



# VISWAJYOTHI

**COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Vazhakulam P.O., Muvattupuzha-686 670, Kerala

Tel: 0485 2262211, 2262255, 9496335522

Email: vjcet@vjcet.org, www.vjcet.ac.in

Established in 2001

Managed by Catholic Diocese Kothamangalam



## 2.3 Teaching- Learning Process

**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences**

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### 1. Course plan and delivery plan of staff member - Participative Learning

APPENDIX 1

**VISWAJYOTHI**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**

Vazhakulam P.O., Muvattupuzha, Ernakulam Dist. Kerala, India - 686670  
Phone: 0485 - 2262211, 2262255, 2262977, 2262244, 2262311, 94963 35522  
Email: vjcet@vjcet.org vjckim@gmail.com Website: www.vjcet.ac.in

Vision **"Moulding Engineers par excellence  
with integrity, fairness and human values"**

**Mission**

- We commit to develop the institution into a Centre of Excellence of International Standards.
- We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technologies and the ever changing world of business, industry and services.
- We help and support our students in their personal growth shaping them into mature and responsible individuals.
- We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve humanity.
- We promise to ensure a free environment where quest for the truth is encouraged.

**COURSE DIARY**

Branch : ECE

Semester : 55 A&B Year : 2019-20

Subject : Digital System Design

Code : EC361

Name of Staff member	: <u>Merlin Thomas</u>
Mobile No.	: <u>9446741339</u>
Designation	: <u>Assistant Professor</u>
Department	: <u>Electronics &amp; Communication Engg</u>

VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY

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*Proof for Course diary of faculty member- Front Page*



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### SCHEDULE OF WORK/TIME TABLE

Days	1	2	3	4	5	6	7
Mon				L-SS EC DSD			
Tue						L-SS EC DSD (T)	
Wed							
Thu	L-SS EC DSD						
Fri		L-SS EC DSD					

### ELIGIBILITY CRITERIA FOR REGISTERING HIGHER SEMESTER COURSES

Semester	Minimum Cumulative Credits (Existing)	Minimum Cumulative Credits (Revised)	Remarks
First	Not Applicable	Not Applicable	No change in rule
Second	Not Insisted	Not Insisted	No change in rule
Third	Not Insisted	Not Insisted	No change in rule
Fourth	26 Credits from S1&S2	Not Insisted	Minimum credit requirement shifted to Fifth Semester
Fifth	Not Insisted	26 Credits from S1&S2	26 Credits from S1&S2 for registering 5th Semester
Sixth	71 Credits from S1 to S4	Not Insisted	Minimum credit requirements shifted to Seventh Semester
Seventh	Not Insisted	52 Credits from S1 to S4	52 Credits from S1 to S4 for registering Seventh Semester
Eighth	117 Credits from S1 to S6	Not Insisted	Minimum Credit requirement removed

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*Proof for Course diary of faculty member- Time Table*



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COURSE CODE	COURSE NAME	L-T-P-C	YEAR OF INTRODUCTION
EC 361	DIGITAL SYSTEM DESIGN	3-0-0-3	2015
<b>Prerequisite:</b> EC207 Logic Circuit Design			
<b>Course objectives:</b> The purpose of this course is: 5. To study synthesis and design of CSSN 6. To study synthesis and design of ASC 7. To study hazards and design hazard free circuits 8. To study PLA folding 9. To study architecture of one CPLDs and FPGA family			
<b>Syllabus:</b> Clocked synchronous networks, asynchronous sequential circuits, Hazards, Faults, PLA, CPLDs and FPGA			
<b>Expected outcome:</b> The student should able: 1. To analyze and design clocked synchronous sequential circuits 2. To analyze and design asynchronous sequential circuits 3. To apply their knowledge in diagnosing faults in digital circuits, PLA 4. To interpret architecture of CPLDs and FPGA			
<b>Text Books:</b> 1. Donald G Givone, Digital Principles & Design, Tata McGraw Hill, 2003 2. John M Yarbrough, Digital Logic Applications and Design, Thomson Learning 3. John F Wakerly, Digital Design, Pearson Education, Delhi 2002			
<b>References:</b> 1. Richard E. Haskell, Darrin M. Hanna, Introduction to Digital Design Using Digilent FPGA Boards, LBE Books- LLC 2. N. N. Biswas, Logic Design Theory, PHI 3. Miron Abramovici, Melvin A. Breuer and Arthur D. Friedman, Digital Systems Testing and Testable Design, John Wiley & Sons Inc. 4. Z. Kohavi, Switching and Finite Automata Theory, 2 <sup>nd</sup> ed., 2001, TMH 5. Morris Mano, M.D. Ciletti, Digital Design, 5 <sup>th</sup> Edition, PHI, 6. Samuel C. Lee, Digital Circuits and Logic Design, PHI			
<b>Course Plan</b>			
Module	Course content	Hours	Sem. Exam Marks
I	Analysis of clocked Synchronous Sequential Networks(CSSN)	2	15
	Modelling of CSSN – State assignment and reduction	1	
	Design of CSSN	2	
	Iterative circuits	1	
	ASM Chart and its realization	2	
II	Analysis of Asynchronous Sequential Circuits (ASC)	2	15
	Flow table reduction- Races in ASC	1	
	State assignment problem and the transition table- Design of AS	2	
	Design of Vending Machine controller.	2	

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*Proof for Course diary of faculty member- Syllabus*





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### Course Plan

No.	Date & Day	Hrs.	Topics to be Covered
			<u>Module-1</u> (16 + 4 tutorials)
1	1-8-2019 (Thurs)	1	Introduction To FSM → Mealy & Moore Circuits
2	2-8-2019 (Fri) 5-8-2019 (Mon)	3	Analysis of Clocked Synchronous Sequential Networks — Mealy
3	6-8-2019 Tuesday	4	Analysis of a Moore CSSN
4	8-8-2019 (Thurs) 9-8-2019 (Fri)	6	Modelling of CSSN
5	12-8-19 (Monday)	7	Design Problems
6	13-8-19 (Tues) 15-8-19 (Thu) 16-8-19 (Fri)	10	State Reduction rules & problems.
7	17-8-19 (Sat) 19-8-19 (Mon) 20-8-19 (Tues)	12	State Assignment rules & problems
8	22-8-19 (Thursday)	13	Iterative Circuits
9	26-8-19 (Monday)	14	ASM chart - components
10	27-8-19 (Tues) 29-8-19 (Thurs)	16	Realizations using ASM charts
11	30-8-19 (Friday)	17	Tutorial exercises
12	2-9-19 (Monday)	18	Tutorial exercises
13	3-9-19 (Tues) 5-9-19 (Thurs)	20	Tutorial exercises

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*Proof for Course diary of faculty member- Course Plan*



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Details of Assignments			
No.	Date of submission	Date of return after evaluation	Description
1.	26.8.19	27.8.19.	1. What are FPGAs? Advantages (5) 2. Differences between CPLD & FPGA (5) 3. Architecture of XILINX 9500 CPLD family. Also explain the functional blocks in architecture (10) 4(a) Architecture of XILINX XC4000 configurable logic block (10) (b) Internal structure of XC4000 I/O CLP block (10) 5. Investigate the switch matrix of XC9500 CPLD with the help of a diagram (10)
2.	9.10.19	10.10.19	1. Write a short note on ASM & explain its block diagram. (10) 2. Briefly explain the terminology of an ASM. 3. Differentiate b/w ASM model & mealy & Moore model. 4. Define ASM block & list its salient features 5. Define a loop path & illustrate with an eg.
3	22.11.19	25.11.19.	① Types of PLA folding ② Different DFT techniques ③ & BIST. (To take print of notes)

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**Proof for Course diary of faculty member- Details of Assignment**



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Details of Tutorials		
No.	Date	Description
1.	30.8.19	A set of 6 questions on Analysis of Clocked Synchronous Sequential Networks.
2.	5.9.19	Homework on Design of Odd Parity Generator, Moore Serial Binary Adder apply State Assignment Rules. Problems on State Reduction, Circuit of 4 bit Ripple Carry Adder as Iterative Circuit & 8k of module - Full Adder
3.	29.9.2019	ASM Chart - JKFF, DFF, Analysis & Syn. H.W on ASM chart of SR FF & TFF
4.	11.10.19	Tutorial Questions on Hazards & Switch bouncing Design a switch debouncer using SR latches Donald D Givone Ex. 9.25 & 9.26.
5.	11.11.19	Questions based on Fault table method, Kohavi's method & Boolean difference method.
6.	25.11.19	Questions on fault testing methods (Kohavi, Boolean diff. Fault Matrix, Poeh Sensitization)

*Proof for Course diary of faculty member- Details of Tutorials*





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Sl. No.	NAME	Date	T													
			5	6	7	8	9	10	11	12	13	14	15	16	17	18
	S5 ECA	Period	4	7	2	1	1	2	3	7	2	2	4	7	1	4
11	Aanjana M Baby		x	x	x	x	x	x	x	a	x	a	x	x	x	x
25	Alfred Roy		x	x	x	a	x	x	x	a	x	a	x	x	x	x
36	Alwin C Varghese		x	x	x	x	x	x	x	a	x	a	x	x	x	x
48	Ann Nidhiya PT		x	x	x	x	x	x	x	a	x	x	x	x	x	x
59	Asadhana Paakash		x	x	x	x	x	x	x	x	x	x	x	x	x	x
610	Arshiya Noushad		x	x	x	x	x	x	x	a	x	a	x	x	x	x
711	Augustina K Martin		x	x	x	a	a	x	a	x	x	x	x	x	x	x
812	Brito Savio		x	x	x	x	x	x	x	a	x	a	x	x	x	x
913	Dona Saji K		x	x	x	a	a	x	x	x	x	x	x	x	x	x
1015	Helna Eldho		x	x	x	x	x	x	x	x	x	x	a	x	x	x
1116	Libiya Pathrose		x	x	x	x	x	x	x	x	a	x	a	x	x	x
1217	Liya Jojo		x	x	x	x	x	x	a	x	x	x	a	x	x	x
1318	Mariga George		x	x	x	x	x	d	x	a	x	a	x	d	x	x
1419	Merila Ann Joseph		x	x	x	x	x	x	a	x	a	x	x	x	x	x
1520	Minnu Mary Solly		x	x	x	x	x	x	a	a	x	x	x	x	x	x
1621	Nivya Thomas		x	x	x	x	x	x	a	x	x	x	x	x	x	x
1730	Shilpa Varghese		x	x	x	a	a	x	x	x	x	x	x	x	x	x
1831	Sneha George		x	x	x	x	x	x	x	x	x	x	x	x	x	x
1935	Yamuna MS		x	x	x	x	x	x	x	x	x	x	x	x	x	x
204	Aleena Saji Kuriakose		x	x	x	a	a	x	x	x	a	x	a	x	x	x
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35																

*Proof for Course diary of faculty member- Attendance Sheet*







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Subject Coverage				
No.	Date & Day	Hrs.	Topics Covered	Mode of Instruction
1	5.8.19 Monday	1	Digital Circuits - NPTEL problems	Chalk & Talk
2	6.8.19 Tuesday	2	Digital Circuits - NPTEL problems	Chalk & Talk
3	8.8.19 Thursday	3	Module 1 FSM, Mealy & Moore Model	Chalk & Talk
4			D Flip-flop & JK FF - excitation table, state diagram & char. equation	
5	16.8.19 Friday	4	T FF, SR FF char. eqn Analysis of clocked syn. Seq. D/F - Mealy	Chalk & Talk
6	17.8.19 Saturday	6	Analysis of a Moore CSSN exercises - practice.	Chalk & Talk
7	19.8.19 Monday	7	Modelling of CSSN Serial Binary Adder - Mealy	Chalk & Talk
8	20.8.19 Tuesday	8	Tutorial hour - (1) Analysis of CSSN	Chalk & Talk
9	22.8.19 Thursday	9	Serial Binary Adder - Moore Sequence Detector - 1011 sequence.	Chalk & Talk
10	24.8.19 Saturday	10	Design eg. 010/1001 - seq. Detector	Chalk & Talk
11	26.8.19 Monday	11	Design Problems.	Chalk & Talk
12	27.8.19 Tuesday	12	Design Problems	Chalk & Talk
13	29.8.19 Thursday	13	Moore Design, Odd Parity Bit-Generator	Chalk & Talk

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**Proof for Course diary of faculty member- Subject Coverage**



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# Year Calendar

KTU/DIRECTOR/ACADEMIC/106

## APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

### Academic Calendar - Jul 2019 to Jan 2020

(B.Tech, B.Arch, BIMCT, B.Des, M.Tech, M.Arch, M.Planning, MCA and Evening B.Tech & M.Tech)

Please see separate Academic Calendar for MBA

(Bold Numbers in Class indicates instructional days)

Page 1/3

Jul-19			Aug-19			Sep-19			Oct-19		
Days	Date	Description	Days	Date	Description	Days	Date	Description	Days	Date	Description
Mon	1		Thu	1	Commencement of Classes for all other students	Sun	1		Tue	1	Exam Registration begins
Tue	2		Fri	2		Mon	2		Wed	3	Gandhi Jayanthi
Wed	3		Sat	3		Tue	3		Thu	4	
Thu	4		Sun	4		Wed	4		Fri	5	
Fri	5		Mon	5		Thu	5		Sat	6	
Sat	6		Tue	6		Fri	6		Sun	7	
Sun	7		Wed	7		Sat	7	Open Vacation begins	Mon	7	Muharram
Mon	8		Thu	8		Sun	8		Tue	8	Vishu
Tue	9		Fri	9	Instructional program ends for B.Tech	Mon	9	Muharram	Wed	9	
Wed	10		Sat	10		Tue	10	First Exam	Thu	10	
Thu	11		Sun	11		Wed	11	Thiruvonam	Fri	11	
Fri	12		Mon	12	Course Set, Reg & Mapping begins	Thu	12	Third Exam	Sat	12	
Sat	13		Tue	13		Fri	13	Fourth Exam	Sun	13	
Sun	14		Wed	14		Sat	14		Mon	14	
Mon	15		Thu	15	Independence Day	Sun	15	Open Vacation ends	Tue	15	
Tue	16		Fri	16		Mon	16	Classroom revision & Exam registration begins	Wed	16	
Wed	17		Sat	17		Tue	17		Thu	17	
Thu	18		Sun	18		Wed	18		Fri	18	
Fri	19		Mon	19		Thu	19		Sat	19	
Sat	20		Tue	20		Fri	20		Sun	20	
Sun	21		Wed	21		Sat	21	Sriek Natyapada & Sriek Samadhi Day	Mon	21	
Mon	22	Commencement of Classes for B.Tech & B.Arch	Thu	22	Course Set, Reg & Mapping ends	Sun	22		Tue	22	
Tue	23		Fri	23	Sreekrishna Jayanthi	Mon	23	Test & Reg for Engineering	Wed	23	
Wed	24		Sat	24		Tue	24		Thu	24	
Thu	25		Sun	25		Wed	25		Fri	25	
Fri	26		Mon	26		Thu	26		Sat	26	
Sat	27		Tue	27		Fri	27		Sun	27	Deepavali
Sun	28		Wed	28	Birthday of Ayyappa	Sat	28	Sports Meet (I) & Sports Meet (II) begins	Mon	28	Sports Meet (I) & Sports Meet (II) continues
Mon	29		Thu	29		Sun	29		Tue	29	
Tue	30		Fri	30		Mon	30		Wed	30	
Wed	31	Karnataka Day	Sat	31					Thu	31	

VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY

*Proof for Course diary of faculty member- Academic Calendar from the University*



No. of working days for the add semester		Instruction Day List	
Month	Days		
July	7	Onam Celebration	
August	21	Students' Council Inauguration	
September	22	Associate Inauguration	
October	12	Drona Sports Day	
November	19	BODHI Tech Fest	
		Series Exam	
Total	86	Total	

No. of working days for the first semester		Instruction Day List	
Month	Days		
July	7	Onam Celebration	
August	21	Students' Council Inauguration	
September	22	Associate Inauguration	
October	12	Drona Sports Day	
November	19	BODHI Tech Fest	
		Series Exam	
Total	86	Total	

No. of working days for higher semesters		Instruction Day List	
Month	Days		
July	7	Onam Celebration	
August	21	Students' Council Inauguration	
September	22	Associate Inauguration	
October	12	Drona Sports Day	
November	19	BODHI Tech Fest	
		Series Exam	
Total	86	Total	

Working Saturdays		Time Table	
Month	Date		
August	17-8-2019	Thursday	
September	31-8-2019	Wednesday	
October	28-9-2019	Sports Day/Tuesday	
November	5-10-2019	Monday	
	19-10-2019	Tech Fest/Wednesday	
	2-11-2019	Series Test	
	23-11-2019	Tuesday	

No. of working days for first semester		Instruction Day List	
Month	Days		
July	7	Onam Celebration	
August	21	Students' Council Inauguration	
September	22	Associate Inauguration	
October	12	Drona Sports Day	
November	19	BODHI Tech Fest	
		Series Exam	
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November	19	BODHI Tech Fest	
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September	22	Associate Inauguration	
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September	22	Associate Inauguration	
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## 2. Online Course Students Certificates-Participative Learning



**Elite**

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to  
**ALAN BINOY**  
for successfully completing the course  
**Manufacturing of Composites**  
with a consolidated score of **85** %

Online Assignments	24.58/25	Proctored Exam	60/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **843**

**Aug-Oct 2019**  
(8 week course)





**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur



**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



FREE ONLINE EDUCATION  
**swayam**  
विद्यया ऽमृतं, ज्ञानं मृतं

Roll No: NPTEL19ME67S51300224

To validate and check scores: <https://nptel.ac.in/noc>

*Proof for NPTEL Certificates*



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This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20ME95S81420360

To  
ANANDHU V R  
VEMBLIKKATTUMATTOM(H)  
NELLIKUZZHI P.O  
KOTHAMANGALAM  
KERALA - 686691  
PH. NO :9645470689



No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



## NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**ANANDHU V R**

for successfully completing the course

### Introduction to Composites

with a consolidated score of **57** %

Online Assignments	25/25	Proctored Exam	31.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: 454

Prof. Rajesh M. Hegde  
Chairman, Centre for Continuing Education  
IIT Kanpur

Sep-Dec 2020  
(12 week course)

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL20ME95S81420360

To validate and check scores: <https://nptel.ac.in/noc/>

*Proof for NPTEL Certificates*





# VISWAJYOTHI

## COLLEGE OF ENGINEERING & TECHNOLOGY

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Tel: 0485 2262211, 2262255, 9496335522  
Email: vjcet@vjcet.org, www.vjcet.ac.in

Established in 2001  
Managed by Catholic Diocese Kothamangalam



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20ME70S71420330

To  
ANANDHU V R  
VEMBLIKKATTUMATTOM(H)  
NELLIKUZH P.O  
KOTHAMANGALAM  
KERALA - 686691  
PH. NO :9645470689



No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



Elite

## NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

**ANANDHU V R**

for successfully completing the course

### Work System Design

with a consolidated score of **90** %

Online Assignments	23.13/25	Proctored Exam	67/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **538**

**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee

Sep-Dec 2020  
(12 week course)

**Prof. Inderdeep Singh**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL20ME70S71420330

To validate and check scores: <https://nptel.ac.in/noc>

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## Certificate of Completion

**This is to certify that *Mathews Benny* successfully completed 26 total hours of *Flutter & Dart - The Complete Flutter App Development Course* online course on *March 25, 2021***

*Paulo Dichone | Android, Java, Flutter Developer and Teacher*

Paulo Dichone | Android, Java, Flutter Developer and Teacher, Instructor

&



Certificate no: UC-b060e2d9-128f-4f2a-b825-6b829b9d2353  
Certificate url: ude.my/UC-b060e2d9-128f-4f2a-b825-6b829b9d2353  
Version 3

#BeAble

***Proof for Udemy Certificates***



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***Proof for COURSERA Certificates***





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***Proof for COURSERA Certificates***



### **3. Student Certificates- Project Competition , Paper Presentation Design Contest, Cybathlon etc- Problem Solving Methodologies, Experiential and Participative Learning**

Go Kart Design Challenge is a national design competition organized by Indian Society of New Era Engineers every year at different locations across India for engineering students in which the students design and manufacture a Go-Kart without the involvement of professionals.

18 member students' team 'CYRUS ELECTROS' from Viswajyothi College of Engineering & Technology, Vazhakulam, has participated in 7<sup>th</sup> Go Kart Design Challenge (GKDC) organized by Indian Society of New Era Engineers (ISNEE) to be held at KARI Motor Speedway, Coimbatore, Tamil Nadu from 10<sup>th</sup> – 14<sup>th</sup> February, 2020.

The team 'CYRUS ELECTROS' ranked 7<sup>th</sup> position in overall ranking in Electric Vehicle category.

The Electric Go-Kart vehicle is designed and constructed by the team for the event.

Go Kart Design Challenge formerly known as National Go Kart Championship is a competition initiated by ISNEE to offer teams the maximum design flexibility and the freedom to express their creativity and imaginations with very few restrictions on the overall kart design. The challenge to teams is to develop a kart (CV and EV) that can successfully compete in all the events described in the GKDC Rulebook.





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Ref No - ISNEE/OLH/NW93

### TO WHOMSOEVER IT MAY CONCERN

**Subject** – Transportation Letter

This is to certify that Team **CYRUS ELECTROS** from **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** is participating in 7<sup>th</sup> Go Kart Design Challenge; a design challenge for engineering students in which the students design and manufacture a Go Kart without the involvement of professionals. This competition is organized by **INDIAN SOCIETY OF NEW ERA ENGINEERS** every year at different locations across India. 7<sup>th</sup> Go Kart Design Challenge is scheduled to be held at **KARI MOTOR SPEEDWAY - COIMBATORE, TAMIL NADU** from **Feb 10th to 14th, 2020**.

This is important to note that the vehicle made by the students for this event is neither any commercial vehicle nor for sale. It's just for a learning opportunity for the students which help them to be better professionals in their field.

Authenticity of this letter can be checked by mailing us on [info@isnee.in](mailto:info@isnee.in).



Yours Cordially

For Indian Society of New Era Engineers  
Sanjay Bedi

INDIAN SOCIETY OF NEW ERA ENGINEERS  
H-72, Mah-Chobiyar, Ahirala Road Basta - U.P. - 246736 | [www.isnee.in](http://www.isnee.in) | [info@isnee.in](mailto:info@isnee.in)  
01345-286628

*Acceptance Letter for Participating in Go Kart Design Challenge*



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*Proof for Participation Certificate in Driver Training Program of Go Kart Design Challenge*



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*Proof for Certificate of Participation as Faculty Advisor in EV Category of Go Kart Design Challenge*



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*Proof for Certificate of Participation in EV Category of Go Kart Design Challenge*





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*Proof for Certificate of Participation in EV Category of Go Kart Design Challenge*



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*Proof for Certificate of Participation in Two Day Workshop Program on Go Kart Design Challenge*



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*Proof for Certificate of Participation in Two Day Workshop Program on Go Kart Design Challenge*





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*Proof for Participation in Go Kart Design Challenge*



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*Proof for Participation in Go Kart Design Challenge*



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*Proof for Participation and Securing Prize in Project Competition*





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***Proof for Participating in Project Contest of KTU Techfest 2019***



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*Proof for Participating in “Yuva Mastermind 2020”, A State Level Innovation Contest for Students Organised by Malayala Manorama*



#### **4. Proof for Gap Filling- Lecture Talk, Workshops etc- Participative Learning**

Report on Webinar on “Capital Market- Structure, Trends opportunities and challenges”  
conducted on 18 August<sup>th</sup> 2020

##### **Introduction:**

. Viswajyothi School of management studies on 18<sup>th</sup> August 2020 organized a Webinar on Capital Market- Structure, Trends opportunities and challenges. Mrs. Garima Kumar, Director & Co-Founder, Lotus Knowwealth, Mumbai delivered the talk. Thanks to Dr.Sreenish S Ramaswamy for organizing this enriching session.

##### **1) Program Objective.**

The objective of the program was to know about the various investment avenues in Capital Market and Money Market available in BSE & NSE. She delivered more about the Mutual fund investment and other stock market instruments.

##### **2) Program Description**

She delivered the talk on Capital Market and Money Market Instruments available in BSE and NSE.

##### **3) Program Out comes**

Students were able to understand the various investment opportunities available with BSE & NSE.

##### **4) Conclusion**

Thanks to Dr.Sreenish S Ramaswamy for organizing this enriching session.





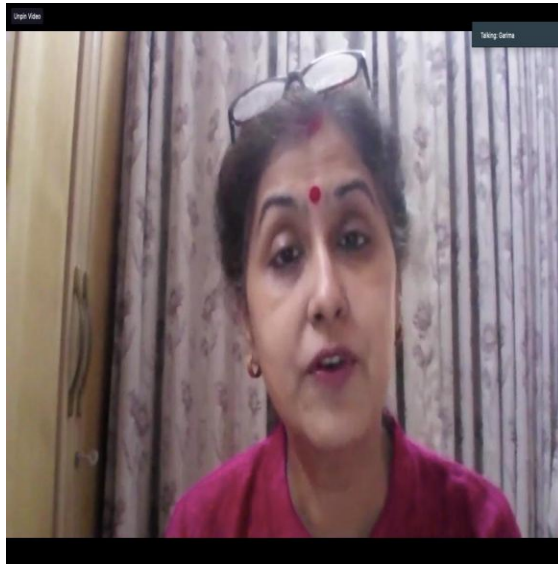
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**webinar** **CAPITAL MARKET AWARENESS PROGRAM**

**18<sup>TH</sup> AUGUST 2020 1:00 PM**

**Resource Person**  
**GARIMA KUMAR**  
Director & Co-Founder,  
Lotus Knowledge, Mumbai.

**Coordinators**  
Dr. Cyriac Joseph Vempala (Dean)  
Dr. Geo Baby (HOD)  
Dr. Sreenish & Ranaswami (Asst. Prof.)

**Organised by**  
**VISWAJYOTHI SCHOOL OF MANAGEMENT STUDIES**  
**VISWAJYOTHI**  
COLLEGE OF ENGINEERING & TECHNOLOGY  
Vazhakulam P.O., Muvattupuzha  
Emakulam Dist., Kerala - 686 670  
Tel: 0485 2262211 / 44  
Email: vjcet@vjcet.org  
www.vjcet.org

**98479 22281**  
**98478 24893**



*Webinar on “Capital Market- Structure, Trends opportunities and challenges” conducted on  
18 August<sup>th</sup> 2020*



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### List of Participants

The program was arranged for both the batch of MBA, namely the first and Second year MBA students.

Sl No	Students Name	Batch	Sl No	Students Name	Batch
1	Abin Joy	2018-20	44	Aiswarya K S	2019-21
2	Abin Shajan	2018-20	45	Ajay Mohan	2019-21
3	Adorna L George	2018-20	46	Ajay Raju	2019-21
4	Ahammed Suhail P.A	2018-20	47	Akhila Anirudhan	2019-21
5	Ajas Mytheen	2018-20	48	Akhil Babu	2019-21
6	Akhil Selvan	2018-20	49	Aksa Sara Joseph	2019-21
7	Alex J. Kandathil	2018-20	50	Akshai Joshy	2019-21
8	Alona Tomy	2018-20	51	Amal Dominic	2019-21
9	Amal Sunny	2018-20	52	Amal N S	2019-21
10	Amalu Hanna Reji	2018-20	53	Anjali Venugopal	2019-21
11	Annu Rose Babu	2018-20	54	Ann Mariya Babu	2019-21
12	Ansi PS	2018-20	55	Annu Santy	2019-21
13	Anuroopa Viswanathan	2018-20	56	Anto George	2019-21
14	Aris K.N	2018-20	57	Athira Aravind	2019-21
15	Ashmi Baby	2018-20	58	Athulya M R	2019-21



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16	Athira Sathyan	2018-20	59	Chandana Pramod	2019-21
17	Athulya Rajeev	2018-20	60	Devika P Nair	2019-21
18	Basil Jayan	2018-20	61	Divya Rose K.B	2019-21
19	Basil Reji	2018-20	62	Diya Shaju	2019-21
20	Bensen Benny	2018-20	63	Eldho Thankachan	2019-21
21	Bhavya Das	2018-20	64	Fathima Muhsina I	2019-21
22	Christeena Thankachan	2018-20	65	Fazil Shamsudheen	2019-21
23	Della Joseph	2018-20	66	Gayathry M S	2019-21
24	Dennamol Benny	2018-20	67	Gowripriya P A	2019-21
25	Jijo Mathew	2018-20	68	Hemi K.M	2019-21
26	Josnamol Jacob	2018-20	69	Jain Mary John	2019-21
27	Leya Sunny	2018-20	70	Jaseela Jabbar	2019-21
28	M Nandha Kumar	2018-20	71	Jeemon T D	2019-21
29	Manjima. V.R	2018-20	72	Jerry C James	2019-21
30	Maria Shaji	2018-20	73	Jestina Jose	2019-21
31	Martin Siby	2018-20	74	Jewel George Benny	2019-21
32	Melvin Thomas	2018-20	75	Jiji Berchmance	2019-21
33	Niya Tomy	2018-20	76	Jiya Martin	2019-21
34	Rahul Viswan	2018-20	77	Jobin James	2019-21
35	Rishab Johnson	2018-20	78	Joel Thaliyachira John	2019-21
36	Romal Jose	2018-20	79	Kavya Shibu	2019-21
37	Rose Mary Baby	2018-20	80	Libin Mathew	2019-21
38	Shalini Gigi	2018-20	81	Lino Saju	2019-21





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39	Soumyamol Michael	2018-20	82	Maria Scaria	2019-21
40	Sreekutty Rajan	2018-20	83	Mathews Benny	2019-21
41	Sruthi G	2018-20	84	Mekha Murali	2019-21
42	Tony Thomas	2018-20	85	Merlin Jose	2019-21
43	Yadhukrishnan .B	2018-20	86	Minnu Polachan	2019-21
			87	Nowfal Basheer	2019-21
			88	Rhith R	2019-21
			89	Rony Joseph	2019-21



**Report on webinar on ‘Reverse Migration Challenges and Opportunities’  
conducted on 29<sup>th</sup> May 2020**

1. Introduction:

Webinar on ‘Reverse Migration Challenges and Opportunities’: Dr. S. Irudaya Rajan , Professor, Centre for Development Studies (CDS), Kerala, spoke on the topic “Reverse Migration Challenges and Opportunities in the context of Covid -19” on 29<sup>th</sup> May at 10 am. Thanks to Dr Cyriac Joseph and Ms. Ambily Jose for coordinating the session.

2. Program Objective

The topic, ‘Reverse Migration Challenges and Opportunities’ in the context of Covid - 19. The topic gave an insight about how the migration of immigrant labors took place during the two months of lockdown in India context.

3. Program Description

Gain of the core businesses shifts in the job markets and hard hits on certain businesses were brilliantly explained with data. Webinar was noticed by participation from professionals and active interactions.

4. Program Out comes

The topic gave an insight about the difficulties faced by the Immigrant labors movement from one state to their native place travelling by foot without the help of Transportation.

5. Conclusion

The webinar was arranged by Dr Cyriac Joseph Dean, MBA department followed by the vote of thanks by Ms Ambily Jose, Assistant professor .



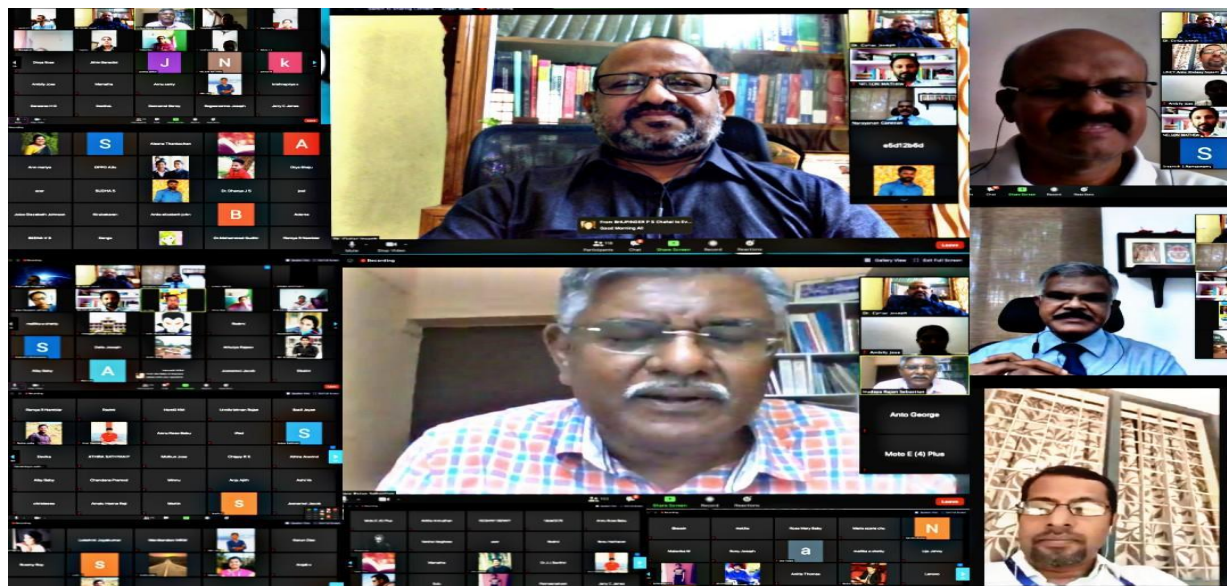
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*Webinar on 'Reverse Migration Challenges and Opportunities' conducted on 29<sup>th</sup> May 2020*





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9	Amal Sunny	2018-20	52	Amal N S	2019-21
10	Amalu Hanna Reji	2018-20	53	Anjali Venugopal	2019-21
11	Annu Rose Babu	2018-20	54	Ann Mariya Babu	2019-21
12	Ansi PS	2018-20	55	Annu Santy	2019-21
13	Anuroopa Viswanathan	2018-20	56	Anto George	2019-21
14	Aris K.N	2018-20	57	Athira Aravind	2019-21
15	Ashmi Baby	2018-20	58	Athulya M R	2019-21



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16	Athira Sathyan P	2018-20	59	Chandana Pramod	2019-21
17	Athulya Rajeev	2018-20	60	Devika P Nair	2019-21
18	Basil Jayan	2018-20	61	Divya Rose K.B	2019-21
19	Basil Reji	2018-20	62	Diya Shaju	2019-21
20	Bensen Benny	2018-20	63	Eldho Thankachan	2019-21
21	Bhavya Das	2018-20	64	Fathima Muhsina I	2019-21
22	Christeena Thankachan	2018-20	65	Fazil Shamsudheen	2019-21
23	Della Joseph	2018-20	66	Gayathry M S	2019-21
24	Dennamol Benny	2018-20	67	Gowripriya P A	2019-21
25	Jijo Mathew	2018-20	68	Hemi K.M	2019-21
26	Josnamol Jacob	2018-20	69	Jain Mary John	2019-21
27	Leya Sunny	2018-20	70	Jaseela Jabbar	2019-21
28	M Nandha Kumar	2018-20	71	Jeemon T D	2019-21
29	Manjima. V.R	2018-20	72	Jerry C James	2019-21
30	Maria Shaji	2018-20	73	Jestina Jose	2019-21
31	Martin Siby	2018-20	74	Jewel George Benny	2019-21
32	Melvin Thomas	2018-20	75	Jiji Berchmance	2019-21
33	Niya Tomy	2018-20	76	Jiya Martin	2019-21
34	Rahul Viswan	2018-20	77	Jobin James	2019-21
35	Rishab Johnson	2018-20	78	Joel Thaliyachira John	2019-21
36	Romal Jose	2018-20	79	Kavya Shibu	2019-21
37	Rose Mary	2018-20	80	Libin Mathew	2019-21



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## COLLEGE OF ENGINEERING & TECHNOLOGY

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	Baby				
38	Shalini Gigi	2018-20	81	Lino Saju	2019-21
39	Soumyamol Michael	2018-20	82	Maria Scaria	2019-21
40	Sreekutty Rajan	2018-20	83	Mathews Benny	2019-21
41	Sruthi G	2018-20	84	Mekha Murali	2019-21
42	Tony Thomas	2018-20	85	Merlin Jose	2019-21
43	Yadhukrishnan .B	2018-20	86	Minnu Polachan	2019-21
			87	Nowfal Basheer	2019-21
			88	Rohith R	2019-21
			89	Rony Joseph	2019-21
			90	Roshny Benny	2019-21
			91	Rosmy Roy	2019-21
			92	Saranya B Nair	2019-21
			93	Seethal Omanakuttan	2019-21
			94	Sreemol K M	2019-21
			95	Sruthy Joby	2019-21
			96	Sulumol Salim	2019-21
			97	Unnikrishnan Rajan	2019-21
			98	Vijayalakshmi P S	2019-21
			99	Vincent Jose	2019-21
			100	Vinny Moni James	2019-21





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**ONLINE TRAINING**

Resource Person  
**Mr. Sreejan**  
Application Engineer  
interCAD Systems Pvt Ltd  
Trivandrum

## Introduction to Analysis Software ISRO FEAST

**21<sup>st</sup> August  
2020**  
11.00 am - 12.00 noon

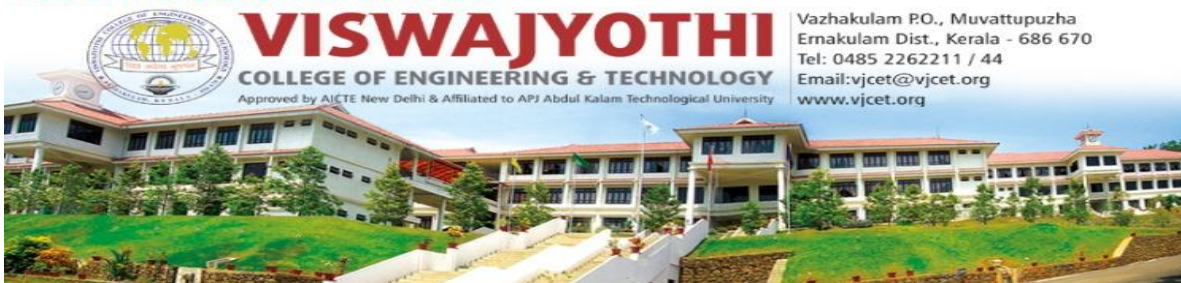
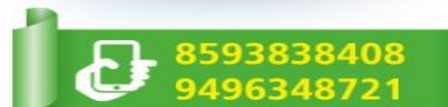


Google Meet

iki-zrfg-nhn



Organised by  
**MECHANICAL ENGINEERING ASSOCIATION**  
in association with  
**INDUSTRY INSTITUTE INTERACTION CELL (IIIC),  
R&D & INTERCAD SYSTEMS PVT. LTD.**



Vazhakulam P.O., Muvattupuzha  
Ernakulam Dist., Kerala - 686 670  
Tel: 0485 2262211 / 44  
Email: [vcjet@vcjet.org](mailto:vcjet@vcjet.org)  
[www.vcjet.org](http://www.vcjet.org)

*Proof for Online Training Program*



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Email: vjcet@vjcet.org  
www.vjcet.org

**Conceptia-KONNECT**  
www.ckconnect.in

### Department of Mechanical Engineering in association with Industry Institute Interaction Cell, VJCET

is organising a  
webinar on the topic

**What Industry needs from Engineering Graduates!!**

by



**Mr. Vinay S**

Manager- Education & Training

Date : 24-07-2020

Time :10am to 12:00pm

Conceptia Software Technologies Pvt Ltd.

#### Karnataka

#22, 2nd Floor, 100 Feet Road,  
6th Block 3rd Phase,  
BSK 3rd Stage  
Bangalore - 560 085  
Phone : +91 8041 558 618  
Email : info@ckconnect.in

#### Tamil Nadu

Plot# 12c/1, Dhwarco Enterprises -  
South Phase, 3rd Cross Street,  
Industrial Estate, Guindy,  
Chennai - 600032. Tamil Nadu  
Email : info@ckconnect.in  
Landline : 044- 43805070

#### Kerala

Building No. XXIV/40 A, First Floor, Cochin  
University Road, South Kalamassery.  
Kochi - 682 022  
Email : abin.k@ckconnect.in  
Phone : 8078495273



*Proof for Organizing Webinars on Relevant Topics*





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**LIVE**  
**WEBINAR**



## 3D Printing and Medical Applications

**15<sup>th</sup> June**  
**2020**  
10.00 am - 11.00 am



**Resource Person**

**Dr. Praveen A.S.**

Asst. Professor – Research,  
Department of Mechanical Engineering  
Vel Tech Rangarajan Dr. Sagunthala  
R&D Institute of Science and Technology  
Chennai



<https://meet.google.com/poo-aqde-prd>

Google Meet



**Organised by**

**DEPARTMENT OF MECHANICAL ENGINEERING**



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*Proof for Organizing Webinars on Relevant Topics*





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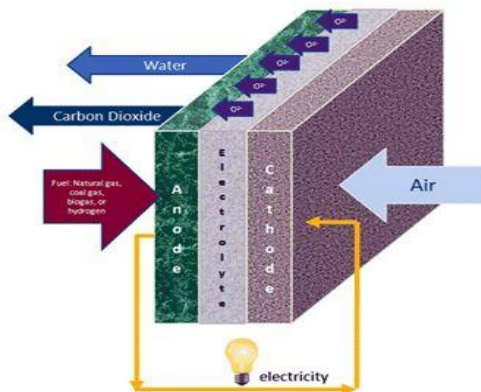
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### WEBINAR

## Fuel Cells: Energy of the future

**16<sup>th</sup> June 2020**  
11.00 am - 12.00 noon



Resource Person

**Dr. Rajesh Baby**

Associate Professor and HOD  
Department of Mechanical Engineering  
St. Joseph's College of  
Engineering and Technology, Palai



<http://meet.google.com/xad-gzjg-wcr>

Google Meet



Co-ordinators

Dr. Shunmugesh K (HOD, MED)  
Mr. Tijo Jose (AP, MED)

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**“Moulding Engineers par excellence with integrity,  
fairness and human values”**

**AN EXPERT TALK  
ON**

**“IMPORTANCE OF BRIDGING THE  
GAP BETWEEN INDUSTRY AND  
ACADEMICS”**

**28<sup>th</sup> - January - 2020**



**Venue: Civil Seminar hall**

**Date: 28-01-2020 (Tuesday)**

**Time: 11:30AM**



***Proof for Organizing Expert Talks on Relevant Topics***



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### 5. Students Seminars - Participative Learning

DEPARTMENT OF MECHANICAL ENGINEERING  
VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY  
VAZHAKULAM-686670



#### CERTIFICATE

This is to certify that the report entitled **FLUORIDE-ION BATTERY**, submitted by **JOSEPH BENNY KUDIYIRICAN**, S7 ME, VJC16ME082 to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide record of the seminar presented by him.

GUIDE

Asst. Professor

Mr. Frenosh K Francis

COORDINATOR

Asst. Professor

Mr. Abraham Antony

HEAD OF THE DEPT.

Associate Professor

Mr. Vinoj K

*Proof for Seminar Report - Certificate Page*





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### DEPARTMENT OF MECHANICAL ENGINEERING VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY VAZHAKULAM-686670



#### CERTIFICATE

This is to certify that the report entitled **UNDERWATER ROBOTICS**, submitted by **ROHAN JOSE KURIAN**, S7 ME, VJC16ME113 to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide record of the seminar presented by him.

GUIDE

Asst. Professor

Mr. Ajo Issac John

COORDINATOR

Asst. Professor

Mr. Abraham Antony

HEAD OF THE DEPT.

Associate Professor

Mr. Vinoj K

*Proof for Seminar Report - Certificate Page*



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### 6. Industrial Study Missions Proof- Experiential and Participative Learning



## MALABAR SPINNING & WEAVING MILLS

(A unit of Kerala State Textile Corporation Limited)

"ഭരണ ഭരണ മാതൃ ഭരണ"


---

Innovation - genetic code: impossible - null code

MSWM/PER/2018-19/1974.

25 JAN'19

Today, (25-01-2019, Friday) 111 students of S6 Mechanical Engineering (2016-2020 batch) and 6 staff members of Viswajyothi College of Engineering and Technology Vazhakkulam visited Malabar Spinning and weaving Mills, Thiruvannur from 10.00AM to 12.00PM.



For MALABAR SPINNING & WEAVING MILLS  
For KERALA STATE TEXTILE CORPORATION LTD.

*V. P. P.*  
25/1/19  
UNIT-IN-CHARGE

*Proof for Industrial Study Missions*



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CIN : U27310KL1991PTC006026

**Peekay Steel Castings (P) Limited**

Nallalam, Calicut, Kerala, India-673027  
Tel : 0495-2421701, 2421703, 2422500 Fax: 0495-2420724  
Email: info@peekaysteel.com, Web : www.peekaysteel.com


PKRM/CER/TR/2019/5

January 25, 2019

**TO WHOM IT MAY CONCERN**

This is to certify that the B.tech Mechanical Engineering students, batch A&B of 2016-2020, along with 6 faculties of Viswajyothi College Of Engineering and Technology, Vazhakulam, Muvattupuzha has done an industrial visit in our company on 25-01-2019.

For Peekay Steel Castings (P) Ltd;

  
Jenil Jose  
Deputy Manager- Human Resources

***Proof for Industrial Study Missions***



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### 7. Internship and Industrial Training -Proof- Problem Solving Methodologies, Experiential And Participative Learning

ISO 9001 Unit  
RIGHT TO INFORMATION

**एचएमटी मशीन टूल्स लिमिटेड**  
(एचएमटी लिमिटेड को संपूर्ण स्वामित्वपूर्ण अंगुली)  
(भारत सरकार का दफ्तर)  
एचएमटी कॉलोनी रोड, कन्नूर जिला  
वर्गकूलम पोस्ट, 683 503, केरल  
दूरभाष: 0484-2540731 (9 लाइनर्स)  
फैक्स: 0484-2532166  
ईमेल: mtk@hmtmachine.com  
वेबसाइट: www.hmtmachine.com

**HMT MACHINE TOOLS LTD**  
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(A Government of India Undertaking)  
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Ernakulam Dist., 683 503, Kerala  
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Fax: 0484-2532166  
Email: mtk@hmtmachine.com  
Website: www.hmtmachine.com

Ref: MTK/HRM/TC-IF

Date: 16.06.2018

### CERTIFICATE

This is to certify that Mr.VAISAKH.U.S, Reg No. VIC17ME100

2<sup>ND</sup> Semester BTECH in MECHANICAL ENGINEERING student of

VISWAJYOTHI COLLEGE OF ENGINEERING, VAZHAKULAM has undergone

Industrial Familiarization Training from 04-06-2018 to 16-06-2018 in our

organization.



For HMT Machine Tools Limited



(N RAJAPPAN ASARI)  
DEPUTY GENERAL MANAGER (HR)

*Proof for Internships and Industrial Training by the students*





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### KERALA STATE ROAD TRANSPORT CORPORATION

Office of the Mechanical Engineer, Regional Workshop,  
Thaikkattukara, P.O., Aluva-683106  
Ernakulam (Dist.), Phone & Fax: 0484 - 2624088  
E-mail: rwa@kerala.gov.in

RW8-653/18/ALY

28.08.2018

### CERTIFICATE

This is to certify that, the following 2<sup>nd</sup> semester B.Tech in Mechanical Engineering Students of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY VAZHAKULAM P.O., MUVATTUPUZHA Kerala State have successfully completed Industrial Training from 21.07.2018 to 29.07.2018 at Kerala State Road Transport Corporation, Regional Workshop, Aluva as a part of their study.

Sl.No.	Name	Reg.No.	Days Attended
1,	EMIL JAISON	VJC17ME052	6 days
2,	ASHISH T GEORGE	VJC17ME040	6 days
3,	GOUTHAM S NAIR	VJC17ME061	6 days
4,	JEREMIAH RAJU	VJC17ME072	5 days



  
WORKS MANAGER  
K.S.R.T.C., Regional Workshop  
Aluva-683106

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**FIVE STAR STEEL INDUSTRIES**

**PULIPPARAKKUNNU,  
MANAKULANGARA P.O.,  
KODAKARA, PIN - 680 684.  
PH : 8943266000, 8943236000  
Email: fivestarssteelindustry@gmail.com**

Ref: F/2018/07/1281


Certificate

Date: 03/07/2018

**To Whomesoever It May Concern**

This is to certify that Mr. Rohan N Thekkekkunnel B.Tech student of Viswajyothi college Of Engineering & Technology, Muvattupuzha has successfully completed his on "Industrial Training" in our organization from 11-06-2018 to 28-06-2018 as part of his academic curriculum

The performance of Rohan N Thekkekkunnel during the period has been good and we wish him all success in future

  
For FIVE STAR STEEL INDUSTRIES

**FIVE STAR STEEL INDUSTRIES**  
Pulipparakkunnu, Manakulanga P.O.  
Kodakara, Thrissur-680 684

*Proof for Internship and Industrial Training by the students*



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ISO 9001 Unit



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INFORMATION

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(एचएमटी लिमिटेड का पूर्ण स्वामित्वपूर्ण अनुसंधान)

(भारत सरकार का उपक्रम)

एचएमटी इकोनॉमिक डेप, कलामसरी

एमकुलम डिस्ट, 683 503, केरल, भारत

दूरभाष: 0484-2540731 (9 लाइन्स)

फैक्स: 0484-2532166

ईमेल: mtk@hmtmachinetools.com

वेबसाइट: www.hmtmachinetools.com



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(A wholly owned subsidiary of HMT Limited)

(A Government of India Undertaking)

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Emakulam Dist., 683 503, Kerala, INDIA

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Fax: 0484-2532166

Email: mtk@hmtmachinetools.com

Website: www.hmtmachinetools.com

Ref: MTK/HRM/TC-IF

Date: 16.06.2018

## CERTIFICATE

This is to certify that **Mr. JOSE THOMSON**, Reg No. **VJC17ME076**  
**2<sup>ND</sup> Semester BTECH in MECHANICAL ENGINEERING** student of  
**VISWAJYOTHI COLLEGE OF ENGINEERING, VAZHAKULAM** has undergone  
**Industrial Familiarization Training** from **04-06-2018** to **16-06-2018** in our  
organization.



For HMT Machine Tools Limited

(N RAJAPPAN ASARI)

DEPUTY GENERAL MANAGER (HR)

*Proof for Internship and Industrial Training by the students*





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## 8. Main Project Report, Project Into Paper, Papers Published- Proof- Problem Solving Methodologies, Experiential and Participative Learning



*Proof for converting Final Year Project into Paper and Publishing in International  
Conference*





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## IC@MACE-2020

INTERNATIONAL COLLOQUIUM ON RECENT TRENDS IN ENGINEERING  
MAR ATHANASIOUS COLLEGE OF ENGINEERING, KOTHAMANGALAM, KERALA, INDIA  
13-14 March 2020

## CERTIFICATE OF APPRECIATION

*This is to certify that the paper entitled*

**Design of Nutmeg Cracker**

*authored by*

**Eldhose Kurian, Eldhose Raju, Albin Paul, Jipil P Chettoor, Harikrishnan A S**

*is published in the proceedings of the International Colloquium organized by Mar Athanasius College of Engineering in association with The Institution of Engineers (India) Kochi Local Centre.*

**Dr. Kurian John**  
Secretary, IC@MACE

**Dr. Brijesh Paul**  
Chairman, IC@MACE



**Dr. Mathew K.**  
Principal, MACE



***Proof for converting Final Year Project into Paper and Publishing in International Conference***



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## 9. Activities regarding Professional Bodies- Participative Learning



*Proof for IEEE Memberships*



# VISWAJYOTHI

## COLLEGE OF ENGINEERING & TECHNOLOGY

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Vazhakulam P.O., Muvattupuzha-686 670, Kerala  
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Email: vjcet@vjcet.org, www.vjcet.ac.in

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## 2020 Certificate of Membership

### IEEE Industrial Electronics Society

*This certificate recognizes*

**UTHARA PRADEEP**

as a Student Member in good standing, denoting  
a personal and professional commitment to the advancement of technology

*...in the company of  
innovators worldwide*



*Terry Martin*

Terry Martin, 2020 IEEE IES President



*Proof for IEEE Industrial Electronics Society Memberships*





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## 2020 Certificate of Membership IEEE Power & Energy Society

*This certificate recognizes*

**UTHARA PRADEEP**

as a Student Member in good standing, denoting  
a personal and professional commitment to the advancement of technology



Frank Lambert,  
2020 IEEE Power & Energy President



*Proof for IEEE Power and Energy Society Memberships*



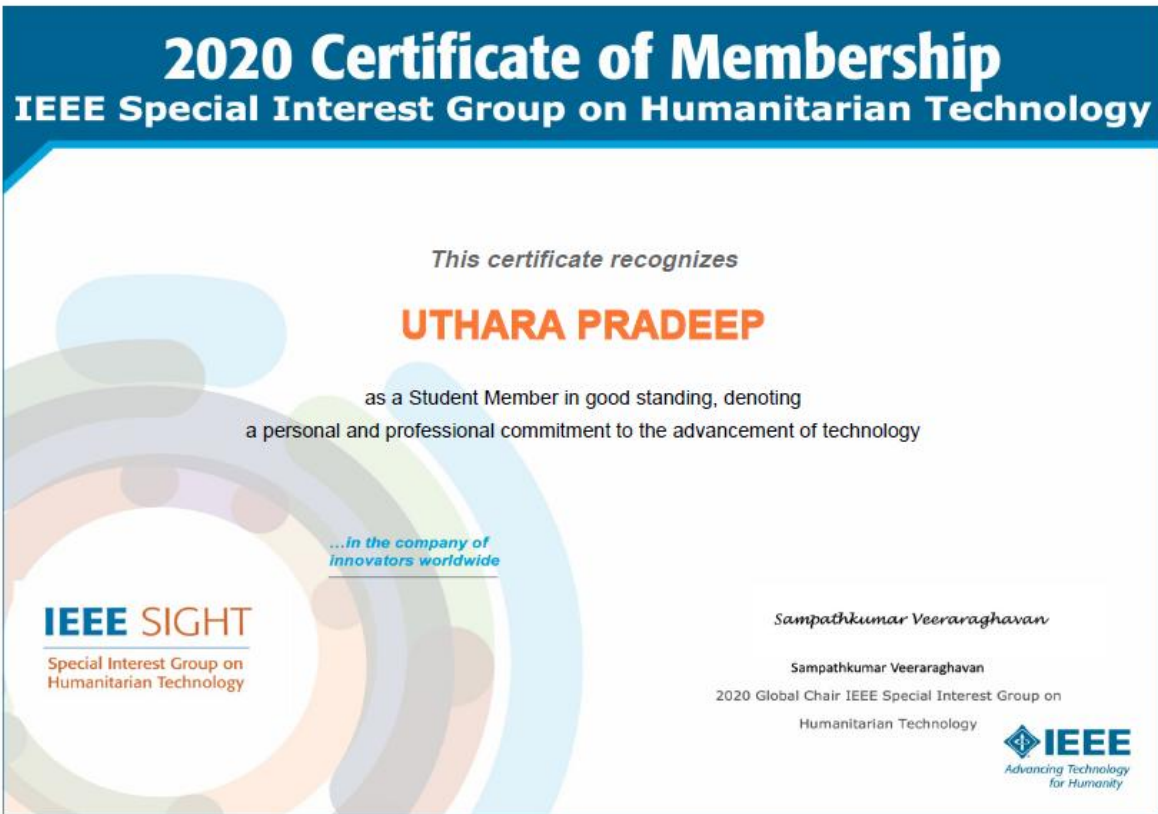
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***Proof for IEEE Special Interest Groups on Humanitarian Technology Memberships***



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## IEEE Women in Engineering 2020 Certificate of Membership

*This certificate recognizes*

**UTHARA PRADEEP**

as a Student Member in good standing, denoting  
a personal and professional commitment to the advancement of technology



*Lisa Lazareck-Asunta*  
Lisa Lazareck-Asunta, 2019 IEEE WIE Chair



***Proof for IEEE Woman in Engineering Memberships***





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## CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

*Uthara Pradeep*

from Viswajyothi College of Engineering and Technology has attended the  
webinar on IEEE Student Activities Awards by Ms. Staji Wilson, Volunteer,  
IEEE Kerala Young Professionals organized by IEEE SB JCET & IEEE IAS SBC  
JCET on 28th March 2020

**Mr. Sanish V S**  
Branch Counselor  
IEEE SB JCET

**Mr. Arun Sankar M V**  
Chairman  
IEEE IAS SBC JCET

**Ms. Raneena Raoof**  
Chairperson  
IEEE SB JCET

*Proof for Participating in the Activities regarding Professional Bodies*



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9/14/2020

IEEE Mail - Fwd: IEEE R10 2020 Special Call for Proposals related to COVID-19 Results Announcement



Albin Paul <albinpaul@ieee.org>

### Fwd: IEEE R10 2020 Special Call for Proposals related to COVID-19 Results Announcement

4 messages

Huynh Thi Thanh Binh <binhht@soict.hust.edu.vn>

Fri, Aug 21, 2020 at 5:09 PM

To: jetsongjoseph@ieee.org, allenpbiju@ieee.org, albinpaul@ieee.org, devika.sijasuresh@gmail.com, utharap@ieee.org, ananthakrishnansnath@ieee.org,

Basil@ieee.org

Cc: saradajk@gmail.com, sunithakhan@ieee.org, r10sac <r10sac@ieee.org>

Dear Allen P Biju, Jetson Joseph, Albin Paul, Govind V Shenoy, Devika Suresh Kumar, Uthara Pradeep, Ananthakrishnan S Nath, Basil Eldhose  
cc Kerala section chair, Sarada Jayakrishnan  
Kerala section Treasure,

I am pleased to announce that IEEE Region 10 Student Activities Committee has concluded the results for IEEE R10 2020 Special Call for Proposals related to COVID-19.

You are the Winner. Congratulations!

Please follow the timeline:

Duration given to organise projects: 30th July – 30th October 2020

Deadline for report submissions: Within one month from the date of event completion. Final date to submit all reports is the 1st of November 2020.

Report evaluation period: 1st November – 30th November 2020

Fund Transfer: 30th November 2020

400 USD for the winner will be transfer to your section.

Best regards

Associate Professor, Huynh Thi Thanh Binh  
Vice Dean of School of Information and Communication Technology  
Hanoi University of Science and Technology  
IEEE R10 Student Activities Committee Chair, 2019-2020  
Homepage: <https://users.soict.hust.edu.vn/binhht/>

----- Forwarded message -----

From: Huynh Thi Thanh Binh <binhht@soict.hust.edu.vn>

Date: Fri, 14 Aug 2020 at 23:01

Subject: IEEE R10 2020 Special Call for Proposals related to COVID-19 Results Announcement

To: Binh Huynh Thanh <binhht@soict.hust.edu.vn>, r10sac <r10sac@ieee.org>, Saaveethya Sivakumar <saaveethya@gmail.com>

Dear Participant,

Thank you for your submission to IEEE R10 2020 Special Call for Proposals related to COVID-19.

<https://mail.google.com/mail/u/17ik-1a462de49a8/view-pt&search=all&permthid=thread-f3a1675634928637320400&siml=msg-f3a1675634928637320400&siml=msg-f3a16756357233639196...> 1/3

*Proof for Participating in the Activities regarding Professional Bodies*



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*Proof for Participating in the Activities regarding Professional Bodies*





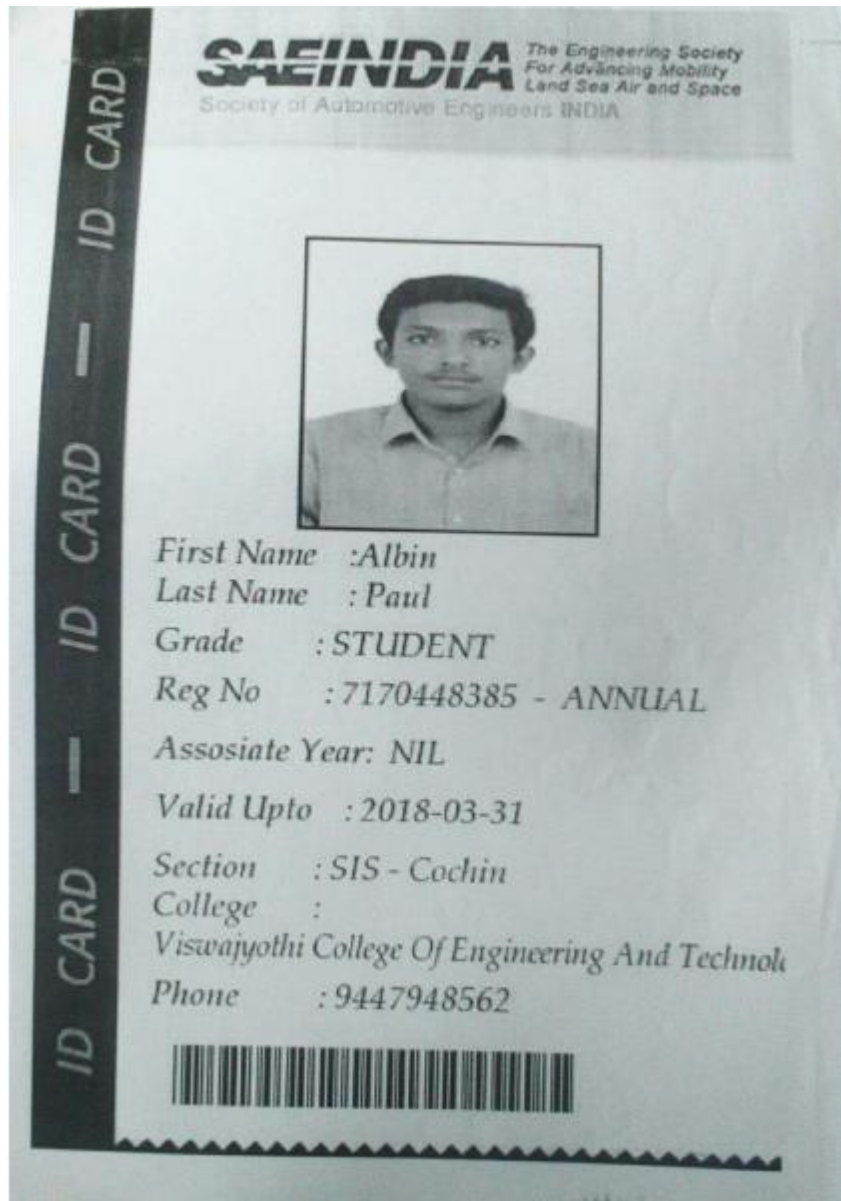
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*Proof for SAEINDIA (Society of Automotive Engineers) Memberships*



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***Proof for SEEM (Society of Energy Engineers & Managers) Memberships***



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9/14/2020

Gmail - Renew your ISHRAE Student Membership for the Society Year 2020-21



ALBIN PAUL <albinpaul101@gmail.com>

### Renew your ISHRAE Student Membership for the Society Year 2020-21

1 message

ishrae@ishraehq.in <ishrae@ishraehq.in>  
Reply-To: v.thakur@ishraehq.in  
To: albinpaul101@gmail.com

Sun, Apr 5, 2020 at 10:34 AM



Toll free : 1800 - 3000 - 4245  
info@ishraehq.in

Dear Mr. ALBIN PAUL,

Membership No: 800082058

Institute Name: Viswajyothi College of Engineering and Technology

Dear Student Member,

Greetings from ISHRAE !

ISHRAE has begun its new Society Year from 1<sup>st</sup> April onwards, a new team has taken over for Student Activities, which will bring all new initiatives for the Student Fraternity all across ISHRAE Student Chapters.

ISHRAE has many Student Members which are spread across the Student Chapters at many Colleges and Technical Institutes throughout the country.

ISHRAE will in this society year provide you a platform to allow you gain valuable knowledge and experience derived from specific activities designed for you, which includes:

**ISHRAE Student Project Grant -PG:** For Post Graduates- ISHRAE Technical Committee selects candidates for submitted Projects, such projects are then financially supported.

**ISHRAE Student Project Grant-UG:** For Under Graduates- ISHRAE Technical Committee selects candidates for submitted Projects, such projects are then financially supported. Last year we had received over 100 projects.

**ISHRAE Job Junction:** Is an initiative by ISHRAE to provide platform for Placement Job Opportunities to fresh graduate engineers & diploma holders and by engaging industry to recruit right personnel. Job Junction is organised in various cities to facilitate students & employers across India.

**Quiz:** An all India quiz competition for the engineering students with focus on HVAC&R is organised by ISHRAE every year and concluded with a Grand Finale during ACREX India.

**NSDC:** National Student Design Competition, for undergraduate students on a theme a select theme, Cash prize is involved, Total four teams are chosen to participate.

**GSPOC:** Global Student Poster design Competition, This is to create and submit a A1 size poster featuring an innovative research in area refrigeration and cold chain industry, Cash prize is involved.

**Webinar:** ISHRAE intends to provide at least 10-12 webinar's for its student members on varied topics.

Student Members are also entitled for 3 Industry/Facility Visits apart from 2 technical talks during their one year of membership.

We are also trying to join hands with Department of Science and technology wherein we will shortlist students from Category B and C colleges and provide them internship opportunities at Category A Colleges, the cost of travel/stay/enrolment expense will be borne by D&T

<https://mail.google.com/mail/u/0/?ik=74d8fce1e5&view=pt&search=all&permthid=thread-F%3A1863107690693218697&siml=msg-F%3A18631076906...> 1/3

**Proof for ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers)  
Memberships**





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### *Certificate of Participation*

**THIS IS TO CERTIFY THAT**

*Albin Paul*

has participated in **Suggest a TAGLINE Contest**  
organized by IEEE Power and Energy Society Student Chapter  
Panimalar Institute of Technology on 25th May 2020.

**Dr.T.Jayanthi**  
Principal

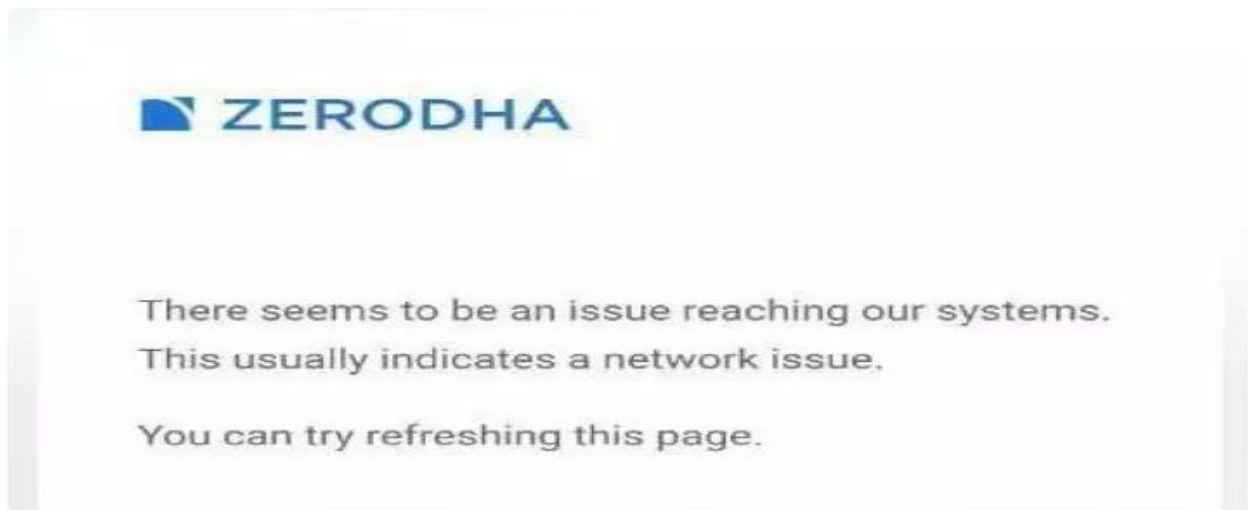
**Dr.M.P.Chitra**  
IEEE Branch Advisor

**Mr.M.Arun**  
IEEE Student Branch Counselor

*Proof for Participating in the Activities regarding Professional Bodies*



## 10. Proof for News and Apps for Daily Updatons- Participative Learning



### India's largest broking site Zerodha faces issues amid IRFC, Indigo Paints IPOs

Several users on Wednesday complained that they were facing issues with India's largest broking site Zerodha. They rushed to place orders for the IPOs of Indian Railway Finance Corporation (IRFC) and Indigo Paints that opened on Wednesday. "This is not the first time it's happening," a user tweeted, while another complained, "I missed IRFC IPO just because of you Zerodha."

short by Pragya Swastik / 20 Jan, 2021



*Proof of Using inshorts App for Daily Updatons and sharing of informative contents*



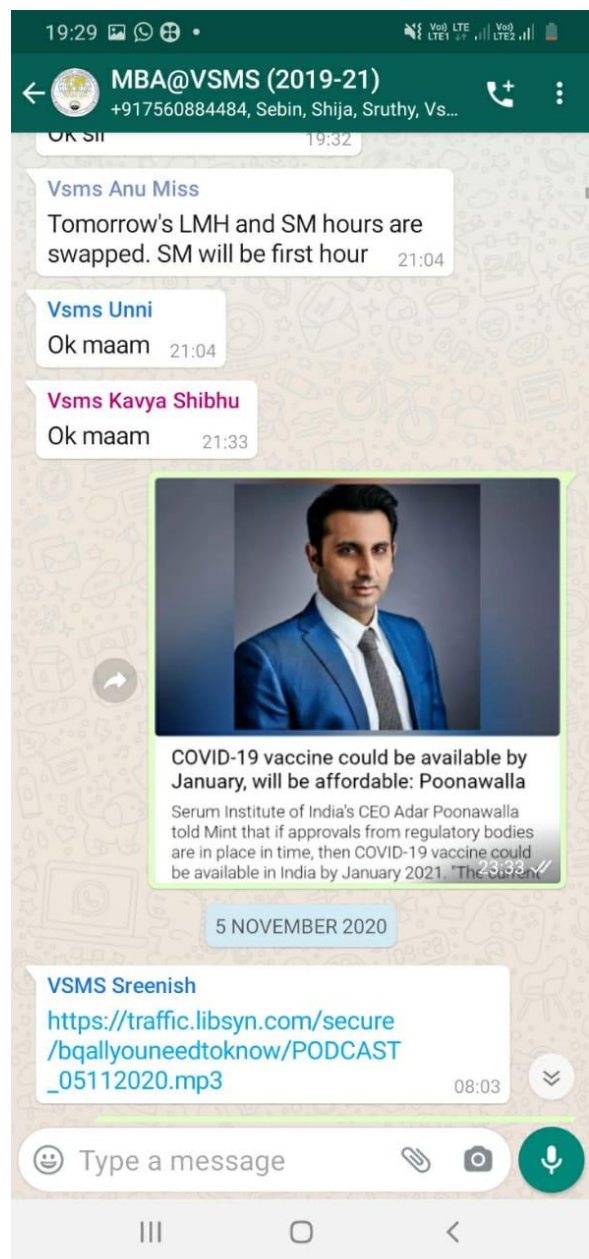
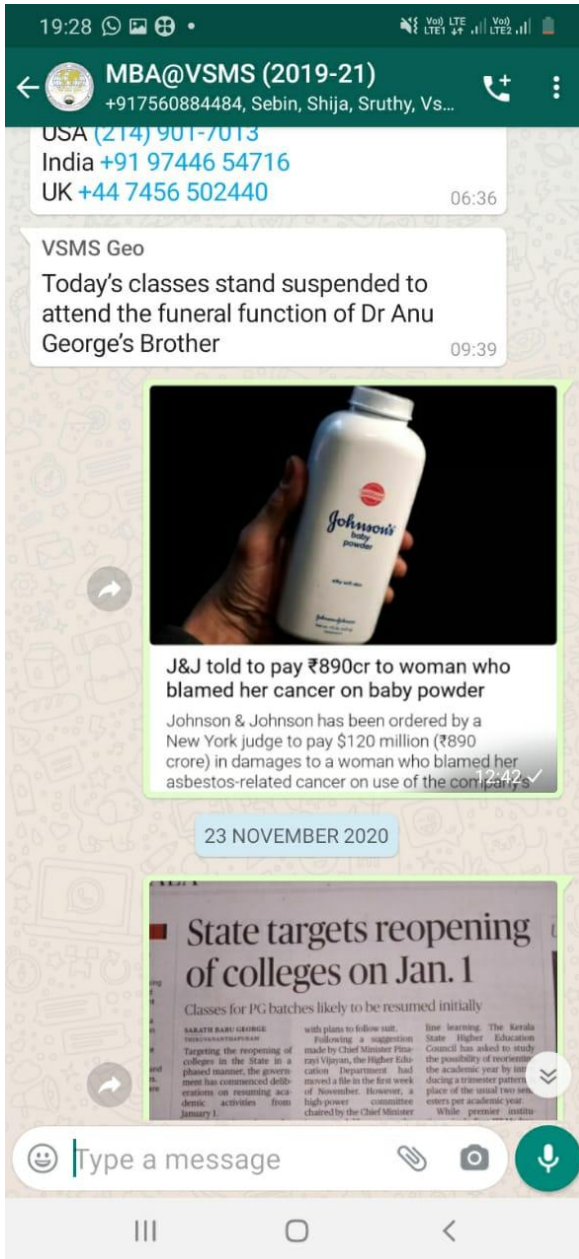
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*Proof of Whatsapp Groups for classes for active discussions and sharing of informative contents*





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## 11. Proof for ICT Enabled Teaching Facilities-Photos- Participative Learning



*Proof for using ICT Enabled Teaching Facilities (ICT Enabled MBA Gallery Classrooms)*



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Vazhakulam, Kerala, India

Research & Development Block, Viswajyothi College of  
Engineering and Technology, Vazhakulam, Kerala 686670, India

Lat N 9° 57' 5.3064"

Long E 76° 37' 48.7416"

23/01/21 09:40 AM

*Proof for using ICT Enabled Teaching Facilities (ICT Enabled R & D Laboratory)*



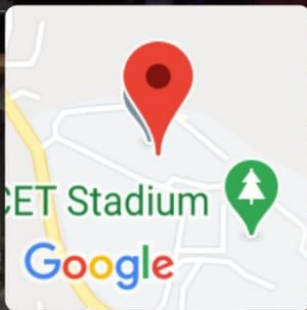
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### Vazhakulam, Kerala, India

B Block, Viswajyothi College of Engineering and Technology,  
Vazhakulam, Kerala 686670, India

Lat N 9° 57' 3.7008"

Long E 76° 37' 50.7396"

06/01/21 03:25 PM

*Proof for using ICT Enabled Teaching Facilities (Electrical CAD Laboratory)*