KARPAGAM INSTITUTE OF TECHNOLOGY
COIMBATORE - 641 105

NEWS LETTER
SMRITI
2020-21
(EVEN)

Department of
INFORMATION TECHNOLOGY

HOD's DESK

Department of Information Technology commits to work towards developing Engineers with a rich blend of competent, technical, managerial and social skills and contribute to nation building. Department takes the initiative to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. To meet the objectives, department pays special emphasis on teaching and hands on practical work. Students exhibit their innovative ideas, skills and potentials as final year projects and have won many awards at University level. The excellent infrastructure, experienced team of faculty dedicates to strengthen effective teaching learning process ensuring quality education. We believe that this approach to teaching-learning, coupled with practical experience gained during Industrial Training in reputed organizations, equips our students to handle the challenges posed by the IT industry.

We as a team resolve to take the Department to heights of success and glory and prepare for the forthcoming challenges.

In IT Dept, our students push intellectual boundaries, enjoy the freedom to experiment, engage in rigorous debate, strive for personal bests, embrace abundant leadership opportunities, learn to overcome obstacles and pray, laugh and grow..

-DR. D. BHANU, M.E., PH.D

Vision of the Institution

To impart quality technical education emphasizing innovations and research with social and ethical values.

Mission of the Institution

- Establishing state-of-the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.

- Creating a conducive environment for nurturing innovative ideas and encouraging research skills.

- Inculcating social and ethical values through co-curricular and extra-curricular activities

Vision of the Department

To produce technically competent and skilled engineers to meet the challenges of the IT industry.

Mission of the Department

- Establishing innovative teaching learning practices with competent faculty and state of the art facilities.

- Enriching knowledge on latest technological advancements through industrial collaborations.

- Developing moral and ethical values through extension activities.

SEMINARS, SYMPOSIUMS, GUEST LECTURES AND WORKSHOPS ORGANIZED

Department of IT&IIC Jointly organized the Webinar on " INNOVATIVE SOFTWARE GAMING DEVELOMENT TO BECOME AN ENTREPRENEUR " on 09.04.2021
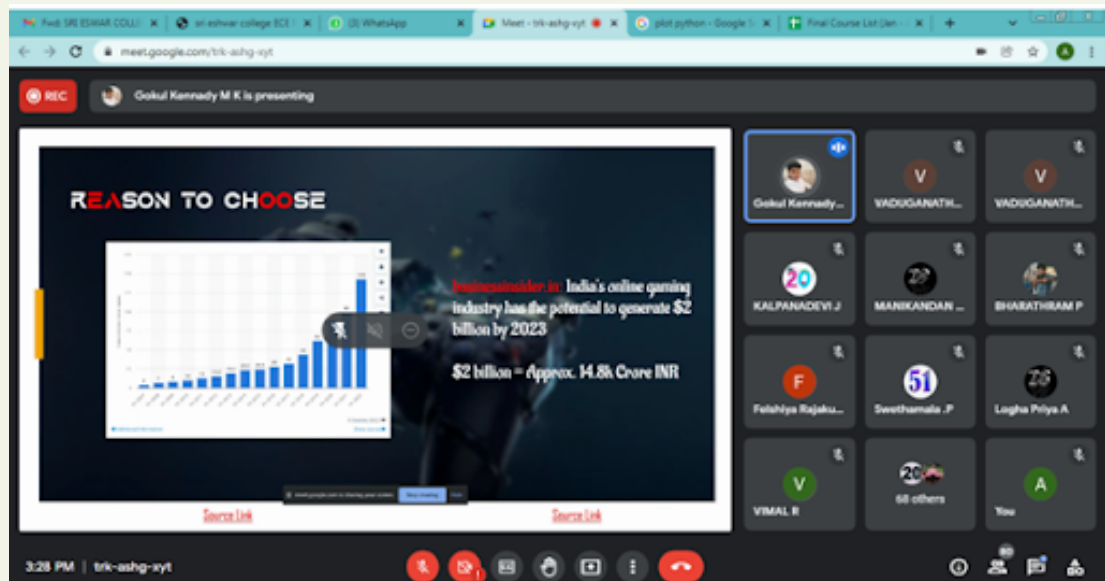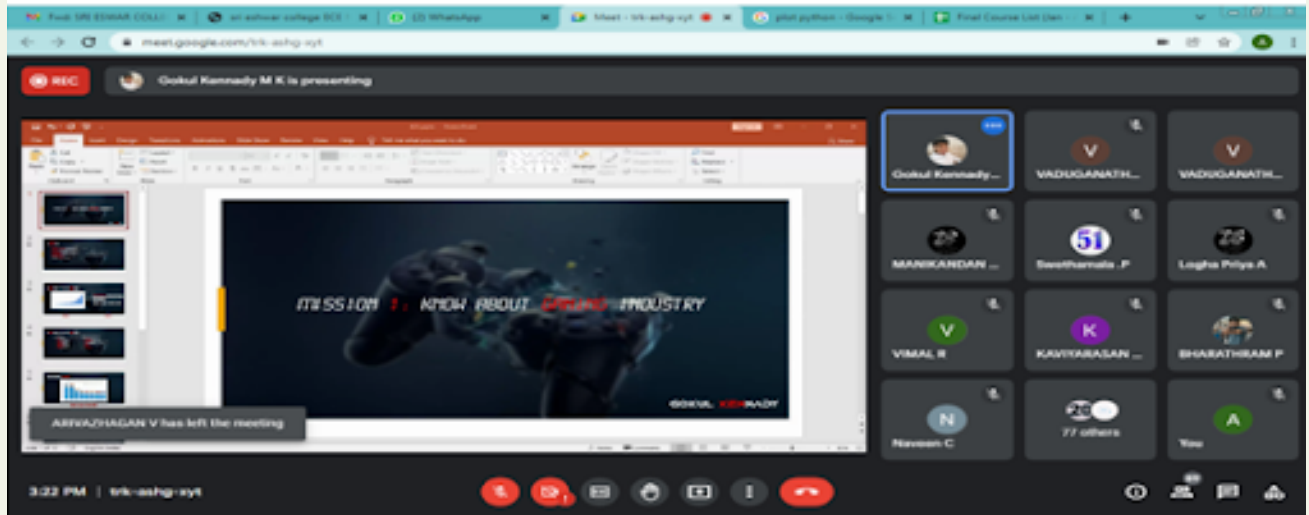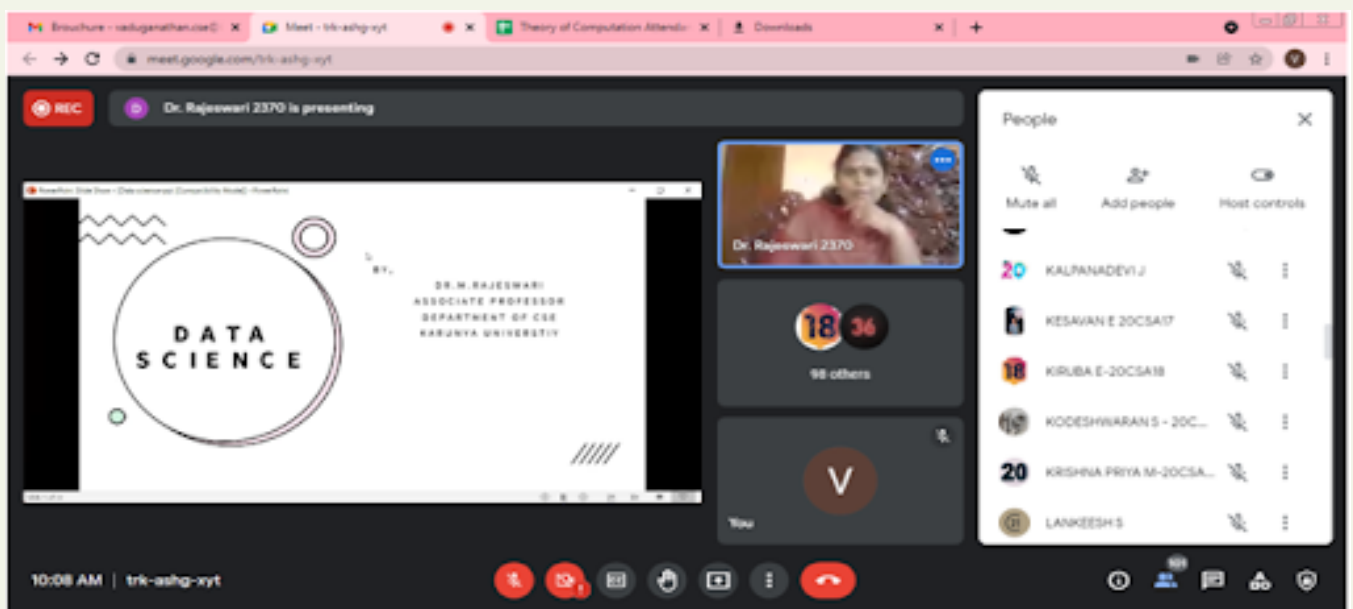

Resource person shared about revenue of Gaming Industry On behalf of KIT, Department of Information Technology, Karpagam Institute of Technology & Institution's Innovation Council, Jointly organized a Webinar on Innovative Software Gaming Development to Become an Entrepreneur on 9.04.2021. Mrs.M.Sudha,AP/IT gave welcome address and Chief Guest Introduction. The session was handled by the Resource Person Mr.M.K.Gokul Kennady, Quality Assurance Analyst, Hitwicket, Hyderabad.
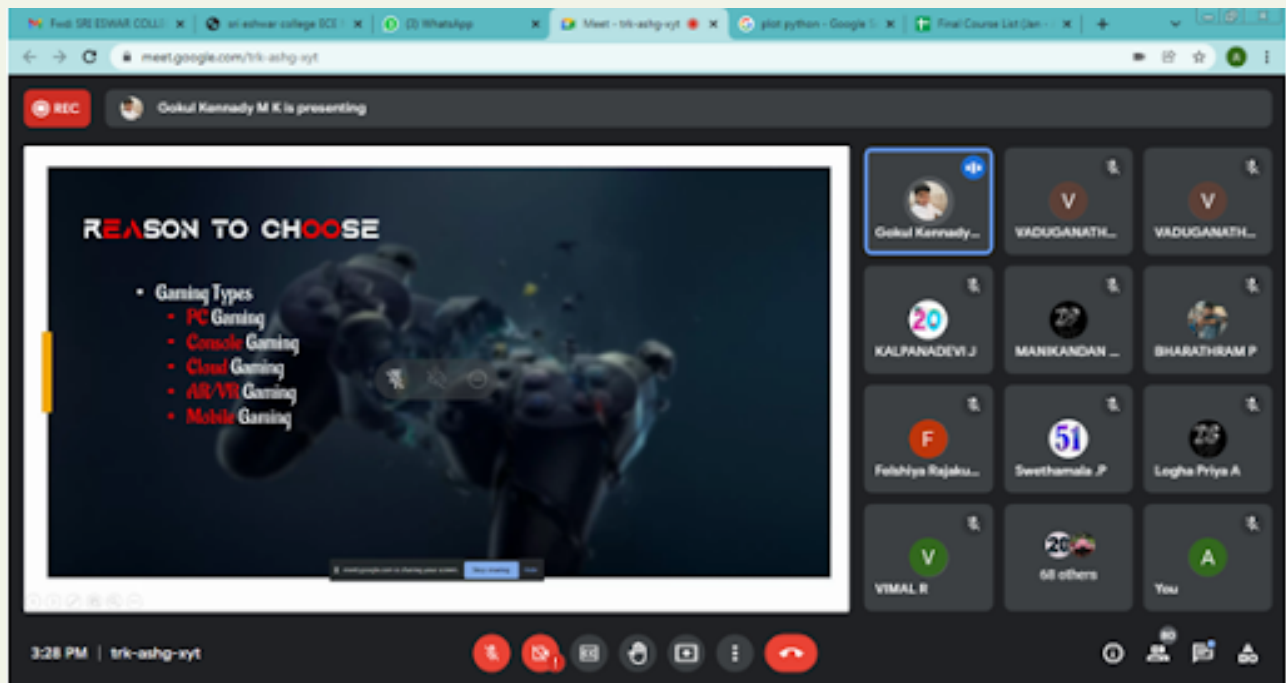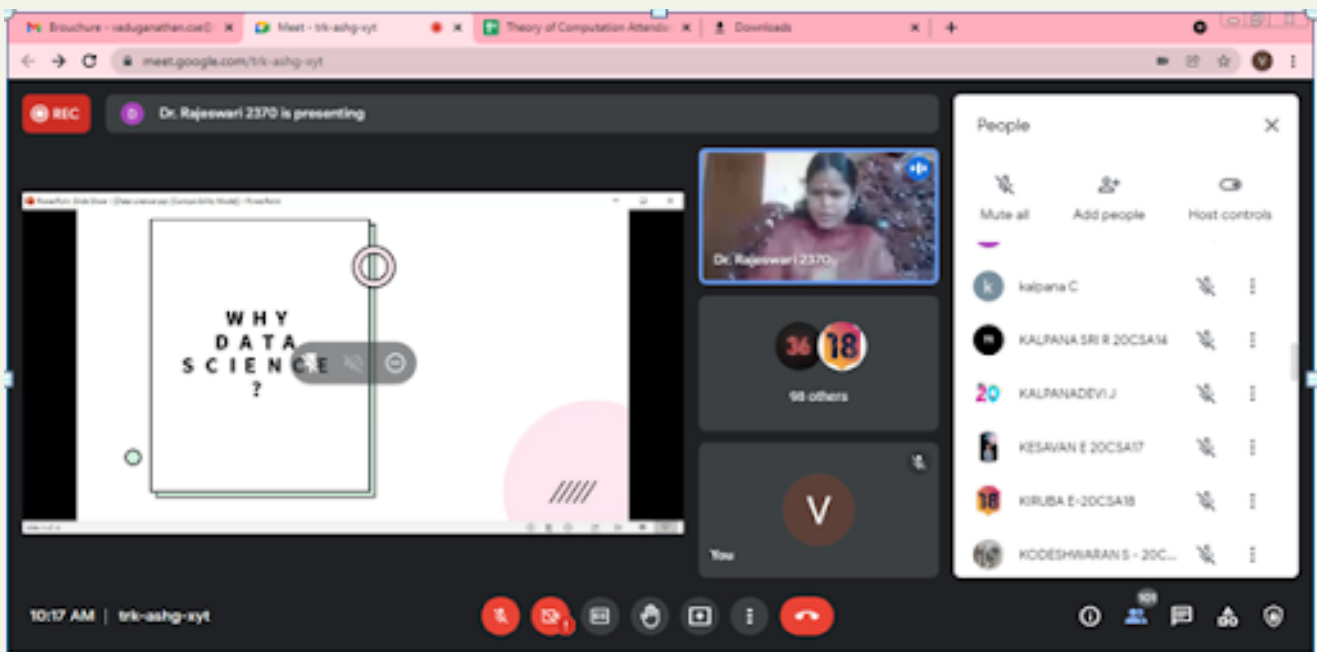
Resource person shared about revenue of Gaming Types

IIC & Departmenent of IT organized the webinar on "DATA SCIENCE TO ALL" on 15.03.2021


Dr.M.Rajeshwari, Associate Professor, Department of IT, Karunya University presenting slides

Department of Information Technology, Karpagam Institute of Technology & Institution's Innovation Council Jointly organized a Webinar on Data Science to all to become data scientist on 15.03.2021. Faculty Coordinator Mrs.M.Sudha,AP/IT welcome the gathering and gave welcome address. Faculty Coordinator Dr.C.Vimalarani ASP/IT introduces Chief Guest to the gathering and gave brief introduction about her. The session was handled by the Resource Person Dr.M.Rajeswari, Professor, Department of Computer Science and Engineering, Karunya Institute of Technology, Coimbatore.
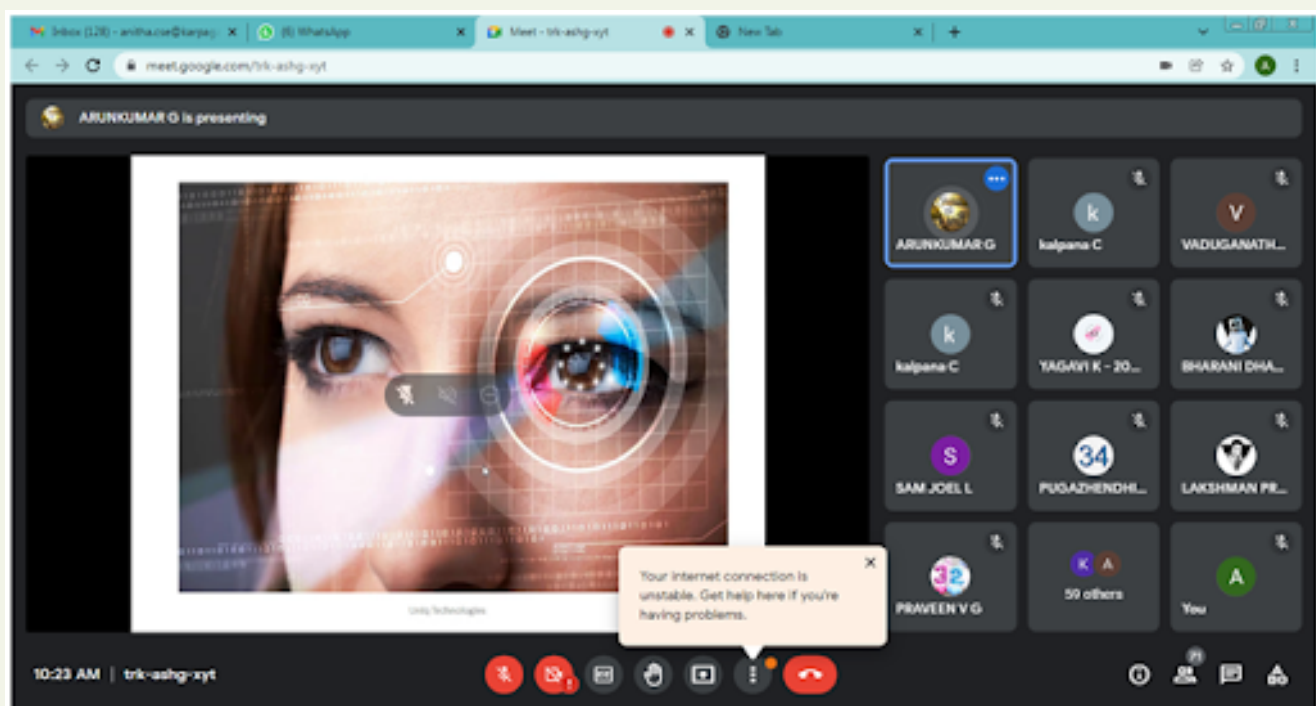
IIC & Departmenent of IT organized the one day Workshop on "INNOVATIVE REAL TIME PROJECTS USING IOT" on 16.02.2021.
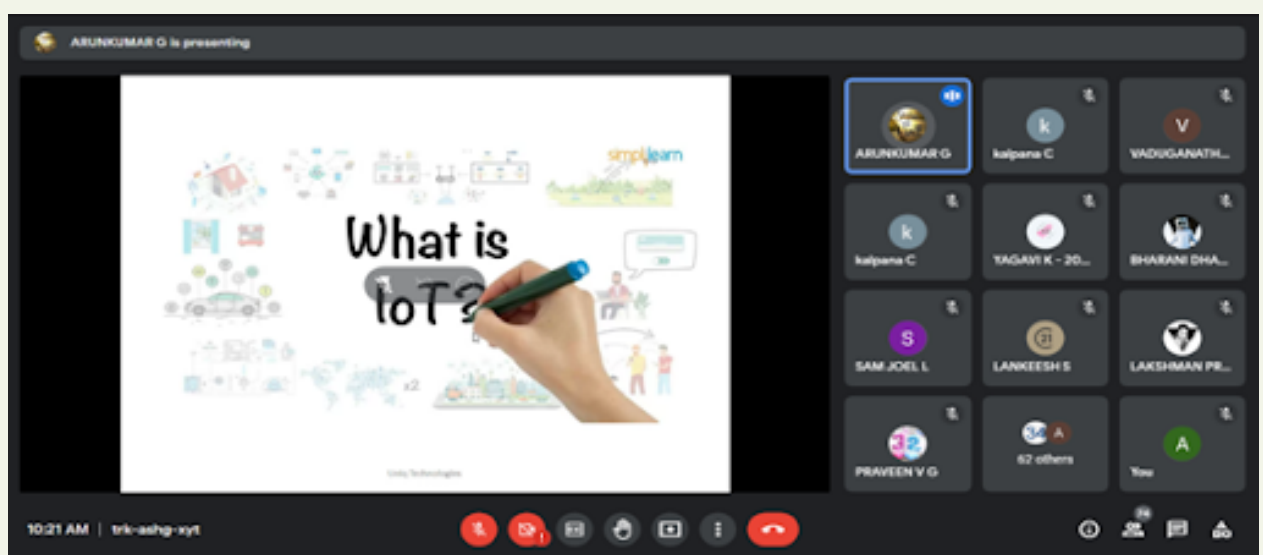
**Resource Person Mr.G.Arunkumar discussed about IOT**
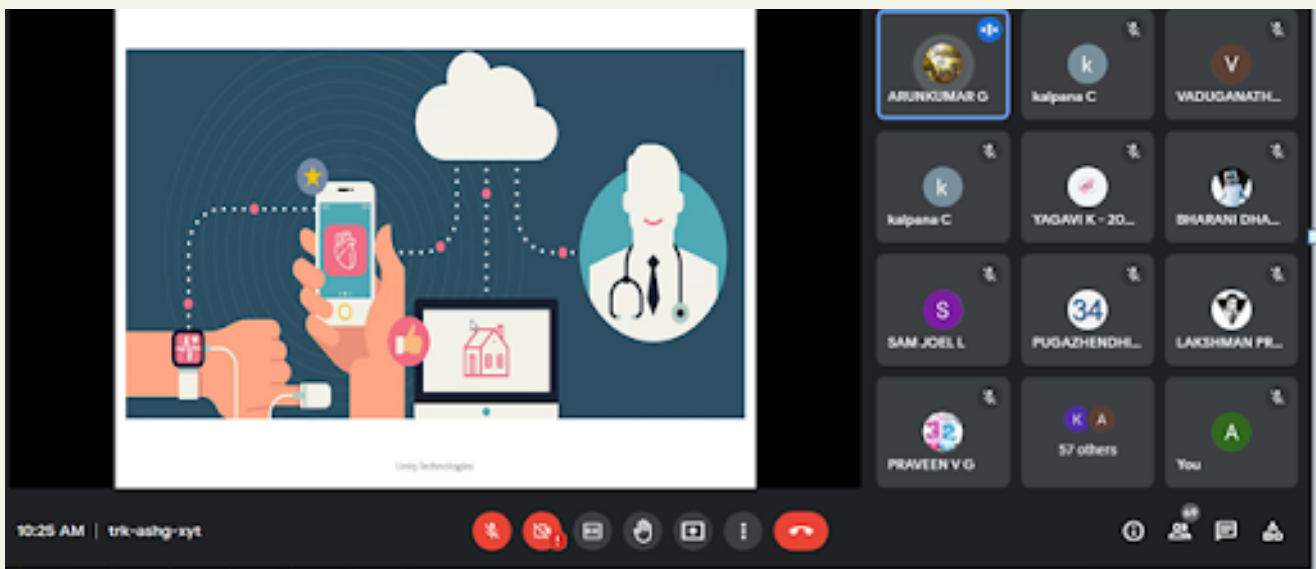
Resource person shared about IOT Projects

The session was handled by the Resource person Mr.G.Arunkumar, Embedded Developer, Uniq Technologies, Chennai. This Workshop is an eye-opener for the students and faculty to innovate their IOT products. The resource person shared the current trends of IOT, Importance of IOT, Innovative Projects in IOT, Embedded based IOT. Also his talk includes Usage of Cloud server in IOT, Arduino Based IOT, Real Time Applications in IOT like Smart House, List of Microcontroller Boards, MicroChip PIC Product and ARM Product. In Second Session Resource person shared simulation tools in IOT, Simulation of various sensors in IOT.

IIC & Departmenent of IT organized the webinar on "WEB DEVELOPMENT USING REACT JS" on 25.02.2021.
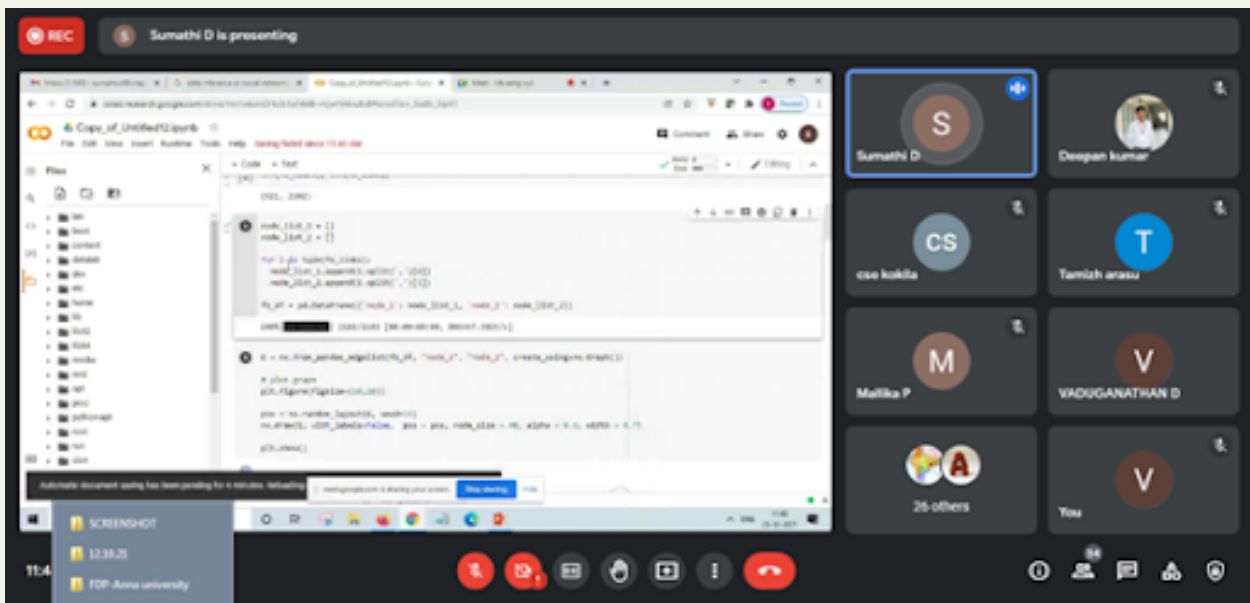

Resource person Mr. S.Subramani teaching to create a web application
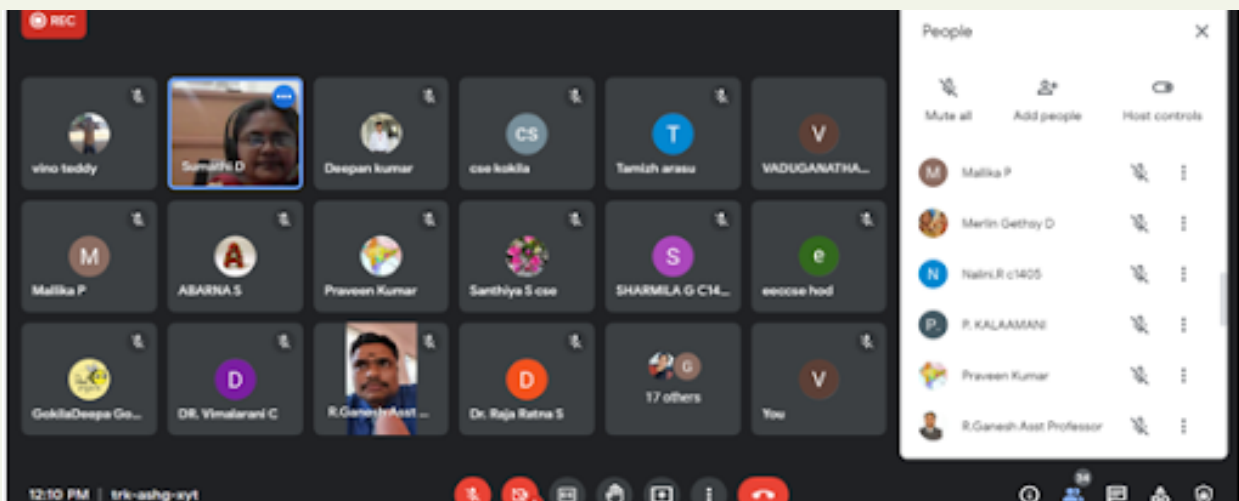
Resource person speech about reactjs

The session was handled by our Resource Person Mr.S.Subramani Immar Technologies Pvt ltd. During session, he talked about the web development using Reactjs. He informed a benefits and application of web development. He thought how to create a dynamic web application specifically with HTML strings was tricky because it requires a complex coding, but React JS solved that issue and makes it easier. React JS has also gained popularity due to the presence of a handy set of tools. These tools make the task of the developers understandable and easier. The React Developer Tools have been designed as Chrome and Firefox dev extension and allow you to inspect the React component hierarchies in the virtual DOM.

IIC & Departmenent of IT Jointly organized the webinar on "INNER AND OUTER ENVIRONMENT CONNECTED" on 23.03.2021.
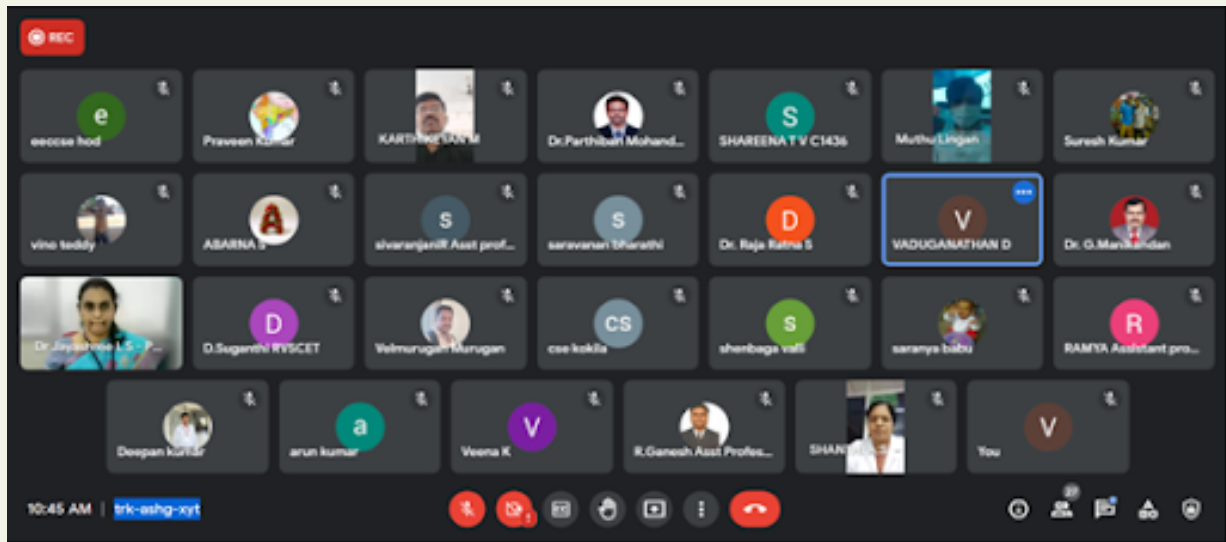
Resource person Dr. Ezhilrasi talking about the importance of meditation
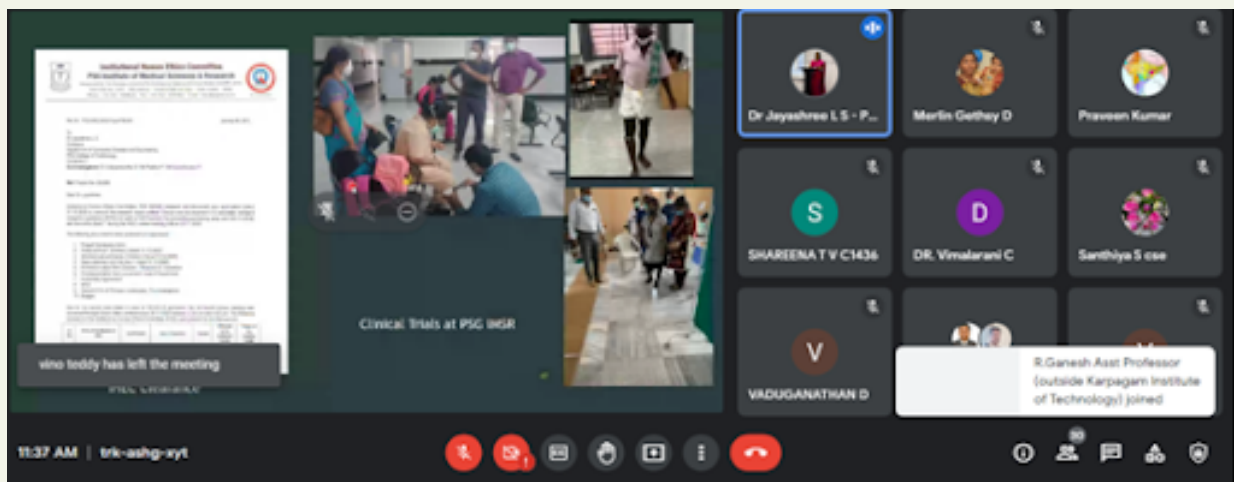
Faculty coordinator of event Mr.B.Madhusudhanan,AP/IT gave welcome address and Introduced Chief Guest to the gathering. The session was handled by our Resource Person Dr. Ezhilrasi, Academic dean, Department of EEE, Karunya Institute of Technology, Coimbatore. During session, she talked about the safety of environment. The session helps the students to improve responsibilities towards environment and to protect our outer environment. We learnt to preserve and enhance the environment for the well-being of people throughout the world. Also our resource person talks about how to achieve peace in the inner environment and thereby peace in the outer environment. Learning the simple practice of meditation can help promote inner peace, brotherhood, and oneness.

IIC & Department of IT jointly organized the orientation session on "PRE INCUBATION AND INCUBATION" on 25.03.2021.
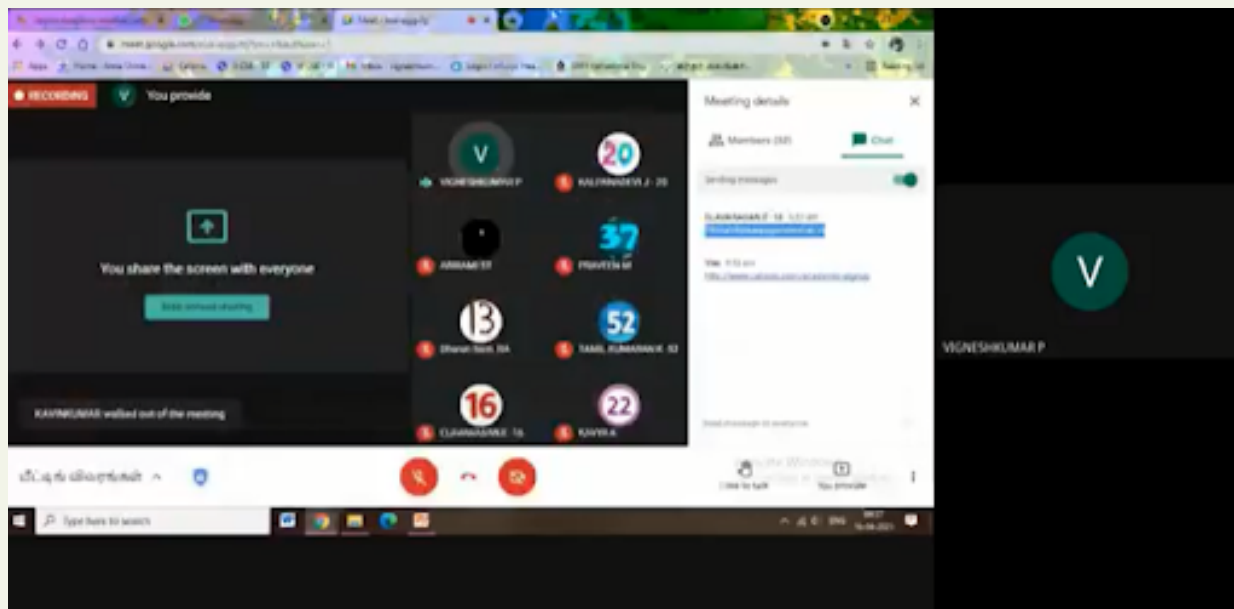
Ms. M.Sudha, AP/IT gave welcome address and Chief Guest Introduction. The session was handled by the Resource Person Mr. M.Prabhu, Business Architect. The resource person provides insights on importance of startups and procedure to register a startup. Also he gave detailed information on various government schemes that an individual can avail for the startups. The session was very useful for the students. At the end of the session, Question Answer (QA) session was conducted, In QA session Students clarified their doubts and feedback form was collected from the students. Finally the vote of thanks was given by Ms. A. Mahalakshmi, AP / IT.

IIC & Department of IT jointly organized the webinar on "ROADMAP TO BECOME A SUCCESSFUL ENTREPRENEUR" on 22.05.2021
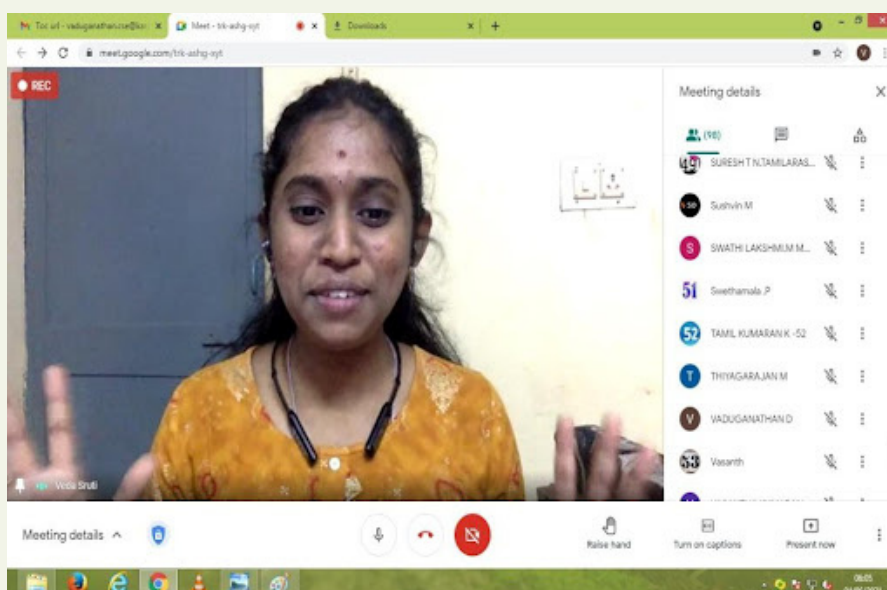
Ms.VedaSruti, IOS Developer, Addressing about successful Entrepreneur

The session was handled by the Resource Person Ms.VedaSruti, IOS Developer, Nimble Wireless Inc, Coimbatore. She gave a talk how to become entrepreneur. Student and Faculty members got benefited on Project Planning, Minimum Viable Product &Cost-Effective Solutions and Entrepreneur Opportunities. Resource person gave an idea about define value, create a product service offering and develop a business model and strategy. At the end of the session, Question Answer (QA) session was conducted, In QA session students asked about general questions in become a entrepreneur.

PROFESSIONAL ACTIVITIES

- Selina Janet Rachel Balasubramanian Have completed the courses with Google cloud on 06.04.2020
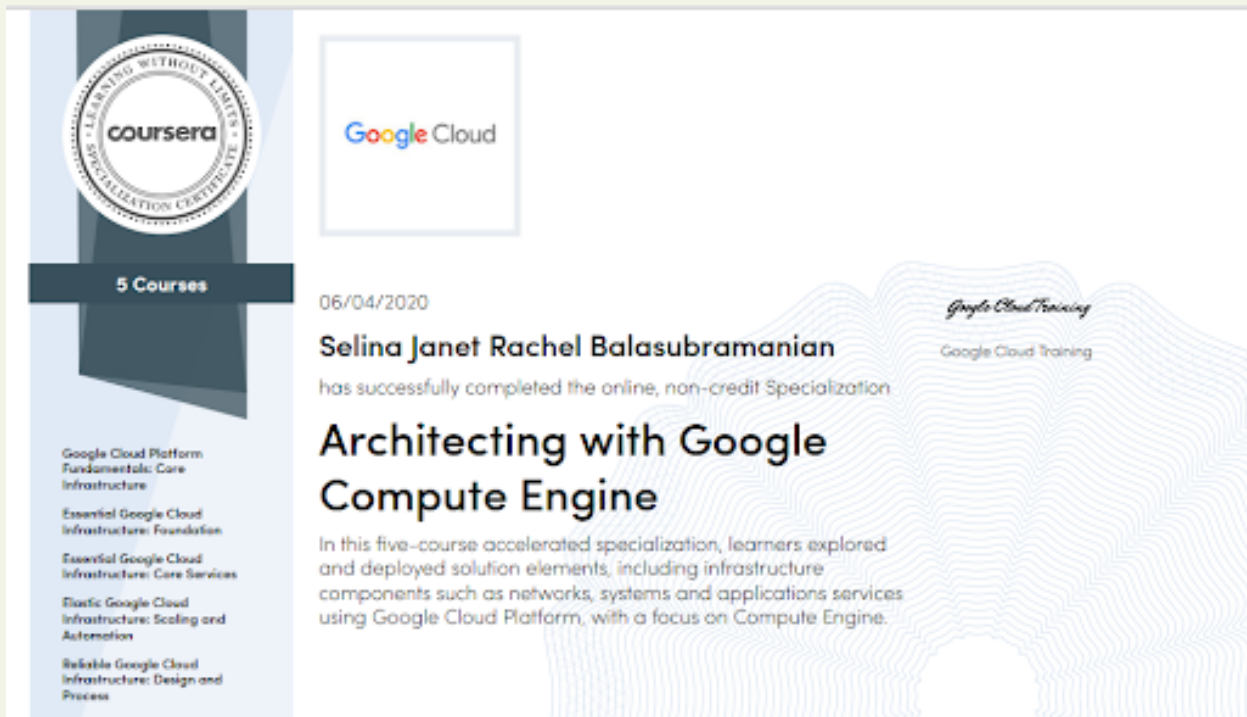
- Rahul S Have completed the courses with Google cloud on 19.02.2020

FDP attended

S.No	Name of the Faculty	Name of the Programme	Date
1	Dr.C.Vimalarani	ATAL FDP on Internet of Things	15.02.2021 to 19.02.2021
		ATAL FDP on Block chain	18.01.2021 to 22.01.2021
2	Mr.V.Dinesh Babu	ATAL FDP on Artificial Intelligence, Machine Learning and Deep Learning	02.02.2021 to 06.02.2021
		NPTEL FDP on Computer Networks and Internet Protocol	Jan-Apr 2021
3	Ms.T.Yawanikha	ATAL FDP on Block Chain	18.01.2021 to 22.01.2021
		ATAL FDP on Cyber Security	08.02.2021 to 12.02.2021
4	Ms.A.Mahalakshmi	ATAL FDP on Artificial Intelligence, Machine Learning and Deep Learning	02.02.2021 to 06.02.2021
		ATAL FDP on Block Chain	18.01.2021 to 22.01.2021

		ATAL FDP on Block Chain	18.01-2021 to 22.01-202
5	Mr.V.P.Arulkumar	ATAL FDP on Internet of Things	04.01.2021 to 08.01.2021
6	Ms.M.Sudha	Six Days Online Short Term Training Program On Internet Of Things Based Automation Using Machine Learning	19.04.2021 to 24.04.2021
		AICTE Training And Learning (ATAL) Online FDP on "Artificial Intelligence, machine Learning and Deep Learning	02.02.2021 to 06.02.202
		AICTE ATAL FDP on Block Chain	18.01.2021 to 22.01.2021
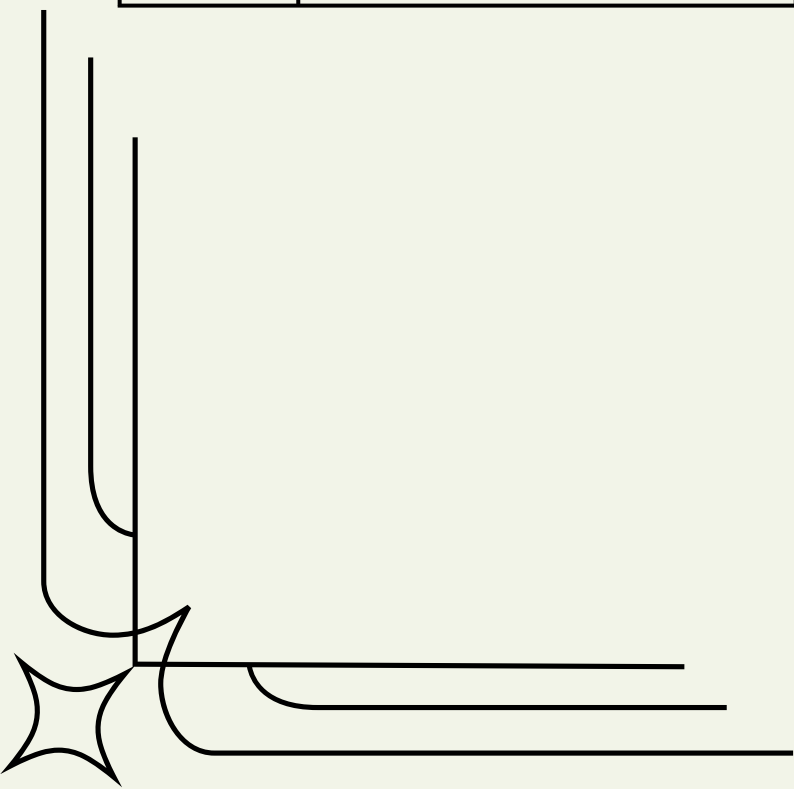
Students Achievements

IT Department students have participated in various events and contests from outside world.

S. No	Date	Name of the Students	Name of the events/Contests	Name of the Institute	Achievements/ Prizes
1.	13-02-2021 to 08-03-2021	Abhirami B	JAVA Technologies Internship	Gateway Software solutions	Participation
2.	13-02-2021 to 08-03-2021	Janani R	JAVA Technologies Internship	Gateway Software solutions	Participation
3.	06-01-2021	Abhirami B	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
4.	06-01-2021	Abhirami B	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation
5.	08-01-2021	Z. Mohammed Arshad	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
6.	07-01-2021	Gnanasekaran K	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
7.	07-01-2021	Gnanasekaran K	"Hello A2019 Bot: Getting Started with Building Bots"	Automation Anywhere University	Participation
8.	06-01-2021	Gnanasekaran K	"Introducing Robotic Process Automation (RPA)"	Automation Anywhere University	Participation

9.	06-01-2021	Gnanasekaran K	"Did You Know that RPA is Simple, yet Powerful, When Compared to Traditional Automation?"	Automation Anywhere University	Participation
10.	07-01-2021	Bavisni R	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
11.	07-01-2021	Bavisni R	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation
12.	07-01-2021	Bavisni R	"Did You Know that RPA is Simple, yet Powerful, When Compared to Traditional Automation?"	Automation Anywhere University	Participation
13.	07-01-2021	Bavisni R	"Introducing Robotic Process Automation (RPA)"	Automation Anywhere University	Participation
14.	07-01-2021	Shanmugapriyan A G	"Did You Know that RPA is Simple, yet Powerful, When Compared to Traditional Automation?"	Automation Anywhere University	Participation
15.	07-01-2021	Shanmugapriyan A G	Introducing Robotic Process Automation (RPA)	Automation Anywhere University	Participation
16.	07-01-2021	Shanmugapriyan A G	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation

17.	07-01-2021	Shanmugapriyan A G	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
18.	06-01-2021	Gokuldass A	Submitting Bots and Digital Workers to the Bot Store	Automation Anywhere University	Participation
19.	06-01-2021	Gokuldass A	Building Paid Bots and Digital Workers	Automation Anywhere University	Participation
20.	06-01-2021	Gokuldass A	Bot Store Overview	Automation Anywhere University	Participation
21.	08-01-2021	Janani Rajendiran	Building Paid Bots and Digital Workers	Automation Anywhere University	Participation
22.	08-01-2021	Janani Rajendiran	Introducing Robotic Process Automation (RPA)	Automation Anywhere University	Participation
23.	08-01-2021	Janani Rajendiran	"Did You Know that RPA is Simple, yet Powerful, When Compared to Traditional Automation?"	Automation Anywhere University	Participation
24.	08-01-2021	Z. Mohammed Arshad	Introducing Robotic Process Automation (RPA)	Automation Anywhere University	Participation
25.	08-01-2021	Z. Mohammed Arshad	"Did You Know that RPA is Simple, yet Powerful, When Compared to Traditional Automation?"	Automation Anywhere University	Participation
26	08-01-2021	Z. Mohammed Arshad	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation

27.	07-01-2021	Dhanasiva P	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
28.	07-01-2021	Dhanasiva P	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation
29.	07-01-2021	Dhanasiva P	Introducing Robotic Process Automation (RPA)	Automation Anywhere University	Participation
30.	07-01-2021	Dhanasiva P	"Did You Know that RPA is Simple, yet Powerful, When Compared to Traditional Automation?"	Automation Anywhere University	Participation
31.	10-01-2021	Abitha S	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation
32.	07-01-2021	Arunachalam L	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
33.	08-01-2021	Ashifa N	Online course on Introduction to Cybersecurity	Cisco Networking Academy	Participation
34.	08-01-2021	Dinakaran M	Getting Started with Robotic Process Automation (RPA)	Automation Anywhere University	Participation
35.	08-01-2021	Dinesh .R	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation
36.	08-01-2021	Inbasekaran A	Online course on Introduction to Cyber security	Cisco Networking Academy	Participation

37.	08-01-2021	Jaya Soorya	Online course on Introduction to Cybersecurity	Cisco Networking Academy	Participation
38.	08-01-2021	Logesh S	Online course on Introduction to Cybersecurity	Cisco Networking Academy	Participation
39.	08-01-2021	Monika D	Online course on Introduction to Cybersecurity	Cisco Networking Academy	Participation
40.	08-01-2021	Mohammed Muzakeer M	Hello A2019 Bot: Getting Started with Building Bots	Automation Anywhere University	Participation
41.	08-01-2021	Priyanka R	Online course on Introduction to Cybersecurity	Cisco Networking Academy	Participation
42.	08-01-2021	Santhosh M	Online course on Introduction to Cybersecurity	Cisco Networking Academy	Participation
43.	06-01-2021	Kaviya Dharshini	Bot Store Overview	Automation Anywhere University	Participation
44.	06-01-2021	Kaviya Dharshini	Submitting Bots and Digital Workers to the Bot Store	Automation Anywhere University	Participation
45.	06-01-2021	Kaviya Dharshini	Building Paid Bots and Digital Workers	Automation Anywhere University	Participation
46.	18-05-2021	Sharmila G	National Conference on Emerging Trends in Information &Communication Technology	Er. perumal manimekalai college of engineering	Participation

47	18-05-2021	Ranjitha R	National Conference on Emerging Trends in Information &Communication Technology	Er. perumal manimekalai college of engineering	Participation

Certificates:

GATEWAY
SOFTWARE SOLUTIONS

ISO 9001:2015

Date: 08/03/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify the student Ms. ABHIRAMI B (721219205002) pursuing her second year BTech (IT) in Karpagam Institute Of Technology, Coimbatore has completed her internship on JAVA Technologies in our concern from 13th February 2021 to 08th March 2021.

All the Best for her Future!

GATEWAY SOFTWARE SOLUTIONS

Manager

Mobile: 7397078885
E-mail: info@gatewaysoftwaresolutions.com / Website: gatewaysoftwaresolutions.com

TO WHOMSOEVER IT MAY CONCERN

This is to certify the student Ms. JANANI R (721219205024) pursuing her second year BTech (IT) in Karpagam Institute Of Technology, Coimbatore has completed her internship on JAVA Technologies in our concern from 13th February 2021 to 08th March 2021.

All the Best for her Future!

GATEWAY SOFTWARE SOLUTIONS

Manager

JOURNAL PUBLICATION

S. No.	Name of the faculty with Co-Authors	Title of the Paper	Title of the Journal	Vol. No., Issue No., Page No., Month & Year
1	KS Bhuvaneshwari , D Bhanu	Frequently Accessed Binary Search Tree (Fast)	Journal of Solid State Technology	Vol.No.63, Issue 5, pp. 9751-9765, December 2020
2	S Gopinath, N A Natraj, D Bhanu and N Sureshkumar	Reliability Integrated Intrusion Detection System for Isolating Black Hole Attack in MANET	Journal of Scientific & Industrial Research	Vol.No.79, pp.905-908, October 2020.
3	S. Shaul Hammed, Dr.B. Chellaprabha, S. Ramamani	AN EXPERIMENTAL APPROACH TO BUILD CONSUMER TRUST USING CLOUD TRUST LABEL	Journal of Critical Reviews	ISSN- 2394-5125 Vol 7, Issue 4, 2020
4	Dr.S.Vinoth Kumar, Dr.A.Christopher Paul, Dr. H. Shaheen	A Study on Picture Recognition Using Pre-processing and Decision Making	Journal of Xi'an University of Architecture & Technology	ISSN No : 1006-7930, 2020

Editorial Members

Editorial Faculty Memeber

Dr.C.Vimalarani ASP / IT

Editorial Student Members

Rahul S — - IV IT

Devasena K — - IV IT

Gnanasekaran K — - II IT

Dinakaran M — - II IT