



Adi Shankara

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Vidya Bharathi Nagar , Mattoor, Kalady, Ernakulam, Kerala 683574



MHRD'S
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)



MONTHLY REPORT AUGUST 2020

DEPARTMENT OF CIVIL ENGINEERING

ONLINE QUIZ COMPETITIONS



Organized by

Department of Civil Engineering, ASIET

CHAKRAVYUH

Crack the battle of knowledge

Objectives

To test knowledge fundamentals to all fraternity.

Schedule

A quiz is a form of game or mind sport, attempt to answer questions correctly. It is a game to test knowledge about a certain subject. Students of IInd semester Civil Engineering Department, Adi Shankara Institute of Engineering and Technology, in association with 'ADIKARA' organised an online quiz competition on **15th August 2020**.

The idea of an online quiz emerged from the thought of how make pandemic period more effective.

The content of the quiz included sports, entertainment, current affairs, award and honors etc. The quiz conducted among two categories. Category I for the people of 12-17 age and category II for 18 and above. The event was announced through various social media platforms on 5th August. Event poster release and registration started from 6th August onwards.

Category I	15/08/2020, 10.30am
Category II	15/08/2020, 11.30am

Registration count:

Category 1 – 57

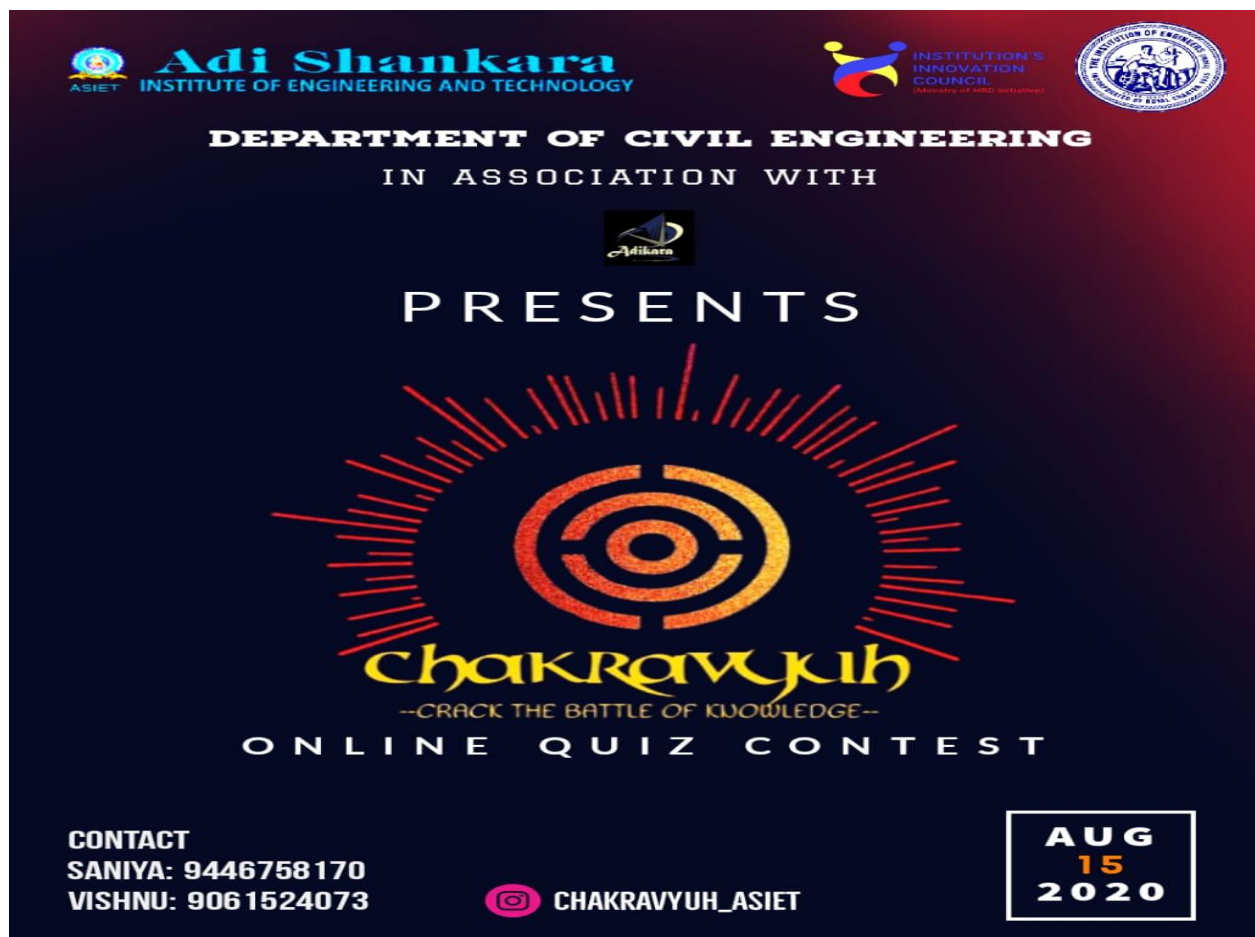
Category 2 - 314

Graded certificates were provided to participants who scored more than 15 marks.

A grade-25 and above

B grade -20 and above

C grade- 15 and above



The poster is for the 'Chakravayuh' online quiz contest. At the top left is the logo of 'Adi Shankara INSTITUTE OF ENGINEERING AND TECHNOLOGY' (ASIET). To its right is the logo of the 'INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiatives)'. Further right is a circular seal of the 'ASSOCIATION OF ENGINEERS AND ARCHITECTS'. Below these logos, the text reads 'DEPARTMENT OF CIVIL ENGINEERING IN ASSOCIATION WITH' followed by the 'Adikara' logo. The word 'PRESENTS' is written in large, white, spaced-out letters. Below this is a large, stylized orange and yellow 'Chakravayuh' logo, which resembles a target or a sun with radiating lines. Underneath the logo is the tagline '--CRACK THE BATTLE OF KNOWLEDGE--'. The main title 'ONLINE QUIZ CONTEST' is written in white, spaced-out letters. In the bottom left corner, contact information is provided: 'CONTACT SANIYA: 9446758170 VISHNU: 9061524073'. In the bottom center is an Instagram icon followed by the handle 'CHAKRAVYUH_ASIET'. In the bottom right corner, a white box contains the date 'AUG 15 2020'.

Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiatives)

ASSOCIATION OF ENGINEERS AND ARCHITECTS

DEPARTMENT OF CIVIL ENGINEERING
IN ASSOCIATION WITH

Adikara

PRESENTS

Chakravayuh
--CRACK THE BATTLE OF KNOWLEDGE--
ONLINE QUIZ CONTEST

CONTACT
SANIYA: 9446758170
VISHNU: 9061524073

CHAKRAVYUH_ASIET

AUG 15 2020

Staff Coordinators

Mr. Abishek Kumar A.A, Asst Prof CE, ASIET Kalady
Ms. Akhila Vijayan, Asst Prof CE, ASIET Kalady
Ms. Lakshmi G, Asst Prof CE, ASIET Kalady

Student Coordinators

Ms. Saniyamol A.A
Mr. Vishnu T.P

Beneficiaries

Category I for the people of 12-17 age and category II for 18 and above

VIGHNANA 2020

An online technical quiz competition was organized during lockdown days by Department of Civil Engineering, Adi Shankara Institute of Engineering and Technology, Kalady. The intended participants were civil engineering students over all the years including first years. Diploma and architecture students were also among the invited participants. The program was headed by Mr. Aneesh P.C., Head of department, Civil Engineering, ASIET. The faculty coordinators of the event were Mr. Abin Joy, Ms. Jeeva P Winto and Ms. Seena Mani, all assistant professors of Department of Civil Engineering, ASIET. The program was hosted by 2nd year students of the department, represented primarily by seven representatives, Sandra Sasi, Sruthikrishna PS, Krishnendu TS, Vivek Unnikrishnan, Parvathy Anil, Sree Lakshmi TA and Nivya VM.

The event was scheduled to be conducted on 15 August, 2020. The participants were circulated with a registration form, and link for the quiz was shared among the participants via their registered email id. The topics were solely from Basics of Civil engineering, so that students from first year also could attend the event. The cut off mark was set to be 60 % and all the participants who secured more than 60 % was awarded with participation certificates. The registration, promotion and conduct were all online so that any one with the registration link or registration QR code could register and attend the quiz. The registration was completely free and

the process was rather straightforward. Reminders were sent to the registered mail ids on the day of event along with the link to quiz.

The promotion of the event was done by all the students and faculties of Civil Department through various social media platforms like Facebook, Instagram and WhatsApp. The online pages of Vighnana 2020 on Facebook and Instagram were widely received and acknowledged. The registration of the event was done by 972 participants, all of whom attended the event. Among the 972 participants, over 500 participants had secured a score of over 60 % and were awarded with participation certificates, within 3 days after the conduct of the event. All the communications from and to the participants were done through the official mail id of the department, and all their queries and confusions were rightly attended to.

The quiz was scheduled with 30 questions, which the participant has to attend within 30 minutes. Each correct answer carried one point and no negative points for incorrect or unattended questions. The participants who exceeded time limit were not considered eligible for certificates



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Name of the college	Adi Shankara Institute of Engineering and Technology,Kalady
Name of the program	Webinar
Date	1/8/2020
Time	6.00 pm-7.00pm
Venue/Online platform	Google meet
Topic	Testing of power transformers at substation
Objective	To give insight on testing of power transformers. To give opportunity to interact with alumni
Resource Person	Mr Ben Antony ,Assistant Engineer ,KSEBL
Beneficiaries	students
Organizers	Institute innovation council Electrical and Electronics Engineering Department IEEE Energy Conservation society
Highlights of the Program	More than 100 students were participated in this webinar .Resource person explained the power transformer testing procedures in substation.

Dept. of Electrical & Electronics Engineering
Presents

CONNECT

Alumni Talk Series



Er. Ben Antony,
(Batch 2001-05)
Assistant Engineer,
KSEBL

Webinar on

Testing of Power Transformers at Substations.

Register now:

bit.ly/PowerTransformerTesting

1st August, 2020 | 6:00 – 7:00PM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS
AND COMMUNICATION ENGINEERING

Organizing a webinar on

SENSING WITH NERVES OF GLASS

Webinar By
DR. SRIJITH K
ASSISTANT PROFESSOR
IIITDM, KANCHEEPURAM

**AUGUST
5TH, 2020
3:00 PM**

Join G-Meet by Scan Or link <http://meet.google.com/jmk-yuii-xue>

E Certificate will be provided to all participants

More Queries :
Prof. Prajeesh P A 9946528300 Prof. Archana Aniyar 9446944885

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
 NATIONAL BOARD OF ACCREDITATION (ACCREDITED BY)

Details

Dr. Srijith. K is currently working as Asst Professor in IIITDM Kancheepuram. He completed his studies from the IIT Madras & NIT Trichy with Gold medal. His field of interest in research includes- fiber optic sensors, Fiber Bragg grating based sensors, Distributed optical fiber sensors, Signal processing for sensor applications & Visible Light Communication. He has got broad experience in the teaching and his efficiency was honored by various awards in National level. He got 5 international journal publication and 12 conference papers in his credit. Dr. Srijith K ,Assistant Professor , Department of ECE, IIITDM, Kancheepuram, handled a session on “Sensing with Nerves of glass on 5/8/2020 .

Beneficiaries

Total 100 students and 20 faculty members were participated in this webinar.



CONDUCT OF GUEST LECTURE/TALK			
Title of Event:Webinar on Machine Learning in HealthCare and Agriculture		Programme: ECE	All Staff & Students
Date of Event:06/08/2020	Time: From 02.00 PM to 3:00 pm	Platform:Google Meet	
Description of the Event The talk on Machine Learning in HealthCare and Agriculture helps the students and academicians who are eager to know the recent developments of Machine learning in medicalas well as in agriculture sector. It provides an insight into aspirant research scholars and students who are seriously working on ML. It discussed about one of the application of ML ie,Early prediction of Dengue fever, its symptoms,challenges and its case study on how a learning system is being trained for that with suitable examples. It also explains the case study of pesticide detection in leaves.			
Outcomes: (1) It gives an orientation to student group on where to start and how to start a b.tech/m.tech project. (2) Contributes to researchers in the beginning stage upon what research topic to choose .			
Coordinator(s) of the Event: Ms.Remya Ramesh &Ms.Divya.V.Chandran, Assistant Professor-Dept.of ECE,ASIET			

Extra-mural speaker / Presenter									
Name and address: Dr.Biji.C.L,Lecturer-Department of Computational Biology and Bioinformatics,University of Kerala,Kariavattom Campus,Thiruvananthapuram									
Title of Lecture / Presentation Talk on Machine Learning in HealthCare and Agriculture									
No of faculty members in attendance:80									
No of students in attendance:									
	<table border="1"> <tr> <th>Sem/Batch</th> <th>No of Students</th> </tr> <tr> <td>B.Tech</td> <td>87</td> </tr> <tr> <td>M.Tech</td> <td>11</td> </tr> <tr> <td>Research scholars</td> <td>7</td> </tr> </table>	Sem/Batch	No of Students	B.Tech	87	M.Tech	11	Research scholars	7
Sem/Batch	No of Students								
B.Tech	87								
M.Tech	11								
Research scholars	7								
Assessment of the Event: How the talk helps B.Tech & M.Tech final year students in carrying out Projects in ML									
Relevant POs	How the event is relevant to POs								
PO6	Helps the students to choose a seminar/project in Machine learning application as well as think about higher study option in ML after engineering.								
PO12	This session can motivate the students as well as academicians and bring confidence in them to take challenging research areas.								
Attested By: (1) Coordinator(s) Ms. Remya Ramesh & Ms.Divya.V.Chandran, Asst.Professor-ECE, ASIET (3) Head of the Department									



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY



Department of Electronics & Communication Engineering

Machine Learning in Healthcare and Agriculture

Webinar

Dr. Biji.C.L

Lecturer
Department of Computational Biology & Bioinformatics,
University of Kerala



jfi-mpjk-giu

E-certificates will be provided to all participants
For Free registration:-

REGISTER NOW!

<https://forms.gle/GVsazXT9p3soAWoz9>

For more queries:

Er. Remya Ramesh: 9846701932

Er. Divya V Chandran : 9809639849



Task: Riding the cycle



Start With Wheels and
support



Practise With Wheels
and support



Training with out
Wheels



Testing for self balancing



Performance was not



Performance Improved



Biji CL

CONDUCT OF GUEST LECTURE/TALK		
Title of Event: Webinar on “IOT, Smart Devices & Automation”	Programme: EC	Semester S5 students (2018-22 batch)
Date of Event: 21/8/2020	Time: From 5:00 PM to 6:00 pm	Platform: Google Meet
Description of the Event <p>The session began with an introduction to Industrial Revolution. The speaker then perfectly explained about IOT and different types of smart devices currently using in our industry. The speaker also detailed the design flow of IOT enabled devices with real world examples. Also provide a hands on example based on Arduino based Microcontroller. It help students to know how sensors are integrated in various applications.IOT is an upcoming field that focuses on connecting various devices to a server which helps to process data in large scale. Also, many future scopes were discussed. The speaker also detailed his mini project, final year B.tech project and his industry projects based on the request from students. The webinar was so interactive and interesting that it was extended till 6 pm. Participants gave their feedback on various aspects of the session</p> <p>Outcomes:</p> <ul style="list-style-type: none"> • The students will be able to think innovatively about different technologies used in engineering field. • The students will be able to understand the engineering aspects of design with reference to simple products 		
Coordinator(s) of the Event: Er. Divya V Chandran and Er. Aswathy N, Assistant Professors from Dept of ECE, ASIET.		
Extra-mural speaker / Presenter Name and address: Mr .Sreehary P L, Software Engineer, Kimball Electronics India		
Title of Lecture / Presentation “IOT, Smart Devices & Automation		
No of faculty members in attendance: 2		
No of students in attendance: 45		

	Sem/Batch	No of Students
	S5 EC (2018-22)	45

Assessment of the Event: How the event makes for a co-curricular activity that is useful to students in their engineering education:

Relevant POs	How the event is relevant to POs
PO6	Helps the student to choose design constraints while designing a product ,we must consider the safety and health of customer
PO12	This session helps the student to understand modern tools and techniques are needed for designing then product that meets the requirements

Attested By: (1) Coordinator(s)

Er. Divya V Chandran, Asst. Professor, EC, ASIET

(2) Head of the Department

Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electronics & Communication Engineering

Live Webinar

IoT, Smart devices & Automation

Let's discuss the future of IoT, Smart devices & Automation.....

Google Meet **mdw-vfvp-gwf**

For more queries...
Er Divya V Chandran, 9809639849
Er. Aswathy N, 9645109463

NBA
NATIONAL BOARD
of ACCREDITATION

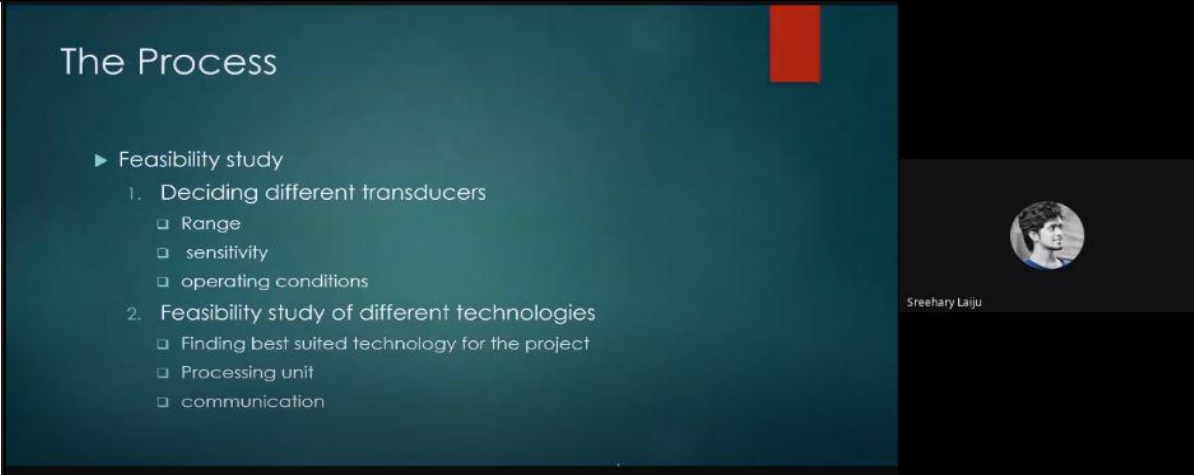
INSTITUTION'S INNOVATION COUNCIL
Initiative of NBA colleges

Er. Sreehary P L

Our Alumnus- 2014-2018 ECE
Software Engineer
Kimball Electronics India

**FRIDAY
August
21st
5 PM**

E- certificates will be provided to all participants.
Exclusively for third year ECE students of ASIET.

		
CONDUCT OF GUEST LECTURE/TALK		
Title of Event: Webinar on “Embedded Product Design”	Programme: EC	Semester S5 students (2018-22 batch)
Date of Event: 23/8/2020	Time: From 4:00 PM to 5:00 pm	Platform: Google Meet
Description of the Event <p>The session began with an introduction to Embedded System design. The speaker explained the design flow, design constraints and industry process. Also provide real case examples based on Microcontroller. It help students to know different types of hardware and software design flow.</p> <p>Outcomes:</p> <ul style="list-style-type: none"> • The students will be able to think innovatively about different technologies used in engineering field. • The students will be able to understand the engineering aspects of design with reference to simple products 		
Coordinator(s) of the Event: Er. Aswathy N and Er. Divya V Chandran, Assistant Professors from Dept of ECE, ASIET.		

Extra-mural speaker / Presenter Name and address:

Mr .Kruian Thomas, Senior Engineer , Tata Elxsi Ltd

Title of Lecture / Presentation

“Embedded Product Design”

No of faculty members in attendance: 2

No of students in attendance: 30

Sem/Batch	No of Students
S5 EC (2018-22)	30

Assessment of the Event: How the event makes for a co-curricular activity that is useful to students in their engineering education:

Relevant POs	How the event is relevant to POs
PO6	Helps the student to choose design constraints while designing a product ,we must consider the safety and health of customer
PO5	This session helps the student to understand modern tools and techniques are needed for designing then product that meets the requirements

Attested By: (1) Coordinator(s)

Er. Aswathy N, Asst. Professor, EC, ASIET

(2) Head of the Department



DEPARTMENT OF MECHANICAL ENGINEERING

Department of Mechanical Engineering
in association with
Institution's Innovation Council

Alumni Webinar Series

"A **Journey** from an
Engineering student to an Engineer"

Speaker



Mr. Vishak P M
(2012-2016 Batch)
Design Engineer
Ankidyne, Chennai



11 30 am
to
12 30 pm

SCAN & JOIN



Free Registration

WHO CAN PARTICIPATE: ALL ENGINEERING ASPIRANTS AND STUDENTS
E Certificate will be provided to all successful participants



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY



Coordinators
Mr. Jithesh S R **Mr. Sandeep O S**
98 46 600 403 94 47 315 415

Department of Mechanical Engineering
in association with
Institution's Innovation Council

Webinar
on

"Warm Forming of Aluminium Alloys"

SCAN & JOIN



Free Registration



Speaker

Dr. Sudhy S Panicker
Research Associate
Department of
Mechanical Engineering,
The University of Sheffield, Sheffield, UK.

DATE : 11 Aug 2020

TIME : 2 PM - 3 PM

WHO CAN PARTICIPATE: RESEARCH SCHOLARS, FACULTY AND STUDENTS
E Certificate will be provided to all successful participants



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY



Coordinators

Mr. Sreenivasan S N
96 33 155 106

Mr. Sandeep O S
94 47 315 415

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION

WEBINAR NAME: HIGHER STUDIES IN ABOARD UNIVERSITIES AFTER ENGINEERING

DATE: 7TH AUGUST 2020

Resource Person: Akhil Saseendran Nair Electrical & Control Technologist, Ontario Power Generation, Canada

Topic - A Tech talk on “Higher Studies in Foreign Universities after Engineering”

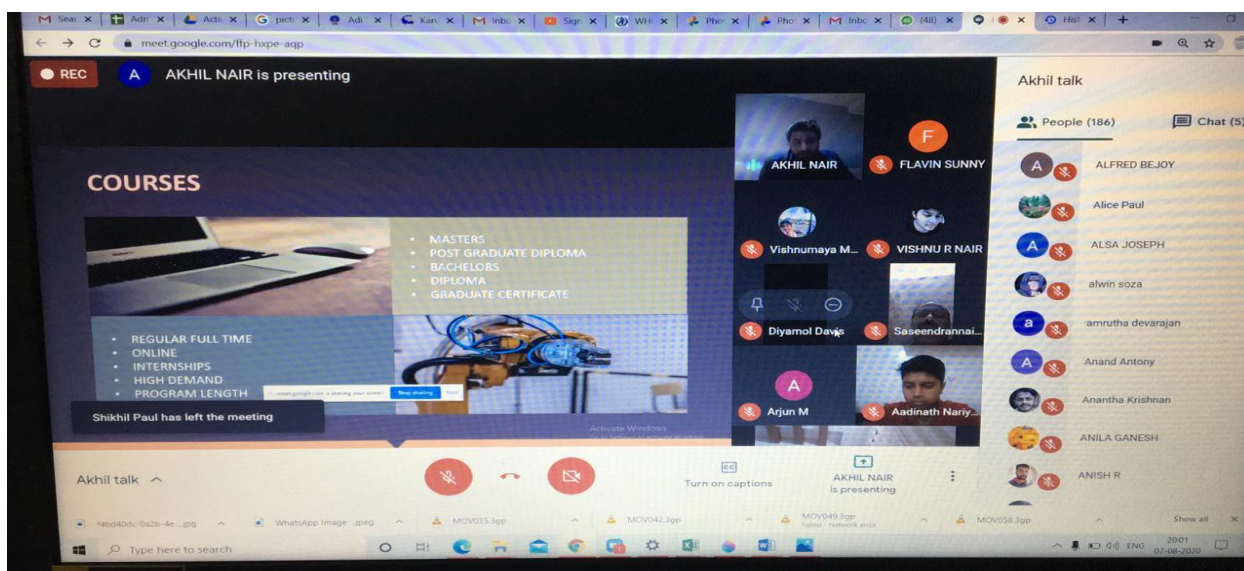
The poster is for a webinar titled "HIGHER STUDIES IN ABOARD UNIVERSITIES AFTER ENGINEERING". It features logos for Adi Shankara Institute of Engineering and Technology, Institution's Innovation Council (Ministry of HRD Initiatives), and the International Society of Automation (ISA) - Adi Shankara Institute of Engineering and Technology Student Section. The text "Dept. of Applied Electronics & Instrumentation" is also present. The word "WEBINAR" is prominently displayed in large blue letters. Below it, the title "HIGHER STUDIES IN ABOARD UNIVERSITIES AFTER ENGINEERING" is written in bold black letters. The date and time "7 Aug 2020 7:30-8:30 PM" are listed. The speaker's name "Akhil Saseendran Nair" and his title "Electrical and Control Technologist, Ontario Power Generation, Canada" are provided, along with a small circular portrait of him. At the bottom, it says "Join with Google Meet" and provides the link "meet.google.com/ffp-hxpe-aqp".

WEBINAR BRIEF: The seminar widely discussed the higher studies in abroad universities after engineering. The various universities and their courses are discussed. It also mentions the different positions which will be held by a robotic engineer after completing the course. Universities worldwide have seen a constant rise in the number of Indian students enrolling for a degree away from their home country. The main reason behind their choice is the fact that the Indian job market appreciates a degree from a top international university more compared to an Indian's Bachelor's or Master's degree. Additionally, universities from several countries provide top quality higher education, far better facilities and most importantly, focus more on research

than Indian universities. According to data collected by Study portals, the top five countries where Indian students choose to go abroad are:

1. Canada
2. Germany
3. Australia
4. United States
5. Italy

Higher education experts around the world share what they believe to be the main benefits of studying abroad including experience in a global hub, and developing language skills via immersion in an international experience, as well as key factors to consider when choosing a location for your studies



WEBINAR NAME: A DISCUSSION ON 5G ENABLING TECHNOLOGIES

DATE: 14TH AUGUST 2020

Resource Person: Dr Sudheesh P G, Assistant Professor, Dept Of E&C,Mit,Manipal

WEBINAR BRIEF: The seminar widely discussed about 5G enabling technologies. 5G will enable instantaneous connectivity to billions of devices, the Internet of Things (IoT) and a truly connected world. 5G will provide the speed, low latency and connectivity to enable a new

generation of applications, services and business opportunities that have not been seen before. 5G is based on OFDM (Orthogonal frequency-division multiplexing), a method of modulating a digital signal across several different channels to reduce interference. 5G uses 5G NR air interface alongside OFDM principles. 5G also uses wider bandwidth technologies such as sub-6 GHz and millimeter waves (mmWave).



Dept. of Applied Electronics & Instrumentation

WEBINAR

A DISCUSSION ON 5G ENABLING TECHNOLOGIES



14 Aug 2020
4:30-5:30 PM

Dr. Sudheesh P G
Assistant Professor, Dept of E&C
MIT, Manipal



Join with Google Meet
meet.google.com/phg-wooe-pmj

