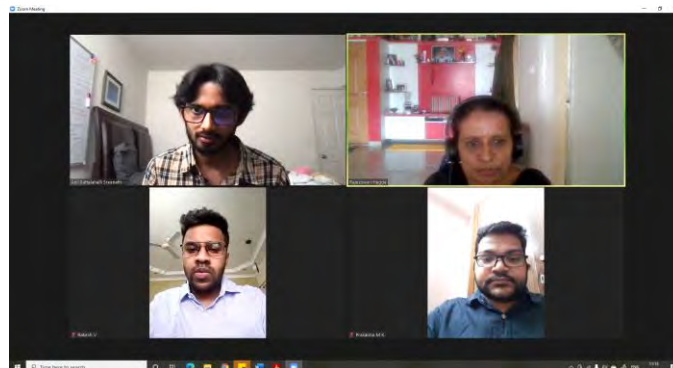
Student Coordinators: Preksha B, Mahima M.P, Sinchana Thippeswamy

Department of Electronics & Telecommunication Engineering
BMS College of Engineering, Bengaluru.

PROJECT PIE

Date: 24th May, 2021

Mr. Anil BS, Pursuing MS in USA (Alumni of the department) and Mr. Rakesh, IIM gave a talk on PROJECT PIE, a platform for students to work under state of the art projects mentored by experts from various Institutes and Industries. The talk created an awareness of project ideas and possibilities under PROJECT PIE platform. The talk was arranged for 60 students of 5th sem ETE and was attended by faculties Dr. Rajeshwari Hegde and Dr. Prasanna Kumar MK.



Faculty In Charge:

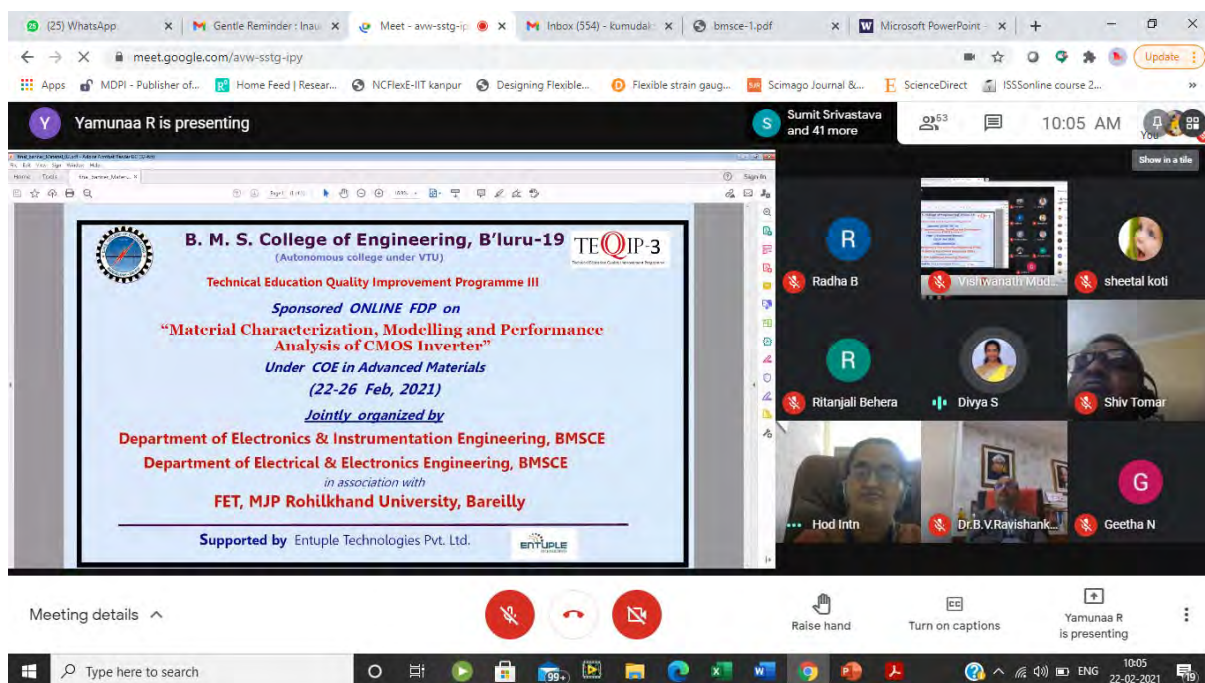
Dr. Rajeshwari Hegde

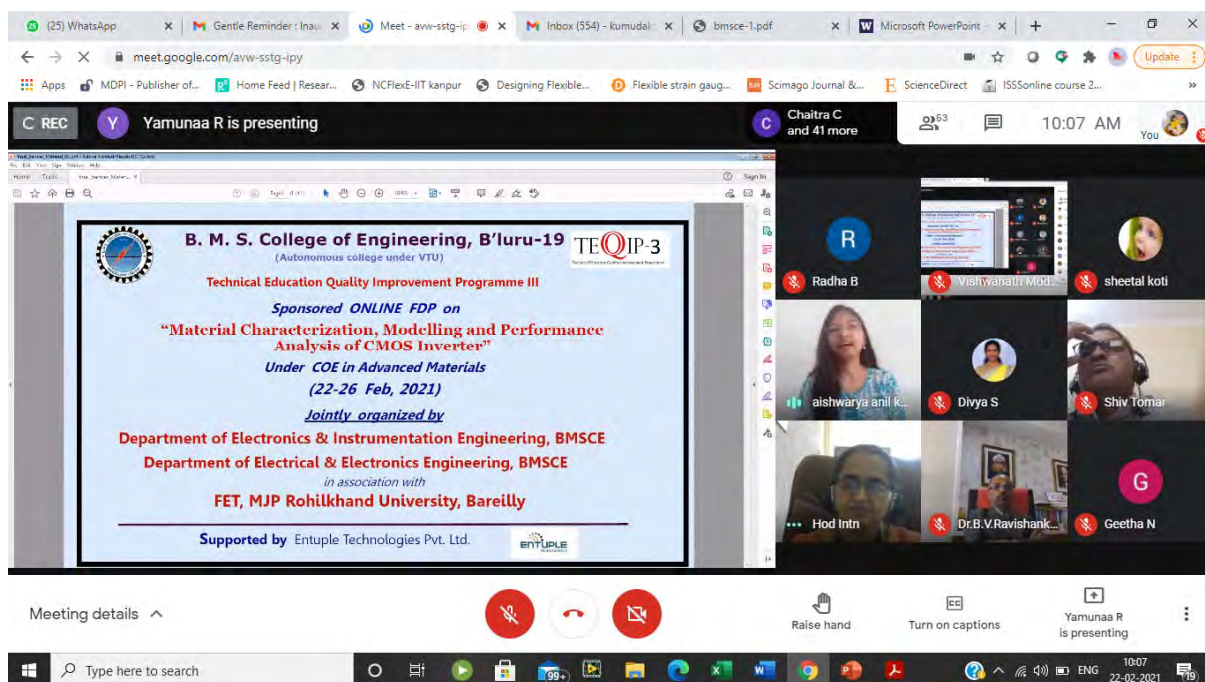
**ONLINE TEQIP III sponsored Faculty Development Program(FDP) on
Material Characterization, Modelling &
Performance Analysis of CMOS Inverter**
(22 - 26 Feb., 2021)

Organised by
**Department of
Electronics & Instrumentation Engg.,
Electrical & Electronics Engg.,
Under COE in Advanced Materials**

- **Online Link to join for FDP on all 5 days :meet.google.com/avw-sstg-ipy**
- A google group and WhatsApp group was created to facilitate effective communication among coordinators and participants
- 79 participants had registered for the FDP

The session started with Inauguration in Online mode by invoking the blessings of the almighty by Ms. Aishwarya Kulkarni Student of EIE dept, followed by welcome address by Dr.Veena N Hegde, Professor and Head of Dept. of Electronics and Instrumentation Engineering. Later, FDP Coordinator Mrs. Preethi K Mane , Associate Professor of dept. of EIE briefed about the workshop.





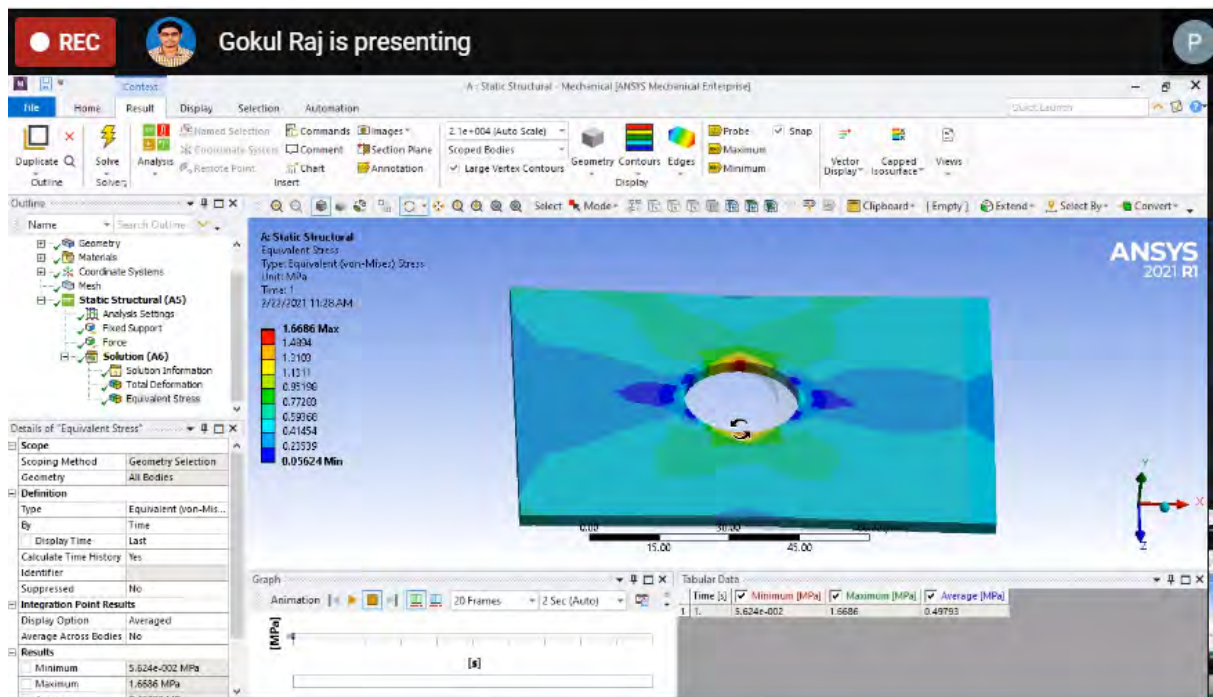
The chief guest of the FDP Mr. Damodara M.S, Business development Manager at Entuple Technologies Pvt.Ltd., gave the significance of the contents that would be covered in these five days programme.

Our Beloved Principal, B.M.S.C.E. Dr. B. V. Ravishankar, wished all the participants to actively participate and take the maximum benefits of this FDP. Sir, also gave the importance of Materials, its characterisation and its analysis in the current scenario which will lead to good research opportunities in future.



Finally the Inauguration ended by Vote of thanks rendered by Mrs. Divya S, Assitant Professor of Dept. of EEE, B.M.S.C.E

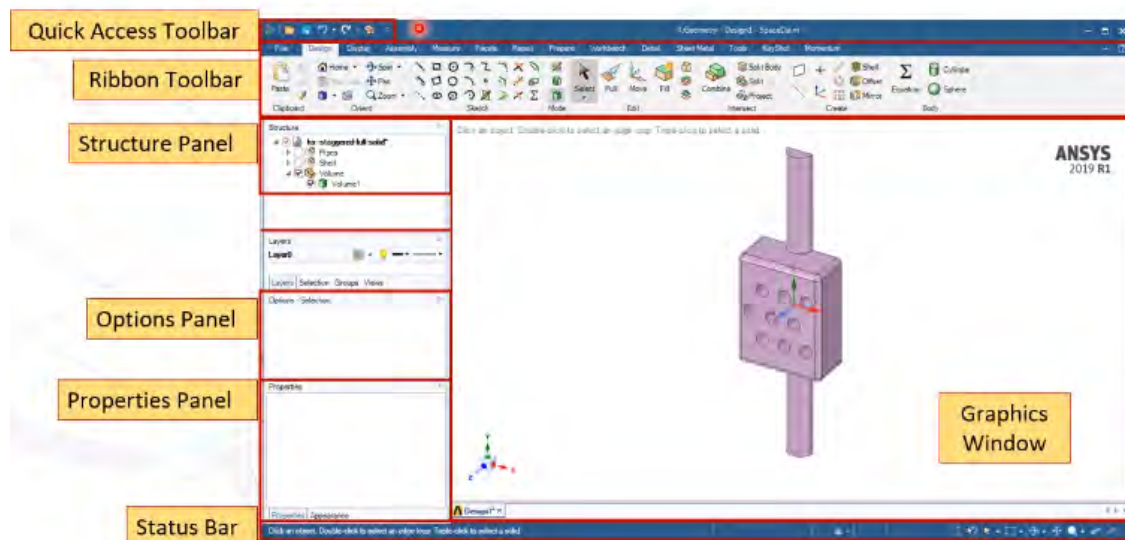
The first session of first day was started by Mr. Gokul Raj.M with the Introduction of Ansys



The second session of first day was on Introduction to Spaceclaim direct Modeler, which was given by Mr.Vanam Vijayendranath. From Concept building to modelling can be done on the same platform. Some of the application areas were discussed like Biomedical implants geometry can be modelled, sheet metal works, controls of space claim ,interfaces, etc.,

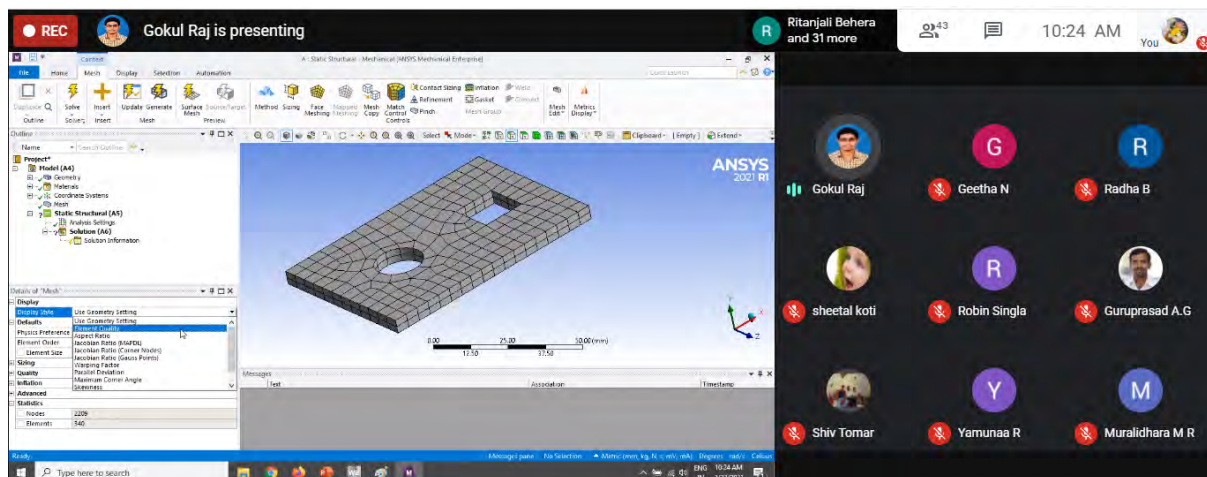
SpaceClaim Interface

ENT



Day 2 session on 23/2/2021 was started by Mr.Gokul Raj.M with live demonstration of importance of Meshing.

Mesh core skills like meshing local and global control, meshing methods and its quality was demonstrated.



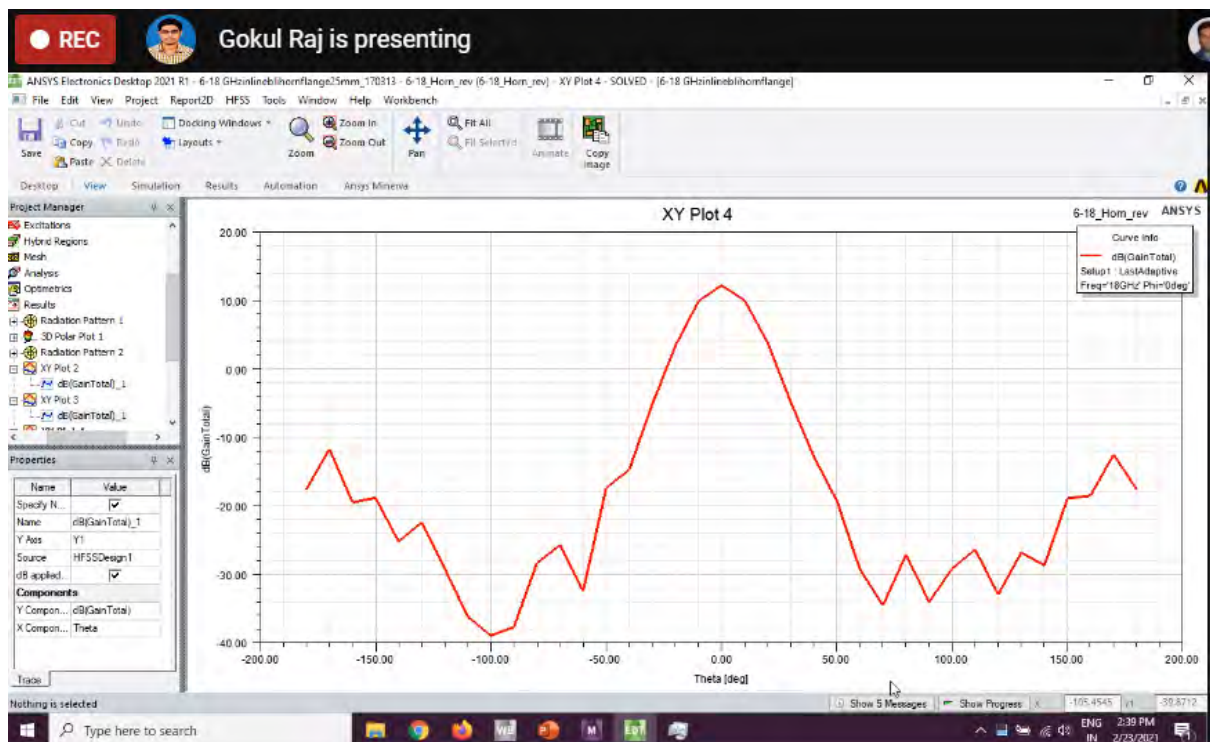
Second session for the day was on Multiphysics usage and simulations. The complete workflow of Multiphysics was illustrated and simulated.

-

[illegible]

February 23, 2021

Third session of second was on demo and case studies of Multiphysics taken by Mr.Gokul Raj.M. Case study of instruments for positioning of Autonomous systems, use of ANSYS for building IoT enabled Pharma Containers for shipping vaccines, Ball grid array Failure analysis



Third day session on 24/2/2021 was on Introduction to IC design Methodologies by Mr.Navin Sankar. MOSFET operations and its characteristics were discussed in detail. The steps for semi and full custom design was illustrated with Cadence software

Windows taskbar: (20) WhatsApp, EEE GPREC AICTE, Inbox (7,377) - ku..., Meet - avv-sstg-ipy, Fwd: Invitation: Te..., Schedule Final_02..., NCFlexE

Browser tabs: meet.google.com/avv-sstg-ipy, MDPI - Publisher of..., Home Feed | Resear..., NCFlexE-IIT kanpur, Designing Flexible..., Flexible strain gaug..., Scimago Journal &..., ScienceDirect, ISSOnline course 2...

Meeting interface: Navin Sankar is presenting, Dhayanandh S and 23 more, 12:48 PM, You

Slide content: **Cadence Tools for Full Custom & Semi-Custom IC Design**

- Semi-Custom IC Design**
 - Design Entry → Compilation, Elaboration & Simulation → Incisive
 - Synthesis → Genus Synthesis Solution / Stratus
 - STA → Tempus (Timing Sign-off Tool)
 - DFT → Modus
 - Physical Design → Innovus Implementation System
 - Static & Dynamic Power Analysis → Voltus (Power Sign-off Tool)
 - Linting → Conformal / Jasper Gold
 - Library Characterization → Liberate
- Packaging, SI & PI → Allegro**

Participant list: Navin Sankar, Divya S, Geetha N, sheetal koti, Dinesh gangwar, Muralidhara M R, Srinivasa Rao N, Robin Singla, Sirasappa Yp

Meeting controls: Meeting details, Raise hand, Turn on captions, Navin Sankar is presenting

Windows taskbar: Type here to search, (24) WhatsApp, Day 3 Session 2 Attendance c..., Meet - avv-sstg-ipy, Inbox (554) - kumudaksha201..., Schedule Final_02.pdf, ENG, 12:48, 24-02-2021

Meeting interface: Navin Sankar is presenting, Nagendra Narana and 26 more, 3:29 PM, You

Slide content: **Quality Metrics of a Digital Gate (01/ 04)**

Question 1: How robust is the gate?

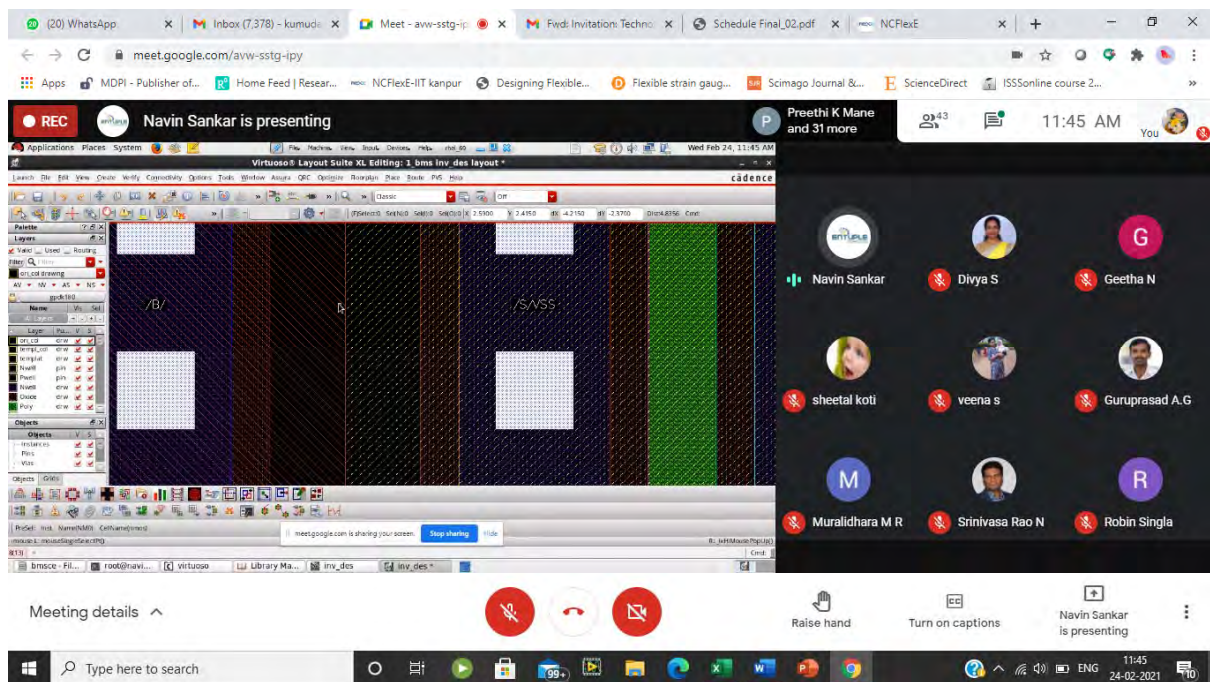
- What are the **guaranteed** output voltage levels for "0" and "1"?
- What are the **worst case** input logic levels for which the gate produces the corresponding guaranteed output logic levels?
- What are the **worst case noise** amplitudes the gate is able to overpower and provide functionally correct responses?
- Noise Margins
 - $NM_H = V_{OH} - V_{IH}$
 - $NM_L = V_{IL} - V_{OL}$

Diagrams: Truth Function Table (English), Practical VTC, Ideal VTC, Noise Margin diagram.

Participant list: Navin Sankar, Geetha N, Chaitra C, sheetal koti, mala s, Sumanth Kashyap, Muralidhara M R, Srinivasa Rao N, Santosh R Desai

Meeting controls: Meeting details, Raise hand, Turn on captions, Navin Sankar is presenting

Windows taskbar: Type here to search, 15:29, 24-02-2021



Fourth day Session on 25/2/2021 was started by on MOSFET as a capacitor. MOSFET as a field control device operates in three different modes Accumulation, depletion and Inversion modes.

Later, I-V characteristics of MOSFET was explained, various inverter topologies like current sink, current source and push pull were discussed with advantages and disadvantages.

CMOS inverter specification was discussed, followed by its design steps, layout design rules, standard cell template design and fabrication process were explained.

REC

Navin Sankar is presenting

(02/04)

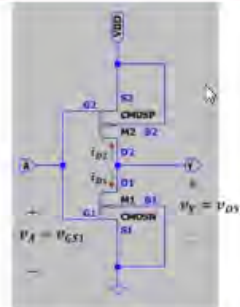
MOSFET as a Capacitor

- MOSFET as a Capacitor: Depletion
 - $0 < v_G < V_T, v_S = v_D = v_B = 0$
 - As v_G increases above zero volts
 - Positive charge on the metal electrode repels holes under SiO_2
 - $\Rightarrow$ Leaves behind a layer of negative ions
 - $\rightarrow$ Depletion region under SiO_2 !
 - No carriers exist in the depletion region indefinitely!

CMOS Inverter Design - Steps (03/ 04)

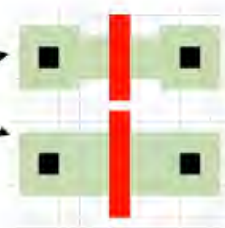
- Design Steps

- Step 1 → Circuit Synthesis →



- Step 2

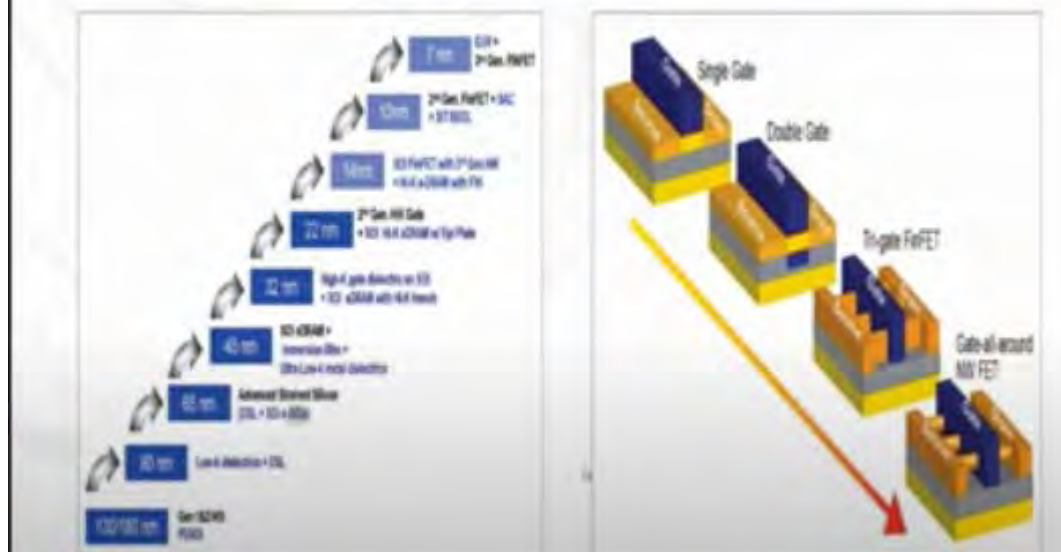
- From GPDK 180 DRM and Ref Manual, $W_{min} = 420 \text{ nm}$
 - We use the base width for NMOS $W_{unit} = 850 \text{ nm}$
 - P or NFET with $\frac{W}{L} = \frac{W_{unit}}{L_{min}} = \left(\frac{850 \text{ nm}}{180 \text{ nm}}\right) \rightarrow \text{unit transistor!!}$
 - How to size the PMOS W_p ?!
 - Need to look up the → RC Delay Model
 - MOSFET Digital Switching Model
 - Extract MOSFET Digital Model Parameters!



Last day and fifth day of the workshop was started by Mr. with CMOS fabrication Technology a simplified and detailed view. NMOS width optimisation for desired performance, standard cell layout concepts.

MOSFET can be viewed as electrically controlled switches and can be used to build logic gates. CMOS fabrication process like diffusion, etching, photolithography was explained followed by layout design rules.

Later, Mr. Damodara M. S. explained on the mechanical characterisation of material and about potential usage of various tools. Device characterisation and Modelling – an overview was given.



The screenshot displays a Zoom meeting interface. The primary focus is a presentation slide from B.M.S. College of Engineering, Bengaluru-19, which is a TEQIP-3 sponsored FDP on 'Material Characterization, Modelling & Performance Analysis of CMOS Inverter'. The slide provides details about the event, including the date (28 Feb 2021) and time (4:00 PM). It also lists the Chief Guest, Mr. Dineshwar W. S., and the presenter, Dr. S. Ramasubramanian. A small video window on the right side of the screen shows a participant wearing glasses and a headset, likely the presenter or a guest.

Coordinators

Prof. Preethi K. Mane, Dept. of EIE, B.M.S.C.E.

Prof. Santosh R. Desai, Dept. of EIE, B.M.S.C.E.

Prof. Divya S., Dept. of EEE, B.M.S.C.E.

Prof. Shiv Kumar Tomar, Dept. of ECE, FETMJPRU.

Organizing Members

Mrs. Geetha N., Dept. of EIE, B.M.S.C.E.

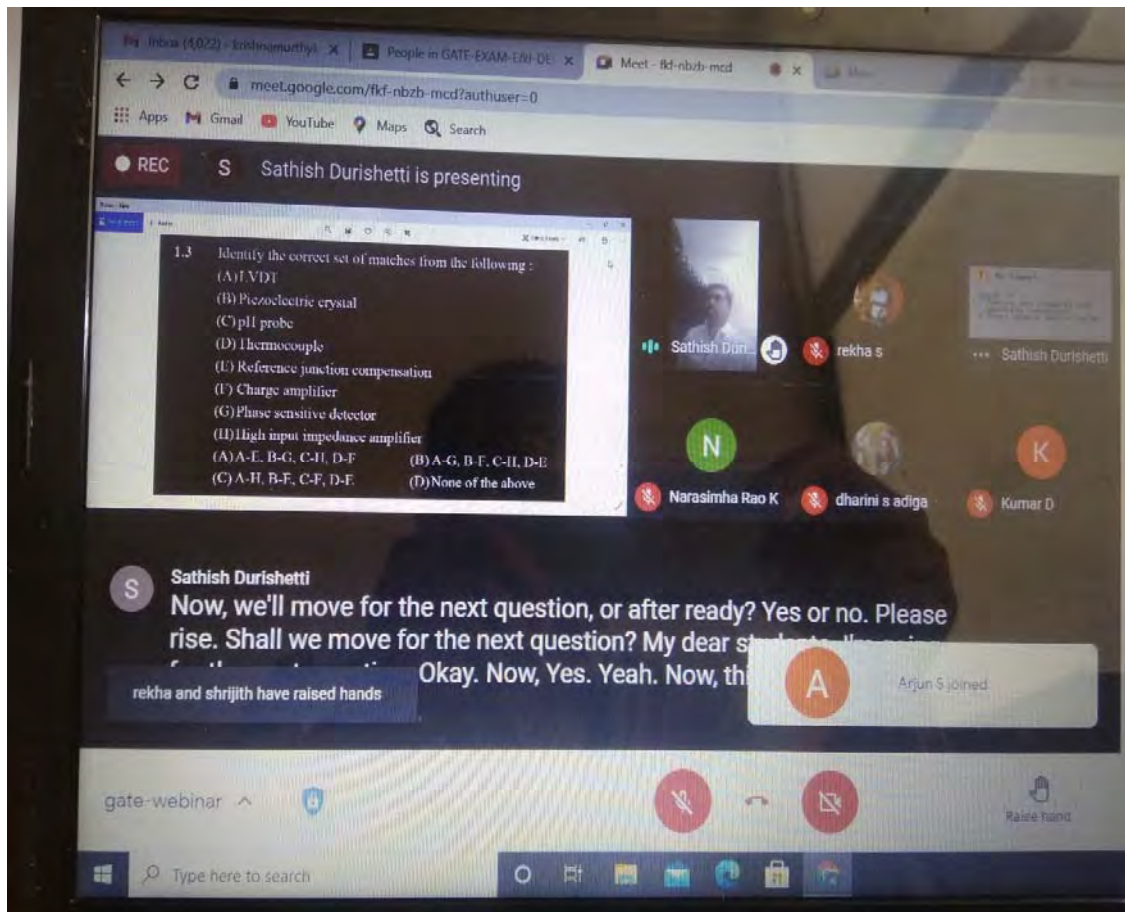
Mrs. Yamunaa R., Dept. of EIE, B.M.S.C.E.

Gate classes conducted in electronics and instrumentation department

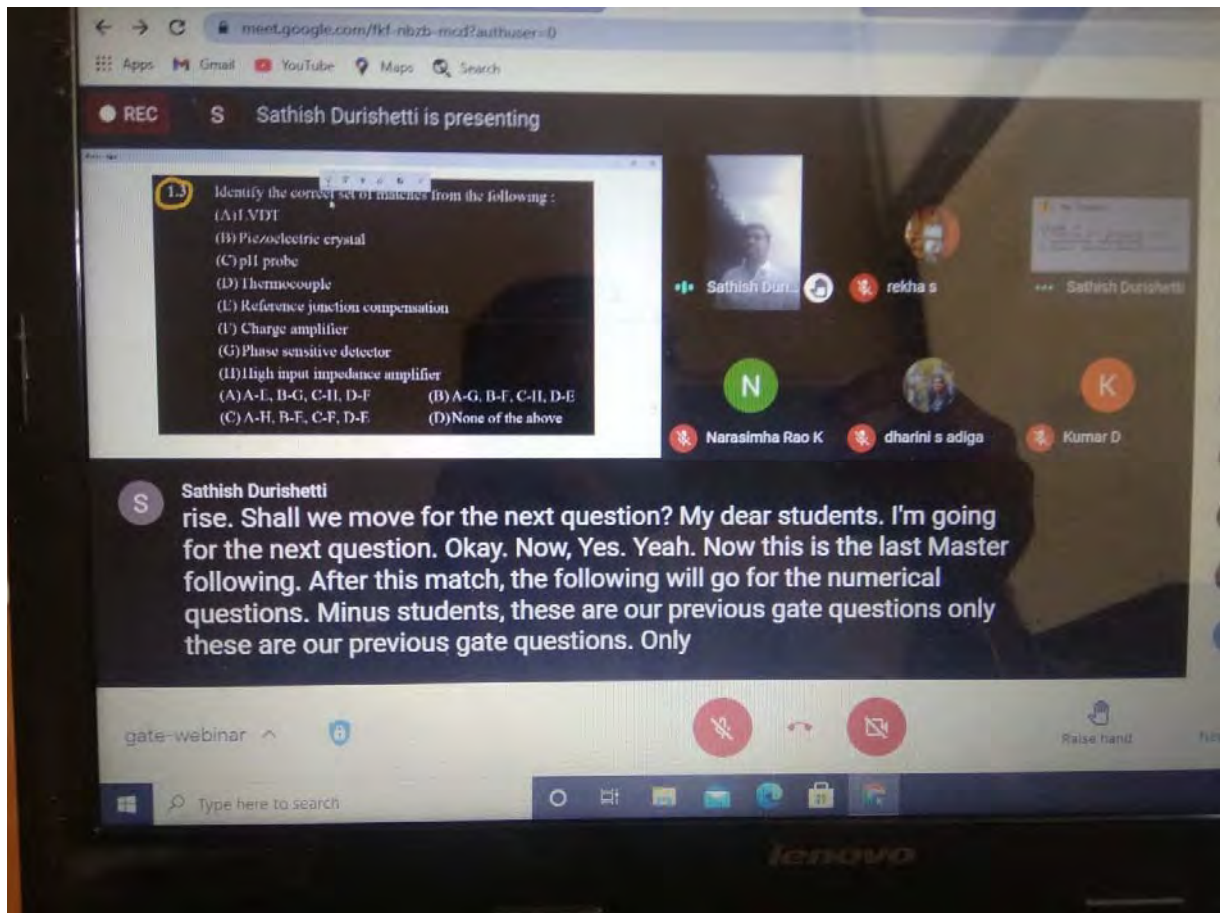
1 Topic: Sensors and industrial instrumentation

Resource person :Sathish Kumar

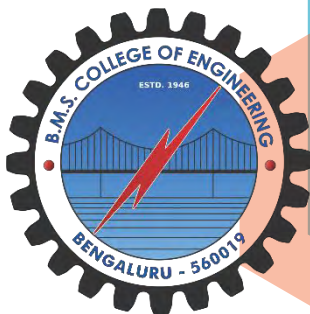
Mr Sathish Kumar spoken about Sensors and industrial instrumentation and he also discussed in detail about different types sensors ,design and applications of sensors



2.Topic: optical Instrumentation



Mr Satish Kumar spoken about optical instrumentation properties and he also discussed in detail about microscope optical instrument and applications
 And also conducted different classes on various subjects by department faculties



Report

Immersive Virtual Reality

11-15 Jan., 2021

Organized by

Department of Electronics & Instrumentation Engg.,
B. M. S. College of Engineering, Bengaluru-19

Coordinator: Dr. Santosh R. Desai

Organizing Member : Mr. Krishnamurthy K. T.

Advisor : Dr. Veena N. Hegde

Brief Summary:

Day 1 : 11 Jan., 2021 (Monday)

This FDP kickstarted with Inaugural session at 9.30am. Dr. Sunil Shah, Founder, Partner, Modelicon InfoTech was the Chief Guest while Dr. S. Muralidhara, Vice-Principal, B.M.S.C.E. presided over the function. The participants was taken through the role of AR/VR in process industry, its associated architecture apart from introduction to Unity 3D software.

Day 2 : 12 Jan., 2021 (Tuesday)

BMSCE is a part of FOSSEE team at IITBombay. FOSSEE works on the promotion and development of Free and Open Source Software in education and is funded by MHRD, Government of India. The participants was introduced to Modelica a free open source software and CODESYS on the second day.

Day 3 : 13 Jan., 2021 (Wednesday)

The participant was made aware of the facility available in the dept on the third day which is being funded by Vision Group of Science and Technology, Govt of Karnataka. A Meditation session was also organized as per the guidelines of ATAL academy. A teacher from Art of Living founded by Sri Sri Ravishankar shared the required information.

Day 4 : 14 Jan., 2021 (Thursday)

Participants was taken over through the hands on sessions extensively on the fourth day of this FDP. Interacting tank model was the example considered for discussion during this day using CODESYS and Modelica.

Day 5 : 15 Jan., 2021 (Friday)

A hackathon was conducted on the last day. The problem statement to create an interesting 3D animation scene using Unity 3D was communicated to the participants two days in advance. Amazon Vouchers were distributed to the winners of first and second prize. As per the norms of ATAL academy an evaluation test was also conducted followed by the valedictory function.

Mr. Ramachandra Kerur, Managing Director, Sunlux Technovations Private Limited was the Guest of Honour, Dr. Sunil Shah, Founder, Partner, Modelicon InfoTech was the Chief Guest while Dr. Samita Maitra , Dean Academics, B.M.S.C.E. presided over the function.

About workshop

...

The Teaching Learning Process (TLP) can be made more interesting, effective with the use of Information and Communication Technology (ICT) in education. Automation in Process Control is one such field where, physical distances from various industries and the lack of resources (costly and sophisticated equipment) will limit the student's ability to have a feel and be aware of the situations arising in Process Automation. Generally, the educational institutions find themselves difficult to keep pace with the technology enabled changes in industries. In order to provide good learning experience, improve the delivery of knowledge to the students and enable the students to understand better, a work-shop is being proposed here in this communication.

Schedule:

Time	Description	Speaker(s)
Day 1 - 11 Jan. 2021		
9.45 to 10.00	Inauguration	
10.00 to 11.30	Overview of the overall event and Introduction to AR/VR in Process Industry	Dr.Sunil Shah
11.30 to 11.45	Tea Break	
11.45 to 13.15	Development Architecture. Software Installation	Mr.Ritesh Sharma
13.15 to 15.00	Lunch Break	
15.00 to 16.30	Introduction to VR: Spin A 3D Cube	Mr.Ritesh Sharma
Day 2 - 12 Jan. 2021		
10.00 to 11.30	Modelica: Bouncing Ball Model	Mr.Ritesh Sharma
11.30 to 11.45	Tea Break	
11.45 to 13.15	Codesys: Web Based HMI and Modelica OPC-UA Interface	Mr.Ajeya
13.15 to 15.00	Lunch Break	
15.00 to 16.30	Introduction to Blender: Make a 3D Ball	Mr.Ritesh Sharma Ms. Monisha
Day 3 - 13 Jan. 2021		
10.00 to 11.30	Unity 3D: Bounce the 3D Ball: C# Scripting	Mr.Ritesh Sharma
11.30 to 11.45	Tea Break	
11.45 to 13.15	Interacting Tank Model: Modelica Hands on	Dr. S. R. Desai
13.15 to 15.00	Lunch Break	
15.00 to 16.30	Meditation- A scientific tool for Physical and Mental Development	Mr.Udaya Kumar
Day 4 - 14 Jan. 2021		
10.00 to 11.30	Interacting Tank Model: Modelica Hands on	Mr.Ajeya
11.30 to 11.45	Tea Break	
11.45 to 13.15	Interacting Tanks Model: Codesys PLC Hands On	Mr.Ajeya
13.15 to 15.00	Lunch Break	
15.00 to 16.30	Interacting Tank Model: 3D Modeling Hands On	Mr.Ritesh Sharma Ms. Monisha
Day 5 - 15 Jan. 2021		
10.00 to 11.30	Interacting Tank Model: 3D Modeling Hands On	Mr.Ritesh Sharma
11.30 to 11.45	Tea Break	
11.45 to 13.15	VR Hackathon: Solving a VR problem	Dr. Sunil Shah Mr.Ritesh Sharma
13.15 to 15.00	Lunch Break	
15.00 to 16.30	Evaluation test, Feedback, Valedictory	

About workshop contd...

...

Basically, this FDP caters to the better understanding of topics related to Process, Control and Automation. These multidisciplinary courses are being dealt in the Dept of Electronics, Instrumentation, Mechanical, Chemical, Electrical etc. The proposal comprises of a batch reactor module with associated components such as controllers, HMI, Programming Logic Controllers, valves, tanks etc. This can be achieved by enabling the setup with ethernet facility. This FDP will enable the participants to model the physical phenomenon by a set of equations and carrying out simulations. The result of the experiment will provide an approximate version of the 'real-physical' experiment. Thus, the virtual environment will bring in a feeling as that of the real time scenario. Use of AR/VR will further enhance the live experience.

Resource Persons:

Dr. Sunil S. Shah

Founder, Partner, Modelicon InfoTech with 30+ years of experience in modeling, simulation, control, optimization and developing training simulators etc. Chemical engineer with specialization in control and optimization



Mr. Ritesh K. Sharma

System Engineer at Modelicon Infotech LLP. Experienced in industrial communication, embedded systems and Virtual Reality



Mr. Ajeya B.

System Engineer at Modelicon Infotech LLP. Experienced in industrial communication, embedded systems and VR



Mr. Udaya Kumar

Art of living YLTP teacher (youth leadership training program) and state council member(SCM). Serving as Jalachethana (River Rejuvenation) district coordinator for Dakshin Kannada(Karnataka)



Ms. Monisha R.

Deals with full stack and front end dev and currently interning at Modelicon Infotech.



Dr. Santosh R. Desai

Awarded with Ph.D degree by Indian Institute of Technology Roorkee in the year 2014. He has ongoing/completed project grants worth 55 Lakhs and currently Professor at B.M.S. College of Engg., Bengaluru



Acknowledgements:

We would like to express our deep sense of gratitude to AICTE Training and Learning (ATAL) Academy for sponsoring, providing the opportunity and entrusting us to conduct this FDP.

We would like to thank and appreciate the efforts, support received from all the team members, ATAL Academy.

We are indebted to our beloved Dr. B. V. Ravishankar, Principal, Dr. S Muralidhara, Vice Principal for their guidance, valuable suggestions and motivation.

We would like to thank all the Resource persons, Participants, Deans, HoD's and each one of our faculty/staff at B.M.S. College of Engineering for their encouragement and constant support.



List of approved participants

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90	Mr. Vishal Sharad Hingmire	vs.hingmire@gmail.com	Assistant Professor	Arvind Gavali College Of Engineering
91	Mr. Bhosale Yogesh Harishchandra	yogeshbhosale988@gmail.com	Assistant Professor	CSMSS Chh. Shahu College Of Engineering

Winners of the Hackathon:

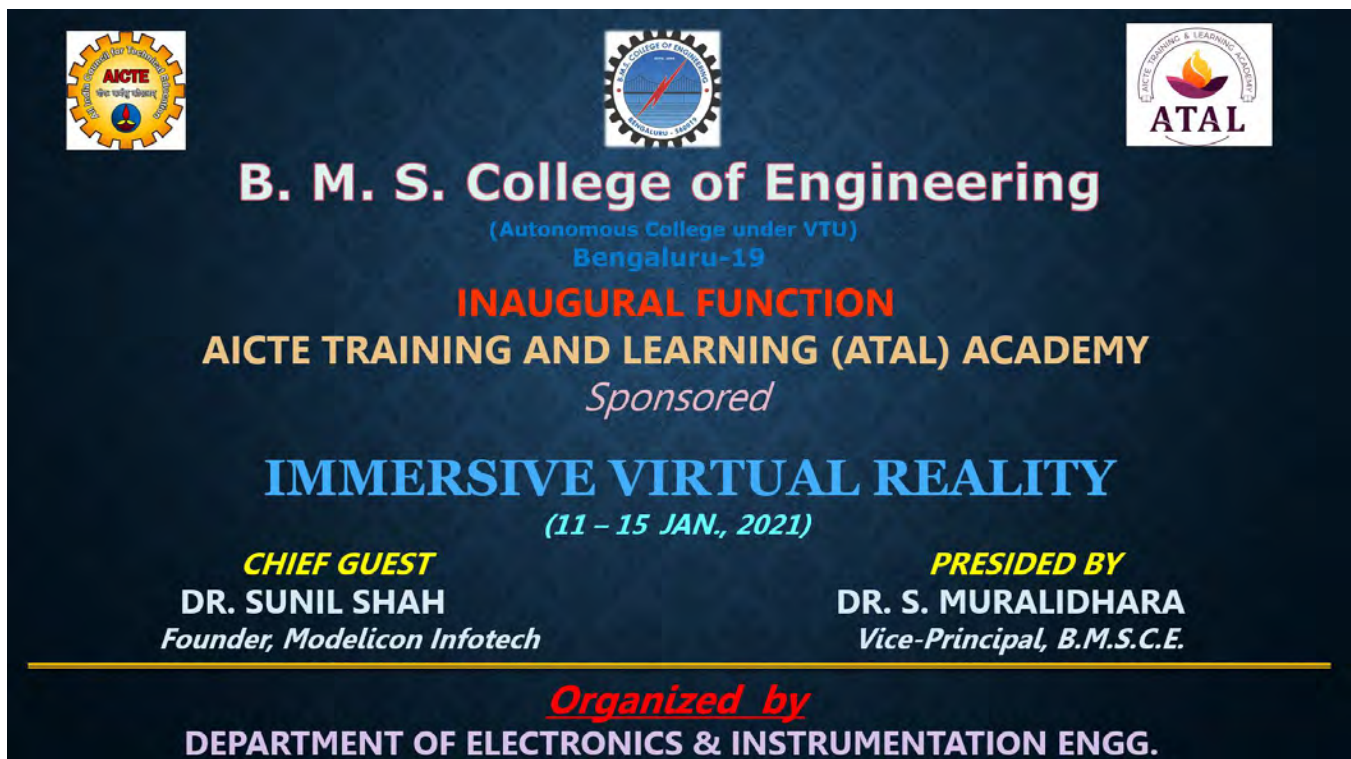
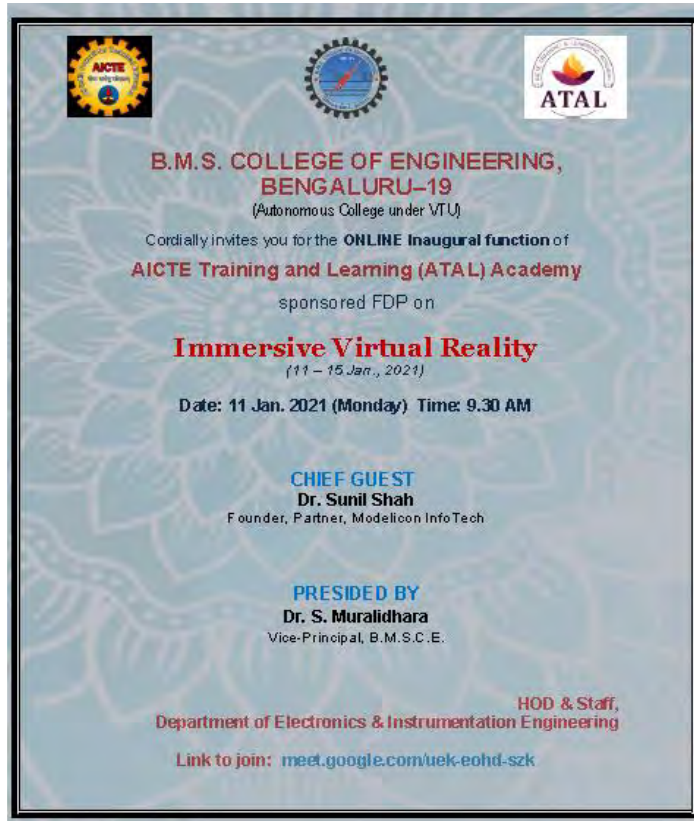
1. First Prize (Amazon Gift voucher of INR 1000/-)

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8807576597

2. Second Prize (Amazon Gift voucher of INR 500/-)

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pranali.pawar92@gmail.com
9819776508

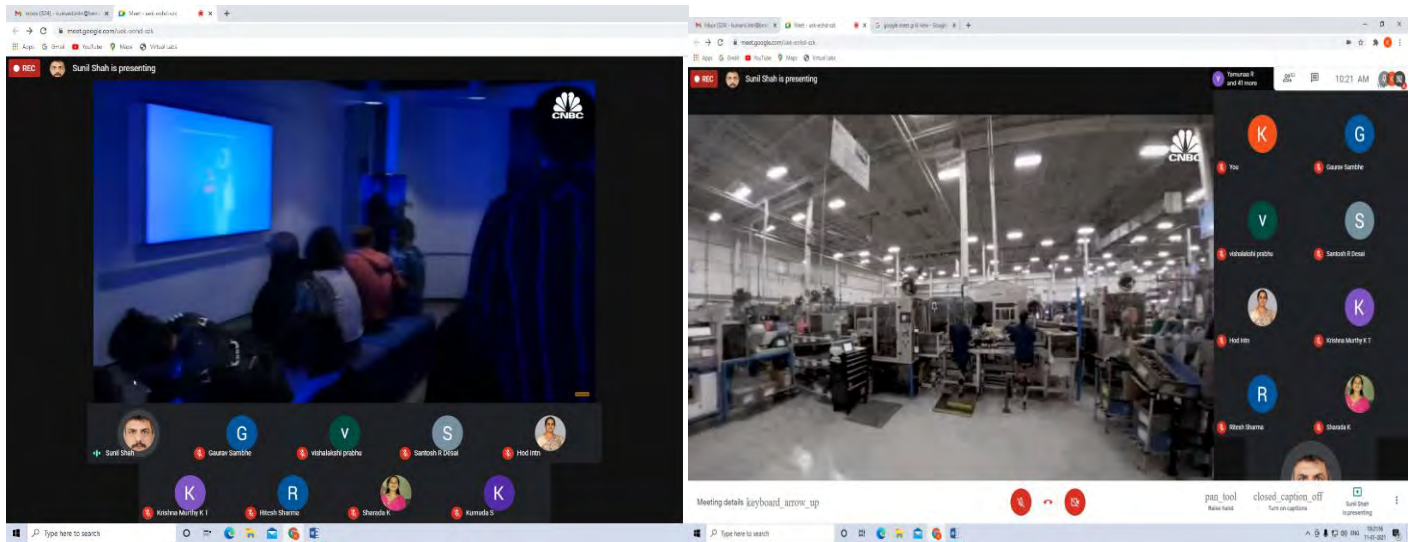
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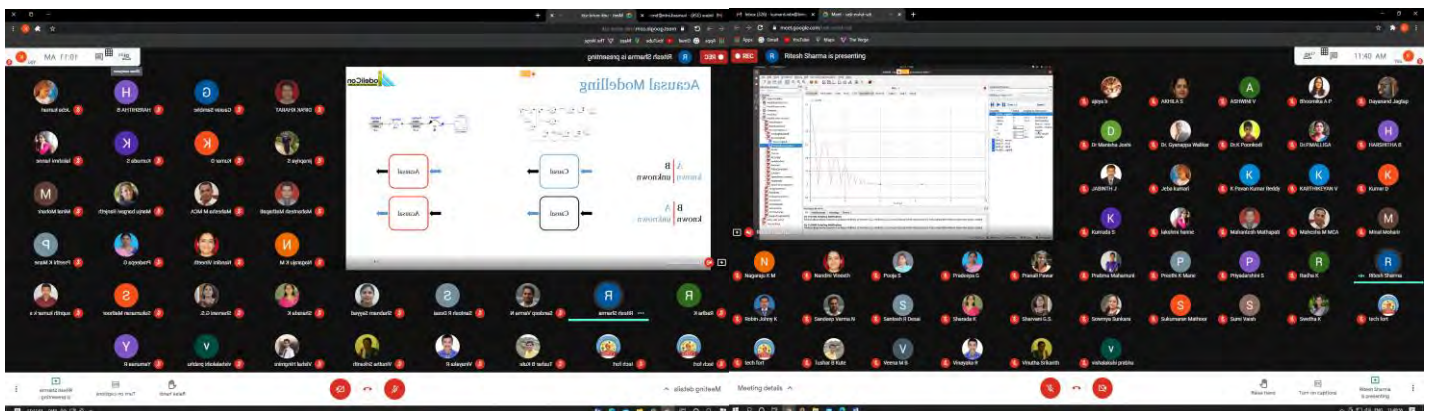
Immersive Virtual Reality



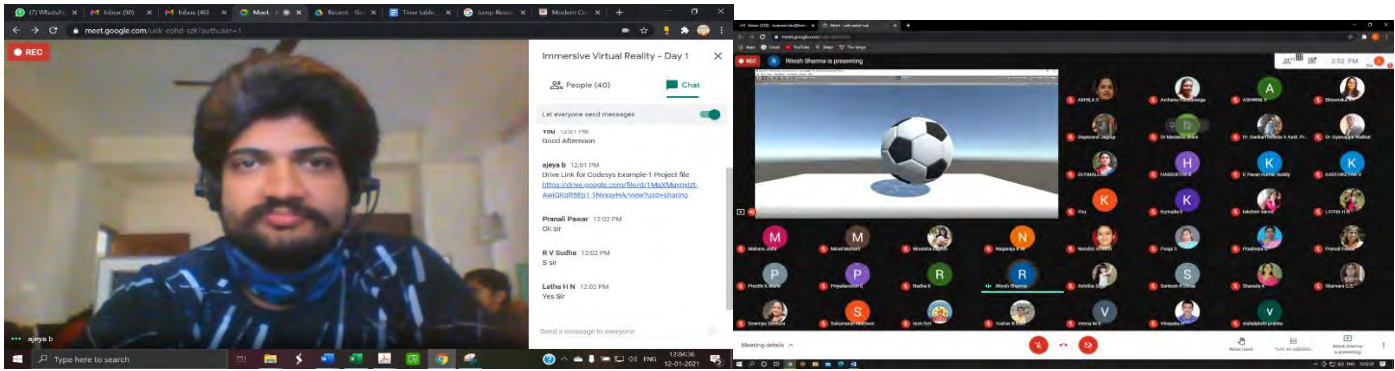
Sessions on Day 1:



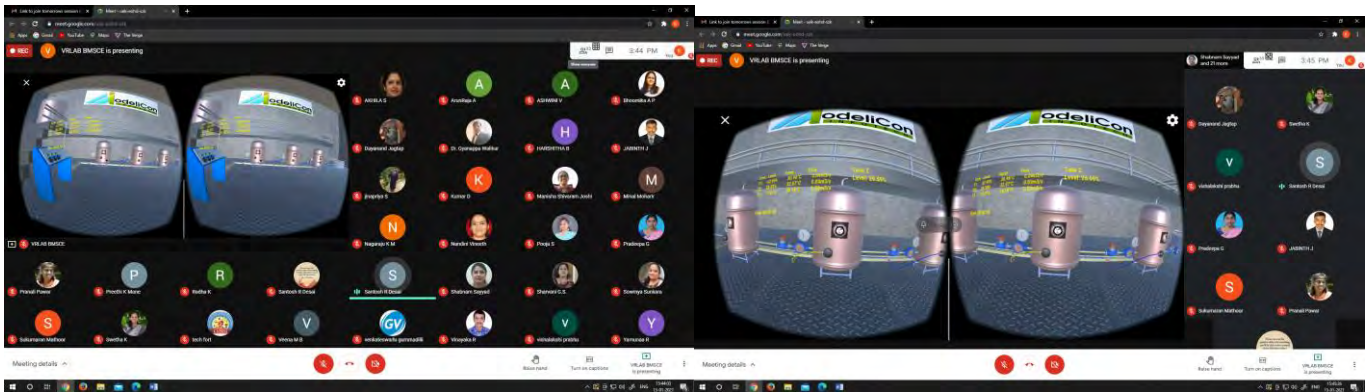
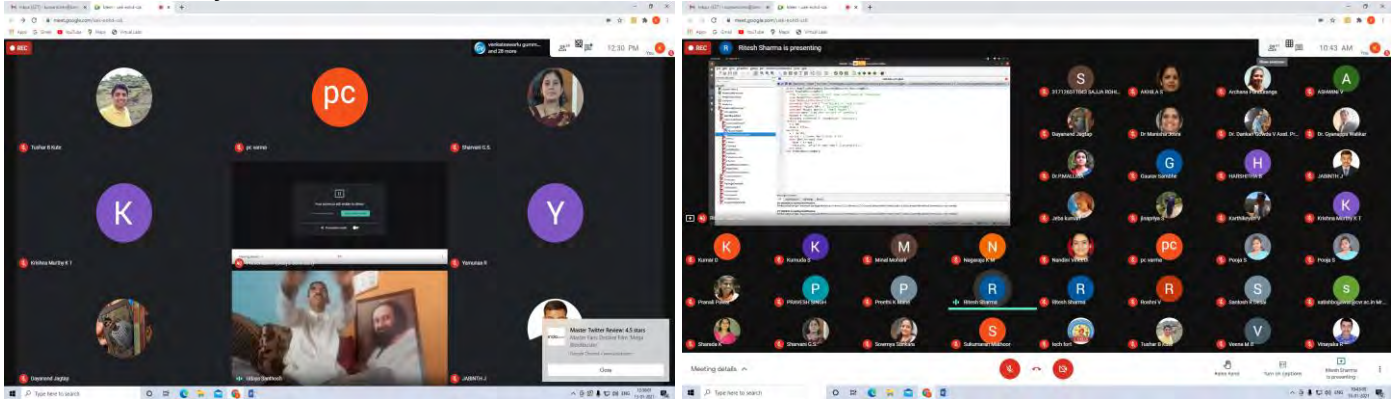
Sessions on Day 2:



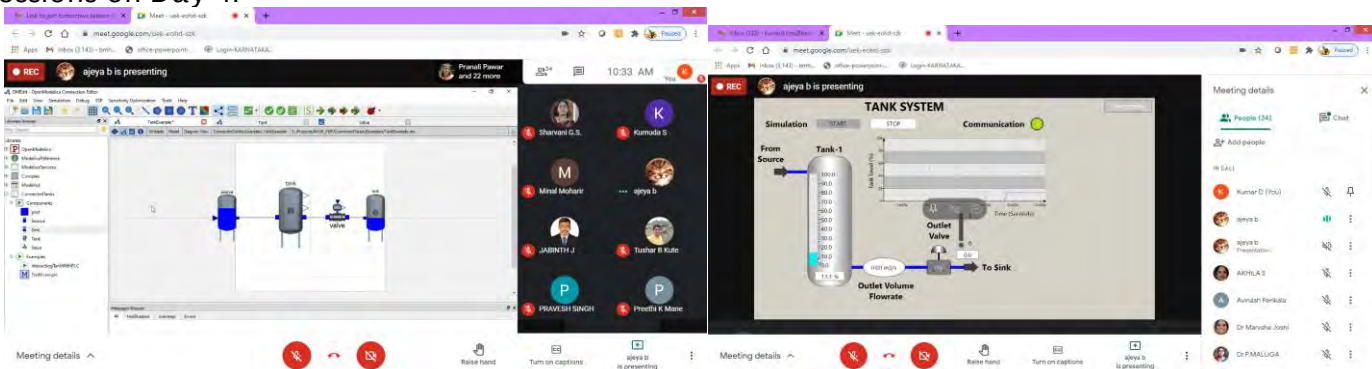
Immersive Virtual Reality



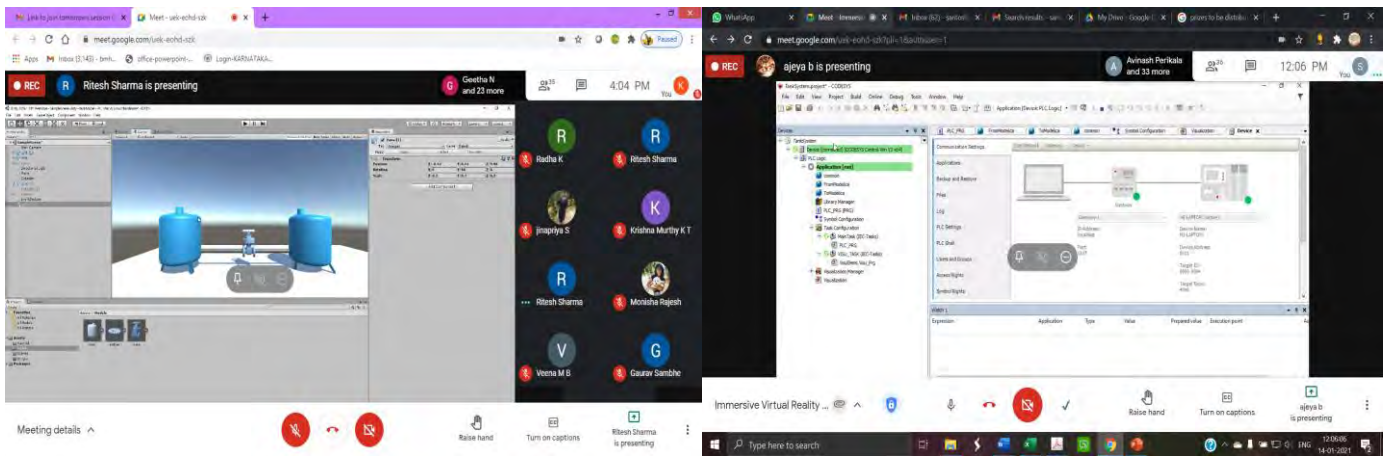
Sessions on Day 3:



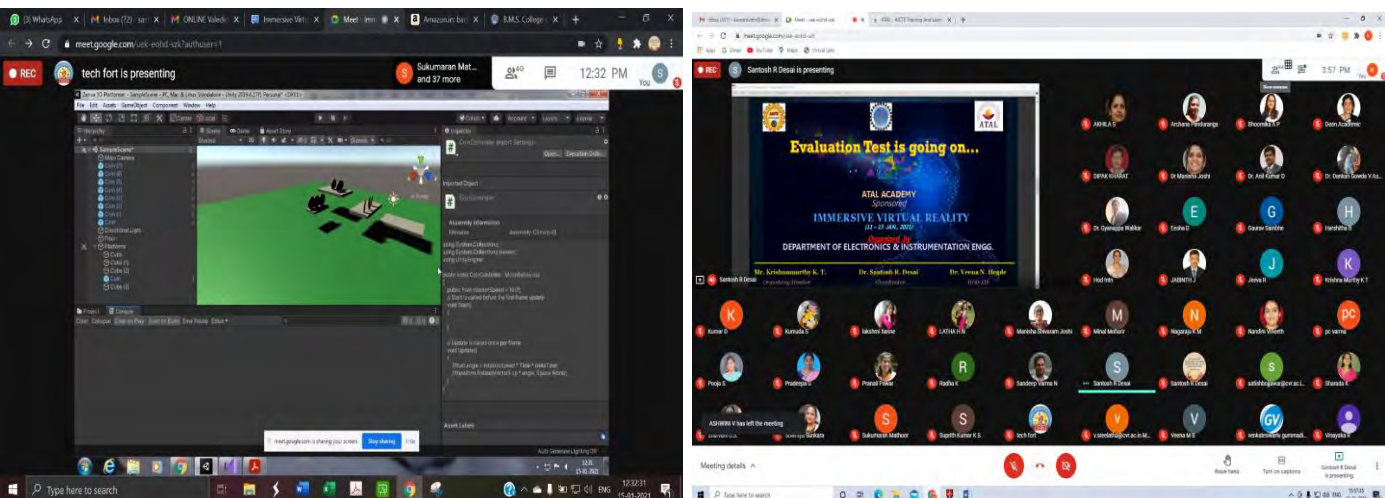
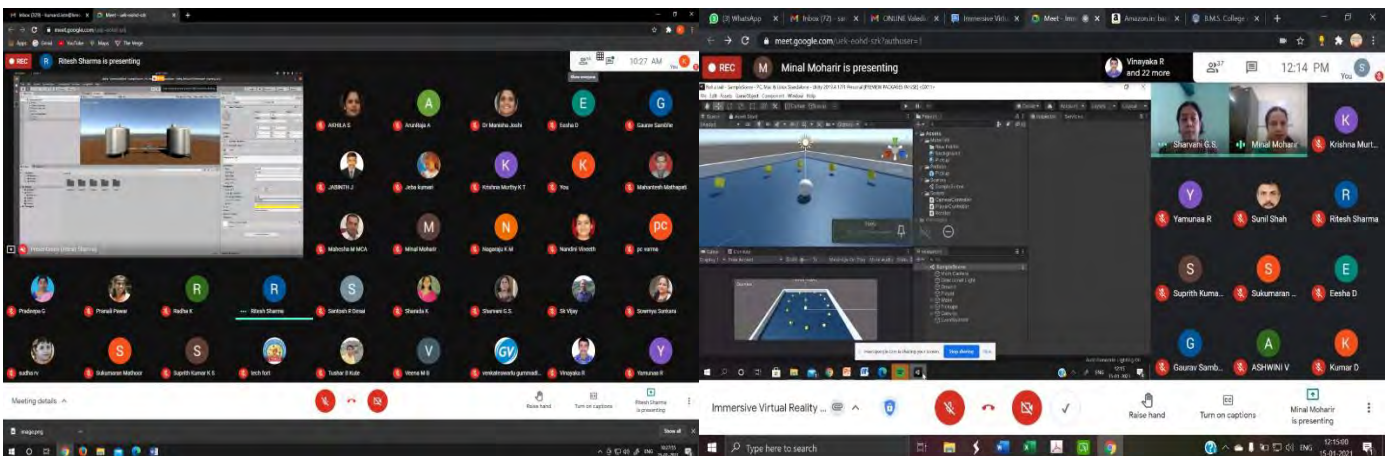
Sessions on Day 4:



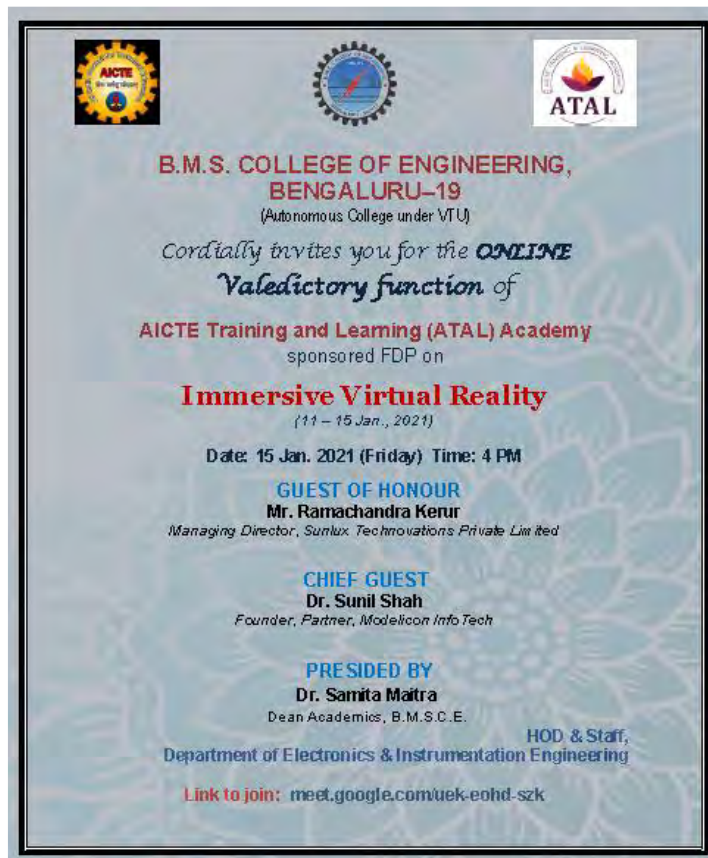
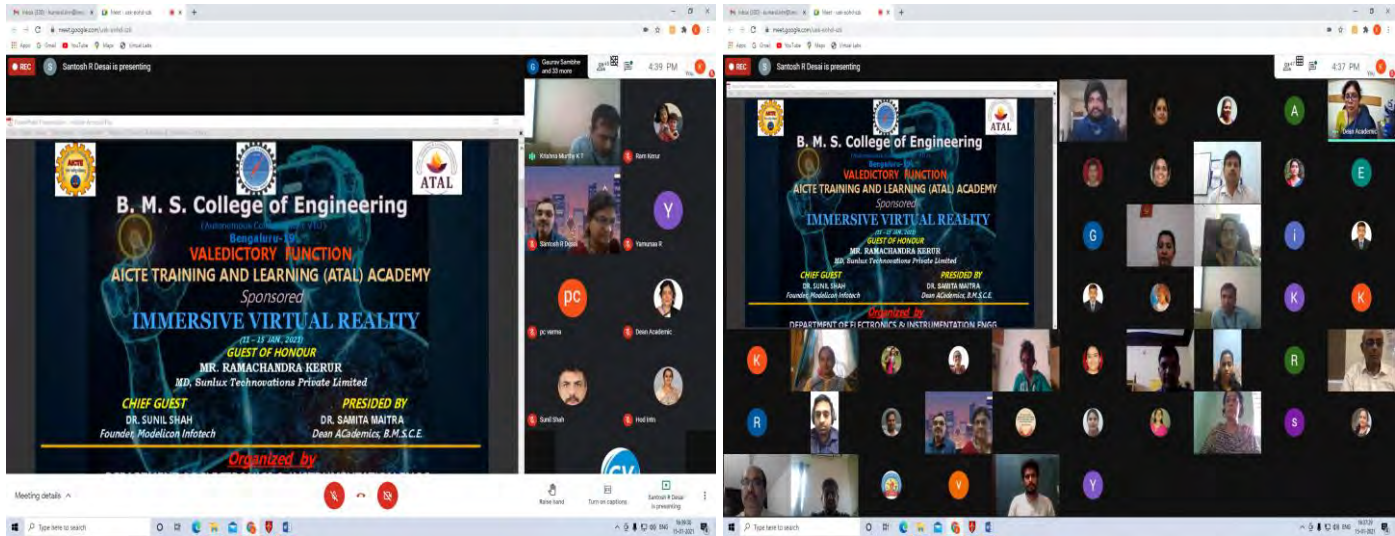
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Sessions on Day 5:



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B. M. S. College of Engineering
(Autonomous College under VTU)
Bengaluru-19

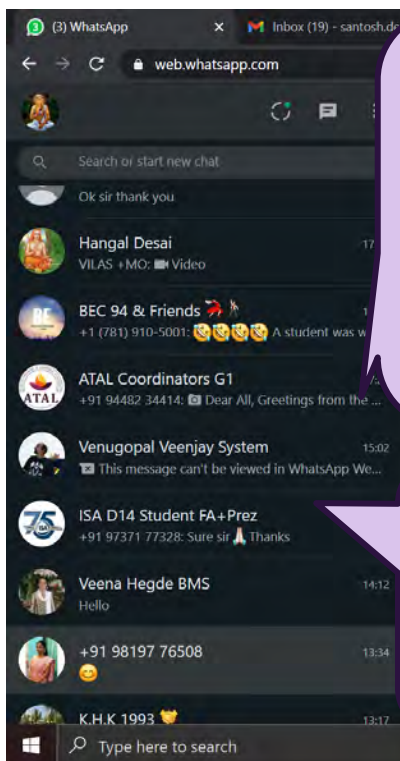
VALEDICTORY FUNCTION
AICTE TRAINING AND LEARNING (ATAL) ACADEMY
Sponsored
IMMERSIVE VIRTUAL REALITY
(11 – 15 JAN., 2021)
GUEST OF HONOUR
MR. RAMACHANDRA KERUR
MD, Sunlux Technovations Private Limited

CHIEF GUEST
DR. SUNIL SHAH
Founder, Modelicon Infotech

PRESIDED BY
DR. SAMITA MAITRA
Dean ACademics, B.M.S.C.E.

Organized by
DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGG.

Feedbacks:



WhatsApp chat interface showing a list of contacts on the left and a chat conversation on the right.

Hello myself Pranali Kishor Pawar From Maharashtra
Introducing new technology to the people in such nice way is really appreciable. The workshop was really very nice, got new things in hand and also got new way of thinking.
About speakers they are really knowledgeable they have solved all doubts, at the moment. They helped in each possible way. They highlight point which I observed in workshop was the meditation for faculties. Next the College and Santosh sir also have done really appreciable job, they forwarded each information in time also active for problem the person facing while joining the lectures.
Overall workshop given nice fruit on hand .
Thank you

Feedback

1. Codesys was interesting..
2. Trainers were a bit fast....or we must have had the prerequisites before hand.
3. Event organisation and management was good

Entire programme was smooth without much network issuesThank you
- Vinutha Srikanth



Report

ONLINE Webinar on

“Problem Solving Techniques using Industry Proven Process and Tools”

Schedule

**Date: 20 Feb. 2021 (Saturday)
10.00 am – 11.00 am**

**Mr. Dhananjaya Udupa Mundkur
PGDBA (Singapore), IATD certified trainer**

Department of Electronics and Instrumentation Engineering, BMSCE in association with Dept. of Electrical and Electronics Engineering, BMSCE organized an online Technical Talk on “Problem Solving Techniques using Industry Proven Process and Tools” by Mr. Dhananjaya Udupa Mundkur, PGDBA (Singapore), IATD certified trainer.

He is a motivational speaker, educator and trainer. He conducts high impact programs in creating meaningful, customer centric products. He strongly believes training can transform lives of people. Being a graduate in Electrical Engineering applied his academic knowledge in a factory automation in his initial career. He is a bronze medallist in PGDBA from renowned Singapore Institute of Management. He underwent rigorous ‘train the trainer’ diploma program from the prestigious Indian Academy of Training & Development and accredited as certified ‘master trainer’ during his tenure with Philips. He has over 25 years of rich corporate experience in product launches for Europe, Asia, Africa, Middle East and Americans markets. He has worked in various global roles in the field of Engineering, Finance, Project, Program and Product management in India, Singapore and Netherlands. He has travelled to over 35 countries and has accumulated immense global cultural experiences.

He has approached by many Universities to give motivational talks and conduct workshop for the budding engineers. His mission is to motivate and train budding innovators. Don’t wait for an opportunity.. create it!



Report

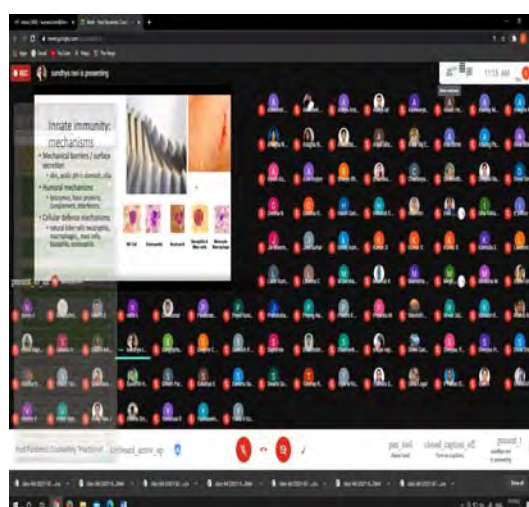
ONLINE Webinar on

Post Pandemic Counselling

“Practice of bettering oneself ”

“Pranayama” - Science of Breath by Mr. Udaya Kumar

“Immunity Challenges in Pandemic”- Scientific Overview by Dr. Sandhya Ravi



Department of Electronics and Instrumentation Engineering, BMSCE in association with Dept. of Medical Electronics, BMSCE organised an online webinar on Post Pandemic Counselling, “Practice of bettering oneself “ for second year students ,who would be taking up their exams in an offline mode.

The webinar started with the first session by Uday kumar and Prashant, Art of living YLTP teachers (youth leadership training program).The whole session focussed on different situations and their effect on breathing patterns, its awareness and measures to regulate the breathing pattern for being healthy.

The second session by Dr. Sandhya Ravi, Managing Director- Prameya Health Pvt.Ltd, gave an interesting insight into the changes at the base cellular to tissues to overall indicators of disease and measures to be taken care of during illness. She also highlighted on some on **“Do’s and Don’ts”** in the aftermath of the pandemic.



Online Future Skill Training on Robotics and Automation

About the course.

In order to enhance employability and improve placement of students, students need to be imparted requisite hands-on- training on emerging technological areas which have huge employment potential for engineering graduates in coming 2-3 years.

Adhering to the guidelines of MHRD and NPIU it is initiated to conduct online training on upcoming technologies to impart job-oriented training to the students to make them industry ready for complying to the future skill requirements of IT-ITes industries. In this regard we are proposing a 50 hours training program on “Robotics and Automation”. The training involves online theory and practical sessions.

(Students may be allowed for necessary lab work / hands-on practice after lockdown in batches of appropriate size while following strict safety protocols and practicing social distancing)

The students shall undergo formative progress review test midway during the training program and Post training assessment and certification after the training. The tests shall be conducted online through SSC NASSCOM.

Target Audience

IV Semester and VI Semester Enthusiasts interested in understanding the hype behind Robotics and Automation.

Pre-requisites:

Understanding the fundamentals of Control System Engineering, Engineering mathematics, basics of Kinematics. Familiarity with writing code using at least one programming language, or a basic understanding of sensors and microcontrollers.

Learning Outcomes:

- ✓ Explain the basic components of a robot, closed-loop and open- loop control systems.
- ✓ Discuss Robot Kinematics including Kinematic Modelling with Translation and Rotation Representation, transformation, DH parameters, Jacobian, Singularity, and Statics.
- ✓ Discuss dynamic Modelling with Equations of motion.
- ✓ Explain Sensors and Vision System including Contact and Proximity, Position, Velocity, Force, Tactile etc
- ✓ Understand the Camera calibration, Geometry of Image formation, Euclidean/Similarity/Affine/Projective transformations.
- ✓ Explain Basics of Robot Control including Transfer functions, Control laws for P, PD, PID.
- ✓ Discuss Non-linear and advanced controls.
- ✓ Explain Robot Actuators (Electric, Hydraulic and Pneumatic) & Transmission with Gears, Timing Belts and Bearings.
- ✓ Explain Control Hardware and Interfacing for Robotic Process Automation.
- ✓ Discuss the Programming for Robot Applications.

Please find the file attached herewith containing the detailed syllabus for the course (Annex-1).

Assessment and Certification

Following instructions shall be applicable for the student assessments during the training.

1. The formative assessments (mid-training) shall cover a max of 3-4 topics as a subset of overall assessment. These are highlighted in the attached assessment criteria sheets for each technology area.
2. The formative assessment of students shall be conducted for 100 marks and the test duration shall be between 45-60 min.
3. Post training assessment and certification shall be conducted after the successful completion of training.
4. Only those students who are attending training on Future Skills shall be eligible for mid-training and post-training assessment.
5. All assessments shall be conducted online and Auto Proctored through NASSCOM SSC.
6. The assessment results shall be shared within 3 working days with the SPOC of the institute.

7. Formative Assessment scores are independent and shall not be counted in the final assessment scores for certification.

Please find the file attached herewith containing the detailed assessment criteria for the Certification (**Annex-2**)

Course Registration

Fill in the details for registration by clicking on the link below.

<https://forms.gle/zRZbx5nWspdhKSz38>

The detailed schedule of the training will be announced after the completion of the registration process.

Important dates :

Last date to fill the registration form: 09/07/2020.

Training dates: 14/08/2020 to 15/11/2020.

Mid training assessment date: 25/09/2020 (Tentative).

The Final Assessment will be done after the completion of the training and the exam date will be announced in the last week of August 2020 (Tentative*)

*Kindly note: The dates for the final assessment is proposed assuming that the college will reopen by September 2020. The dates are tentative and are subjected to changes based on the situation/developments related to the prevailing covid19 pandemic.

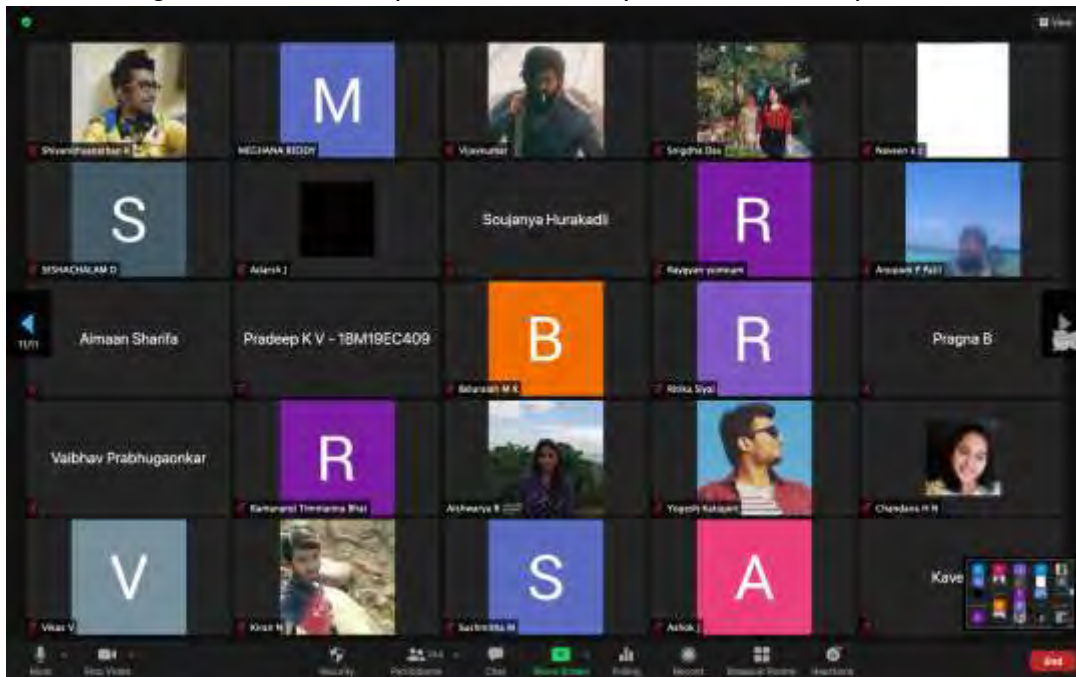
Faculty Incharge

1. Dr. Veena N Hegde,
Professor and Head
Department of Electronics and Instrumentation Engineering
BMSCE.
2. Chaitanya .L
Assistant Professor
Department of Electrical and Electronics Engineering
BMSCE.



Sept 23, 2020
Innovation for Entrepreneurship by
Andrew Ngui, Senior Program Manager, MIT USA

The session was about hacking innovation and life. It gave an insight on tips and tricks from the trenches in entrepreneurship. The session had the details of how to view the world through a solution focused lens and problem based solutions. This depends on the spiraling innovation curve which depends on the effort and time. It is important to test the assumptions. The reason can be found using the IKIGAI concept which includes passion, mission, profession and vocation.



Oct 14, 2020

Innovation for Entrepreneurship by Nivedan Nempe, CEO ARECA TEA

The session was about how Mr. Nempe started his journey as an entrepreneur. He spoke about various steps he took and what made him a successful entrepreneur who is leading in the country. Nivedan started a company called Mystic Aromatics and began manufacturing recycled paper air fresheners alongside doing agricultural product developments. His aim was to help the agricultural community, mainly the farmers produce to be put to use in different ways apart from the conventional consumption of the same. One such product that attracted Nivedan's attention was Areca Nut. He spoke about how this evolved and now he is using this technology to grow crops economically.



Nov 4, 2020

Recipe for successful startup by Dr. Sudeendra Koushik, CEO Prasu

The future of employability as professionals in Industry or as Entrepreneurs depends on the ability to be Innovators. A look at what this means for careers as Industry professionals and Entrepreneurs, the skills and behaviours necessary to be successful in our endeavours. This was covered in depth with examples by the speaker.



DEC 9, 2020
Innovation for Entrepreneurship by
By Avinash B N and Abrar Ahmed, Startup cell, Govt of Karnataka

The session that took place on December 9th 2020 was taken over by two guest speakers from the Startup Karnataka initiative namely Mr.Avinash B N- associate- industry partnership and mentoring startup cell GoK and Mr.Abrar Ahmed associate- marketing and outreach startup cell GoK. This session aimed at educating the students about the various policies opportunities provided by the Government of Karnataka for budding entrepreneurs. This initiative has successfully funded 470 companies which aim at solving socio- economic problems with a corpus of 100 crores. The students were given a good insight on the various Centre of Excellences in Karnataka where their ideas are nurtured into a company. Students were also informed about the various competitions that are conducted such as Idea2PoC where a startup competes in order to win a single grant upto 50,00,000 INR. It was also brought to the students notice that the startup cell is currently open to ideas regarding the development of smart cities. The speaker also informed about the 3 incentives provided by the startup cell namely Patent, Marketing and GST. The speaker also mentioned the Global Innovation Alliance policy that allows startups to solve problems present in other countries where the meeting is arranged with the respective officials and the startup. This initiative focuses on the top 19 global startup ecosystems. This informative session ended with a doubt clarification by the students. At the outset, the session instilled all the information on various opportunities and processes provided by the Government of Karnataka for developing an idea into a company.



Dec 16, 2020

Innovation for Entrepreneurship by By Suhruth G Ujjaini, Community Manager, IKP Knowledge park, Bengaluru

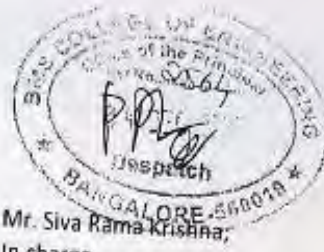
Session by Mr.Suhruth Ujjaini

The talk by Mr. Ujjaini was the best utilization of the students' time. Despite being highly qualified, he was kind enough to look into as well as answer every one of our students' questions and queries. The session was entirely informative and interesting. At the end of Mr. Ujjaini's talk, the students could easily visualise the field of entrepreneurship. They understood how everything works from getting the right idea for innovation, all the way till we get our initial funding from investors. His teachings and ideas were completely practical and exactly complimented the theoretical concepts that were taught in the Innovation For Entrepreneurship classes. Students were able to appreciate and understand the process of innovation and entrepreneurship in its entirety. The talk came at exactly the right time, that is, after they had learnt about the steps in Disciplined Entrepreneurship. In conclusion, it was an intriguing and informative session.



To
The Principal;
B. M. S. College of Engineering.

Through
Dr. C.T. Puttaswamy;
Prof. & Head;
Dept of Chemical Engg.



Mr. Siva Rama Krishna,
In charge
B. S. Narayan Centre for Advanced Learning
and Software Development.

2nd Dec
B

Respected Sir,

Sub: Reimbursement of Revenue generated from National Level Hands-on Training Program on MATLAB
Reg:-

We are happy to inform you that we have successfully completed the conduction of the **National Level week Hands-on Training Program** in association with B. S. Narayan Centre for Advanced Learning and Software Development on **Introduction to MATLAB and Chemical Engineering Applications** during 17th-21st Nov. We have received an amount of Rupees 19,177/- as the registration fees from the 64 participants. As per reference letter dated 09th Nov 2020, we request you to kindly disburse the revenue generated as follows:

S. No	Percentage Split	Bank Detail	Amount in INR	
1.	40% (B. S. Narayan Centre)	B. S. Narayan Centre	7,671/-	
2.	10% (IICHE BMSCE STUDENT CHAPTER BRC)	A/C name: IICHE BMSCE STUDENT CHAPTER BRC	1,918/-	Total 11,506/-
	40% (Resource Personnel)	A/C No: 5044 3054 370	7,670/-	
	10% (Co-coordinator)	Bank Name: Allahabad Bank IFSC: ALLA0212011 Branch: Hanumanth nagar	1,918/-	
	Total Revenue generated		19,177/-	

* Kindly arrange for issuing the cheque of Rs 11,506/- in the name of IICHE BMSCE STUDENT CHAPTER BRC.

Thanking you,

Sincerely,

S. Soumen P & Dr. D. Sreelakshmi
Mr. Soumen. P & Dr. D. Sreelakshmi,
Faculty Coordinators;
Dept. of Chemical Engg., BMSCE.

Enclosures:

1. Approval letter 09th Nov 2020.
2. Participant List.

BMS centre get the
amount in the college
account. amount can be
disbursed from the same.

*Request you to approve for disbursement
of revenue generated by conduction
above said subject program & as per
your approval letter dt. 09.11.2020*

*Further, resource persons task to receive
disbursement will be ^{related} from the
IICHE student chapter account.*

Approved
For analysis pr...
08/12/20
BMS COLLEGE OF ENGINEERING
BANGALORE-560018

Report

National Level Hands - on Training Program (Online) on MATLAB & Chemical Engineering Applications

A **National Level Hands - on Training Program (Online) on MATLAB & Chemical Engineering Applications** was Organized by the **Department of Chemical Engineering & IChE BMSCE Student Chapter** in Association with **B. S. Narayan Center for Advanced Learning and Software Development** from 17th to 21st November 2020. The inaugural was graced by Dr. S. Muralidhara, Vice Principal, BMSCE and Dr. C. T. Puttaswamy, Head of the Dept., Chemical Engg., BMSCE. The training was conducted by the faculty team comprising of Mr. Soumen P, Mr. Shivakumar R, Dr. Chetan A Nayak and Dr. Sreelakshmi D. A total of 64 participants from all over India took part in the training. The objective of the training was to initiate the participants to use MATLAB effectively to solve Chemical Engineering problems. The topics covered were:

Day 1: Introduction to MATLAB

Day 2: Functions, Loops and Plotting Graphs,

Day 3: Differentiation and Integration – Chemical Engg. Applications

Day 4: Linear and Non-Linear algebraic equations - Chemical Engg. Applications

Day 5: ODE - Chemical Engg. Applications.



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(Autonomous Institute, Affiliated to VTU)

B.S. Narayan Centre for Advanced Learning and Software Development

in collaboration with Dept. of Chemical Engineering, BMSCE

&

IICHe BMSCE Student Chapter

CERTIFICATE OF PARTICIPATION

This is to certify that

PRAJWAL YASHWIN PINTO

has participated in the Workshop on:

"Introduction to MATLAB and Chemical Engineering Applications"

conducted by Dept. of Chemical Engineering, BMSCE, Bengaluru-19

from 17-11-2020 to 21-11-2020

DR. B.V. RAVISHANKAR
Principal, BMSCE

DR. C. T. PUTTASWAMY
Head, Dept. of Chemical
Engg.

M. SIVARAMA KRISHNA
Incharge, BSN Centre

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Coordinator, IICHe BMSCE
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45	PRAJWAL YASHWIN PINTO	prajwalpinto.ch19@bmsce.ac.in	Chemical Engineering	BMS COLLEGE OF ENGINEERING	Male	MANGALORE	KARNATAKA
46	M H HALASHANKAR SWAMY	halashankarswamymh333@gmail.com	Chemical Engineering	Siddaganga Institute of Technology,Tumkur	Male	Shimoga	Karnataka
47	KARTHIK S	Karthikswamy2003@gmail.com	Chemical Engineering	Bheemanna khandre institute of technology	Male	Yadgir	Karnataka
48	KRISHNA RANJAN	krishna.ch18@bmsce.ac.in	Chemical Engineering	BMSCE	Male	Patna	Bihar
49	AKHIL DIAS	akhil.ch19@bmsce.ac.in	Chemical Engineering	BMS College of Engineering	Male	Bangalore	Karnataka
50	DEEPAK SHETTY	deepakshetty.amity@gmail.com	Chemical Engineering	Dayanand sagar college of engineering	Male	Bangalore	Karnataka
51	AASHI D PAREKH	aashid.ch19@bmsce.ac.in	Chemical Engineering	BMSCE	Female	Bangalore	Karnataka
52	JHUAN HARRY.D	jhuanharryd@gmail.com	Chemical Engineering	Sri Venkateshwara College of Engineering.	Male	Tuticorin	Tamilnadu
53	ANNAM RAVICHANDRA KAUSHIK	Kaushik.ch18@bmsce.ac.in	Chemical Engineering	BMS COLLEGE OF ENGINEERING	Male	Bangalore	Karnataka
54	MOAIRA IQBAL	moaira.ch17@bmsce.ac.in	Chemical Engineering	BMS COLLEGE OF ENGINEERING	Female	BANGALORE	KARNATAKA
55	ROYSTON SANCTIS	roystonsanctis@gmail.com	Electronic & Communica	NMAM INSTITUTE OF TECHNOLOGY	Male	Dakshina Kannad	Karnataka
56	FIONA FERNANDES	fiona.ch17@bmsce.ac.in	Chemical Engineering	BMS College of Engineering	Female	Bengaluru	Karnataka
57	Bindushree BT	bindushreebt04@gmail.com	Chemical Engineering	Siddaganga institute of technology Tumkur	Female	Tumkur	Karnataka
58	REHAN MOHAMED KHAN	rehanooo2khan@gmail.com	Chemical Engineering	Dayananda Sagar college of engineering	Male	Banglore	Karnataka
59	SHEETAL M PRASD	sheetalsvmprasad@gmail.com	Chemical Engineering	Dayananda Sagar College Of Engineering	Female	Bangalore	Karnataka
60	DARSHAN SAGAR SHIRGUPPI	darshansagar777@gmail.com	Chemical Engineering	Dayananda Sagar college of engineering	Male	Bangalore	Karnataka
61	ASHUTOSH MISHRA	ashutosh.ch19@bmsce.ac.in	Chemical Engineering	BMS College of engineering	Male	Mumbai	Maharashtra
62	Chirag Merlecha	chiragmerlecha.ch17@bmsce.ac.in	Chemical Engineering	BMS college of engineering	Male	Bangalore	Karnataka
63	Srivathsa M M	srivathsasit1@gmail.com	Chemical Engineering	Siddaganga institute of technology	Male	Bangalore	Karnataka
64	MARLON ELDON PAIS	marloneldon.ch18@bmsce.ac.in	Chemical Engineering	BMSCE	Male	Bangalore	Karnataka



**B.M.S. College of Engineering,
Bangalore**
Department of Computer Applications



Invites you for a webinar as part of Extension Lecture Series
in association with BMSCE IEEE WiE Affinity Group
on

Cyber security: Trends and forecast

By

Mrs. Suma Shamanna

Chief Information Security Officer
Canum Info Tech – Bangalore

Date: 29th Sep, 2020

Time: 11:00 AM – 12:30 PM

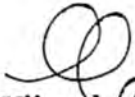
Google Meet Link: <https://meet.google.com/ksg-abnd-kks>

Expected Outcome:

1. Creating awareness on trends in cybersecurity
2. Students get a chance to intern in the area of Cyber Security



Dr. D N Sujatha & V Padmapriya
Coordinators


Dr. Vijayakumar K
HoD, CA

Vision

To emerge as a premier knowledge center for imparting education in Computer applications.

Mission

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M2: Engage in research and development leading to publications/start-ups.

M3: Enhance active collaboration with Industry.



B.M.S. COLLEGE OF ENGINEERING

(Autonomous College under VTU, Approved by AICTE, Accredited by NAAC)

Department of Computer Applications

Report on “Webinar on Cyber security: Trends and forecast”

Organized as part of Extension lecture series in association with BMSCE-IEEE WiE SB

Title of the Event: Webinar on "Cyber security Trends and forecast"

Date: 29th September 2020

Venue/Platform: Google Meet (link <https://meet.google.com/ksg-abnd-kks>)

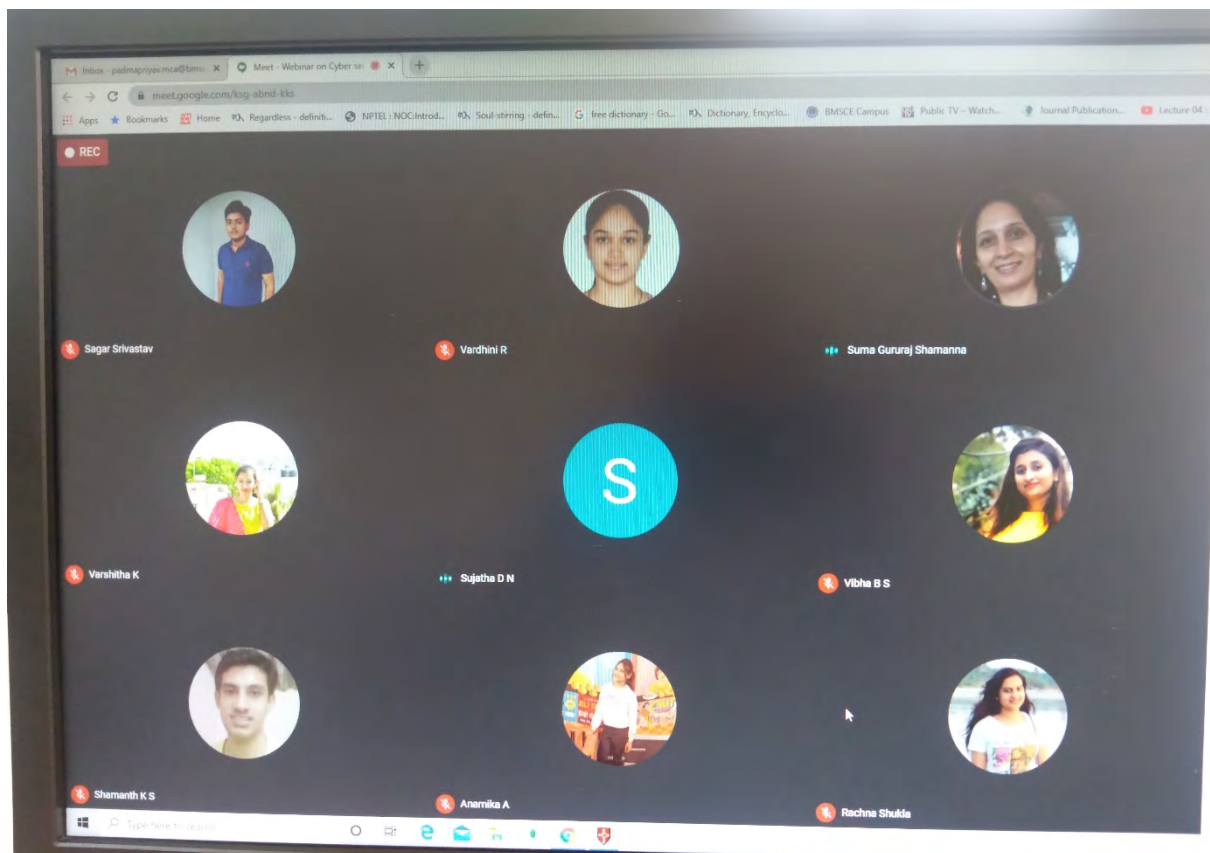
Total number of participants: 54 students, 6 teaching staff, and 1 technical staff

As part of the Extension Lecture series in association with the BMSCE- IEEE WiE-SB Wing of Department of Computer Applications a webinar on “**Cyber security: Trends and forecasts**” was organized for 5th semester students of the department. The speaker of the event was Mrs. Suma Shamanna, Chief Information Security Officer, Canum Info. Tech, Bangalore.

The webinar covered topics like challenges in cybersecurity, causes of security breaches, tactics used in breaches, primary victims, etc. The speaker shared many use cases she has seen in her experience and gave the global statistics of the cybersecurity threats explained the techniques to avoid falling prey to these cybersecurity attacks.

The talk ended with an interesting Q & A session. Overall, it was an informative and inspiring session for all the attendees and students look forward to the work as interns at Canum Info. Tech.

Some of the glimpses from the webinar

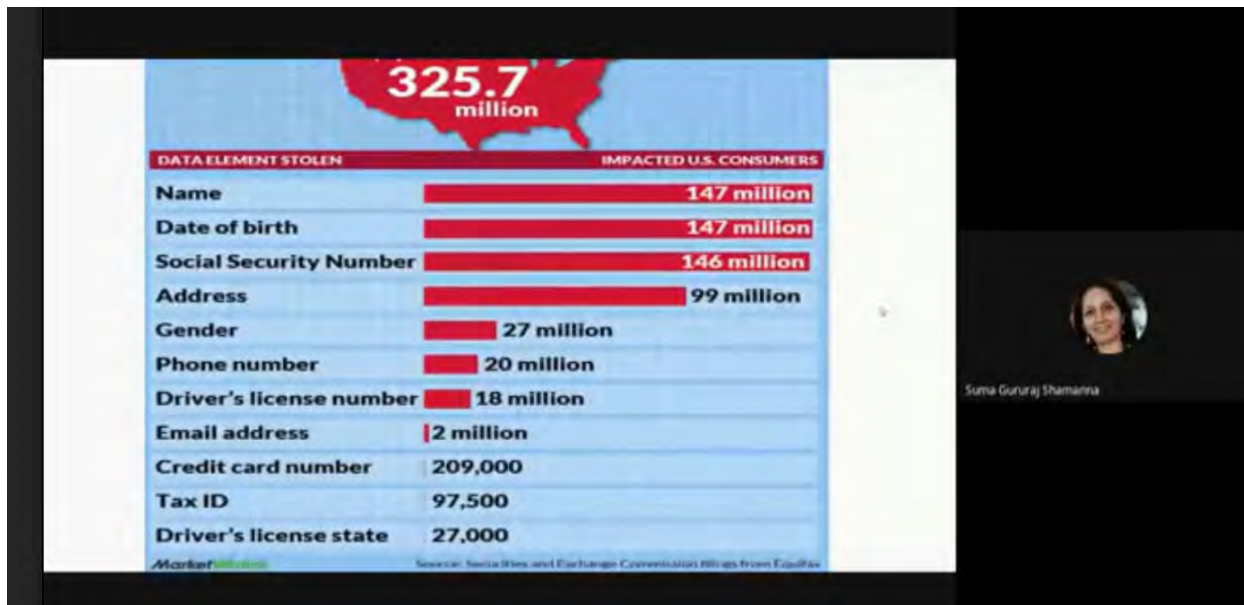


Cybersecurity Challenges

- Inherent vulnerabilities.
- Innumerable entry points to the internet.
- Misleading attribution.
- Movable resources. BYOD, mobile, IoT, Consultants, Vendors, Clients etc.,
- Attack technology outpacing the defenses
- Defense normally protects individual systems and networks but fail to protect the mission-critical operations.
- Anybody is capable of waging an attack.



Suma Gururaj Shamma



Event Coordinated by

Dr. D N Sujatha and V Padmapriya

(Coordinator for Extension Lecture Series and BMSCE IEEE WiE –SB wing of Dept. of CA)



**B.M.S. College of Engineering,
Bangalore**



**B.S. Narayan Centre for Advanced Learning & Software
Development and Placement Club, Dept. of Computer
Applications** invites you for a webinar

on

Cross Platform Mobile Application Development using Flutter

By

Mr. Amit Srivastav

Date: 02/10/2020

Time: 10:30AM – 11:30 AM

Registration Link : <https://forms.gle/dQtFqY5pQ7bSENY67>

Google Meet Link: <https://meet.google.com/uts-quoy-bpe>

Expected Outcome:

1. Creating awareness on Flutter
2. Students get a chance to intern with BSN Centre

Placement Club
Dept. of Computer Applications

Dr. Vijayakumar K
HoD, CA

Vision

To build a strong learning and development environment in the Advanced Computer Science domain to promote innovation towards betterment of the society.

Mission

M1: Collaborate with industries and institutions at national and international levels to enhance training and development in emerging areas.

M2: Create a new generation of entrepreneurial problem solvers for a sustainable future through green technology with an emphasis on ethical practices, inclusive societal concerns and environment.



B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19

(Autonomous College under VTU, Accredited by NAAC)

B.S. NARAYAN CENTRE FOR ADVANCED LEARNING & SOFTWARE DEVELOPMENT

B S Narayan Centre in collaboration with Placement Cell Dept. of MCA, BMSCE organised Webinar on Cross platform mobile app development using Flutter on 02/10/2020 – 10:00 AM to 12:00 PM.

Purpose of workshop is to

- enhance knowledge in specific domain
- introduce students to new technology
- provide them practical exposure to develop skills in specific tools/technology
- Soft skills required to excel in industry/academia
- cater for industrial needs
- enable them to pursue higher education

Webinar gives students an opportunity to apply knowledge for real world problems. Since invited guest speaker is from industry with high profile and experience, students can add new dimension for what they have learnt as part of curriculum.

In view of above objectives, B S Narayan Centre for Advanced Learning & Software Development & Placement Cell Dept. of MCA, have conducted the webinar for the benefit of the students.

For this webinar participants were asked to register (no registration fee) through the Google link.

Webinar started with an introduction given by Mr. Siva Rama Krishna, Assistant Professor Dept. of CA and In charge, B S Narayan Centre for Advanced Learning & Software Development and speaker introduced and welcome by Professor. P Lakshminarayana and warm wishes from our beloved principal Dr. B V Ravishankar.

At the end Dr. Sandeep Varma, Assistant Professor Dept. of ISE proposed vote of thanks.

The session was handled by Mr. Amit Srivastav, CEO Brain Mentors Pvt Ltd. He explained about application development using Flutter.

The participants were faculty and MCA 3rd and 5th sem students.

We thank Dr. Vijayakumar K, head of the department, for providing us an opportunity to organize this webinar. Also, we thank all faculties and non-teaching staff members for their constant support for smooth conduction of the events.

Webinar Coordinators

1. Shri P Lakshminaryana
2. Shri Raghavendra Rao
3. Shri M Siva Rama Krishna



B.M.S. College of Engineering

B.S. Narayan Centre for Advanced Learning & Software Development,
Department of Management Studies & Research Centre, and Dept. of
Computer Applications invites you for a webinar

on

How is AI going to change Marketing

By

Mr. Deepesh Jain

Date: 07/11/2020

Time: 11:00AM

Registration Link : <https://forms.gle/AfeKXPF8FFhbFNc29>

Expected Outcome:

1. Creating awareness on Domain.
2. Students get a chance to intern with BSN Centre.

Dr B N Subha
Dept. of MBA

M Siva Rama Krishna
Incharge, BSN Centre

Dr. Vijayakumar K
HoD, CA

Vision

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B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19

(Autonomous College under VTU, Accredited by NAAC)

B.S. NARAYAN CENTRE FOR ADVANCED LEARNING & SOFTWARE DEVELOPMENT

B S Narayan Centre in collaboration with Dept. of CA and MBA, BMSCE organised Webinar on How is AI going to change marketing on 07/11/2020 – 11:00 AM to 01:00 PM.

Purpose of workshop is to

- enhance knowledge in specific domain
- introduce students to new technology
- provide them practical exposure to develop skills in specific tools/technology
- Soft skills required to excel in industry/academia
- cater for industrial needs
- enable them to pursue higher education

Webinar gives students an opportunity to apply knowledge for real world problems. Since invited guest speaker is from industry with high profile and experience, students can add new dimension for what they have learnt as part of curriculum.

In view of above objectives, B S Narayan Centre for Advanced Learning & Software Development, Dept. of CA and MBA, have conducted the webinar for the benefit of the students.

For this webinar participants were asked to register (no registration fee) through the Google link.

Webinar started with an introduction given by Mr. Siva Rama Krishna, Assistant Professor Dept. of CA and In charge, B S Narayan Centre for Advanced Learning & Software Development and speaker introduced and welcome by Professor. Sridhar, Dept. of MBA and warm wishes from our beloved principal Dr. B V Ravishankar.

At the end Mr. Siva Rama Krishna, Assistant Professor Dept. of CA and In charge, B S Narayan Centre for Advanced Learning & Software Development proposed vote of thanks.

The session was handled by Mr. Deepesh Jain. He explained about the importance and applications of AI in various domains of marketing and expanded about various career opportunities in the domain.

The participants were faculty and students of MCA and MBA.

We thank Dr. Vijayakumar K, Head Dept. of CA and Dr. B N Subha, Head Dept. of MBA for providing us an opportunity to organize this webinar. Also, we thank all faculties and non-teaching staff members for their constant support for smooth conduction of the events.

Webinar Coordinators

1. Shri Sridhar
2. Shri M Siva Rama Krishna



B. M. S. College of Engineering, Bangalore-560019
Department of Computer Applications

Invites you to an Extension Lecture Series
by

Bharath Kumar

Senior Software Engineer, SecPod Technologies

Alumni, Dept. of CA, 2012 Batch

on

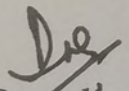
"Cyber Security Threats, Vulnerabilities and Hygiene"

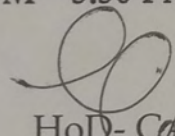
Venue: Google Meet

<https://meet.google.com/nbr-tcvg-fdp>

Date: 20th November, 2020

Time: 2:30 PM – 3:30 PM


Coordinator
P. H. S. S.


HoD- CA

Objectives of the Extension Lecture Series

- Understand the importance of Cyber Security and identify threats and vulnerabilities.
- Tips to maintain hygiene in the cyber space.

Vision of Department

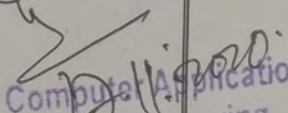
To emerge as a premier knowledge center for imparting education in Computer applications

Mission of Department

M1: To empower students with knowledge, skills and attitude to develop competency in Computer applications through a well-defined curriculum and its effective implementation.

M2: To engage in research and development leading to publications/start-ups.

M3: To enhance active collaboration with Industry


Head, Dept. of Computer Applications
B M S College of Engineering
B M S Temple Road, Bangalore-560 01



B. M. S. COLLEGE OF ENGINEERING, BENGALURU-19
Autonomous Institute, Affiliated to VTU
Department of Computer Applications

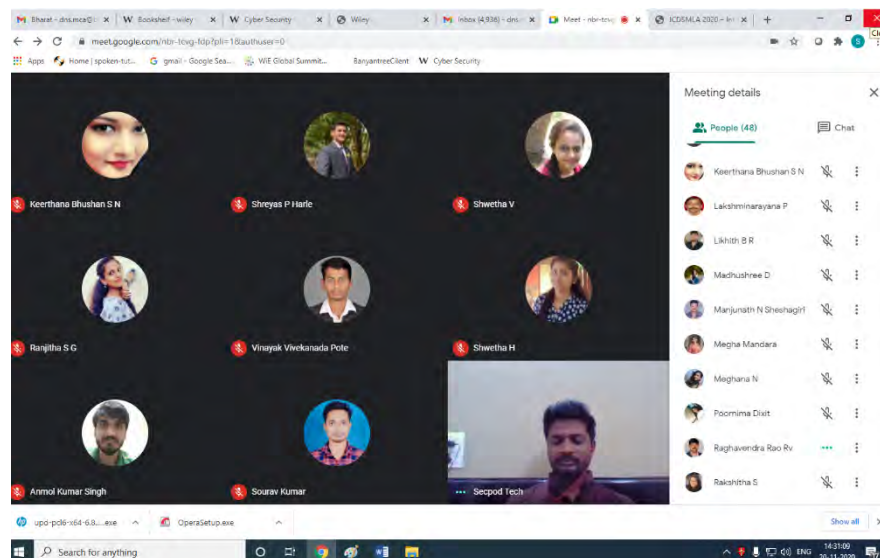
Report on “Cyber Security Threats, Vulnerabilities and Hygiene”

Department of Computer Applications has organized Extension Lecture series on “Cyber Security Threats, Vulnerabilities and Hygiene” by Mr. Bharath Kumar, Senior Software Engineer, SecPod Technologies and also alumni of Department of Computer Applications, 2012 batch on 20th November, 2020 from 2.30 PM to 3.30 PM in virtual mode using the following google meet link: <https://meet.google.com/nbr-tcvg-fdp>

Objective of the Lecture Series:

- Understand the importance of Cyber Security and identify threats and vulnerabilities.
- Tips to maintain hygiene in the cyber space.

Number of Participants: 75 (including 3 faculty members)



The session was interactive and the participants found it be very useful as they were able identify and understand threats and also got tips to maintain hygiene in cyber world.



B.M.S. College of Engineering

B.S. Narayan Centre for Advanced Learning & Software Development,
Department of CSE, ISE and MCA invites you for a webinar

on

TESTFLIX

By

Mr. Nikhil Chikkur

Date: 21/11/2020

Time: 02:15 PM

Registration Link: <https://forms.gle/zUkBM CzPvKyjFY1t8>

Expected Outcome:

1. Creating awareness on Domain.
2. Students get a chance to intern with BSN Centre.

Dr B V Ravishankar
Principal, BMSCE

M Siva Rama Krishna
Incharge, BSN Centre

Vision

To build a strong learning and development environment in the Advanced Computer Science domain to promote innovation towards betterment of the society.

Mission

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B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19

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B.S. NARAYAN CENTRE FOR ADVANCED LEARNING & SOFTWARE DEVELOPMENT

B S Narayan Centre in collaboration with Dept. of CA, Dept. of CSE & Dept. of ISE, BMSCE organised Webinar on TESTFLIX on 21/11/2020 – 02:15 PM to 03:15 PM.

Purpose of workshop is to

- enhance knowledge in specific domain
- introduce students to new technology
- provide them practical exposure to develop skills in specific tools/technology
- Soft skills required to excel in industry/academia
- cater for industrial needs
- enable them to pursue higher education

Webinar gives students an opportunity to apply knowledge for real world problems. Since invited guest speaker is from industry with high profile and experience, students can add new dimension for what they have learnt as part of curriculum.

In view of above objectives, B S Narayan Centre for Advanced Learning & Software Development & Dept. of CA, Dept. of CSE & Dept. of ISE have conducted the webinar for the benefit of the students.

For this webinar participants were asked to register (no registration fee) through the Google link.

Webinar started with an introduction given by Mr. Siva Rama Krishna, Assistant Professor Dept. of CA and In charge, B S Narayan Centre for Advanced Learning & Software Development and speaker introduced and welcome by Professor. P Lakshminarayana and warm wishes from our beloved principal Dr. B V Ravishankar.

At the end Mr. Siva Rama Krishna, Assistant Professor Dept. of CA and In charge, B S Narayan Centre for Advanced Learning & Software Development proposed vote of thanks.

The session was handled by Mr. Nikhil Chikkur, QA Engineer @ EFI. He explained about software testing.

The participants were faculty and MCA 3rd and 5th sem students.

We thank Dr. Vijayakumar K, Head Dept. of CA, Dr. Umadevi V, Head Dept. of CSE & Dr. M Dakshayini, Head Dept. of ISE for providing us an opportunity to organize this webinar. Also, we thank all faculties and non-teaching staff members for their constant support for smooth conduction of the events.

Webinar Coordinators

1. Smt K P Shailaja
2. Shri M Siva Rama Krishna



**B.M.S. College of Engineering,
Bangalore**
Department of Computer Applications



Invites you for a webinar in association with Industry Institute
Interaction Cell (IIIC) and BMSCE IEEE WiE Affinity Group
on

*"The Gogappi journey - Truth about starting a company
(and what they don't tell you)"*

By

Arvind Shekar, CTO, Co-founder
Arjun Ramesh, COO, Co-founder
Samhitha Kottamasu, CM/DO, Co-founder

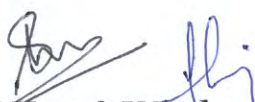
Date: 25th Nov, 2020

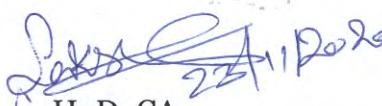
Time: 10:30 AM – 11:30 AM

Google Meet Link: meet.google.com/ivv-yatf-gqp

Expected Outcome:

1. Understanding the pros and cons of starting a venture
2. Learning to take tough decision for being an Entrepreneur against all odds in life
3. Students get a chance to intern with the company


Dr. S Uma & V Padmapriya
Coordinators


22/11/2020
HoD, CA
Head, Dept. of Computer Applications
B M S College of Engineering
Bull Temple Road, Bangalore-560 0

Vision

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Mission

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B.M.S. COLLEGE OF ENGINEERING

(Autonomous College under VTU, Approved by AICTE, Accredited by NAAC)

Department of Computer Applications

Report on **"Webinar on "The Gogappi journey - Truth about starting a company (and what they don't tell you)"**

Organized by BMSCE IEEE WiE SB and IIIC

Title of the Event: "The Gogappi journey - Truth about starting a company (and what they don't tell you)"

Date: 25th November 2020

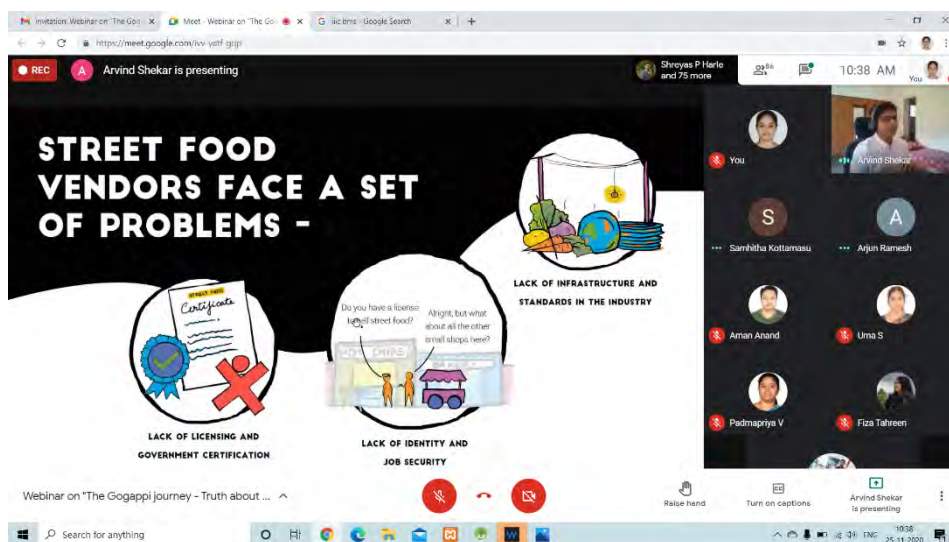
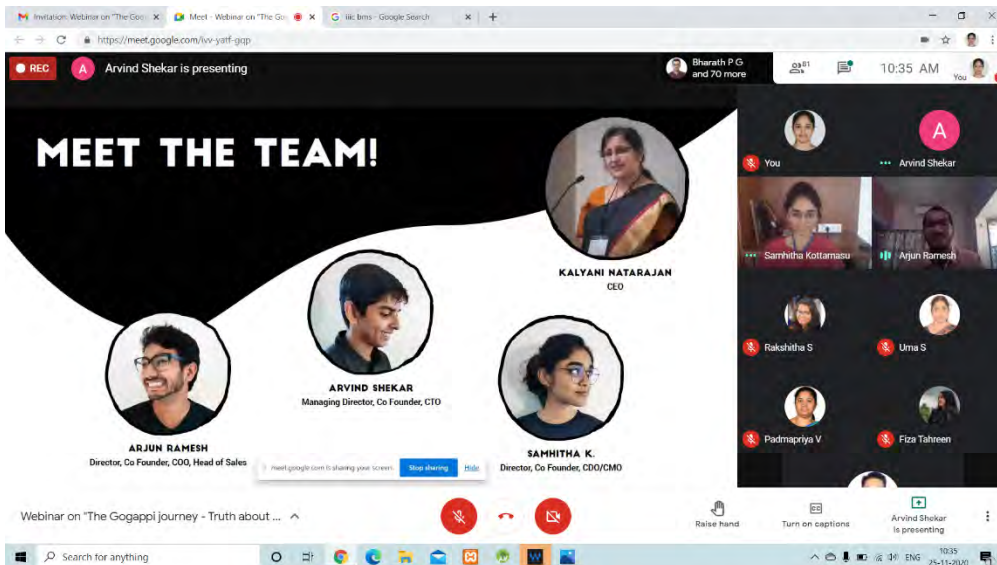
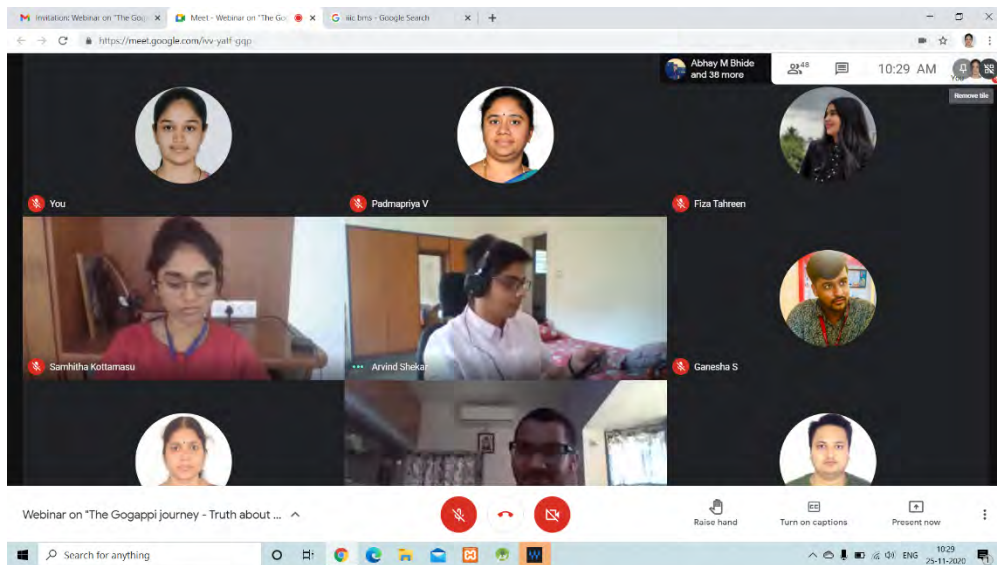
Venue/Platform: Google Meet

Total number of participants: 94

Industry Institute Interaction Cell (IIIC) and BMSCE- IEEE WiE-SB Wing of Department of Computer Applications organized a webinar on **"The Gogappi journey - Truth about starting a company (and what they don't tell you)"**. Mr. Arvind Shekar, CTO, Co-founder, Gogappi. Handles all aspects of the company related to technology. Mr. Arjun Ramesh, COO, Co-founder, Gogappi, handles sales and operations. Ms. Samhitha Kottamasu, CM/DO, Co-founder, Gogappi, handles design and marketing were the resource persons for this webinar.

The webinar aimed to make students understand the concepts of conceptualization and development of a new startup of revolutionizing the Indian street food industry and to identify the real time challenges in developing a company as per the market needs, managing and providing the solutions for all the problems in the view of all the three founders. The webinar ended with a Q & A session which was oriented to know the future plans of the company, about the finance of the company and many more. It was an informative and an inspiring session to the participants.

Some of the glimpses from the webinar



Event Coordinated by

Dr. S Uma and V Padmapriya

Dept. of Computer Applications

IIC Coordinator, BMSCE IEEE WiE SB Coordinator (from Feb 2019)

MicroDegree

in association with



IEEE
Mangalore Sub Section

&



IEEE Bangalore Section

&



Department of
Computer Applications
B.M.S College of Engineering

WorkShop On

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Nov 27th, Friday | 2 : 30 - 4 : 00 PM

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B. M. S. COLLEGE OF ENGINEERING, BENGALURU-19

Autonomous Institute, Affiliated to VTU

DEPARTMENT OF COMPUTER APPLICATIONS

Report on workshop on "Git and GitHub"

The Department of Computer Applications, BMSCE, IEEE Bangalore Section and IEEE Mangalore Subsection in association with M/s Microdegree, organized hands-on workshop on "Git and GitHub" on 27th November, 2020 from 2.30 PM to 4.30 PM in virtual Mode.

Dr U C Niranjana, Chair IEEE Mangalore Subsection, Dr Vijayakumar, HoD, Department of Computer Applications and Dr D N Sujatha, Professor, Department of Computer Applications, Mr Gaurav Kamath and Mr Rakesh Kotari, Founding team, Micro Degree were present as panelists.

Link for panelists: meet.google.com/fqy-wgma-rwa

Link for participants: <https://www.youtube.com/watch?v=hyZxjwZVCC8&feature=youtu.be>

Pre-requisite:

1. Requires Laptop
2. Install Git using this link : <https://git-scm.com/>
Git Installation ಮಾಡುವುದು ಹೇಗೆ : [YouTube Link](#)

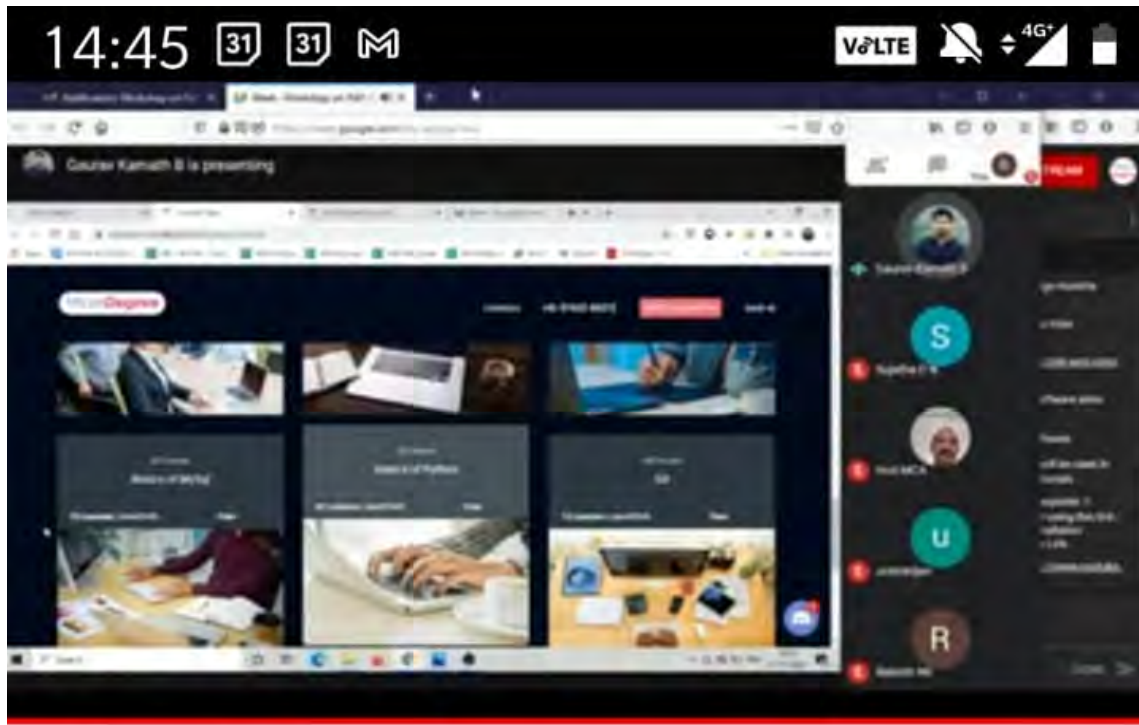
Objectives of the Work Shop:

1. To understand overview of GitHub.
2. To understand the importance of Git software at workplace

Number of Students Participants: 90

There has been an increase in the need for developers in Industry. The local talent is often unable to rise to the occasion hence courses in Kannada can go a long way to empower them with the right tools for jobs. This course enables the participants to learn about the overview of GitHub and the importance of Git software at workplace in Kannada. This a program was designed be vocal in local language. The resource person was Mr Rakesh Kotari, Micro Degree.

The participants were very happy with the learning as it was a true hands-on workshop with all their questions being answered and 12 of them completed the required criteria and were certified in the course on "Git and GitHub" by Micro Degree.



Live chat

Top chat 82



Micro
Degree

14:40 **MicroDegree ಕನ್ನಡ**

Pre-requisite :1. Requires Laptop2. Install Git using this link : <https://git-scm.com/>
Git Installation ಮಾಡುವುದು ಹೇಗೆ : YouTube Link

Micro
Degree

14:41 **MicroDegree ಕನ್ನಡ** https://www.youtube.com/watch?v=MmZ_6...



Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines.

LEARN MORE



Chat publicly as D N Sujatha...



B.M.S. College of Engineering

**B.S. Narayan Centre for Advanced Learning & Software Development,
Department of Management Studies & Research Centre, and Dept. of
Computer Applications** invites you for a webinar

On

How is Blockchain going to change Marketing

By

Mr. Abhigyan Mukherji

Date: 28/11/2020

Time: 11:00AM

Registration Link : <https://forms.gle/AfeKXPF8FFhbFNc29>

Expected Outcome:

1. Creating awareness on Domain.
2. Students get a chance to intern with BSN Centre.

Dr B N Subha
Dept. of MBA

M Siva Rama Krishna
Incharge, BSN Centre

Dr. Vijayakumar K
HoD, CA

Vision

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B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19

(Autonomous College under VTU, Accredited by NAAC)

B.S. NARAYAN CENTRE FOR ADVANCED LEARNING & SOFTWARE DEVELOPMENT

B S Narayan Centre in collaboration with Dept. of CA and MBA, BMSCE organised Webinar on How is Blockchain going to change Marketing on 28/11/2020 – 11:00 AM to 12:00 PM.

Purpose of workshop is to

- enhance knowledge in specific domain
- introduce students to new technology
- provide them practical exposure to develop skills in specific tools/technology
- Soft skills required to excel in industry/academia
- cater for industrial needs
- enable them to pursue higher education

Webinar gives students an opportunity to apply knowledge for real world problems. Since invited guest speaker is from industry with high profile and experience, students can add new dimension for what they have learnt as part of curriculum.

In view of above objectives, B S Narayan Centre for Advanced Learning & Software Development, Dept. of CA and MBA, have conducted the webinar for the benefit of the students.

For this webinar participants were asked to register (no registration fee) through the Google link.

Webinar started with an introduction given by Mr. Siva Rama Krishna, Assistant Professor Dept. of CA and In charge, B S Narayan Centre for Advanced Learning & Software Development and speaker introduced and welcome by Professor. Sridhar, Dept. of MBA and warm wishes from our beloved principal Dr. B V Ravishankar.

At the end Mr. Siva Rama Krishna, Assistant Professor Dept. of CA and In charge, B S Narayan Centre for Advanced Learning & Software Development proposed vote of thanks.

The session was handled by Abhigyan Mukherji, Managing Director PRIX LED. He explained about the importance and applications of Blockchain in various domains of marketing and explained about various career opportunities in the domain.

The participants were faculty and students of MCA and MBA.

We thank Dr. Vijayakumar K, Head Dept. of CA and Dr. B N Subha, Head Dept. of MBA for providing us an opportunity to organize this webinar. Also, we thank all faculties and non-teaching staff members for their constant support for smooth conduction of the events.

Webinar Coordinators

1. Shri Sridhar
2. Shri Raghavendra Rao

3. Shri M Siva Rama Krishna



B.M.S COLLEGE OF ENGINEERING

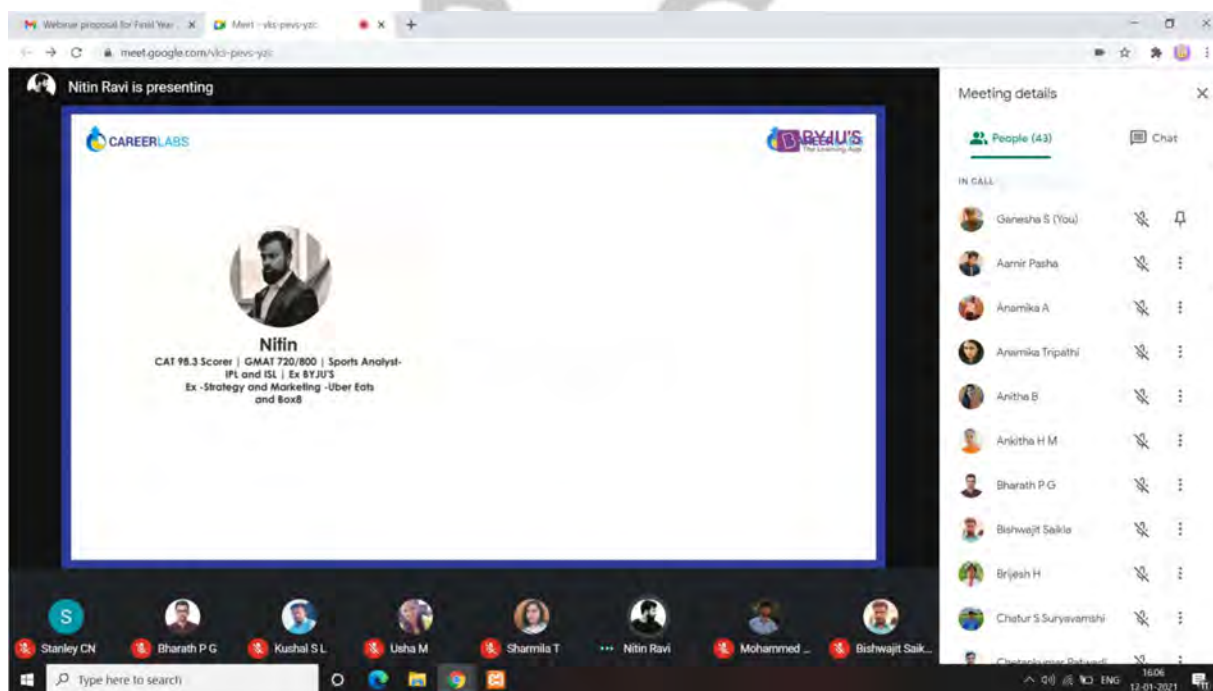
(Autonomous College under VTU, Approved by AICTE, Accredited by NAAC)

Department of Computer Applications

Date: 12.01.2021

Placement Club Activity

“How to crack a Job interview in Full Stack Development, Data Science domains, IoT, Embedded Systems & VLSI”, webinar conducted on 12/01/2021 between 4:00 PM and 5:00 PM by Career Labs. The Host of the session Mr. Nitin Ravi, Founding Member – Career Labs gave a brief summary of Full Stack Development and Data Science Domains. This webinar which was intended to 5th semester students of MCA department conveyed the job opportunities in Full Stack Development and Data Science Domains. It was a very useful session which we hope gives a good impact on the bright side of a student’s career. Overall it was a interactive session.







B.M.S. COLLEGE OF ENGINEERING BENGALURU-19
(Autonomous College, Affiliated to VTU)
Department Of Computer Applications
In Association with R&D Center

Organizes a webinar on

**Career Path Beyond Data Science –
An Actuarial Perspective**

By

Mr. Mahidhara Davangere V. MBA, MFC, MSc(Maths), AIA, AIAI
Managing Director
Pramartha

Date: 05/02/2021

Time: 11.15AM to 12.30PM

Registration Link:

<https://forms.gle/DghU9BNAALUSpiPw8>

Coordinators:

Dr. Abhishek Appaji

Smt. Pushpa T S

Dr. K Vijayakumar

HoD, CA

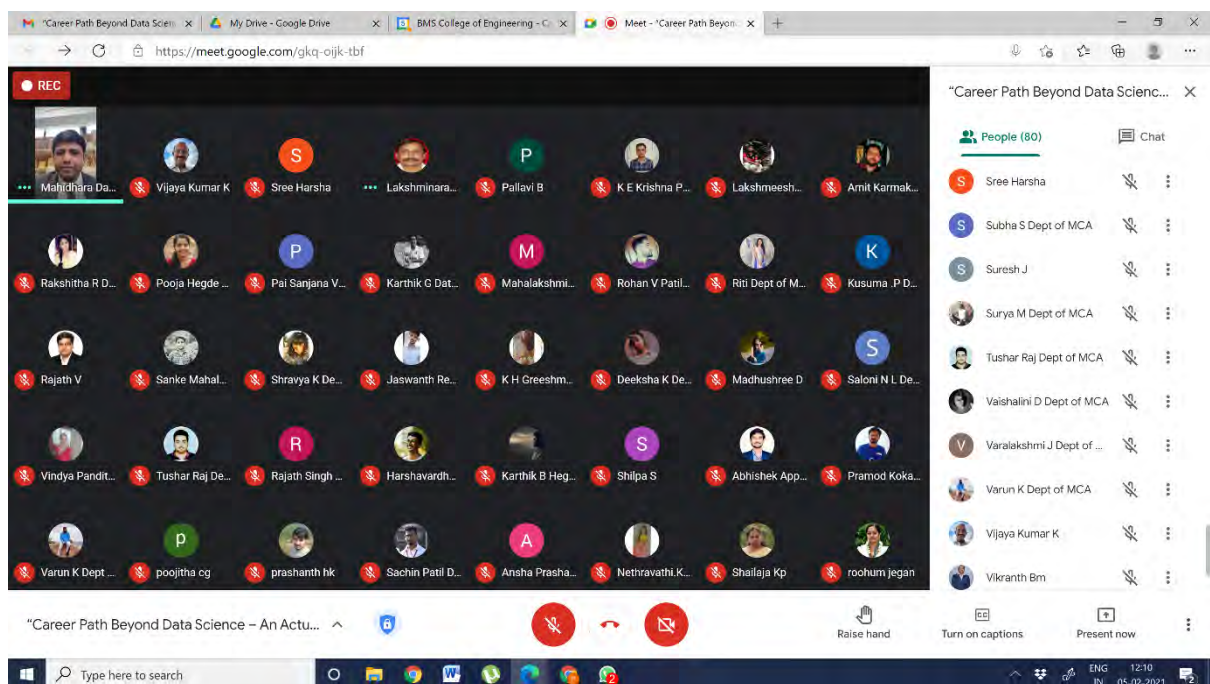
Note: Webinar link will be sent to your registered email-id on February 4, 2021



B.M.S. COLLEGE OF ENGINEERING BENGALURU-19
(Autonomous College, Affiliated to VTU)
Department Of Computer Applications
In Association with R&D Center

Report on “Career Path Beyond Data Science – An Actuarial Perspective”

A webinar on “Career Path Beyond Data Science – An Actuarial Perspective” by Mahidhara Davangere V. MBA, MFC, MSc (Maths), AIA, AIAI, Managing Director, Pramatha was jointly organized by department of Computer Applications and R&D Center on February 5, 2021.



Mahidhara Davangere V. MBA, MFC, MSc (Maths), AIA, AIAI
Managing Director, Pramatha

Mahidhara is a qualified Actuary, Mathematician and founder of Pramatha. He founded Pramatha in 2010 which has now grown across several geographies. He focuses on the wider applications of Actuarial Science like Data Science, Climate Change, Finance and Investment. He had been advising Venture Capitalists and Angel Investors on exit planning using various actuarial risk modelling techniques. He has over 15 years of experience in Research and financial valuation covering industries like Banking, Insurance and financial sectors. He is a renowned speaker and is a part of several International Committees in the field of Actuarial, Data Science, Strategy, Climate Risk, Science and Technology and International investments. He was also the advisor Mathematician in the Scientific Review Committee, set up by Department of Science and Technology, Government of India and regional Co-ordinator for ASEAN Countries during the Indian Science Congress in 2014. He is also a Council Member, Institute and Faculty of Actuaries, IFoA, (UK) since Feb 2019. He

is also the Board Member of Actuaries Without Borders, An International Body based out of Canada. He has been involved with Climate Change and Sustainability Board of IFoA on several initiative, working groups and papers



Students, Technical Staff & Research Scholar : 105

No of Teachers: 25

Total Number of Participants: 125

Documented By:

Smt. Pushpa T S
Assistant Professor
Department of Computer Applications
B.M.S. College of Engineering



B. M. S. College of Engineering, Bangalore-560019
Department of Computer Applications

Invites you to a Webinar

by

Mr. Manjunatha K. M.

Senior Software Engineer, Altimetrik India Pvt. Ltd.
Alumnus 2011-2014 Batch, MCA program, BMSCE

on

“Best Practices for a Successful Professional Career”

Venue: **Google meet**

<https://meet.google.com/nbr-tcvg-fdp>

Date: **20th February, 2021**

Time: **10:30 AM – 12:00 Noon**

Coordinators

HoD- CA

Objective

- To understand the best practices to be followed for a successful professional career.

Vision of Department

To emerge as a premier knowledge center for imparting education in computer applications

Mission of Department

M1: To empower students with knowledge, skills and attitude to develop competency in Computer applications through a well-defined curriculum and its effective implementation.

M2: To engage in research and development leading to publications/start-ups.

M3: To enhance active collaboration with Industry.



Women in Engineering Affinity group

IEEE Bangalore section

- Name of the Event: Webinar on Best Practices for a Successful Professional Career
- Date and timings of the event: 20th February 2021
10-00 AM to 12-00 PM
- Brief description of the event:
BMSCE IEEE WIE-SB Wing of Department of Computer Applications organized a webinar on " **Best Practices for a successful professional career** ". by Manjunath K.M. He is a senior software engineer at Altimetric and also an alumnus of BMSCE MCA 2011-2014 Handles all aspects of the company related to technology. Out of 60, there were 5 of IEEE members and rest all were Non-IEEE members.

For any student the most important thing is to be in knowledge of the current trends in the IT companies. Since this field is always evolving and new technologies come up every new day a so, we need to be updated about the best practices in order to have a successful career ahead. successful career in terms of a stable **work environment**, good work-life balance, and low-stress levels.

It was really an interactive session with the spoke person, all the students actively participated and involves asking certain questions and their doubts.

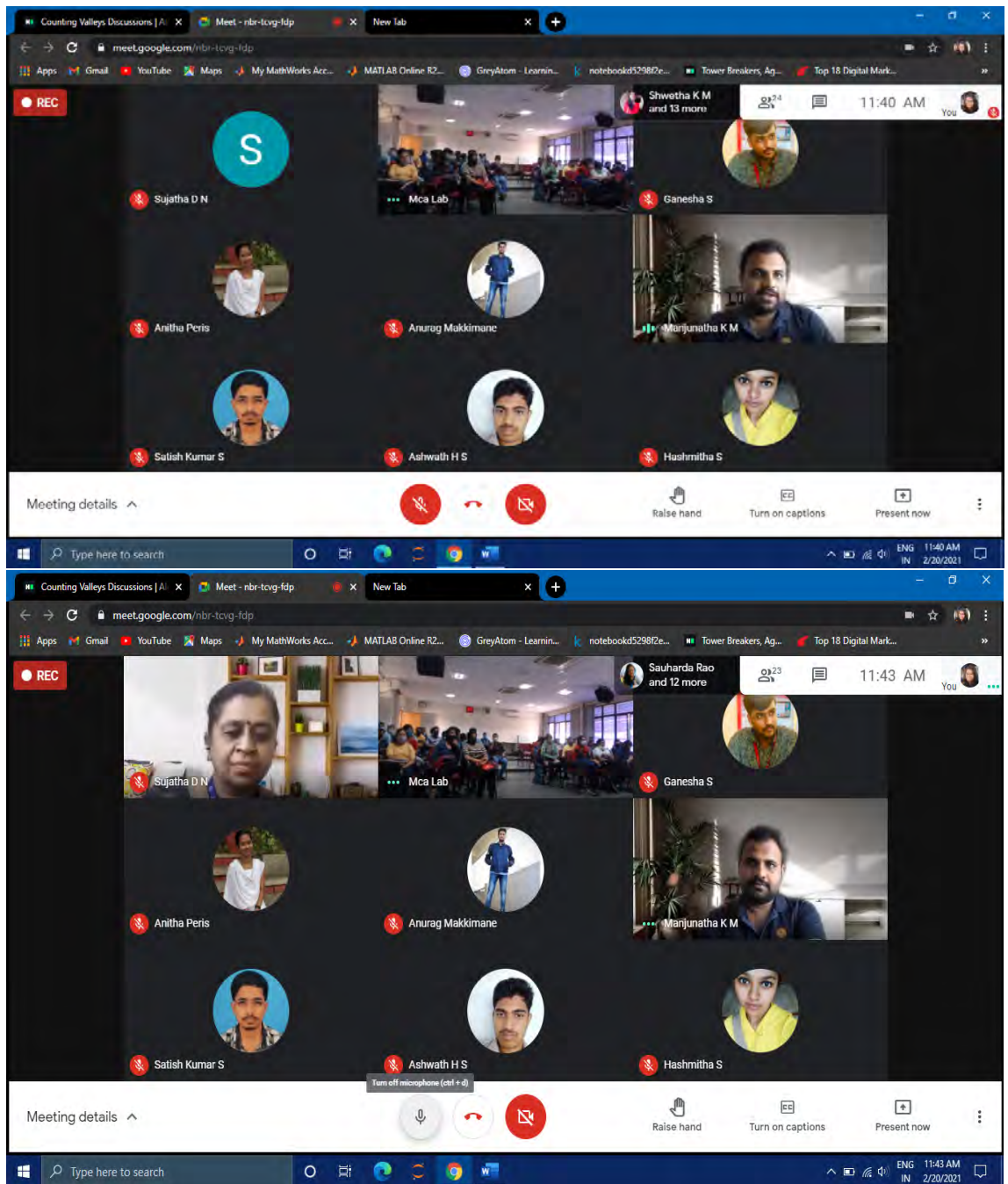
- Resource persons Name with brief profile (photo if available)
 - Speaker1:
Manjunath K M, Senior Software Engineer in Altimetrik
He has 6 plus year of experience as a senior engineer and develops engineer in the field of IT Currently he's working as software engineer in Altimetrik and Unilever as well. He received spot award in recognition of outstanding performance at work and his splendid efforts from Altimetrik as well as Davinta technologies
 - Speaker2
 - speaker n



- IEEE Members attended: Yes
- Non-IEEE members attended: Yes

- Registration fees: No
- Mode of the event (Virtual/offline): Virtual (Google meet)
- (If offline, provide location details)

- Snapshots:



Counting Valleys Discussions | All x Meet - nbr-tcvg-fdp x New Tab x

meet.google.com/nbr-tcvg-fdp

Apps Gmail YouTube Maps My MathWorks Acc... MATLAB Online R2... GreyAtom - Learnin... notebook5298f2e... Tower Breakers, Ag... Top 18 Digital Mark...

REC

S

Sujatha D N

Mca Lab

Ganesha S

Anitha Peris

Poornima Dixit

Manjunatha K M

Satish Kumar S

Megha Mandara

Hashmitha S

Meeting details

People (35)

Chat

Shwetha K M

Sujatha D N

Suresha N

Swathi G

Swathi K P

Teki Devendra Kumar

Vignesh S S

Meeting details

Turn on captions

Present now

ENG IN 11:19 AM 2/20/2021

B. M. S. COLLEGE OF ENGINEERING, BANGALORE-19
DEPARTMENT OF COMPUTER APPLICATIONS
CULTURAL CLUB AND ALUMNI ASSOCIATION

Invites you to Women's Day Celebration

“Empowered women, Empower women”
Guest: Sindhu G S

Date: 6th March, 2021
Venue: FDC

Time: 11.00 AM

Learning outcomes:

1. Showcase their talents and creative ideas as an individual or in a team.
2. Improve communication and presentation skills.
3. Understand the role of society and society issues in shaping values.

Sudip K. R.
5/3/21
Sindhu G S
5/3/2021
Coordinators

Laxmi
5/3/2021
HOD
Computer Applications

Women's Day Celebration

Cultural Activity: 6-Mar-2021

On 6-March-2021, International Women's day was celebrated by MCA department. Celebration was hosted in FDC with all safety measurements along with all SOP guide lines. Celebration was started with a prayer song by the students. Ms. Sindhu G.S, alumna was invited as Chief Guest to address all students and she spoke about women empowerment and how she struggled to get settled as an entrepreneur.



This celebration also helped students to showcase their talents other than in academics. Many students entertained audience by their special talents like singing, dancing, beat boxing, Mono Acting, and Tabala playing. It boosted their confidence too.



Ms. Sindhu addressed all students and faculties sharing her roles, opinion, struggles and experiences while becoming a strong woman in society. Her valuable speech filled our heart and It made student's to think in a broad way. After that multiple performances were given by students to entertain the audience and bring the importance of women in all the stages of life.





**BMSCE
IEEE**



IEEE
BANGALORE SECTION

BMSCE IEEE celebrates International Women's Day

A webinar by our chief guest



MANASI PRASAD

Museum Director of the Indian Music Experience,
an accomplished singer, eloquent orator and arts
manager.

Venue : https://youtube.com/channel/UC6_MHcqT6UZDpw5lOe2Yb8g

Date : 13th March 2021

Time : 11 am

ALL ARE CORDIALLY INVITED



Women in Engineering Affinity group

IEEE Bangalore section

- Name of the Event: Webinar by Manasi Prasad
- Date and timings of the event: 13th March
11-00 AM to 1-00 PM

- Brief description of the event:

BMSCE IEEE, in association with the WIE, Department of MCA, hosted a webinar by Manasi Prasad who was the main speaker, a museum director of the Indian Music Experience, an accomplished singer, eloquent actor and arts manager. The event witnessed a participation of IEEE Members and Non - IEEE Members. The event was hosted on Google Meet. The event started with a welcome note by Rakshitha S (2nd year MCA, BMSCE) and a musical bouquet by Snitha (1st Year MCA, BMSCE) to welcome the chief guest Manasi Prasad followed by the speech of the chief guest to the audience about her journey from a musical enthusiast to a museum director of the Indian Music Experience where 'Choices' played very important role and how they are inevitable part of life. The speech was very motivating and also raised various questions to the audience which were answered patiently and clearly by Mrs. Manasi Prasad.

Post the webinar there was a skit by I Sem of MCA students enacting how even every girl and women should be given equal opportunity to pursue their dreams as men do.

- Resource persons Name with brief profile
 - Speaker1: Manasi Prasad



Manasi Prasad who is Museum director of the Indian Music experience, an accomplished singer, eloquent orator and arts manager. For over 25 years now, she's been to all over India to give a concert, not only in India there are many other countries where she uses to give concert like South America, Africa, Australia and beside Us, Europe and middle east. She is also empaneled artist of ICCR. And Attractive thing is she was recognized as one of the 30 Indians Tomorrow in the annual issue of India today. For these tremendous journeys towards arts, she has been recognized by various institutions, awards as well. She has received Burmilla khan Yuva Parashar from Govt of India, Yuva kalaakar puraskar from Shri shanmukhanandha fine arts and many more. She has sung over 10 albums where she has composed music for. She is adept at rendering Avadhana Pallavi which requires multitasking. Using her dual abilities, she represented many solo dance features Giridhara mira and many more as well.

- IEEE Members attended: Yes
- Non-IEEE members attended: Yes
- Registration fees: No
- Mode of the event (Virtual/offline): Virtual (Google meet)
- (If offline, provide location details)
- Snapshots:



B. M. S. COLLEGE OF ENGINEERING, BANGALORE-19
DEPARTMENT OF COMPUTER APPLICATIONS
ALUMNI ASSOCIATION INVITES YOU FOR

“GRAD TALK”

By

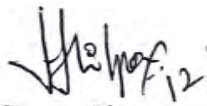
**Sunil Kantilal, Technical Specialist and Data Architect,
Standard Chartered Global Solutions
Alumnus, Department of C.A, 2000 Batch**

Date: 15th March, 2021
Venue: FDC

Time: 3.00 PM

Learning outcomes:

- 1. Understand the themes that are trending in technology.**
- 2. What is medium to long term career in Tech industry?**
- 3. What are expectations of Interviewer from a young grad?**


Coordinator


HOD
Computer Applications
Dept. of Computer Applications
B. M. S. College of Engineering
Bangalore-560 060

Alumni activity on 15th March, 2021

On 15th March 2021, Department of Computer Applications organised “GRAD TALK”. The alumni of MCA 2000-2003 Mr. Sunil Kantilal, Technical Specialist and Data Architect, Shekhar from Standard Chartered Global Solutions were invited.

CONTENTS OF TALK:

- **ABOUT ME – SUNIL KANTILAL**
- **LIFE STORIES– SHARE MY (SUNIL) EXPERIENCE AND DECISION MAKING**
- **THEMES TRENDING IN TECH.**
- **MEDIUM TO LONG TERM CAREER IN TECH INDUSTRY**
- **WHAT IS INTERVIEWER EXPECTING FROM A YOUNG GRAD**
- **FAQ**



MicroDegree



Workshop Series

Jointly organized with BITES & B.M.S.College Of Engineering

Build & Deploy ReactJS Application

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Live Online

Manikanta Nair

Co founder At MicroDegree

22nd April

5 : 00 - 7 : 00 PM

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DEPARTMENT OF COMPUTER APPLICATIONS

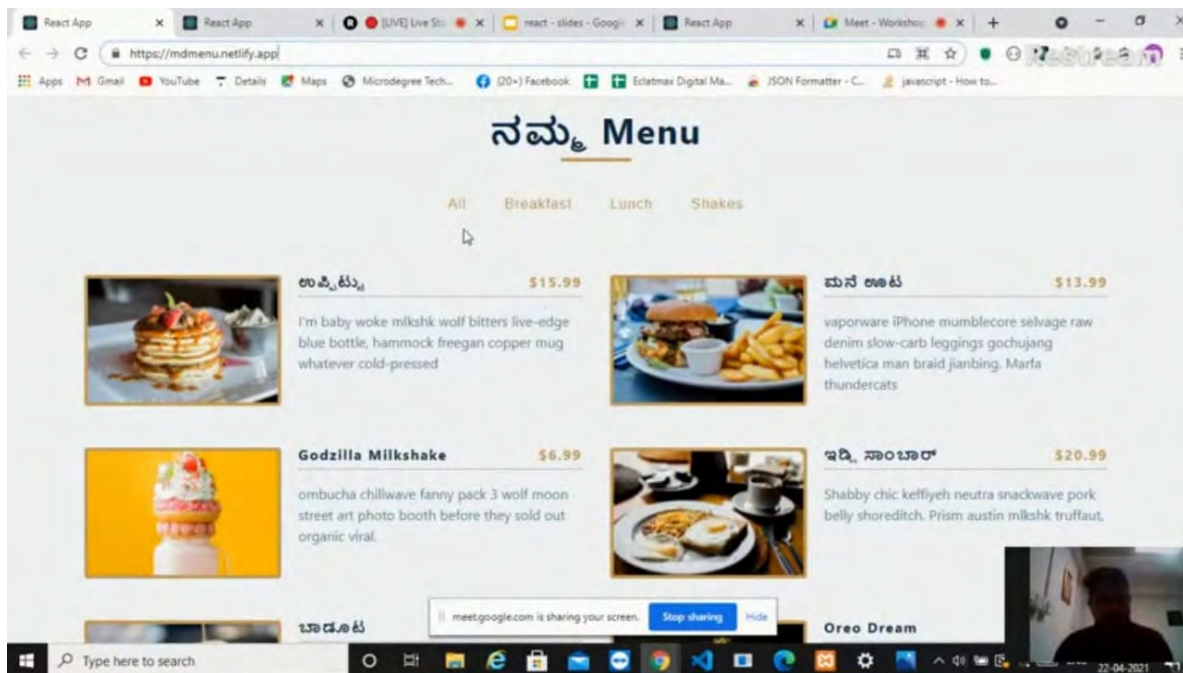
In association with

Board for IT Education and Standards and MicroDegree

Report on workshop on *"Build & Deploy ReactJS Application"* in Kannada on 22nd April 2021 in virtual mode.

Department of Computer Applications, B. M. S. College of Engineering in association on Board for IT Education and Standards and MicroDegree organized a workshop on *"Build & Deploy ReactJS Application"* in Kannada on 22nd April 2021 on Google Meet. In this hands-on workshop, a web application was designed and developed using ReactJS technology and the same web application was deployed to a free hosting platform called as Netlify. Importance of Frontend and Backend development was discussed across technology such as Javascript, NodeJS, MongoDB etc. The students were asked to build a website/resume using HTML CSS or ReactJS and submit the same to receive the certificate.

The resource person was Mr. Manikanta Nair, CEO and Co-Founder, MicroDegree. This work shop was well received by 60 participants on Google Meet and 100+ views on YouTube





B.M.S. College of Engineering

**B.S. Narayan Centre for Advanced Learning & Software Development,
Department of CSE, ISE and MCA** invites you for a webinar

on

The Power of Automation in Software Industry.

By

Mr. Nikhil Chikkur

Date: 21/11/2020

Time: 02:15 PM

Registration Link: <https://forms.gle/zUkBM CzPvKyjFY1t8>

Expected Outcome:

1. Creating awareness on Domain.
2. Students get a chance to intern with BSN Centre.

Dr B V Ravishankar
Principal, BMSCE

M Siva Rama Krishna
Incharge, BSN Centre

Vision

To build a strong learning and development environment in the Advanced Computer Science domain to promote innovation towards betterment of the society.

Mission

M1: Collaborate with industries and institutions at national and international levels to enhance training and development in emerging areas.

M2: Create a new generation of entrepreneurial problem solvers for a sustainable future through green technology with an emphasis on ethical practices, inclusive societal concerns and environment.



B. M. S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU



DEPARTMENT OF COMPUTER APPLICATIONS

In association with

B. S. Narayan Centre for Advanced Learning and Software Development.

Report on: The Power of Automation in Software Industry

Dated: 21.11.2020

Department of Computer Applications in association with B. S. Narayan Centre for Advanced Learning and Software Development has organized Webinar on “The Power of Automation in Software Industry” by Mr. Nikhil Chikkur., Senior Automation Engineer.

Title: Webinar. on “The Power of Automation in Software Industry”

Objective of the workshop: The prime objective of the webinar is to help students to gain a deeper understanding of Industrial Automation Process. Explore the carrier opportunities and to improve their grasp of the concepts. The experience with this webinar will enable students to secure their digital presence in the web world.

Number of students present: 65

Number of faculty's present: 03

Time	Events
2:15 PM – 2.30 PM	Introduction to Speaker and Networking of Participants.
2:30 PM – 4:00 PM	Webinar on “The Power of Automation in Software Industry”
01:00 PM – 01:30 PM	Q/A, feedback

Session 1: Overview of Automation in Software Industry.

In this session, students were introduced the concept of IT automation is the process of creating software and systems to replace repeatable processes and reduce manual intervention with IT automation, software is used to set and repeat instructions, processes, or policies that save time and free up IT staff for more strategic work. Speaker gave an introduction to various tools and techniques used to Automate the Software development and testing.

Outcomes of the Webinar: Students are able to:

1. Understand the basic concept of Industrial Automation.



B S Narayan Centre For Advanced Learning & Software Development

Department of Computer Applications, BMSCE

Seminars, Workshops and Industrial Visit Team, MCA Dept.

A Webinar on **“Cyber Forensic Intelligence Demonstration”** **By**

Dr. Dinesha H. A. M. Tech, Ph.D.,
ISTE, Founder and Director, Cybersena (R&D) India
Private Limited, Professor and HOD, Dept. of Computer Science
and Engineering, NCET, Bangalore

Venue: Google Meet
Time: 11:00 AM – 1:00 PM

Date: 22/05/2021

Coordinator(s)

HoD, CA

Expected Outcome:

- **Know the Importance of Cyber Security**
- **Motivate students to do certification courses**



B. M. S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU



DEPARTMENT OF COMPUTER APPLICATIONS

In association with



B. S. Narayan Centre for Advanced Learning and Software Development.

Report on: Cyber Forensic Intelligence Webinar

Dated: 22.05.2021

Department of Computer Applications in association with B. S. Narayan Centre for Advanced Learning and Software Development has organized Webinar on “Cyber Forensic Intelligence” by Dr. Dinesha H. Ph.D., Founder and Director of Cybersena (R&D) India Private Limited, Professor and HoD, CSE Dept., NCET, Bangalore.

Title: Webinar. on “Cyber Forensic Intelligence”

Objective of the workshop: The prime objective of the webinar is to help students to gain a deeper understanding of basic concepts in the field of cybersecurity and forensic technologies. Explore the carrier opportunities in research, innovations, consultation, development, training, and skill development in the field of cybersecurity and forensic technologies. In this experiential learning webinar, simple experiments are designed that help students to explore how cybersecurity and forensic technologies affect the application behavior in significantly greater detail, to improve their grasp of the concepts. The experience with this workshop will enable students to secure their digital presence in the web world.

Number of students present: 58

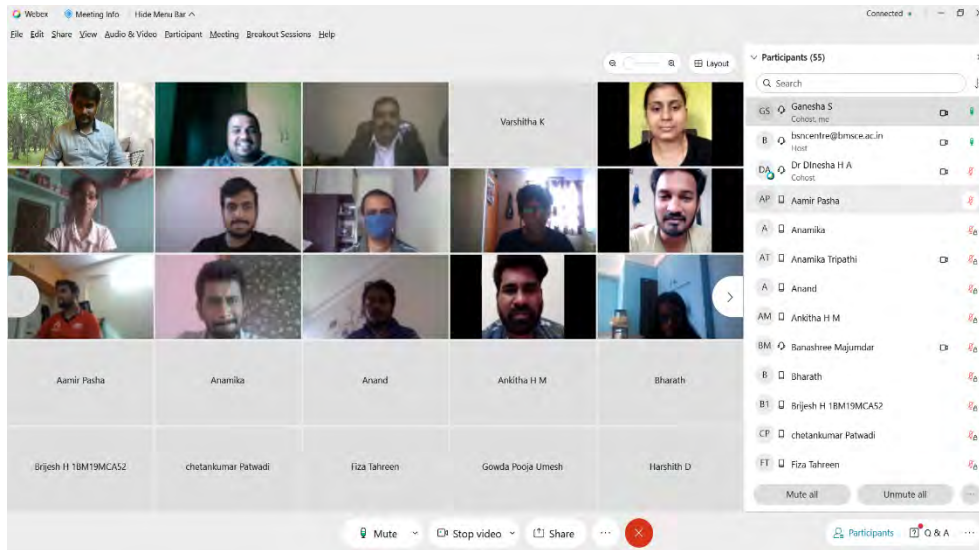
Number of faculty's present: 04

Time	Events
10:45 AM – 11:00 AM	Introduction to Speaker and Networking of Participants.
11:00 PM – 01:00 PM	Webinar on “Cyber Forensic Intelligence”
01:00 PM – 01:30 PM	Q/A, feedback and photos session

Session 1: Introduction to Cybersecurity and Forensic concepts

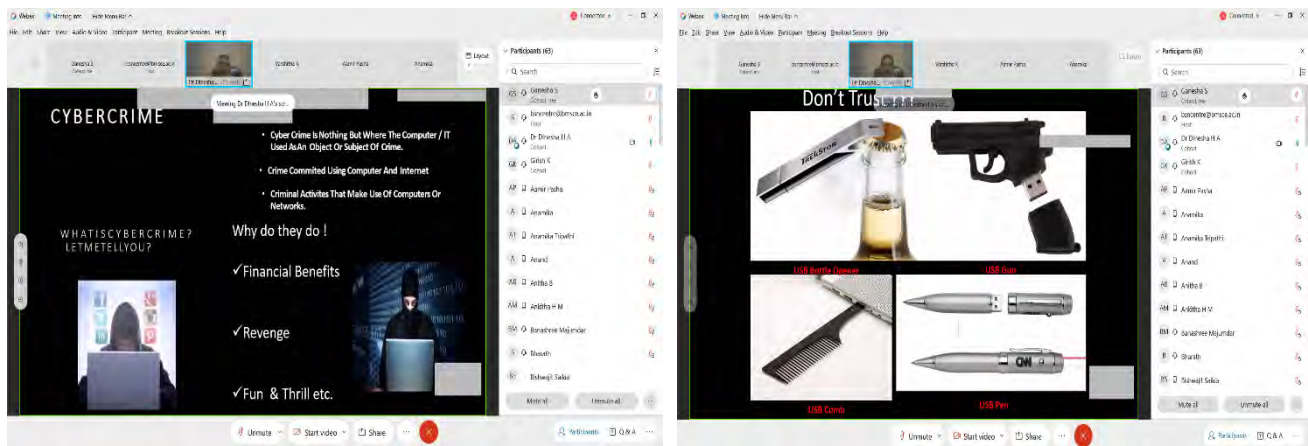
In this session, students were introduced the concept of information security; information assurance; ethical hacking; vulnerability analysis and control; securing databases; steganography; mobile device forensics; operating system security; business continuity response; disaster recovery; legal and ethical issues; auditing; evidence;

intrusion detection; and forensic tools and techniques used to investigate and analyze network-related incidents and preserve digital evidence.



Session 2: Experimental learning through assignments

In this session, students were able to understand the concept by doing hands on experiments using forensic tools which are freely available in Kael OS. Student were able to manage and deploy information resources applicable to each student's particular area of focus in an enterprise setting.



Session 3: Q/A, feedback and photos

Outcomes of the Webinar: Students are able to:

1. Understand the basic concept of Cyber Forensic Intelligence.
2. Use cyber forensic tools to analyses the behavior of user.
3. Applying the concepts of cybersecurity and forensic efficiently to develop network applications.



B.M.S COLLEGE OF ENGINEERING
In Collaboration With **IEEE WIE**

Presents a

WORKSHOP On
"Hands On Git-All What You Need"

May 29 | 3 PM to 5 PM

Venue: Google Meet

IEEE Students: Free

Non-IEEE Students: Rs.50 (Registration Cost)

 **BMSCE_WIE**



Akshay K Ashok
Software Engineer

Rakshitha S: 8884767901



Women in Engineering Affinity group

IEEE Bangalore section

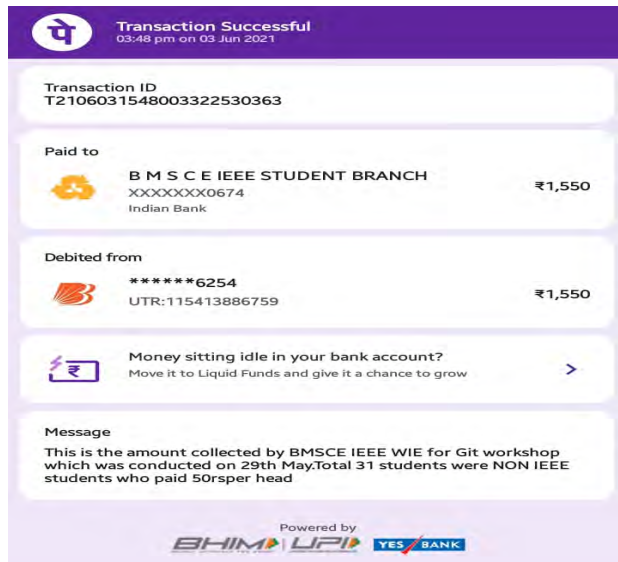
- Name of the Event: **Hands on Git-All What You Need**
- Date and timings of the event: 29th May 2021
3 PM To 6 PM
- Brief description of the event:
BMSCE in collaboration with IEEE WIE, conducted a workshop ‘Hands on Git-All What You Need’. The workshop was about how to use git effectively in distributed environment by making use of traditional git bash and VS code. The event witnessed a participation of 54 IEEE Members and 31 Non - IEEE members. The event was hosted on Google meet virtual platform and there was one speaker named Akshay K Ashok, Software Engineering in Ignitarium, and also alumni (2019 OUTPUT) of Department of Computer Applications, BMSCE. This workshop started formally with introductory speech by Rakshitha S, Chair of BMSCE IEEE WIE and followed by the conceptual presentation of Git by a resource person and later hands on with all the participants.
- Resource persons Name with brief profile (photo if available)



❖ Speaker1: Akshay K Ashok, Software Engineer in Ignitarium.

- IEEE Members attended: Yes (54 Members)
- Non-IEEE members attended: Yes (31 Members)
- Registration fees: Non-IEEE members charged 50/-.
- Mode of the event (Virtual/offline): Virtual (Google Meet)
- (If offline, provide location details)

- Payment mode: Accepted through UPI mode
31 non-IEEE members: 1550
Paid from: Rakshitha S
Paid to: BMSCE IEEE STUDENT BRANCH
Transaction ID: T2106031548003333530363



- Snapshots



Why git?

1. Maintaining multiple versions of code base
2. Who introduced a particular issue and when
3. Revert code to previous state
4. Distributed Development
5. Code Review



Akshay K Ashok Dept of MCA

meet.google.com/csx-nbtg-stv?authuser=0

REC Akshay K Ashok Dept of MCA is presenting

Visual Studio Code (Administrator)

SEARCH CONTROL

Message (Ctrl+Enter to comment on...)

Changes

Git

Git WORKSHOP-2021

64

Jaswanth Reddy E Dept...

K E Krishna Prasad Dept...

K H Greeshma Dept of ...

Karthik B Hegde Dept o...

Koushik S Information S...

Kundan Rao S Dept of A...

Lakshmeesha T Gowda ...

Akshay K Asho...

Shaik Fazluddi...

Shubhra Debn...

Mihir P

Divit Kanath Te...

Manjunath P D...

Rithvik K Joshi...

Aishwarya S D...

Rakshitha T R Dept of MCA has left the meeting

GIT WORKSHOP-2021

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Blue and Yellow C...png

Type here to search

5:15 PM 5/29/2021



B.M.S. COLLEGE OF ENGINEERING, BANGALORE

(Autonomous Institute, Affiliated to VTU, Accredited by NACC with A++)

Department of Management Studies & Research Centre

(Accredited by NBA)

FACULTY DEVELOPMENT PROGRAMME

Ms. ASHWINI M CHALAWADI

This is to certify that

has participated in the **Two week Online FDP on Research, Publication & Funding**,
organised by **Department of Management Studies & Research Centre**,
B.M.S. College of Engineering, Bangalore, during June 8 – 19, 2020.

Dr. B N Shubha

HOD - MBA

Dr. S Muralidhara

Vice Principal

Dr. B V Ravishankar

Principal



B.M.S. COLLEGE OF ENGINEERING, BANGALORE

(Autonomous Institute, Affiliated to VTU, Accredited by NACC with A++)

Department of Management Studies & Research Centre

(Accredited by NBA)

FACULTY DEVELOPMENT PROGRAMME

Dr. GOVINDARAJ PANDITH T G

This is to certify that

has participated in the **Two week Online FDP on Research, Publication & Funding**,
organised by **Department of Management Studies & Research Centre**,
B.M.S. College of Engineering, Bangalore, during June 8 – 19, 2020.

Dr. B N Shubha

HOD - MBA

Dr. S Muralidhara

Vice Principal

Dr. B V Ravishankar

Principal



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FACULTY DEVELOPMENT PROGRAMME

Dr. AMBIKA N

This is to certify that

has participated in the **Two week Online FDP on Research, Publication & Funding**,
organised by **Department of Management Studies & Research Centre**,
B.M.S. College of Engineering, Bangalore, during June 8 – 19, 2020.

Dr. B N Shubha

HOD - MBA

Dr. S Muralidhara

Vice Principal

Dr. B V Ravishankar

Principal



B.M.S. COLLEGE OF ENGINEERING, BANGALORE

(Autonomous Institute, Affiliated to VTU, Accredited by NACC with A++)

Department of Management Studies & Research Centre

(Accredited by NBA)

FACULTY DEVELOPMENT PROGRAMME

Mr. HAOBJAM JAMES WATT

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has participated in the **Two week Online FDP on Research, Publication & Funding**,
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B.M.S. College of Engineering, Bangalore, during June 8 – 19, 2020.

Dr. B N Shubha

HOD - MBA

Dr. S Muralidhara

Vice Principal

Dr. B V Ravishankar

Principal



B.M.S. COLLEGE OF ENGINEERING, BANGALORE

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organised by **Department of Management Studies & Research Centre**,
B.M.S. College of Engineering, Bangalore, during June 8 – 19, 2020.

Dr. B N Shubha

HOD - MBA

Dr. S Muralidhara

Vice Principal

Dr. B V Ravishankar

Principal



B.M.S. COLLEGE OF ENGINEERING, BANGALORE

(Autonomous Institute, Affiliated to VTU, Accredited by NACC with A++)

Department of Management Studies & Research Centre

(Accredited by NBA)

FACULTY DEVELOPMENT PROGRAMME

Dr. SMITHA V SHENOY

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FACULTY DEVELOPMENT PROGRAMME

Mr. SRIDHAR H R

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FACULTY DEVELOPMENT PROGRAMME

Ms.SUSHMA R

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Department of Management Studies & Research Centre

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FACULTY DEVELOPMENT PROGRAMME

Ms.PAVITHRA S T

This is to certify that

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B.M.S. College of Engineering, Bangalore, during June 8 – 19, 2020.

Dr. B N Shubha

HOD - MBA

Dr. S Muralidhara

Vice Principal

Dr. B V Ravishankar

Principal



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Two-Weeks Online FDP on **RESEARCH, PUBLICATION & FUNDING** **8th June – 19th June 2020**

FOCUS OF THE PROGRAMME

- Emerging trends in Business Research
- Introduction to Research Design
- Referencing Tools
- Data collection Methods & Instrument Design, Survey Design best Practices
- Qualitative & Quantitative Research
- Data Visualization
- Multivariate and Predictive Analytics
- e-Resources for Research
- Writing quality Research Papers
- Publishing in top notch journals – indexing and citation
- Exploring Funding opportunities

The program uses a series of contextualized datasets and hands-on analysis

Objective

To give an insight into research methods, publication and funding opportunities

Participant profile

The FDP is open to Faculty members of B-Schools, Degree and Postgraduate Departments, scholars pursuing research in different areas of social sciences and Executives from Corporates

FACILITATORS



Dr. R Srinivasan
UGC-Emeritus fellow,
Management Studies
IISC



Dr. T. Siddaiah
Professor of Management
Formerly Dean,
Principal and Registrar
Sri Venkateswara University



Dr. Shubha B N
Professor & HOD,
Finance,
BMSCE, MBA



Dr. A Satya Nandini
Professor,
Finance,
BMSCE, MBA



Dr. S Manoharan
Associate Professor,
Marketing
BMSCE, MBA



Dr. Shuba Muralidhar
Assistant professor,
Human Resources
BMSCE, MBA



Dr. Smitha V Shenoy
Assistant professor,
Finance,
BMSCE, MBA



Dr. N Chowdappa
Formerly Chief Librarian
B.S. Narayan Memorial Knowledge
Resource Centre
BMSCE

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Management Studies, IISC

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Professor of Management
Formerly Dean,
Principal and Registrar
Sri Venkateswara University



Registration Link:

<https://forms.gle/5HjG5ztzwRDH3mW67>

You are required to upload the screenshot of payment in the **Google Form** while registering.

Joining link:

shall be provided before each session

Last date to Register is 6th June 2020.

Time:

2.00 PM to 4.00 PM

(followed by discussion on assignments)

Mode:

Cisco Webex

Registration fee:

Rs. 800 per participant

Bank details:

Account Number: 20274189823

Name: HOD – Department of MBA

Allahabad Bank & Indian Bank

Hanumanthnagar, Bangalore

IFSC: ALLA0212011

An **E-Certificate** of participation will be provided to all candidates who attend the programme.

PROGRAM COORDINATORS

Dr. Smitha V Shenoy

9480091278

Prof. R Sushma

9620023789

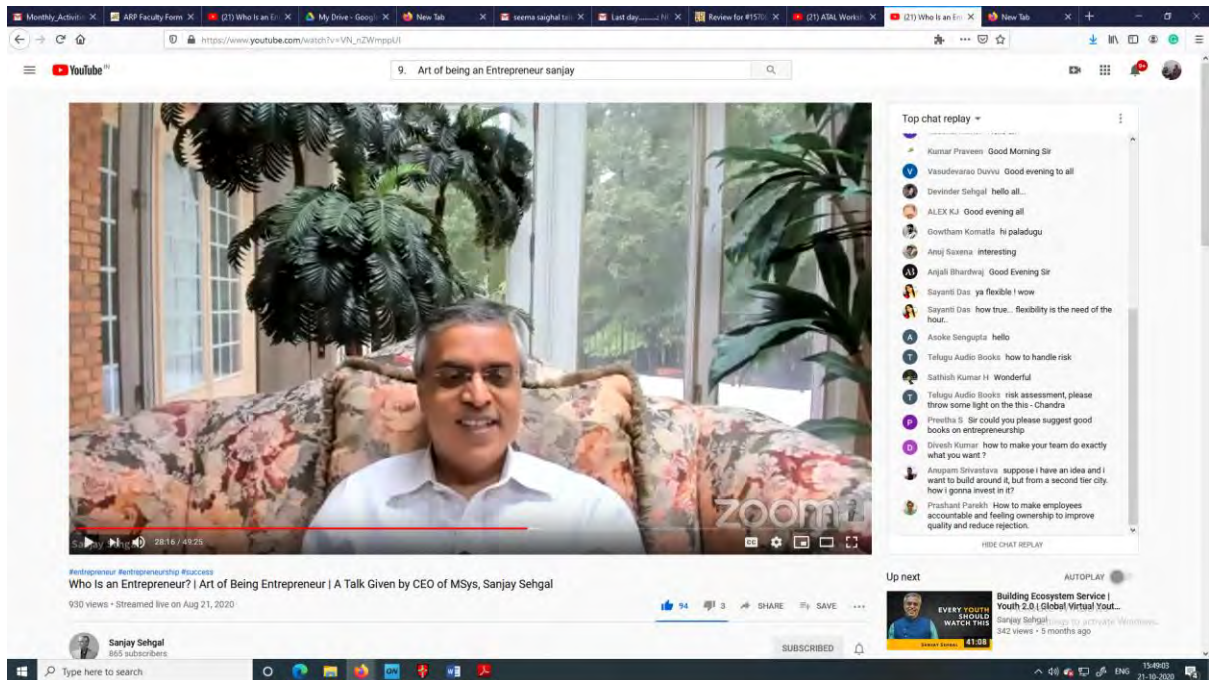
Prof. H R Sridhar

9964292800

For any queries please write to
bmsmba.events@gmail.com

WEBINAR ON THE ART OF BEING AN ENTREPRENEUR

21st AUGUST 2020



BMSCE IEEE conducted a webinar on the Art of being an Entrepreneur on the 21st of August 2020. It was publicized via social media and received attendance of 150 students, 103 of whom were IEEE Members, and 47 were not.

The speaker was Mr. Sanjay Sehgal, Chairman and CEO of MSys Technologies, Atlanta, Georgia, USA

The session started with a brief introduction to the speaker. Mr Sehgal started his talk with his view on entrepreneurs. Being an entrepreneur simply means being someone who wants to make a difference in people's lives. To make the session interesting, he asked a few questions on menti.com such as who would like to become an entrepreneur? 86% of the participants expressed that they would like to become entrepreneurs. His next question was "What motivates them to become an entrepreneur? Many participants expressed that they would like to contribute to society. Being an entrepreneur Mr Sanjay expressed his views on the qualities required for an entrepreneur and also the risk factors involved. The session concluded with a question and answer session.

The students left the webinar with a new outlook on the world of entrepreneurship .

Date: 21st August 2020

Report by:

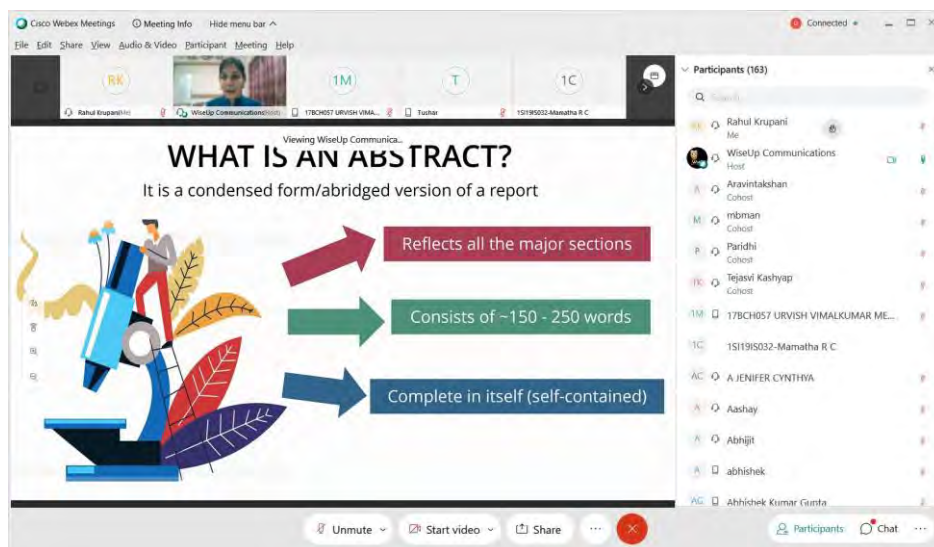
Rahul Krupani

Vice Chair

BMSCE IEEE SB

Talk on Technical Article Writing

17th OCTOBER 2020



BMSCE IEEE, in association with WiseUp Communications, conducted a talk on Getting Yourself Published, conducted on WebEx at 6 PM on the 17th of October, 2020.

The details of the event were publicized through various social media outlets, and received and overwhelming 102 responses, out of which 68 were IEEE Members and 34 were Non IEEE Members.

The speaker was Neha Agrawal, Founder of WiseUp Communications and an alumna of NTU Singapore. She has published three research articles in journals of international repute in a span of 2 years.

The speaker covered topics such as:

- Why scientific writing is important
- How to organize the research article sections
- How to write abstract of a research article
- What is plagiarism and how to avoid it
- How to prepare a scientific presentation

The feedback was positive and the audience left the talk with a fresh outlook on technical article writing.

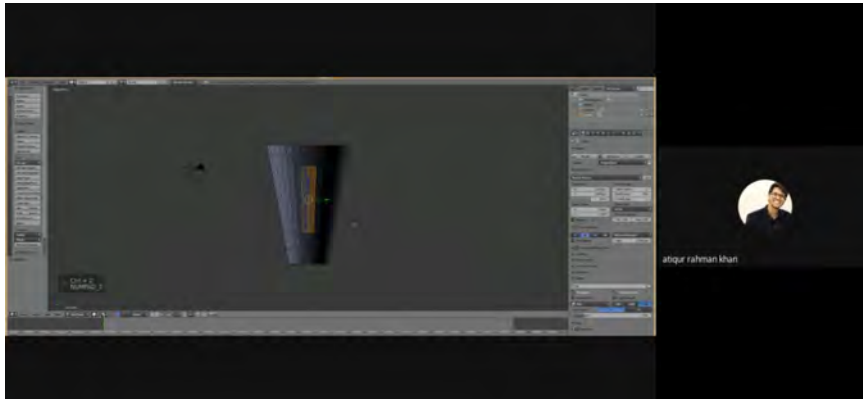
Date: 17th October 2020

Report by:

Rahul Krupani

Vice Chair

BMSCE IEEE SB



A workshop on “Blender: Design” was organized by BMSCE IEEE on the first of November, 2020. The workshop commenced at 3 PM and was held via Google Meet. The details of the event were made available to the student body via social media. The workshop was free of cost to both IEEE and non IEEE members. The objective of the workshop was to educate the participants about the various methods and techniques of modelling and rendering using the software Blender.

Mr. Atiqur Rehman Khan, a 4th year Mechanical Engineering student at BMSCE, was the instructor for the day. He taught the basics by demonstrating the rendering of a 3D coffee mug during the session. The participants were encouraged to download the software and follow every step that Mr. Khan demonstrated. He also informed the participants that relentless practice was the key to being a pro at modelling and rendering.

The workshop had about 60 participants, 33 of them being IEEE members. The workshop garnered an overall positive feedback and several participants were quite happy for attending the workshop as it proved to be very helpful to them. In addition, impressed by Mr. Khan's way of instructing and the ease of working with Blender, a demand to organize another workshop on Animation using Blender was put forth by the participants. On the whole, the participants returned home with a pleased and sated mind.

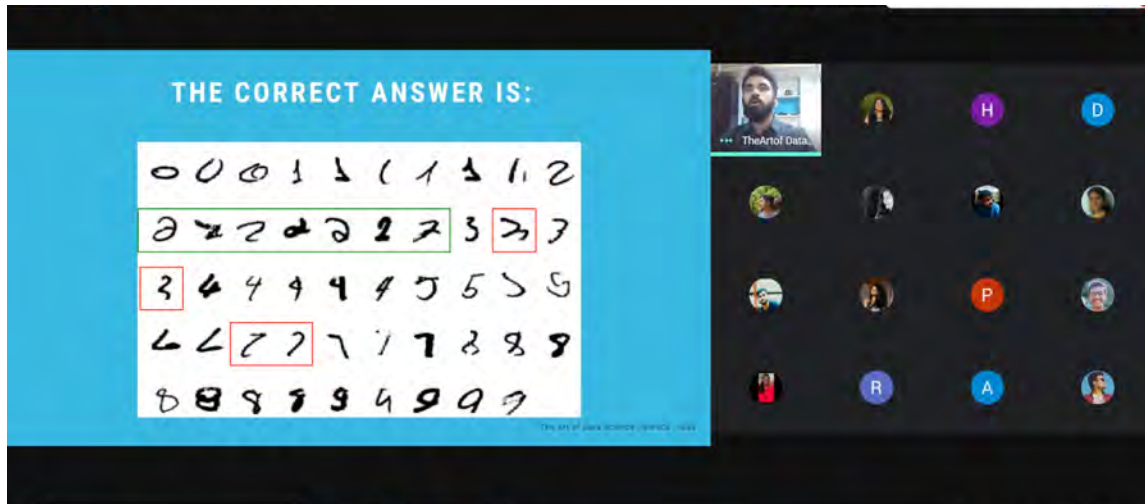
Date: 1st November 2021

Report by:

Chaitanya B

Secretary

BMSCE IEEE SB



BMSCE IEEE in collaboration with “The Art of Data Science” organized a Data Science workshop, “Problem Solving using Machine Learning Algorithms”. The workshop was held on the eleventh of November, 2020. It began at 11 AM and was held via Google Meet.

The details of the event were made available to the student body via social media. The workshop was free of cost to both IEEE and non IEEE members. The speaker and instructor for the day was Mr.Karthik Jannu, the founder of The Art of Data Science and an employee at Amazon. The objective of the workshop was to enable the participants to overcome challenges and problems using Machine Learning Algorithms. Mr. Jannu addressed several industrial problems and means of resolving them. Some of them included predicting maintenance frequency, finding quality defects and many more. The participants were encouraged to better their Machine Learning skills and come up with new approaches in solving other issues present in the industry.

The event was attended by 70 students, 55 IEEE members and 15 non-IEEE members. The feedback received from the students indicated that the participants gained an insight of several problems and obstacles faced in the industry and the means to resolve them. The participants were quite pleased with the workshop and were quite eager to come up with new and better ways in solving these issues.

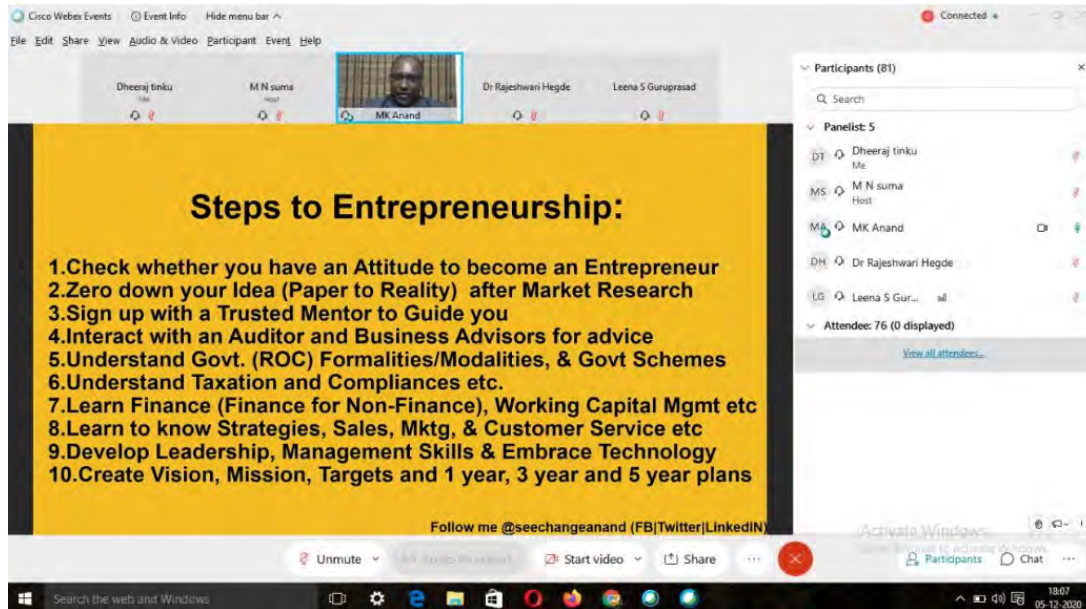
Date: 7th November 2020

Report by:

Chaitanya B

Secretary

BMSCE IEEE SB



A seminar on the Journey of an Entrepreneur was held by BMSCE IEEE, in collaboration with IIC BMSCE, conducted on the 5th of December 2020. The seminar was attended by 85 members, 60 IEEE Members, 25 Non-IEEE Members.

The speaker was Mr. M K Anand, a Strategic Business Advisor, a facilitator to corporates, a Business Advisor to MSME, entrepreneurship and intrapreneurship activist, author and circuit speaker on business and spiritual themes.

The topics covered by the speaker:

- The Spirit of entrepreneurship.
- Different types of customers and how to deal with them.
- How India is a land of Opportunities.
- Different sectors in which you can start your business.
- Difference between entrepreneurship, self employment and business owners.
- Different skills required to become an entrepreneur.
- What is Intrapreneurship?
- Different skills required to become an Intrapreneur.
- Importance of Intrapreneurship.
- Journey of an entrepreneur, and the difficulties faced.

Finally, there was a FAQ session where the speaker answered all the queries of students and teachers alike.

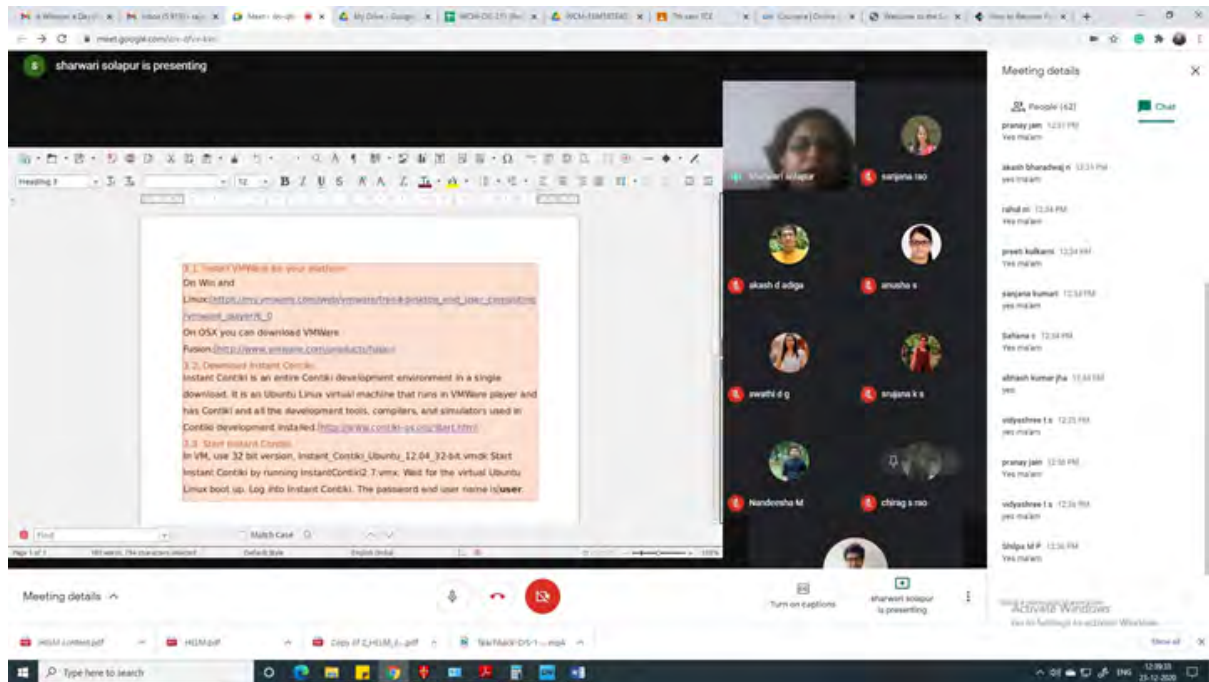
Date: 5th December 2020

Report by:

Chaitanya B

Secretary

BMSCE IEEE SB



"IoT Programming using Contiki OS and Cooja Simulator" was a two day workshop conducted by BMSCE IEEE SB in collaboration with WCM (Wireless Communication-16TE7DCWCM) guest lecture. It was conducted on the 23rd and 24th of December 2020. The workshop was conducted by Mrs. Shawari S Solapure who is a Research Scholar (Pursuing Ph.D) Dept of CSE, GIT, Belgavi. She is a member of IEEE, ISOC-IoT-SIG and the Internet of Society Rural Development SIG board of Directors. This workshop was coordinated by Dr. Rajeshwari M Hegde.

The speaker's introduction was given by Dr. Rajeshwari M Hegde and Sanjana Rao. On the first day, the theory and fundamentals of IoT, sensor networks and the installation of the Cooja simulator was discussed. Continuing into the details and working of Contiki OS and Cooja Simulator were discussed. Concluding with the installation of Insta Contiki which was a prerequisite for the second day of the workshop.

The second day's session started with an explanation on the simulation of a network of 6 nodes, including technical aspects thereof. Mrs. Solapure went on to explain the use of IoT modules and packages in our everyday life. After the demonstration of the network, there was an analysis performed on the data sent and received by the nodes. After this, Mrs. Solapure explained the possibilities of this tool in IoT Research and projects.

Towards the end of the session there was an interactive Q&A session. After which a vote of thanks was given by Dr. Rajeshwari M Hegde.

On the 23rd of December 2020, the event was held from 12:00 PM to 1 PM and on 24th of December 2020 it was from 11:00 AM to 1 PM. It was attended by 60 participants. Out of which 42 were IEEE members and 18 were Non-IEEE members. Despite being a virtual meet, the participants were interactive and were eager to explore and understand the technology behind IoT.

Date: 7th January 2021.

Report by:

Samartha S

Chairperson

BMSCE IEEE SB



BMSCE IEEE conducted a webinar on How to be a successful entrepreneur? on the 10th of July 2020. It was publicized via social media and received attendance of 200 students, 143 of whom were IEEE Members, and 57 were not.

The speaker was Mr. Sanjay Sehgal, Chairman and CEO of MSys Technologies, Atlanta, Georgia, USA

The webinar started with a set of questions for the audience on meti.com such as

1. Who in your opinion is a better entrepreneur?
2. Is it important to start a company or business to become an entrepreneur?

The entrepreneur comes from the French word, Entre preneur which means to undertake or set out a new mission or venture. It does not say anything about setting out a million dollar company. Entrepreneurship is your ability to solve a problem by new means. A problem that has not been solved before. He explained the quote taken from the book which he liked the most. "Being an entrepreneur simply means being someone who wants to make a difference to other people's lives".

The students left the webinar with a new outlook on the world of entrepreneurship .

Date: 10th July 2020

Report by:

Rahul Krupani

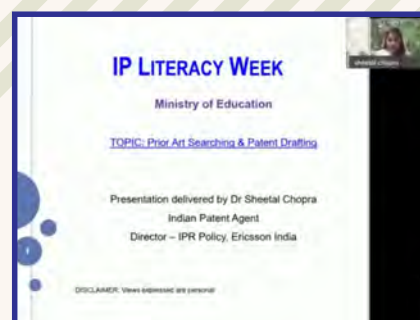
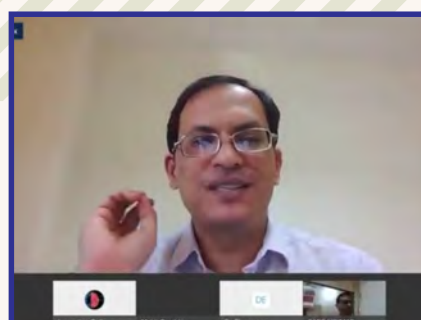
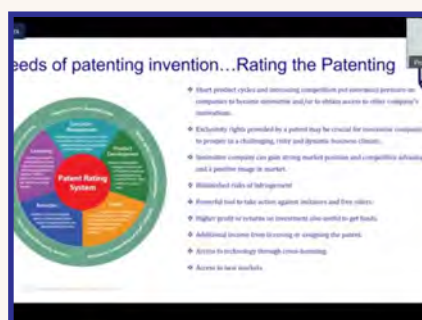
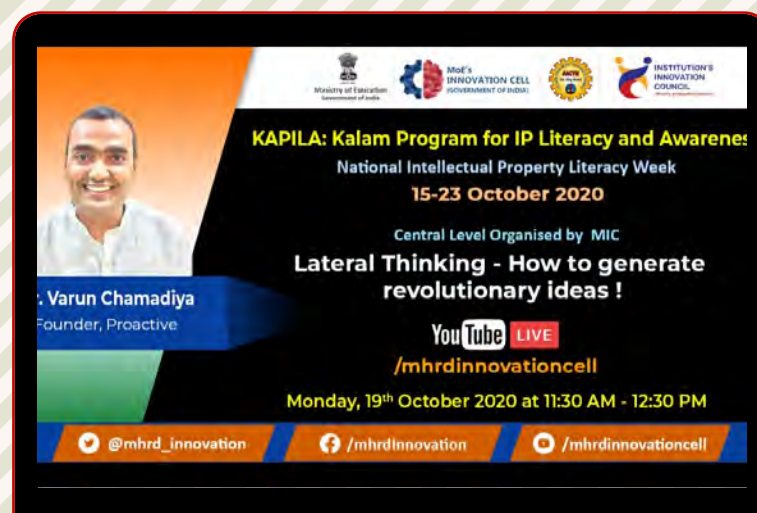
Vice Chair

BMSCE IEEE SB

KAPILA: Kalam Program for IP Literacy and Awareness

National Intellectual Property Literacy Week

| 15-23 October 2020 |





Activity Name: Workshop on Business Model Canvas

Speaker: Nida Sahar, Co-Founder of Nife

Date: 7th May 2021 at 6pm

No.of Participants Registered: 350+

Mode of activity: Online

Duration: 2 hours

Poster of the event :



The session began with a warm welcome speech by Mahima M P, innovation coordinator, BMSCE IIC. Nida Sahar started discussing lean startups and the four major steps involved in creating them which include procuring the idea, construction of a value proposition canvas, building a business model canvas and framing an environmental map. A lean startup involves application of less efforts and churning out more benefits. She briefed about the minimal viable product or MVP that drives a lean startup.

What is the Lean Startup Method?

"The Lean Startup method teaches you how to drive a startup - how to **steer**, when to **turn**, and when to **persevere** - and grow a business with **maximum acceleration**."

THE LEAN STARTUP
ERIC RIES

MEASURE
LEARN
BUILD

"Startup success can be **engineered** by following the process, which means it can be **learned**, which means it can be **taught**"

https://bothidesofthetable.com/curriculum/idea-not-dot-dot-42/136491473

Speaking: Nida (Cohost)

Step 4: Environment Map
Helps you understand your business in the marketplace you are in.

Step 3: Business Model Canvas
Helps you understand how you create value for your business

Step 2: Value Proposition Canvas
Helps you understand how you create value for your customer

Step 1: Get the ideal
Technology addresses a customer's need

TODAY'S FOCUS: Business Model Canvas

An Innovative Idea

5

The business model canvas is a strategic management tool that lets us visualize and assess our business idea or concept. It's a one-page document containing nine boxes that represent different fundamental elements of a business as shown in the picture below.

BUSINESS MODEL CANVAS (FROM BUSINESS MODEL GENERATION, WILEY BOOKS)

Key Partners (7)
Key Activities (5)
Key Resources (6)
Value Proposition (2)
Customer Relationships (3)
Channels (4)
Customer Segments (1)
Cost Structure (8)
Revenue Streams (9)

6

In the above picture the aspects which are present to the right side of the canvas focus on the customer or the market while the left side focuses on the business and the middle portion focuses on the value propositions that represent the exchange of value between the business and the customers.

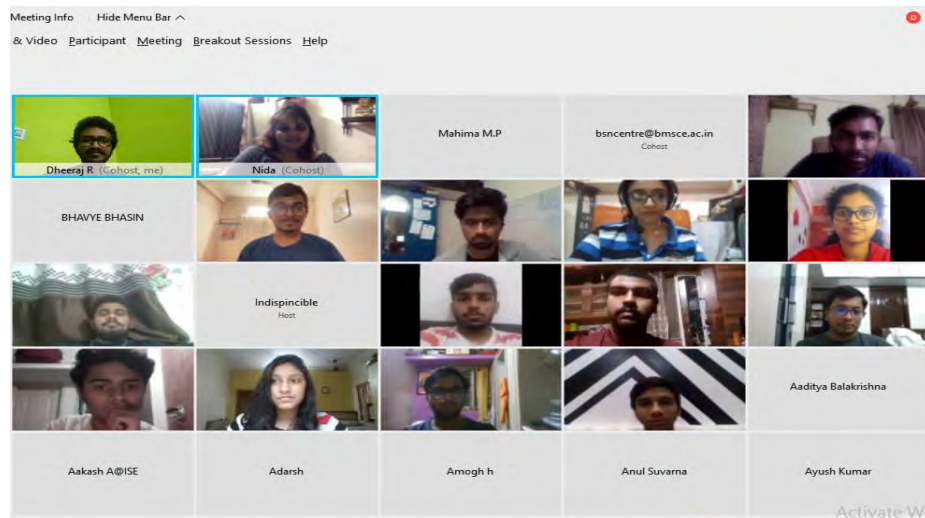
She elaborated each of the above aspects as follows:

1. Customer Segments: These are the groups of people or companies that are to be targeted while selling a product or service. The notable questions to be answered are:
 - For whom are we creating value?
 - Who are our most important customers?
2. Value Proposition: It helps us to recognise the value we have to deliver to the customers and what services or products we are offering to each of the customers.
For example, cost reduction, performance etc.
3. Customer relationships: These are the relationships to be established with the customers and identify on how to acquire, retain and grow our customers.
4. Channels: It is a platform to communicate with the customers and reach them. The different types of channels are:
 - Sales force
 - Web sales
 - Own stores
 - Wholesaler
5. Key Activities: They are the activities that need to be completed to fulfill our business purpose which include value proposition, reaching customer segments and maintaining customer relationships, and generating revenue.
6. Key Resources: Main inputs required to execute key activities and achieve value propositions. Types of key resources are:
 - Human
 - Financial
 - Intellectual
 - Financial
7. Key Partners: Key partners are the external companies or suppliers that will help us carry out key activities. These partnerships help to reduce risk and promote growth.
 - Strategic alliance: partnership between non-competitors
 - Competition: strategic partnership between partners
 - Joint ventures: partners developing a new business
 - Buyer-supplier relationships: ensure reliable supplies

8. Cost Structure: It helps us to figure out the costs associated with the key activities and resources of our business model.
9. Revenue Streams: They are the sources from which a company generates money from its value propositions by selling the products and services to the customers.

Possible ways to create revenue streams:

- Asset sales
- Advertising
- Subscription fees
- Licensing
- Lending/Renting/Leasing



An interactive Q&A session was held where the participants gave their insights on various problems they had come across while validating their start-up. To sum it up a business model canvas is simply a plan describing how a business intends to make money.

The session was concluded with a vote of thanks by Dheeraj R, Chief Coordinator, BMSCE IIC and assurance by Ivy club to indulge students of BMSCE in future workshops.



Ministry of Road
Transport & Highways
Government of India



IIC BMSCE, BMSCE STARTUP CELL
B.M.S. College of Engineering
THE NATIONAL ROAD SAFETY MONTH
With the theme SADAK SURAKSHA JEEVAN
RAKSHA

Report Topic:

"Innovation Case-a-thon on Road Safety"

- ❖ **Event:** Innovation Case-a-thon on Road Safety
- ❖ **Date:** 08/02/2021 to 13/02/2021
- ❖ **Participants:**
- ❖ **Organized by:** and BMSCE IIC startup Cell in collaboration with IRSC BMSCE and NSS unit
- ❖ **Description:**
Participants have to pick one existing, specific problem/hindrance related to road safety in INDIA and have to come up with a possible, practical and **innovative** and technical Solution for the same while concluding this case study.

Total Registrations: 24

Final Submissions: 7

❖ **Objective:**

The aim of National Road Safety Month is to inspire thousands of schools, colleges, organizations and communities to take action on road safety and promote life-saving messages.

It also allows professionals working in road safety to boost awareness of the risks involved whilst working on the road.

❖ HOW TO PROCEED?

1. RESEARCH

Accumulate as much data one can other gather about existing problem. Give us a thorough intel about the problem and support your claims with verified statistics. Once the chosen problem is completely explained, start with possible solution(s) that are supposed to be technical and using already existing technology. If the prescribed solution already exists in different countries, a comparison between India and the other countries regarding use of that solution will be much appreciated.

2. KNOW THE TARGET AUDIENCE

Remember for whom the problem and solution is. A solution shouldn't itself become a new problem for the general public.

3. SETTING A BUDGET

After you've thought of a solution, try to estimate a rough budget that will be required for this solution and figure out if according to you, will this solution be viable for mass implementation, keeping in mind the financial restraints of the government. In nutshell the solution prescribed shouldn't be too costly for the mass implementation.

❖ Guidelines:

1. The event is exclusively for BMSCE students only.
2. Online registration is compulsory for each participant.
3. The submission should be in form of a PowerPoint presentation(pptx) or a pdf of presentation.
4. The presentation should contain a minimum of 7 and a maximum of 15 slides excluding your details and title slide.
5. The problem chosen shall be relevant and valid.
6. Any late submission won't be accepted.
7. The last slide of the presentation should contain all your details- Name, College Name, USN, Dept.
8. Final submission will be considered for evaluation.
9. Decision taken by organizing team will be the final decision.

❖ **Judgement Criteria:**

1. Relevance to the topic/theme
2. Completion of Case Study
3. Practicality of the suggested solution
4. Ease of access of the technology
5. **Innovative** solution
6. Extent of research conducted
7. Explanation/Presentation

❖ **Positives:**

1. The event was full of information and Interesting.
2. The participants got to learn a lot about the Road safety and its norms.
3. Most importantly the need for road safety and its connections with the topic was clearly depicted in participants which led them to ideate good and effective solutions

❖ **Negatives:**

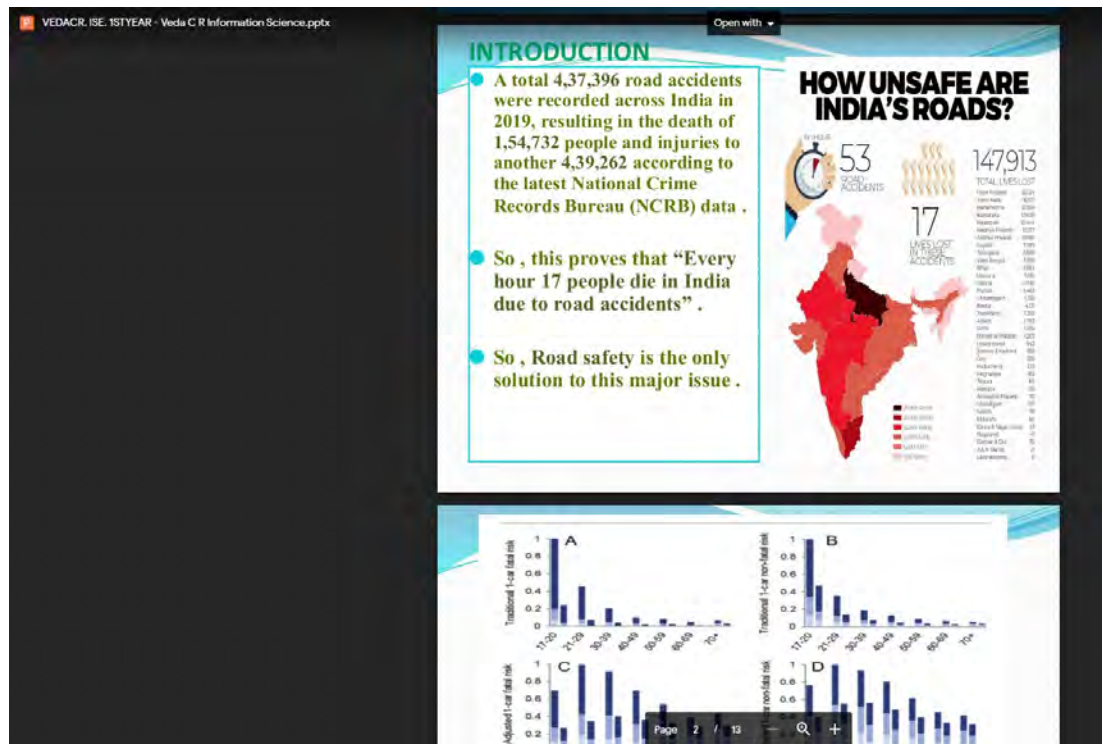
1. Since the event was conducted in online mode students felt it to be straining to be monitoring the screen.
2. Whereas a few of them suffered network issues due to which ample amount of research was not done on their end.
3. The reach of the effectiveness of a speech while presenting in an online event is slightly less in comparison to offline mode workshops/ Case-a-thon

❖ **LINK FOR THE EVALVATION :-**

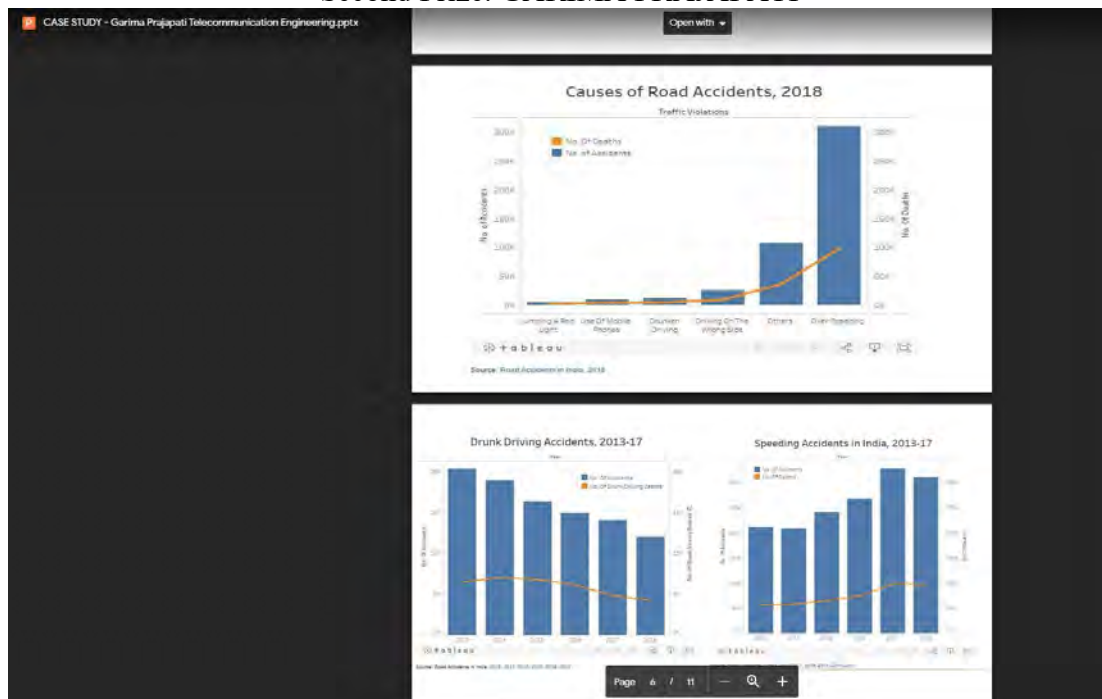
<https://docs.google.com/spreadsheets/d/1iO2uMHbZPGuUdxQvQwQ6GXqymyn5luJQ5vnBMvHxROU/edit?usp=sharing>

Two winners were selected by our judges following the evaluation rubrics.

First Prize: VEDA C R



Second Prize: GARIMA PRAJAPATI



The case study conducted by participants were quite thorough and well researched and the corresponding solution prescribed for the existing problems were quite innovative and not so complicated.

IIC BMSCE

INNOVATION THROUGH ENTREPRENEURSHIP- IP awareness

As a part of two credit course on innovation through Entrepreneurship, motivational talk arranged where three hundred fifty students and six faculty coordinators participate in four series lectures. Resource persons are from India and from abroad. Students are given knowledge on IP from Mr..Narendra Bhat, attorney , Intellocopia.

He spoke about IP process,documentation, types, how to file and whom to approach. It was very excellent session .





IPR Certification Course Workshop Series Report

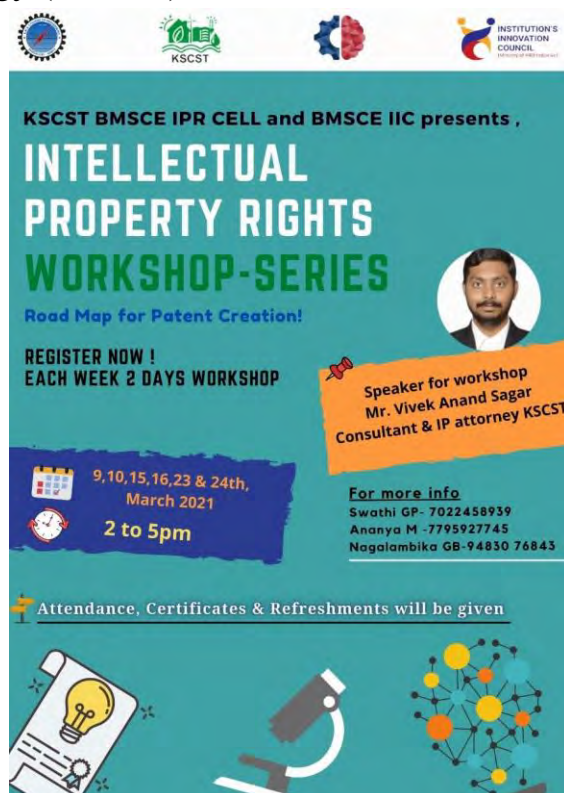
9, 10, 15, 16, 24 and 25 March 2021 | 2pm-5pm | EC Seminar Hall

Organized by- KSCST BMSCE IP Cell, IIC BMSCE

Total Participants- 34

Speaker of the event series- Advocate Vivek Anand Sagar, Consultant and IP attorney, KSCST

Vivek Anand Sagar is a consultant and IP attorney KSCST expert in patents and intellectual property rights (IPR) and consultant to Karnataka State Council for Science and Technology (KSCST).



The course comprised of 6 sessions on various topics:

Day 1 (March 9, 2021)-

- Intellectual Property Rights as a powerful tool for student innovation and young minds.

Intellectual Property (IP) systems can be critical in helping new ventures transform their innovation potential and creativity into market value and competitiveness. Intellectual Property rights (IPR) allow innovative entrepreneurs to protect their inventions.

- Patent & subject matters and filing procedures. Was explained in detail. by giving the participants the clear view of the step by step procedure

Day 2 (March 10, 2021)-

- Prior Art Search- Importance and Use

This helps to identify the closest prior arts and thus can define the scope of protection in patent claims. This can even lead to a reduction in the prosecution time due to the need for fewer office actions and claim amendments.

- Practical Hands on session on Prior Art search.

All of the participants were asked to take their laptops and tabs to have an hands on session

Day 3 (March 15, 2021)-

- Patent and Non-patent literature review.

A patent search requires you to look beyond just databases of patent grants and applications. Patent searchers refer to this universe of materials as the non-patent literature. For example, you may need to look for similar inventions described in scientific literature.

- Hands on session on Patent drafting, claims and specifications.

All of the participants were asked to take their laptops and tabs to have an hands on session

Day 4 (March 16, 2021)-

- Patent procedure in Patent office and First Examination Report(FER)
- Prosecution- Infringement case studies

Case studies helped us in understanding the various aspects as individual situation described which will help us in establishing Successful Business Model through Partnerships and Smart uses of IP

Day 5 (March 24, 2021)-

- Industrial Designs Search, Procedure- Infringement case studies.
Industrial process or means whether manual, mechanical or chemical, separate design .
- Copyrights, Infringement- Plagiarism in research.
Copyright infringement is the use of works protected by copy right law without permission for a usage where such permission is required, thereby infringing certain exclusive rights granted to the copyright holder, such as the right to reproduce, distribute, display or perform the protected work, or to make derivative works ..

Day 6 (March 25, 2021)-

- Copyright exceptions and Case studies.
- Trademark Rights, Geographical indication- Invaluable Treasure on Incredible India

A written test was conducted and course was concluded by distribution of certificates to the active participants.

Mr. Sagar said that the mere publication of the project in reputed journals will be wasteful and it will also give room for plagiarism, without compensating the person responsible for the innovations. He also said that those who complete a project should first get a patent for their work before publishing it in the journals.

Faculty Coordinators:

Dr. Saisha Vinjamuri (IPR Activity Coordinator, BMSCE)

Dr. M.S Suma (IPR and Social Media Coordinator, BMSCE)

Dr. Suma M.N (President, IIC BMSCE)

Student Coordinators :

Dheeraj R (Student Chief Coordinator, BMSCE)

Swathi G Patel (IPR Coordinator, BMSCE)

Ananya Markande (Innovation Coordinator, BMSCE)

Nagalambika G Biradar (Internship Coordinator, BMSCE)

IPR WORKSHOP DAY 1

9TH MARCH 2021



IPR WORKSHOP DAY 2

10TH MARCH 2021



IPR WORKSHOP DAY 3

15TH MARCH 2021



IPR WORKSHOP DAY 4

16TH MARCH 2021



IPR WORKSHOP DAY 5

24TH MARCH 2021



IPR WORKSHOP DAY 6

25TH MARCH 2021





Distribution of certificates



Group photo with the Speaker



Journey of an Entrepreneur Report

5/12/2020 | 5:00 pm | Online meet

Report By - Skanda H

Organized by IIC BMSCE and BMSCE IEEE.

Total registration - 165 approx..

Attendees - 85

Attended By –

Mr. M K Anand (Speaker)

Dr. Leena S Guruprasad(Moderator),

Dr. M N Suma (President IIC),

Dr. Rajeshwari Hegde (Student activity coordinator),

Dr. Abhishek Appaji (StartUp activity coordinator), students and student coordinators.

Speaker - “See change” Anand

About the speaker : -

Founder & Partner | Strategic Business Advisor

Knowledge partner - Facilitator to corporates

Business Advisor cum buddy to MSME

Entrepreneurship and intrapreneurship activist

Author, Writer and circuit speaker on Business and spiritual themes.

The speaker talked about -

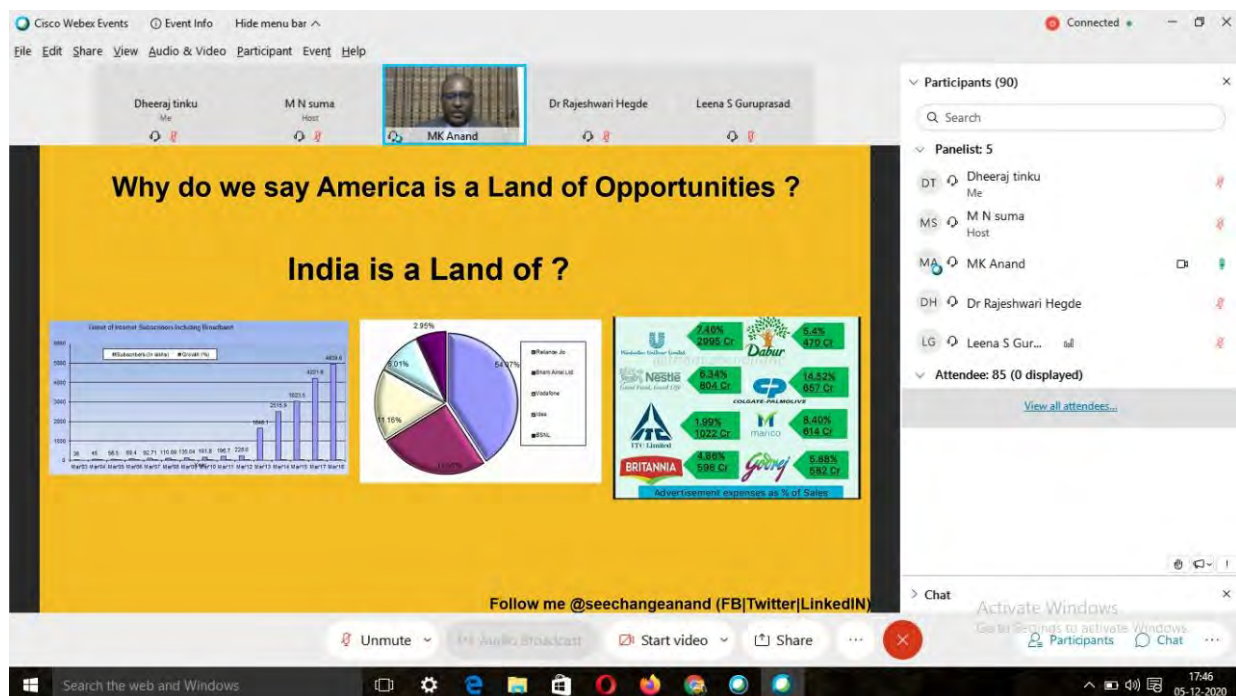
- The Spirit of entrepreneurship.
- Different types of customers and how to deal with them.
- How India is a land of Opportunities.
- Different sectors in which you can start your business.
- Difference between entrepreneurship, self employment and business owner.
- Different skills required to become an entrepreneur.
- What is Intrapreneurship?
- Different skills required to become an Intrapreneur.
- Importance of Intrapreneurship.
- Journey of an entrepreneur, and the difficulties faced.

Finally, there was a FAQ session where the speaker answered all the queries of students and teachers alike.

Poster created by student coordinators for the event –



Some Screenshots of the Event –



Cisco Webex Events | Event Info | Hide menu bar

File Edit Share View Audio & Video Participant Event Help

Dheeraj tinku Me M N suma Host MK Anand Dr Rajeshwari Hegde Leena S Guruprasad

Participants (87)

Search

Panelist: 5

DT Dheeraj tinku Me

MS M N suma Host

MA MK Anand

DH Dr Rajeshwari Hegde

LG Leena S Gur... all

Attendee: 82 (0 displayed)

[View all attendees...](#)

Entrepreneurial Journey

Viewing MK Anand's applic...

I DIDN'T KNOW FOR A VERY LONG TIME...

4 Types of Customers

Cheap Customers	Sophisticated Customers
Better Deal /Price Conscious	Research Based /Data/Figures
Difficult Customers	Affluent Customers
Negative Energy	Feeling based decision

Follow me @seechangeanand (FB|Twitter|LinkedIn)

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Search the web and Windows

17:36 05-12-2020

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Dheeraj tinku Me M N suma Host MK Anand Dr Rajeshwari Hegde Leena S Guruprasad

Participants (81)

Search

Panelist: 5

DT Dheeraj tinku Me

MS M N suma Host

MA MK Anand

DH Dr Rajeshwari Hegde

LG Leena S Gur... all

Attendee: 76 (0 displayed)

[View all attendees...](#)

Steps to Entrepreneurship:

1. Check whether you have an Attitude to become an Entrepreneur
2. Zero down your Idea (Paper to Reality) after Market Research
3. Sign up with a Trusted Mentor to Guide you
4. Interact with an Auditor and Business Advisors for advice
5. Understand Govt. (ROC) Formalities/Modalities, & Govt Schemes
6. Understand Taxation and Compliances etc.
7. Learn Finance (Finance for Non-Finance), Working Capital Mgmt etc
8. Learn to know Strategies, Sales, Mktg, & Customer Service etc
9. Develop Leadership, Management Skills & Embrace Technology
10. Create Vision, Mission, Targets and 1 year, 3 year and 5 year plans

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18:07 05-12-2020

Cisco Webex Events Event Info Hide menu bar

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Dheeraj tinku Me M N suma Host MK Anand Dr Rajeshwari Hegde Leena S Guruprasad

Intrapreneurship – The Way Forward

Intrapreneurship Insight : Intrapreneurship describes a people-centric, bottom-up approach to developing radical innovations in-house.

Follow me @seechangeanand (FB|Twitter|LinkedIn)

Participants (77)

Panelist: 5

- DT Dheeraj tinku Me
- MS M N suma Host
- MA MK Anand
- DH Dr Rajeshwari Hegde
- LG Leena S Gur...

Attendee: 72 (0 displayed)

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Search the web and Windows

18:11 05-12-2020

Cisco Webex Events Event Info Hide menu bar

File Edit Share View Audio & Video Participant Event Help

Dheeraj tinku Me M N suma Host MK Anand Dr Rajeshwari Hegde Leena S Guruprasad

Explore for Entrepreneurial Journey

Follow me @seechangeanand (FB|Twitter|LinkedIn)

Participants (80)

Panelist: 5

- DT Dheeraj tinku Me
- MS M N suma Host
- MA MK Anand
- DH Dr Rajeshwari Hegde
- LG Leena S Gur...

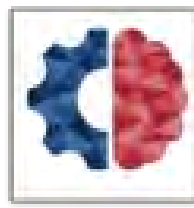
Attendee: 75 (0 displayed)

Unmute Audio Broadcast Start video Share

Search the web and Windows

18:09 05-12-2020

[Link for Webinar:](#)



LIFE IN A STARTUP

11/12/2020 6 PM ONLINE MEET

REPORT BY-SWATHI G PATEL

Organized by IIC BMSCE

Total registration - 100

Attendees - 60

Attended By –MR. SOURABH MATHUR (Speaker)

Dr. Leena S Guruprasad(Moderator),

Dr. M N Suma (President IIC),

Dr. Kavitha sooda(Student activity coordinator),

Students and Student Coordinators

Moderator (student coordinator) :- Dheeraj R

Speaker :- MR. SOURABH MATHUR

About the speaker :-

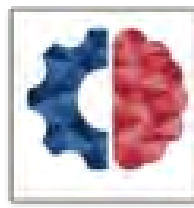
Founder and CEO ,ESANOSYS

Specialist in Digital marketing , Sales automation and Marketing automation

The speaker presented about the following topics :-

- 1.What is a start-up?
2. Life in a start-up.
3. How to join a Start-up ?
4. Explained what would be the growth journey of Start-up.
5. Difference between Startup v\s Mature Company.
6. Difference between Startup v\s Corporate work Culture.
7. How to start the Start up journey ?

❖ Two Start up motivational videos were played.



Finally, there was a FAQ session where the speaker answered all the queries of students and teachers alike.

Poster created by student coordinators for the event :-

IIC BMSCE PRESENTS

MY STORY:
Motivational Session by Successful Entrepreneur
11th Dec. 2020 6 PM

A Webinar on Topic:
Life in a StartUp. How can you join a StartUp?

STARTUP

SOURABH MATHUR
FOUNDER & CEO, ESANOSYS

REGISTER NOW!
Participants get E-Certificates

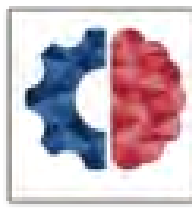
Platform: **GOOGLE MEET**

Student Activity Coordinator	IIC PRESIDENT	Student IIC Coordinator
Dr. Kavitha Sooda	Dr. Suma M N	Dheeraj R

For further details,
Contact- Hrithik: 9739814409

RECORDING OF THE WEBINAR -

<https://drive.google.com/file/d/1zedJyNHQ1O5IXogq25UcDUiTPC3557yH/view?usp=sharing>



❖ Some Screenshots of the Event :-

REC Sourabh Mathur is presenting

What is a Startup?

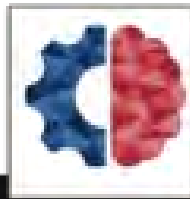
Meeting details

People (54)

- Sanjay Sanjay
- Sathish Kumar T N
- Shashank T K
- SHRIDHAR S
- Shrikath B
- Shruthi Munukutta
- Shubham Sharan
- Sourabh Mathur
- Sourabh Mathur Presentation
- Sourabh Mathur
- Sudhir Yadav
- Suma M N
- Thejas N Kanakuppe
- Vansh Krishan Parihar
- Yaseen Mohammed ma...
- Yuvaraj Badiger

Chat

Participants: You, Bhoomija Ga..., Amith Jadhav, Gagan HV, Pratik Agarwal, RATHNAKAR ..., Parth Srivast..., Laxman Singh, Sourabh Mat...



Mathur is presenting

It gets much harder to do things that might not work out.

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Meeting details

People (55) Chat

Add people

RAISED HANDS

Suma M N

IN CALL

Swathi G Patel (You)

Aashi D Parekh

Abhishek Kishanlal Bag...

Akshay S Prasad

Aman Poddar

Amith Jadhav

Ananya Hebbar

Ananya Markande

Anirudh T Gudli

Anup Kumar Pal

Arun Kumar

AX PETER

Meeting details

REC

Sourabh Mathur is presenting

Meeting details

People (56) Chat

Add people

IN CALL

Swathi G Patel (You)

Aaryarohit Neskur

Aashi D Parekh

Aman Poddar

Amith Jadhav

Ananya Hebbar

Anirudh T Gudli

Anup Kumar Pal

Arun Kumar

Aryan Kumar

AX PETER

Bhoomija Ganesh Bhat

Boonesh K B

Chandan Chandra

REC

Sourabh Mathur is presenting

Startup vs. Mature Company (Pre-IPO/Public)

- Broad scope/variety of work
- Scrappiness with little cash
- Small team/solo work
- Limited mentorship
- Limited structure/best practices
- Ambiguity and frequent course corrections
- Mixed bag of investors/board
- Limited benefits & salary
- More equity, but value unknown
- Unstable
- Unknown Brand

- Best practice/mentorship/role models
- Clear direction/roadmap
- Exposure to success at scale
- Narrow scope of the role
- May move slower
- Less contemporary processes/tools
- Multi-functional teams
- Mature investors/board
- Great benefits & salary
- Limited equity, but may have real value
- Sales traction and product market fit (PMF)
- Brand name

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Meeting details

REC

Sourabh Mathur is presenting

Meeting details

People (56) Chat

Add people

IN CALL

Swathi G Patel (You)

Aaryarohit Neskur

Aashi D Parekh

Aman Poddar

Amith Jadhav

Ananya Hebbar

Anirudh T Gudli

Anup Kumar Pal

Arun Kumar

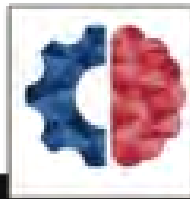
Aryan Kumar

AX PETER

Bhoomija Ganesh Bhat

Boonesh K B

Chandan Chandra



lathur is presenting

The Growth Journey

Growth Phase	SURVIVAL	TEAMWORK	ALIGNMENT	PREDICTABLE OPERATIONS
Value	Inventioneering	Product and Business Model Fit	Small Large Company	Large Small Company
Primary Tasks	Product-market fit Set foundation for culture Fail fast and adjust	Sales rhythm Customer success Team-building	Specialization and coordination Process refinement Expanding strategic scope Topgrading team	Meet and task priority Upgrading IT systems Expansion/consolidation (build vs. buy) Decoding objectives Consistent corporate values

Meeting details

- People (58)
- Chat
- Sagar Patel
- Sakshi Patel
- Sanjay Sanjay
- Sathish Kumar T N
- shreyas patil
- SHRIDHAR S
- Shrikath B
- Shruthi Murukutla
- Shubham Sharan
- skanda h
- Sourabh Mathur
- Sourabh Mathur Presentation
- Sourabh Mathur
- Sudhir Yadav
- Suma M N
- Tanmay M Shegade

(373) WhatsApp x Meet - Life in a Startup. How... x Decibels Lab x +

meet.google.com/qto-euui-seb?pli=1&authuser=1

REC

Kusum M R and 17 more

45 6:03 PM

Swathi G Patel has left the meeting

Activate Windows
Go to Settings to activate Windows.

Search the web and Windows

18:03 11-12-2020



K-tech Innovation Hub IAMAI-Mobile10X and BMSCE IIC session on Journey of Entrepreneurship.

Event Name:	Journey of Entrepreneurship: Session with students of BMS College of Engineering
Speaker(s) Details:	Ms. Rachana Thamankar, Founder and CEO, Clymbe
Date:	31st May 2021
Venue:	Virtual
Duration of Event:	1 Hr
No. of Participants:	58

Journey of Entrepreneurship: Session with students of BMS College of Engineering

Event Agenda:

To support student entrepreneurs at higher educational institutions.

Event Overview:

Rachana is the Founder and CEO of Clymbe. India's first 'liberal edtech' startup. Rachana is an engineer by training and a



teacher by passion. She has Bachelor of Engineering in Biotechnology, and has also completed an executive MBA joint program from Grenoble & University of London, majoring in Project Management & Corporate Finance.

Event Outcome:

Students were given insights on entrepreneurial mindset, idea selection, importance of execution, product-market fit and do's & don'ts about raising investment.

Role of Startup Karnataka:

Overall guidance and support.

IAMAI Mobile 10X is the largest capacity building and ecosystem enabling programme for Emerging-Tech startups in the country. It has its incubation centers at Bangalore, Cochin, Gurgaon and Raipur. It has incubated over 175 start-ups. Its start-ups have done numerous outstanding achievements such as generating a combined revenue of above 37 Cr, generated employment of

Photograph 2



Photograph 1



around 550+, and achieved App



downloads of over 5 Million and have raised investments of around 30 Cr till now since the last 5 years.

Report by

Swathi G Patel{1BM18EI055}

Participant List/Registrant List

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24	Niharika Kanshal	Yes	niharika.im20@bmsce.ac.in	6363897110
25	Bipul kumar singh	Yes	Bipulkumar.ec19@bmsce.ac.in	8864087237
26	Skanda S	Yes	skanda.me20@bmsce.ac.in	9482465298
27	Pallavi Acharya	Yes	pallavi.cv20@bmsce.ac.in	9149688465
28	Payal karakoti	Yes	Payal.ei20@bmsce.ac.in	7717497545
29	Aman Awasthi	Yes	Amanawasthi.cv20@bmsce.ac.in	9.16E+11
30	Syed Saqalain Quadri	Yes	syed.bt19@bmsce.ac.in	9740230193
31	Sumukh S	Yes	sumukh.ec19@bmsce.ac.in	9353727474
32	Ankitha S	Yes	ankitha.ec20@bmsce.ac.in	8971809700
33	Arun Kumar M	Yes	arunkumarm.se19@bmsce.ac.in	
34	sandesh belkud	Yes	sandesh.me18@bmsce.ac.in	9108374466

35	Santoo KR Gupta	Yes	santookumar.me19@bmsce.ac.in	9065410894
36	Manas Upadhyaya	Yes	manas.te20@bmsce.ac.in	6388429133
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41	tejaswini v jatti	Yes	tejaswiniv.bt19@bmsce.ac.in	9916551604
42	Zakir altaf pir	Yes	zakirpir.se18@bmsce.ac.in	7889776861
43	Gaurav I	Yes	gaurav.cv18@bmsce.ac.in	9206305182
44	tejaswini v jatti	Yes	tejaswiniv.bt19@bmsce.ac.in	9916551604
45	Mahima M.P	Yes	mahima.te18@bmsce.ac.in	8296596444
46	Pallavi G A	Yes	pallavi.bt18@bmsce.ac.in	9916739939
47	Shashank H K	Yes	shashank.me18@bmsce.ac.in	8197572118

48	Pratik Agarwal	Yes	pratikagarwal.me19@bmsce.ac.in	7050541423
49	VIGNESH K S	Yes	vigneshks.me19@bmsce.ac.in	9353924958
50	Mamataashree	Yes	mamataashree.ec20@bmsce.ac.in	7676425518
51	Durga Arpitha P	Yes	durgap.ec19@bmsce.ac.in	9663433311
52	Bhojraj Anand Kumbar	Yes	bhojraj.me19@bmsce.ac.in	7338126901
53	RAJAT GUPTA	Yes	rajat.gupta.9793@gmail.com	9559510101
54	KUSHAL KUMAR POTTA	Yes	Pottakushal201202@gmail.com	9482658046
55	Amogh Sanjay	Yes	amoghsanjay.me19@bmsce.ac.in	9483221040
56	ASHISH KUMAR SINHA	Yes	ashishsinha.me19@bmsce.ac.in	6206544119
57	Adith R M	Yes	adithrm.me19@bmsce.ac.in	9380352475
58	gaurav v	Yes	gauravv.is20@bmsce.ac.in	9902537213
59	Swathi	Yes	swathing.ei18@bmsce.ac.in	7022458939

IIC BMSCE in association with DEPARTMENT of ECE and CSE
presents

Orientation Session on National Education Policy

9th Dec. 2020 6 PM

A Webinar on Topic:
NEP 2020 - Overview and Oppprtunities

New Education Policy 2020

GAJANAN LONDHE

Executive Director, Samvit Research Foundation
Head of Strategy and Transformation at Nokia, Bangalore



[Register Here](#)

Platform: GOOGLE MEET
Participants get E-Certificates

Student Activity Coordinator

IIC PRESIDENT

Student IIC Coordinator



Certificate of Participation

THIS CERTIFICATE IS PROUDLY PRESENTED TO

for actively participating in "Orientation session on National Education Policy" webinar by Gajanan Lodhe held by IIC BMSCE on 9th December, 2020

DR. SUMA M N
IIC President

DR. KAVITHA SOODA
Student Activity Coordinator

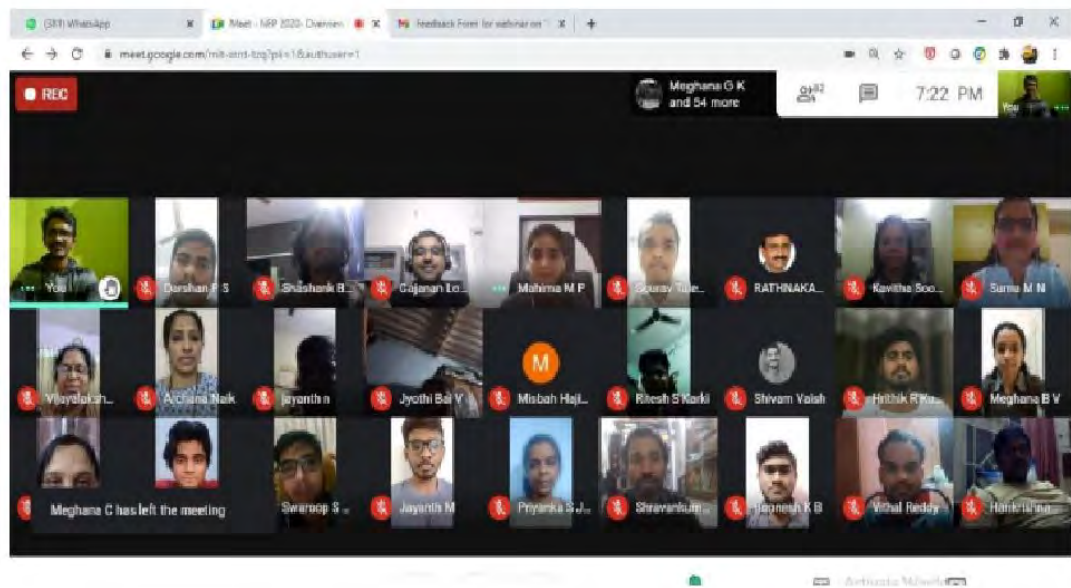
REGISTRATIONS

12-6-2020 14:30:34	mahima.te18@bmsce.ac.in	Mahima M.P	1BM18TE027
12-6-2020 14:32:44	aman.ec19@bmsce.ac.in	Aman Poddar	1BM19EC010
12-6-2020 14:43:18	dheerajrajeshtinku@gmail.com	Dheeraj R	1BM18ME043
12-7-2020 15:47:06	suma.ece@bmsce.ac.in	M N SUMA	
12-7-2020 16:19:08	bkanmani.tce@bmsce.ac.in	Kanmani Buddhi	1BM19TE007
12-7-2020 16:24:11	souravt.is18@bmsce.ac.in	Sourav taleda	1BM18is108
12-7-2020 16:24:44	saipranith.cv18@bmsce.ac.in	Sai Pranith D R	1BM18CV040
12-7-2020 16:28:08	gudechaitra.ec18@bmsce.ac.in	Gude Chaitra	1BM18EC056
12-7-2020 16:29:02	nandinim.bt19@bmsce.ac.in	Nandini M Naik	1BM19BT028
12-7-2020 16:29:07	sanathn.ec19@bmsce.ac.in	Sanath N U	1BM19EC139
12-7-2020 16:31:28	meghana.te18@bmsce.ac.in	Meghana Reddy	1BM18TE028
12-7-2020 16:37:41	shashanktk.me19@bmsce.ac.in	Shashank t k	1BM19ME145
12-7-2020 16:39:39	kirann.ec19@bmsce.ac.in	Kiran N	1BM19EC406
12-7-2020 16:43:14	rahulr.me18@bmsce.ac.in	Rahul	1BM18ME111
12-7-2020 16:43:30	shreyam.ec19@bmsce.ac.in	shreya gupta	1BM19EC156
12-7-2020 16:43:31	sandesh.me18@bmsce.ac.in	Sandesh	1BM18ME134
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12-7-2020 16:49:56	yashasgb.ec19@bmsce.ac.in	Yashas kumar G B	1BM19ec185
12-7-2020 16:51:51	booneshkb.cv19@bmsce.ac.in	BOONESH K B	1BM19CV031
12-7-2020 16:53:14	dchanchinal1996@gmail.com	Durundeshwar C H	1BM15CS012
12-7-2020 17:01:21	shashankbhat.ec19@bmsce.ac.in	Shashank Bhat	1BM19EC150
12-7-2020 17:03:44	srijani.ec19@bmsce.ac.in	Srijani Ghosh	1BM19EC205
12-7-2020 17:11:48	amithk.me18@bmsce.ac.in	Amith Kini	1BM18ME013
12-7-2020 17:18:59	siddharth.ec18@bmsce.ac.in	Siddharth Anvekar	1BM18EC144
12-7-2020 17:23:54	rammanas.bt19@bmsce.ac.in	Ram Manas N	1BM19BT037
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12-7-2020 17:27:45	nandhinim.bt19@bmsce.ac.in	Nandhini M	1BM19BT027
12-7-2020 17:31:15	bhushanu.ec18@bmsce.ac.in	Bhushan Avalakki	1BM18EC027
12-7-2020 17:32:10	siddanagouda.ec18@bmsce.ac.in	Siddanagouda M Patil	
12-7-2020 17:37:12	aaryarohit.ee19@bmsce.ac.in	Aaryarohit Naskar	1BM19EE003
12-7-2020 17:43:55	pragna.ei18@bmsce.ac.in	Pragna B	1BM18EI012
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REPORT



In association

with CSE AND ECE DEPARTMENT

NEW EDUCATION POLICY Report

9/12/2020 | 6:00 pm | Online meet

Report By – Varsha.S

Organized by IIC BMSCE and BMSCE IEEE.

Total registration - 165 approx..

Attendees - 110

Attended By –

MR.GAJANAN LONDHE (Speaker)

Dr. Leena S Guruprasad(Moderator),

Dr. M N Suma (President IIC),

Dr. Kavitha sooda(Student activity coordinator),

Dr. Abhishek Appaji (StartUp activity coordinator), students and student coordinators.

Moderator (student coordinator)-Mahima MP

Speaker – MR GAJANAN LONDHE

About the speaker : -

Executive Director , Samvit Research Foundation

Head of Strategy and Transformation at Nokia, Bangalore

The speaker talked about –

- 1) Changes in the education policy
- 2) Higher education
- 3) Liberal education
- 4) Focus on education in early 20th century and after independence
- 5) Patenting of our innovation and product
- 6) National research foundation scheme
- 7) First education policy rules
- 8) Choosing streams for higher education on basis of student's interests
- 9) Choosing languages in high primary
- 10) Benefits of new education policy
- 11) Importance of sports and physical education

Finally, there was a FAQ session where the speaker answered all the queries of students and teachers alike.



In association

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Poster created by student coordinators for the event

The poster is for a webinar titled 'New Education Policy 2020'. It is presented by IIC BMSCE in association with the DEPARTMENT of ECE and CSE. The event is an Orientation Session on National Education Policy, focusing on Innovation and Entrepreneurship, scheduled for 9th Dec. 2020 at 6 PM. The webinar topic is 'NEP 2020 - Overview and Opportunities'. The guest speaker is Gajanan Londhe, Executive Director of Samvit Research Foundation and Head of Strategy and Transformation at Nokia, Bangalore. The poster also lists the organizers: Student Activity Coordinator Dr. Kavitha Sooda, IIC PRESIDENT Dr. Suma M N, and Student IIC Coordinator Dheeraj R. The platform is Google Meet, and participants will receive E-Certificates. A QR code is provided for registration, and contact details for Mahima (8296596444) are listed for further information.

IIC BMSCE in association with DEPARTMENT of ECE and CSE presents

Orientation Session on National Education Policy
(with a focus on Innovation and Entrepreneurship)

9th Dec. 2020 6 PM

A Webinar on Topic:
NEP 2020 - Overview and Opportunities

New Education Policy 2020

GAJANAN LONDHE
Executive Director, Samvit Research Foundation
Head of Strategy and Transformation at Nokia, Bangalore

REGISTER NOW!
Participants get E-Certificates

Platform: **GOOGLE MEET**

Student Activity Coordinator | **IIC PRESIDENT** | Student IIC Coordinator
Dr. Kavitha Sooda | Dr. Suma M N | Dheeraj R

For further details,
Contact- Mahima: 8296596444

Some Screenshots of the Event –

meet.google.com/mit-xrmt-tzq?pli=1&authuser=1

REC Gajanan Londhe is presenting Shreya L and 76 more 6:12 PM You

Background

- ❖ Changes in Education policies in 19th century and its impact
 - ❖ Elitists English education for few
 - ❖ Funds for English schools & closing of local school
 - ❖ Literacy rate fell down drastically
- ❖ Focus on education in early 20th century and immediately after independence
 - ❖ Early education & Setting up of higher education institutes
 - ❖ Early 60s focus of planning commission on secondary education
- ❖ First Education Policy 1968: Radical restructuring
 - ❖ Compulsory education up to age 14
 - ❖ Focus on Economic development, National & cultural integration: 3
 - ❖ Language Policy and encouragement for teaching of Sanskrit

Samvit
Integrating Knowledge for Purposeful Education

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18:12 09-12-2020

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REC Gajanan Londhe is presenting Shashank Bhat and 84 more 6:32 PM You

Overview higher Education Education

- ❖ Higher education must develop well rounded and creative individuals with intellectual curiosity, spirit of service and strong ethical compass
- ❖ All higher education will happen in multi-disciplinary institutions with teaching programs across disciplines to ensure optimized resources, integration across disciplines and vibrant large education communities
- ❖ A liberal arts education as so beautifully described and practiced in India's past, enables one to truly develop both sides of the brain – the creative and the analytical

Samvit
Integrating Knowledge for Purposeful Education

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18:32 09-12-2020

REC



Gajanan Londhe is presenting



Nandini M Naik
and 94 more



You

Liberal Education

- ❖ Flexibility in choosing the subjects across streams, breaking the Silos
- ❖ Focus on balanced development of brain
- ❖ Preparing for life long education, beyond first job
- ❖ Combining STEP education with Humanities, Vocation and inter-disciplinary research
- ❖ Connecting with the society and our roots, applying education to solve local problems
- ❖ Common core curriculum shall aim to develop broad capabilities, this will be accompanied by rigorous specialization in chosen field to develop deeper expertise in one or more subjects



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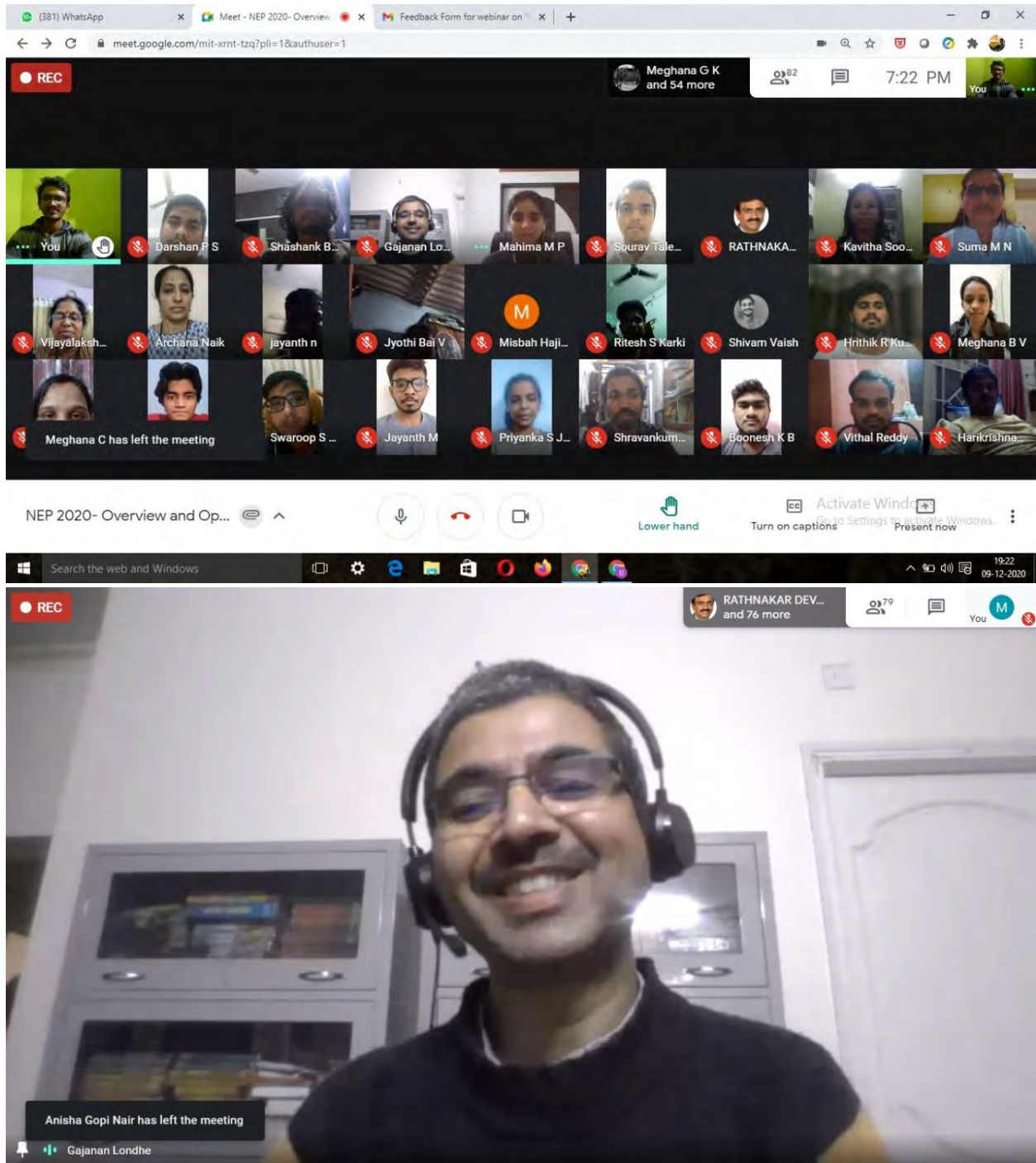
You



Gajanan Londhe



LAKSHMI K P



LINK FOR THE WEBINAR

https://drive.google.com/open?id=1qw9WC_mdMSyHasXhNc0duhUwtRhOez_Y



Activity Name: Interactive session with successful startup founders - Panel discussion on "Successful Entrepreneurs: Challenges and Opportunities".

Speakers: Mr. Rohan Joshi, CEO of Wolken Software Pvt Ltd; Shreekrishna N M, Proprietor of Sri Raghavendra Transformers; Dr. Rupesh S Iyengar, Director of Services Consultants ;Mr. Sujay Kumar C, CEO of Sri Saraswati Organics and Mr.Dhanush CEO of Cater Smart

Moderator: Dr. K P Lakshmi, Student Activity Coordinator of BMSCE IIC

Date: 1st May 2020, at 11 AM.

No.of Participants attended: 100

Poster of the event :



The session began with a welcome speech delivered by Ranjini Ravi Iyer, Student volunteer followed by an address to the panel by Prof.Sanjana, the Student Activity Coordinator of BMSCE IIC who welcomed the speakers and gave the briefing for the session, it was then followed by a brief description of the speakers and their respective start-up companies.

Mr. Rohan Joshi spoke about the economical change in the past two decades and the increase in opportunities that the present day offers. **Mr. N. M Shreekrishna** spoke about his journey as an entrepreneur coming from a Coffee planter family to how he got into the transformer industry when the

economic situation was not in their favor and how the company sustained the changes and managed to grow by diversifying their products. The next speaker,

Mr. Rupesh Iyengar spoke about his fond memory of his fellow students evaluating and presenting their ideas and the atmosphere around placements which led him to enter the entrepreneurial field by starting a firm with barely 2 years of experience. **Mr. Sujay Kumar** told us about his journey of how he started with a small part time ragi malt company which was fueled by his mother's ragi malt and on advice soon quit his job and expanded it into a broader millet processing company.

Mr. Dhanush Ravat, the youngest in the panel spoke about the potential in markets and how he set out looking for opportunities to introduce technology to an existing market.

Dr. K P Lakshmi, Student Activity Counsellor of BMSCE IIC then began the panel discussion by stating the detailed guidelines for the session. Four, layered topics ranging from the characteristic qualities of entrepreneurs to sourcing financial assistance, navigating the process of risk taking, to analyzing the company's statistics and objectives were asked and each panelist would have to answer the question within a time limit of 4 minutes each.

The session began with questions that explored topics such as the traits and the characteristic qualities of an entrepreneur and the process of evaluating an idea or product while discussing how much our roots play a role and the right age to set out on an entrepreneurial dream.

The panel discussion began with Mr. Rohan Joshi who denied that the name of the college is very important and said that the students' fundamentals, subject clarity and application of the knowledge collected is what makes a difference. He then spoke of his role models BV Jagdish, KV Chandrashekar and Desh Deshpande, particularly discussing Mr. Deshpande who by pooling in some money and bringing together talented engineers zeroed in and grew dubballi, a rural area and started the Deshpande foundation which addresses the base of the pyramid problems. Mr. Joshi also said that he doesn't believe that age is a barrier and spoke of the enthusiasm and excitement it brings him today at 51 years old, after 27 years in the industry, starting out as a junior R&D employee to being a president of a company and working for his own objectives. He advised the budding entrepreneurs to not be afraid of failure but one must ensure that they fail for different reasons.

The next speaker, Mr. N M Shreekrishna spoke of how though he came from an Electrical engineering background he still didn't know much of transformers yet ventured out into the field as he saw a scope in the market. He told the students that one must have enthusiasm and good endurance to survive and struggle in the market. He also believes that education does not limit opportunities and is not the only factor that plays a role in entrepreneurship and encourages students to focus on the practicality and a realistic approach to their products and evaluation to achieve success.

Mr. Rupesh Iyengar stressed on the importance of backing oneself in terms of finance and ideas for the company and advised them to focus more on the idea and concept developed. He noticed that students in the south usually have billions of ideas when they are completing engineering but fail to go through with them as they are drawn towards the idea of getting a job with a fixed amount in salary, but in north there exists an openness to explore and take risks. However, the situation is changing now with Bangalore being quite the hub of entrepreneurship and there is a definite change in mindset within students. He

motivated students to bring India to the forefront and encouraged them to just try and give their dreams a shot with utmost hard work and passion.

Mr. Sujay Kumar spoke of his unique vitamin concept for entrepreneurs. He says that Vitamin-M, Money, is not important but the Vitamins - F , L and G which is Faith ,Love and Grace is what makes the difference.Mr. Kumar highlighted the importance of an encouraging peer group and the collective influence it plays. He spoke of how he first started out with just Rs.100/- and borrowed Rs.30000/- and now his company has grown so much more. He believes that with faith in one's idea, love and affection and a multiple skill, one will be able to achieve anything.

The next speaker, Mr. Dhanush Ravath addressing the value of roots said that only while approaching investors in the initial stages college names might play a role, but regardless of it any idea that solves a problem in the society or adds value to the market will always be appreciated. He believes that a strong idea is one that solves problems and addresses the customers' needs most efficiently. He stressed on the importance of having a good team and building a team with different skill sets, a team with diverse complementing skills. Sharing lessons from his journey he says that starting is always a risk but one must be open to the process of learning and failing and getting up.

The next set of topics discussed were focused on financing and comprehending the company's statistics and product value ,to the right time to change the direction of the company and dealing with failures.

Mr.Rohan Joshi began the discussion by saying that he couldn't possibly count the number of mistakes he made during his journey. But told the students that with each failure he only kept growing. He spoke of his entrepreneurial journey where he started out with a company which could be described as a Technical quora- which solved technical problems for clients and customers and changed over time along with the shift in market scopes.He advised the young entrepreneurs to not seek revenue at the early stages as this would involve basic contract problems as the product of the company would then be shared and hence there would not be sole control over the product ,creating dissatisfaction and confusion in most cases. Regarding when to change the direction of the company he suggested that the students give their ideas 18 to 36 months to observe the product and its growth before making a decision.

Mr.Shreekrishna said that one must have done thorough background work and should know the product-life and its sustenance in the society and the market and his reasons for starting out in the transformer industry was because transformers are an evergreen necessity. He alarmed the students saying that changing products is not easy and must be done only after a lot of research and contemplation.

Mr.Rupesh added by saying that the first year goes quick and is a time for entrepreneurs to feel the market, observe the industry and understand its working. He suggested that 2 to 2 and a half years of hard work while the company is in its initial stages during the first one to two projects is very critical and only after that may the company make reviews and new decisions.

Mr. Sujay Kumar and Mr. Dhanush explained the factor of flexibility of the company and the importance of being vigilant to the changes in the market while having faith and undoubted belief in one's idea while starting out.

With the panel discussion complete, the program proceeded to a Question and Answer session where the students' questions were to be addressed by the panelists.

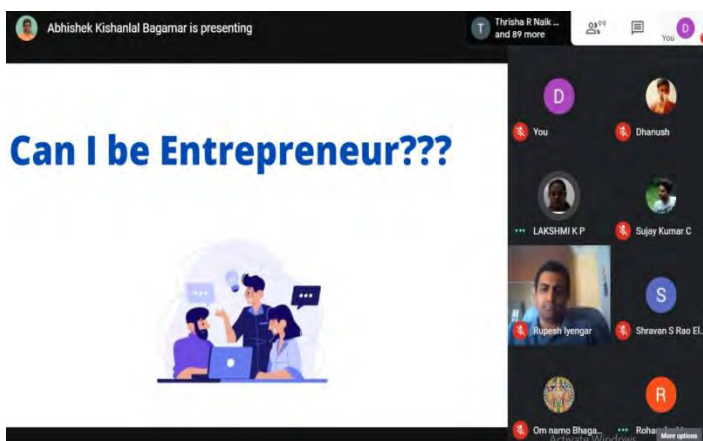
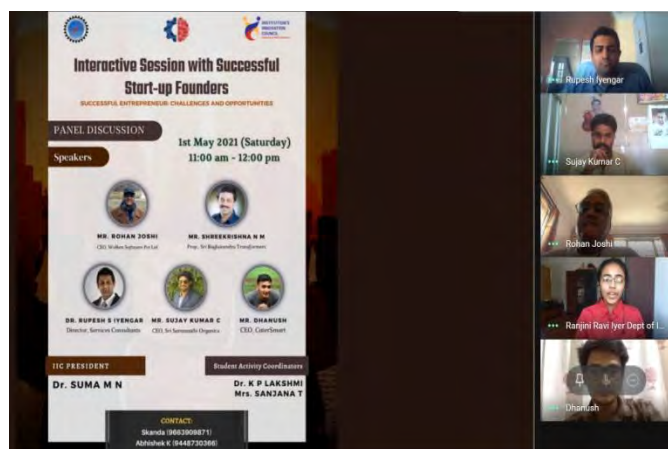
Students raised multiple questions regarding Finance and management for which the panelists replied by saying that they should not rely entirely on banks but to try sourcing money through managing the annual sales revenue repeatedly in the initial stages.

The speakers advised the students to go for funding after they already have a decent annual run rate and stressed on the fact that each company is valued differently depending on the market. While most of the speakers' companies were bootstrapped and financed by collective team investments they suggested that the students research and try funding from places like the India Angels network, Accelerators and Y combinatory.

The next set of questions raised by the students were regarding the primary steps in starting a company, means of reaching out for expansion and dealing with competitors in the market. Addressing these questions the speakers said that primarily one must focus on the market and the industry necessities through market surveying and prototyping. They advised not to focus on the background work too much but jump into the field with passion and determination. They continued by saying that competitors don't matter. Industries are a replaceable market. They warned the young minds to make sure that there are competitors and to never go solely, as there is always a reason for why not many have ventured the route. They also advised working with multiple people as it gives different perceptions and hence they can evaluate better. The speakers also suggested that entrepreneurs must utilize technology for expansion and outreach while also attending conferences as networking in conferences opens a wide range of accessibility to multiple potential investors, companies and industry associations.

The program came to an end with the vote of thanks delivered by Professor Sanjana, the Student Activity Counsellor of the Institute Innovation Council followed by a few words from Professor Suma M. N, IIC president. With active student participation the event resulted in a huge success with students early waiting another session soon. In conclusion, the event was interactive, engaging and a great learning step, assisting the young entrepreneurs move one step closer to their dream!

Snapshots from the event:





Report by:

Ranjini Ravi Iyer
Student Volunteer



Report

Webinar on Product Design for Young Entrepreneurs

Activity Name: Workshop on Business Model Canvas

Speaker: Prasanna Banavara, Technical Program Manager Intel Tech, India Pvt Ltd

Date: 21st May 2021 at 6pm

No. of Participants Registered: 250+

Feedback Respondents : 47

Mode of activity: Online

Duration : 2 hours

Poster of the event:

IIC BMSCE in association with MEA presents

WEBINAR ON PRODUCT DESIGN INSIGHTS FOR YOUTH ENTREPRENEURS

Speaker details

PRASANNA BANAVARA
Technical Program Manager
Intel Tech, India Pvt Ltd

21st May 2021
6-7:30 pm

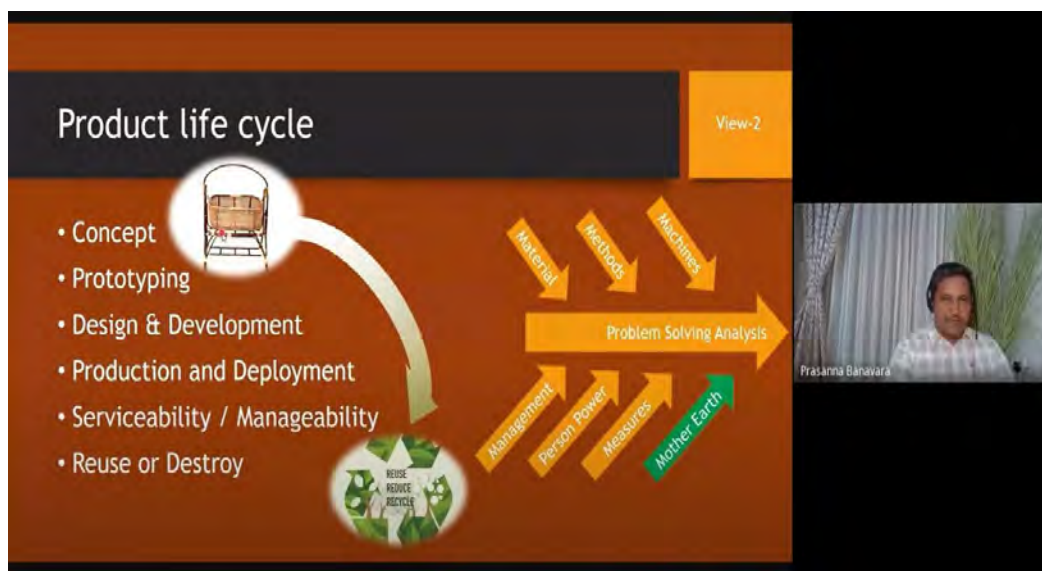
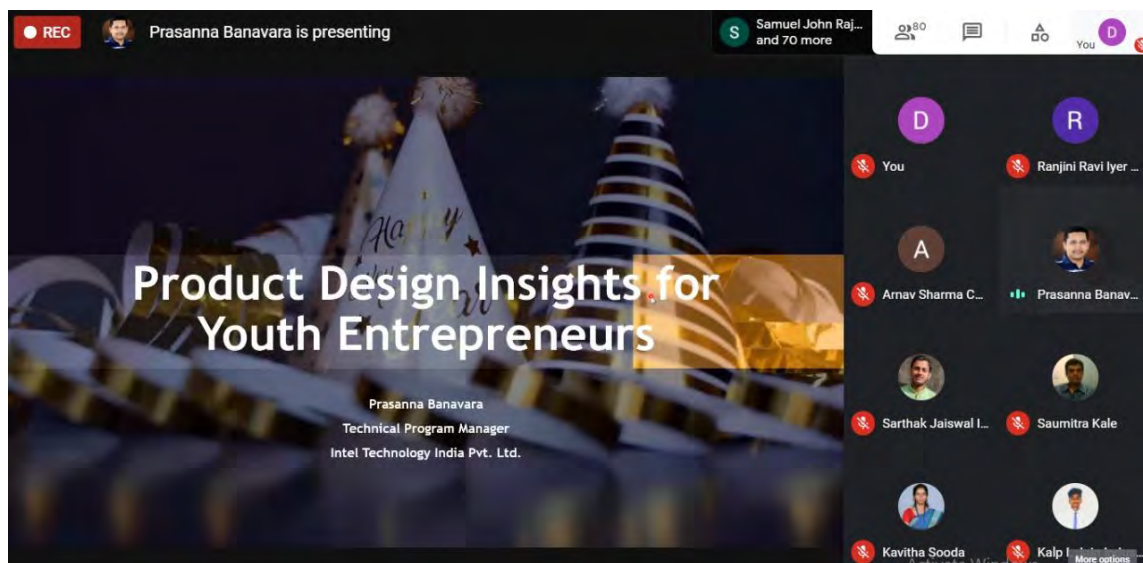
[REGISTER NOW](#)

IIC BMSCE President: Dr. SUMA M N | MEA Coordinator: Prof. MADHAV MURTHY | Student Activity Coordinator: Dr. KAVITHA SOODA

Ranjini: 9902888866 | Kalp: 7060680819

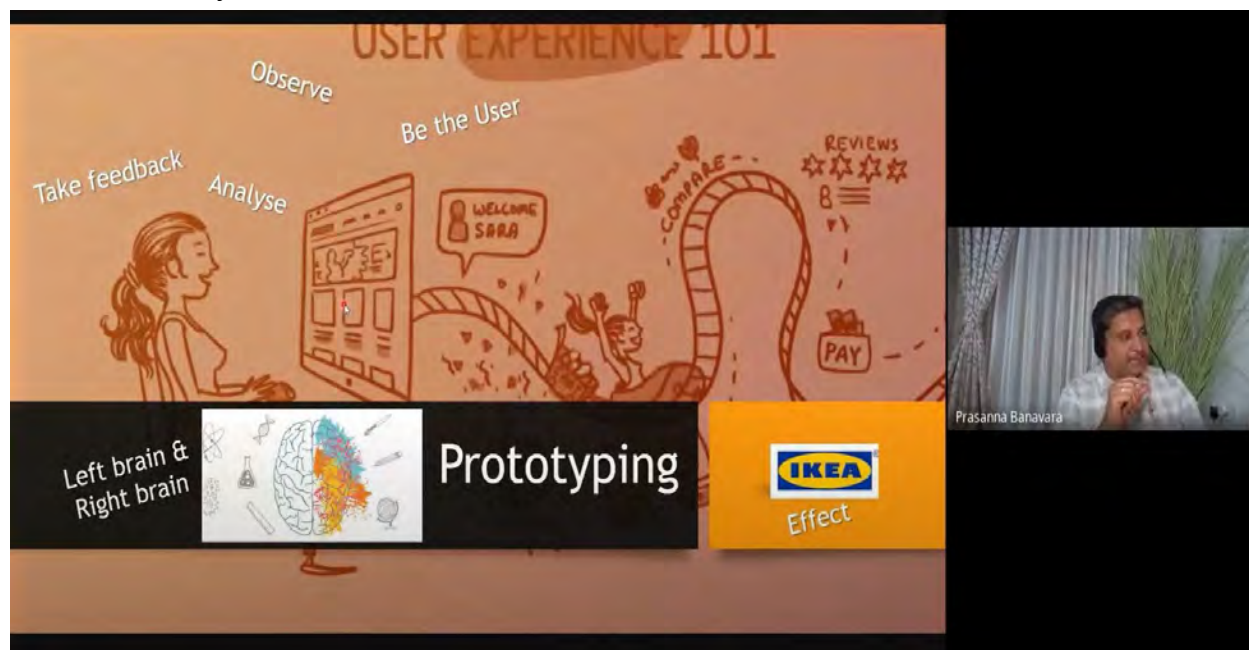


- The session began with a warm welcome speech by Ranjini Ravi Iyer, event coordinator, BMSCE IIC. Mr. Saumitra Kale, Director at Cisco, India, gave a brief introduction about their organisation to the gathering and how they help students connect and interact with industry experts. The session then proceeded to the webinar.





- The speaker of the day Mr. Prasanna Banavara began the session by highlighting the importance and scope of product design and its ever rising need in all industries. Product designing is one of the fundamentally important aspects of entrepreneurship that cannot be overlooked.
- Good designs offer clarity and express the product's function or service more effectively and hence plays a very critical role.
- The speaker then began to elaborate and discuss the concepts that constitute the Product Life cycle where he suggested that while developing a product, one must keep a keen eye to the market and the product's relativity and application each day.



The speaker Mr. Prasanna Banavara stressed on the importance of the learning and highlighted the positive experiences and growth that comes with exploration. The speaker brought to the student's notice the difference and growth in those who address every problem with a new creative approach and those who don't.

The session then proceeded to discuss the Importance of Data Science and the BDR system of product design: Breakdown and Reorder. The speaker also discussed the concept of 'Unit testing: Verification and Validation of the Product made. Under this section the speaker stressed on the importance of being realistic and honest while



eva e's product and its services while also highlighting the imp validation via customer feedback.



The session then moved to the topic of design for testability and manufacturability where the speaker discussed in detail the concepts of error detection, error correction, error prevention and error prediction. The speaker suggested that a wise method of arriving at a solution would be by breaking complex problems into smaller parts and

integrate them after addressing each problem at a time. The session also covered in depth the topics of content protection and security, remote testability, company service and management and lastly, waste management. Throughout the session the speaker drew from his experiences and observations and provided active solutions for the students to better understand the concepts.



The session then proceeded to an interactive question and answer session, and ended with the vote of thanks delivered by Kalp L Jain, student coordinator of BMSCE IIC.



- In conclusion, the webinar discussed in detail the overall structure of product development and management and all the important aspects of this domain. The event went smoothly and had active participation from all attendees. As a result the event was a huge success.

Feedback response list of participants :

<https://docs.google.com/spreadsheets/d/1-OlvsOJzdwF-w0FfggMH6G2n20gusxgTW26dw0vi5il/edit?usp=sharing>



EVENT : Workshop on “Validating your Web Startup Idea”

Event dates : 3,5,7,9th of April 2020

Total Duration : 4 hours

Instructor : Mr.Nitish Manoharan, BMSCE alum, USC alum, 2x Founder.

Mode : Online Workshop

Total participants Registered : 58

BMSCE IIC , BMSCE Startup Cell collaborated with Ivy Club to organize workshops for students interested in innovation and entrepreneurship.

This Workshop marked the beginning of the collaboration.

Validating your Innovative Startup Idea :

Do you have an idea for an online startup? Not sure how to get started? Join us for this workshop where we will refine your idea, validate them, and put together a quick MVP.

Learning Plan for Workshop is as follows:

This workshop will have 4 sessions. Each session will be 1 hour and it happened over Zoom meet. Here is the plan:

Session 1: Idea brainstorm

Session 2: Market research and survey

Session 3: Plan MVP

Session 4: Build MVP

Workshop Outcomes: 4 ideas by 4 different teams were generated and validated
App for better health services , Website for book writers and readers, Website for gadget reviews,
Website to find people who have similar interests.

Brief Summary of all the sessions :

Session 1 :

Idea brainstorming was done. Those who had an idea of a web start-up were asked to speak about it and share it with everyone present. Participants were asked to conduct a self evaluation process on our idea where they ask questions themselves like what problem our idea is solving, whether the solution is feasible or not, who the target audience is, who are the competitors and how are we going to earn from it.

Session 2 :

Students were split into breakout rooms where each team was asked to choose an idea and go through the self evaluation questions. Later they were guided on how they could conduct a survey for their product to check whether the people are interested in it or not and take suggestions from them before adding or deleting certain features.

Session 3 :

The survey results of each team were analysed and discussed and suggestions were incorporated by each team. Students were also taught on how they could build a fakedoor(MVP) for their website or app to test the actual number of people who would finally end up using the product which most of the students think it was very new, innovative and definitely an effective way to judge the success of a product even before investing a lot of money on it.

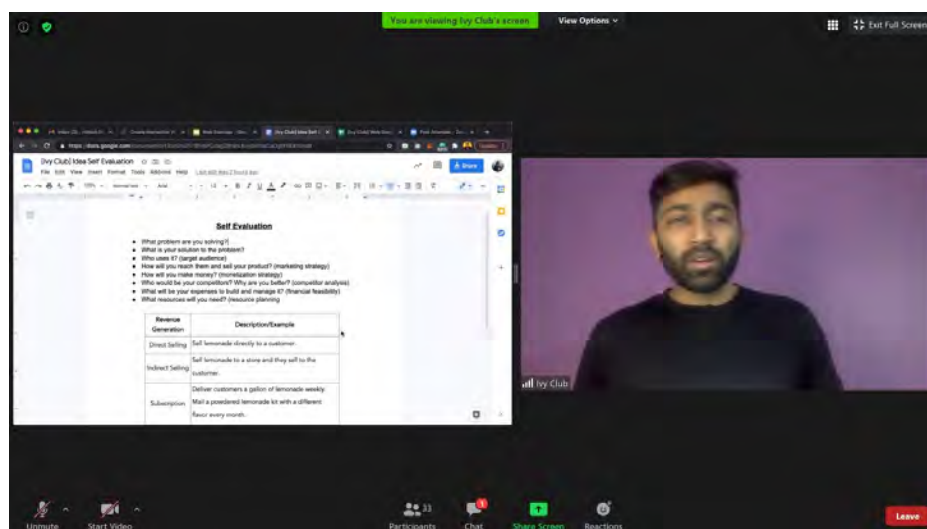
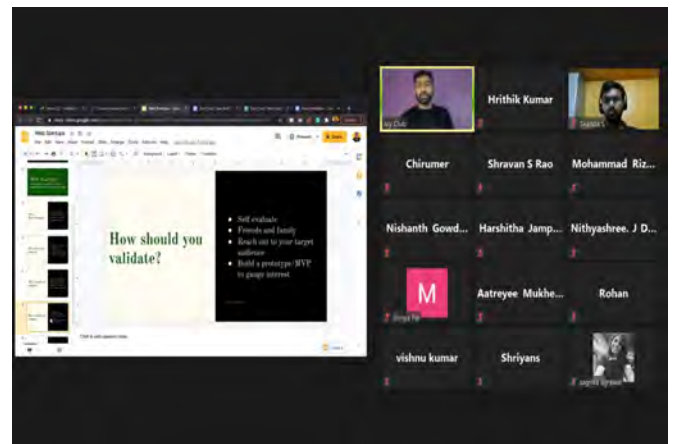
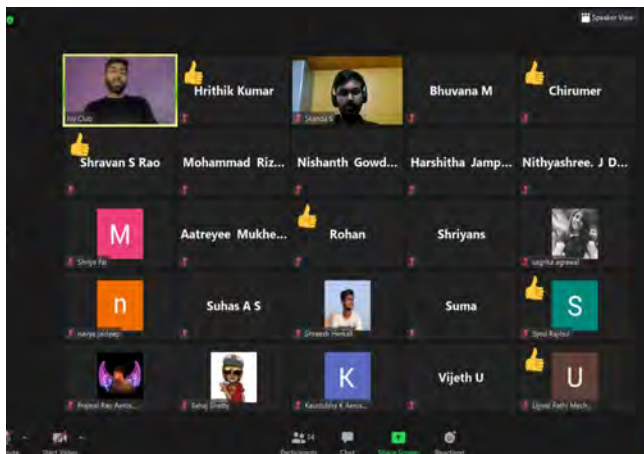
Session 4 :

Each team presented the idea of how their fakedoor would look like and how eventually they would react to the response they get by conducting this test. Further different, free as well as very cost effective tools were given hint of by which they could create a website including a fakedoor were introduced and the workshop was concluded with an assurance that students were free to consult any doubts regarding the startup in the future.

Poster :



Few pictures/screenshots of the event :



WORLD INTELLECTUAL PROPERTY DAY

REPORT - SWATHI G PATEL

Intellectual property rights are the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time. It gives a person certain exclusive rights to a distinct type of creative design, meaning that nobody else can copy or reuse that creation without the owner's permission. It can be applied to musical, literary and artistic works, discoveries and inventions. Common types of intellectual property rights include copyrights, trademarks, patents, industrial design rights and trade secrets.

The term intellectual property dates from the 19th century. Before that, patent laws were first made under the Statute of Monopolies 1623 and copyright laws were first seen in the Statute of Anne in 1710. Modern usage of the term intellectual property goes back at least as far as 1867. The constitution of the North German Confederation granted legislative power over the protection of intellectual property to the confederation.

On the occasion of WORLD INTELLECTUAL PROPERTY RIGHTS DAY, we bring to you an essay writing competition, in collaboration with IIC BMSCE , BMSCE START UP CELL!

TOPIC: Introduction to Intellectual property rights

Form for registration/submission: <https://forms.gle/84cS2yyzQBLwY7Vp9>

Guidelines:

1. Participants are encouraged to search and learn about INTELLECTUAL PROPERTY RIGHTS
2. Short pieces are accepted.
3. Maximum word limit: 1000 words.
- 4 . Participants will be given time till 11:59 pm 26 th April 2021



**KSCST IP CELL
IIC BMSCE, BMSCE STARTUP CELL**

On the occasion of
**WORLD INTELLECTUAL
PROPERTY RIGHTS DAY**

we bring to you an
Essay Writing Competition

TOPIC:
Introduction to Intellectual Property Rights

All participants will receive an e-certificate!!!

**For further details
Contact: Swathi (7022458939)**



Winners of Essay Writing Competition



Archana Pandeshwar
2nd year
Telecommunication



Hrithik Kumar R
3rd year
Mechanical



Shriya Pai
1st year
Electronics and Communication

Congratulations!

PARTICIPANTS:

1	HRITHIK KUMAR R	1BM18ME055	ME	3RD
2	Ananya Markande	1BM18ML007	ML	3RD
3	Abhishek Kishanlal Bagamar	1BM18CH001	CH	3RD
4	Archana Pandeshwar	1BM19EC207	EC	2ND
5	VARSHA S	1BM19CS179	CS	2ND
6	Aman Poddar	1BM19EC010	EC	2ND
7	Mahima M.P	1BM18TE027	TE	3RD
8	Dheeraj R	1BM18ME043	ME	3RD
9	M Shriya Pai	1BM20EC079	EC	1ST

EVENT COORDINATED BY -SWATHI G PATEL