NEWSLETTER INFOSCIENCE

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2021

CSE

Department
of
Komputer Science and engineering

HOD's DESK

- ❖ The gains in education are never really lost. The object of teaching a student is to enable him to get along without his teacher.

- ❖ Building positive relationships with students bring me joy.

- ❖ It is their needs and diverse experiences that make my job exciting and rewarding and gave me a wonderful opportunity for exchanging and sharpening the knowledge for stimulating interest and curiosity in a variety of subjects which are essential to true education.

Dr. P. MayilvelKumar M.E., Ph.D

INSTITUTE VISION AND MISSION

VISION:

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

MISSION:

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

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

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

DEPARTMENT VISION AND MISSION

VISION:

- ❖ To provide technical education in the field of Computer Science and Engineering by imparting employability, research capabilities, entrepreneurship with human values.

MISSION:

- ❖ Adopting innovative teaching learning practices through the state-of-the-infrastructure.

- ❖ Establishing a conductive environment for innovations and research activities.

- ❖ Inculcating leadership skills, moral and social values through extension activities.
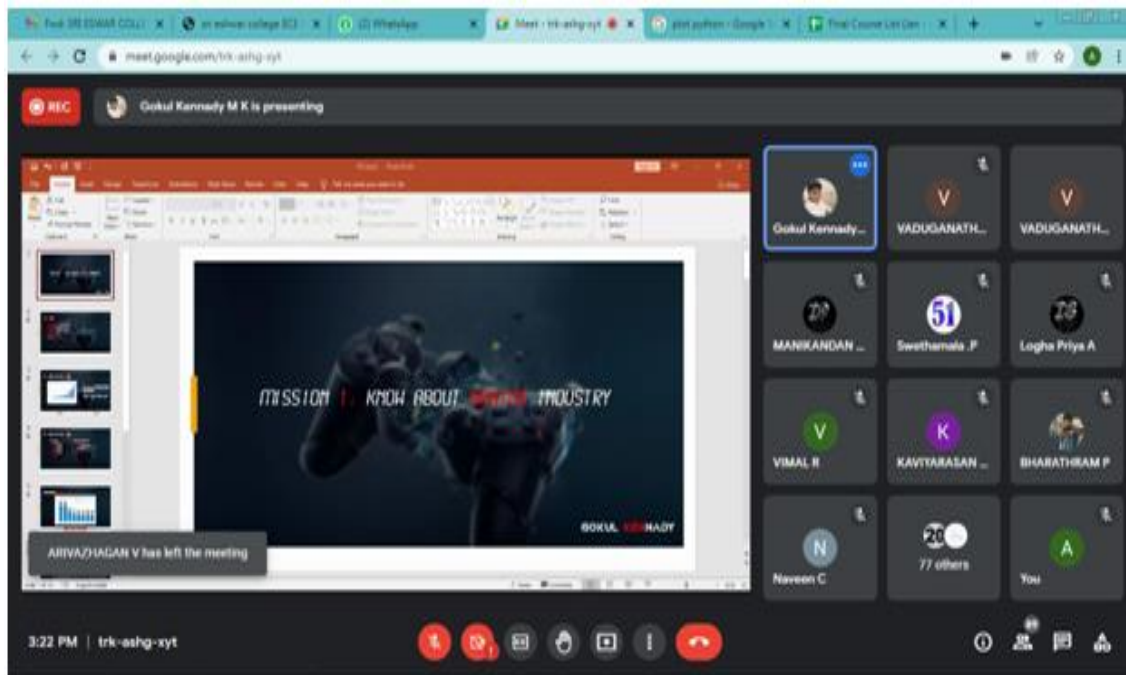
Editorial Committee:

Staff members

Dr.A.Sabanayagam

Mr.P.N.Ramesh

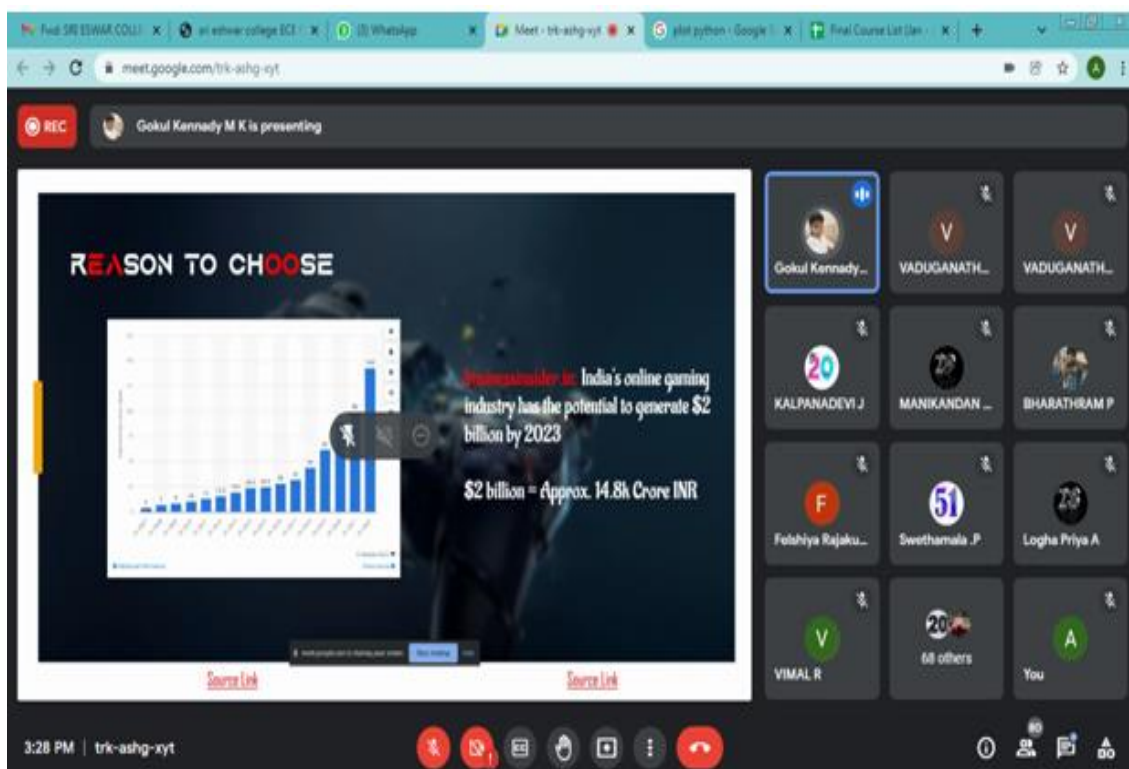**Student members**

Vikash. V – III CSE

Swathilakshmi. M – III CSE

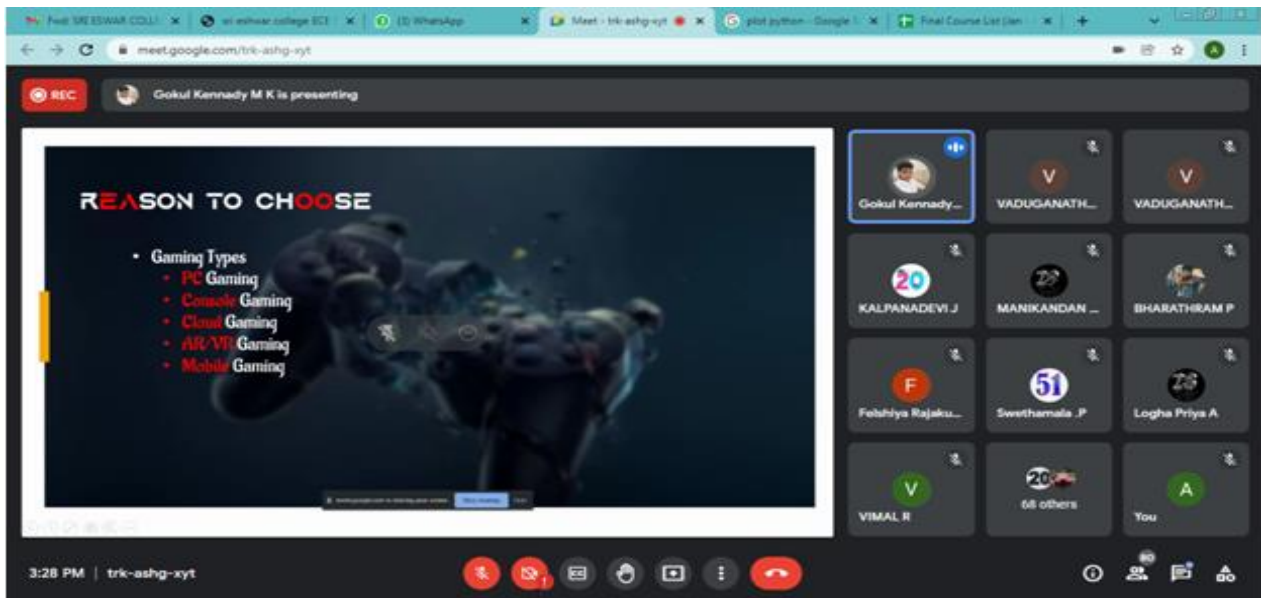# SEMINARS, SYMPOSIUMS, GUEST LECTURES AND WORKSHOPS ORGANIZED

CSE Department conducted the webinar on "Innovative Software Gaming Development to Become an Entrepreneur" on 09.04.2021.

Resource Person Mr.M.K.GokulKennady discussed about game industry

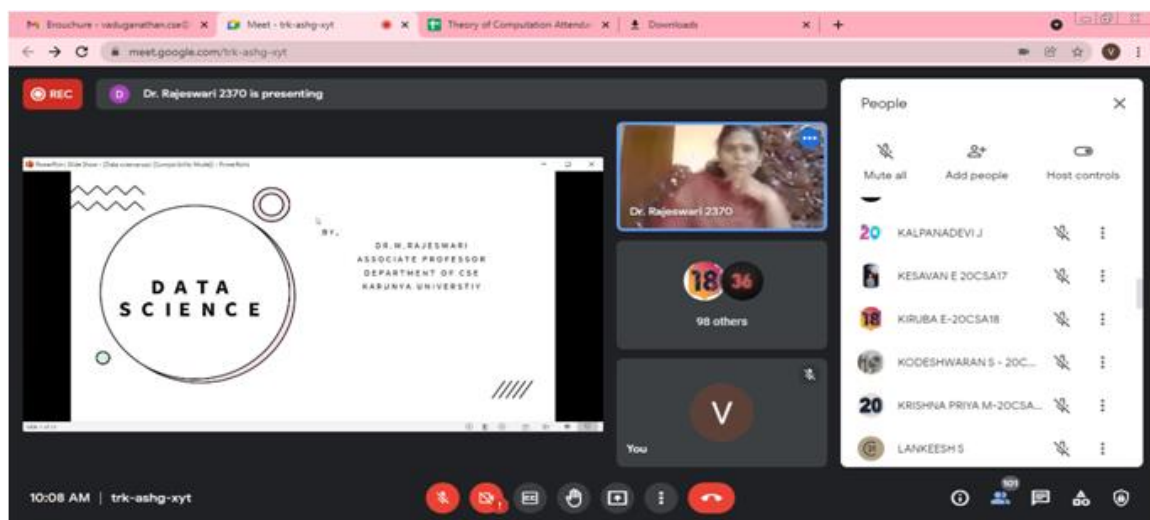Resource person shared about revenue of Gaming Industry

Resource person shared about revenue of Gaming Types

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.N.Suganya,AP/CSE gave welcome address and chief guest introduction. The session was handled by the Resource Person Mr.M.K.GokulKennady, Quality Assurance Analyst, Hitwicket, Hyderabad. In the first half of the session, he gave some short introduction about basics of software game development using various gaming software tools, then he explained about the Innovative ideas, tools, gaming types, gaming industry revenue details, technology used in the software gaming development.Resource Person helps the students to create innovative software games to become a successful Entrepreneur.
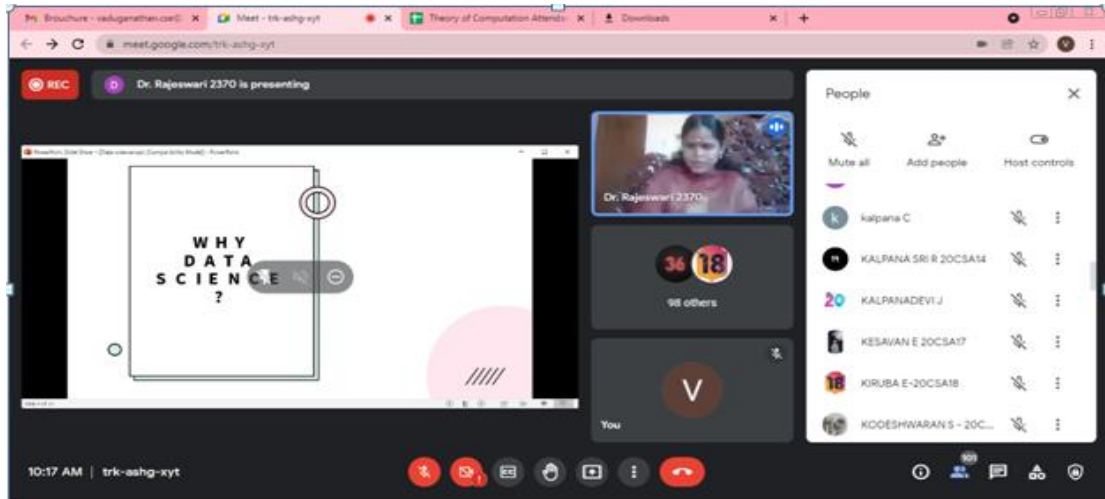
Webinar on Data Science to all on 15.03.2021

CSE Department conducted the webinar on "Data Science to all" on 15.03.2021.

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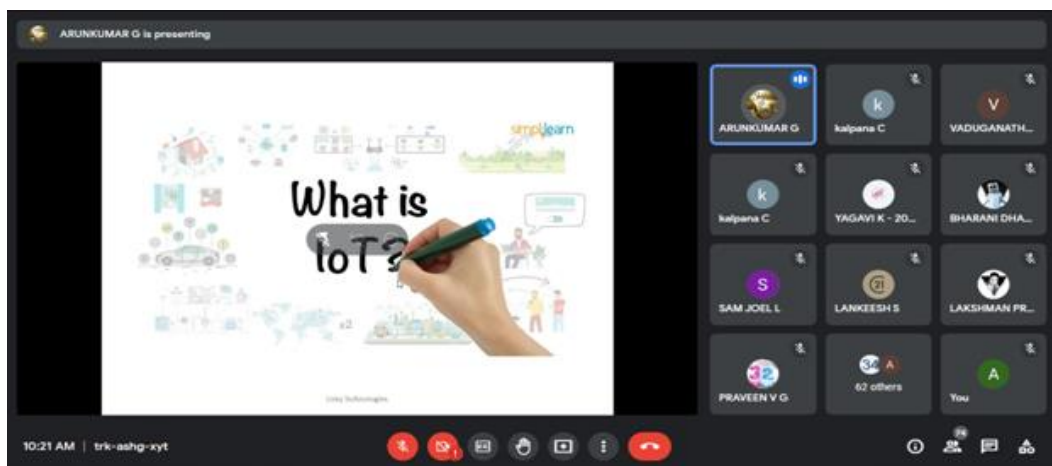
Karunya University presenting slides

Dr.M.Rajeshwari, Associate Professor, Department of CSE,Karunya University presenting about Data Science
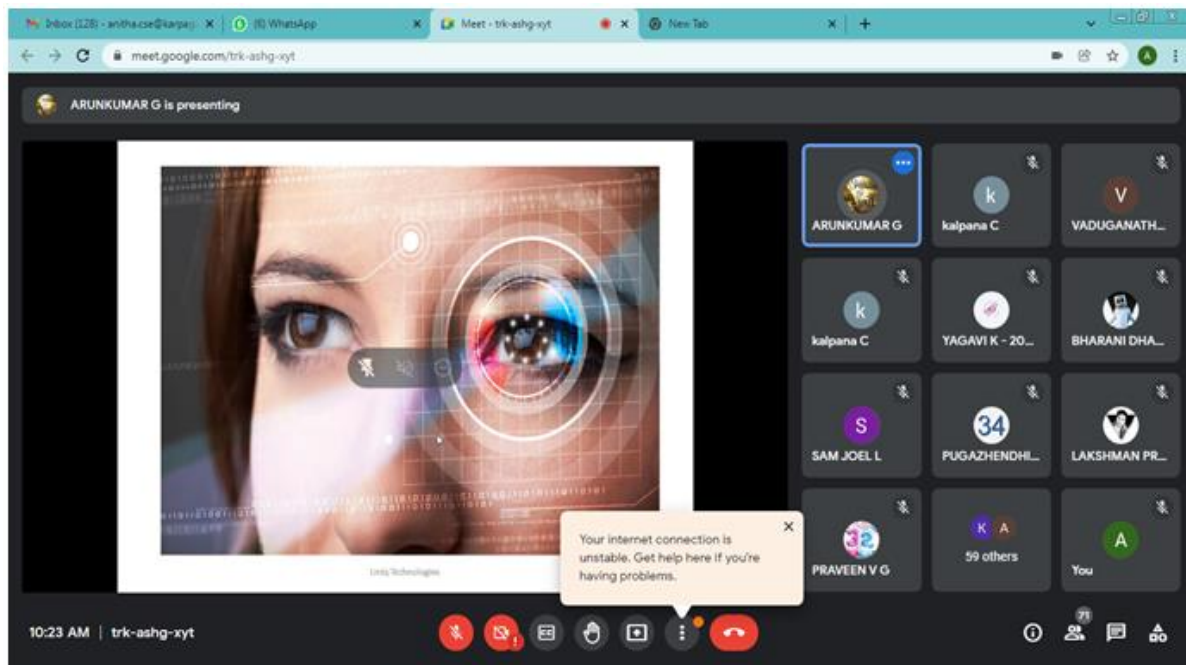
Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council Jointly organized a webinar on Data Science to all to become data scientist on 15.03.2021. Faculty Coordinator Mrs.N.Suganya,AP/CSEwelcome the gathering and gave welcome address. Faculty CoordinatorMrs.C.Kalpana AP/CSE 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. In the first session, she explained about introduction for data science how it is using in various fields and also explained about how researches are going in this field. In last session she delivers about careers in data science. She pointed that career in data science are like Data Scientist, Machine Learning Engineer, Machine Learning Scientist, Applications Architect, Enterprise Architect, Data Architect, Infrastructure Architect, Data Engineer. She gave a clarity talk about how to be a data scientist.

Workshop on Innovative Real Time Projects Using IOT on 16.02.2021
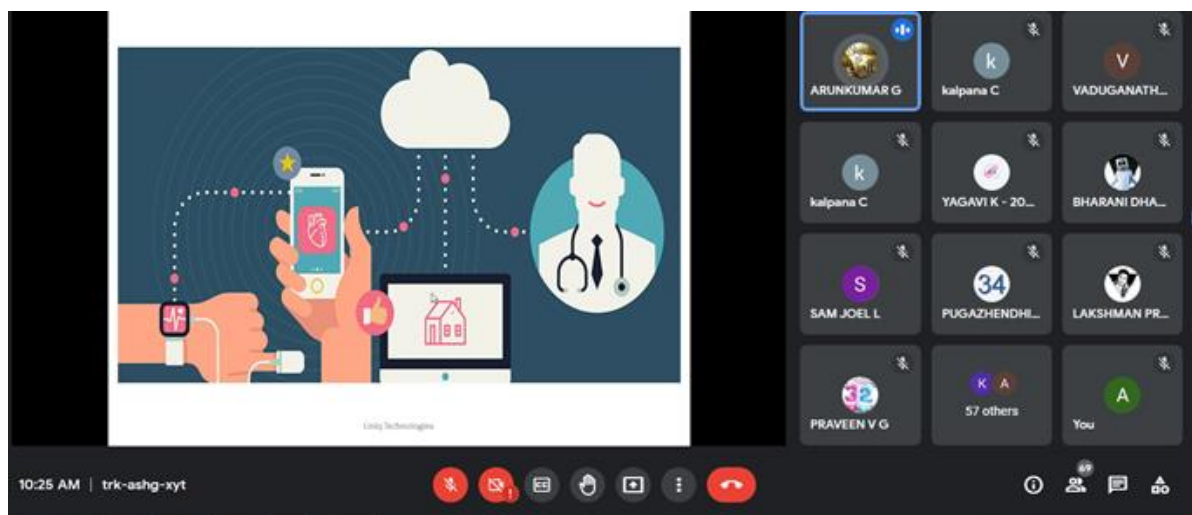
CSE Department conducted the workshop on "Innovative Real Time Projects Using IOT" on 16.02.2021.

Resource Person Mr.G.Arunkumar discussed about IOT

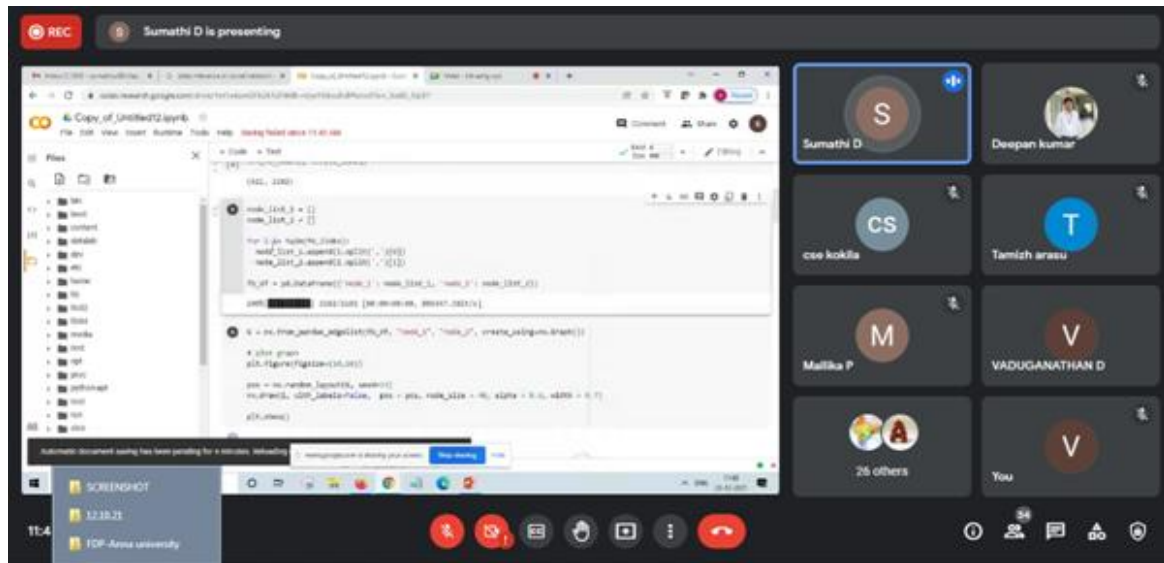**Resource person shared about IOT Projects**

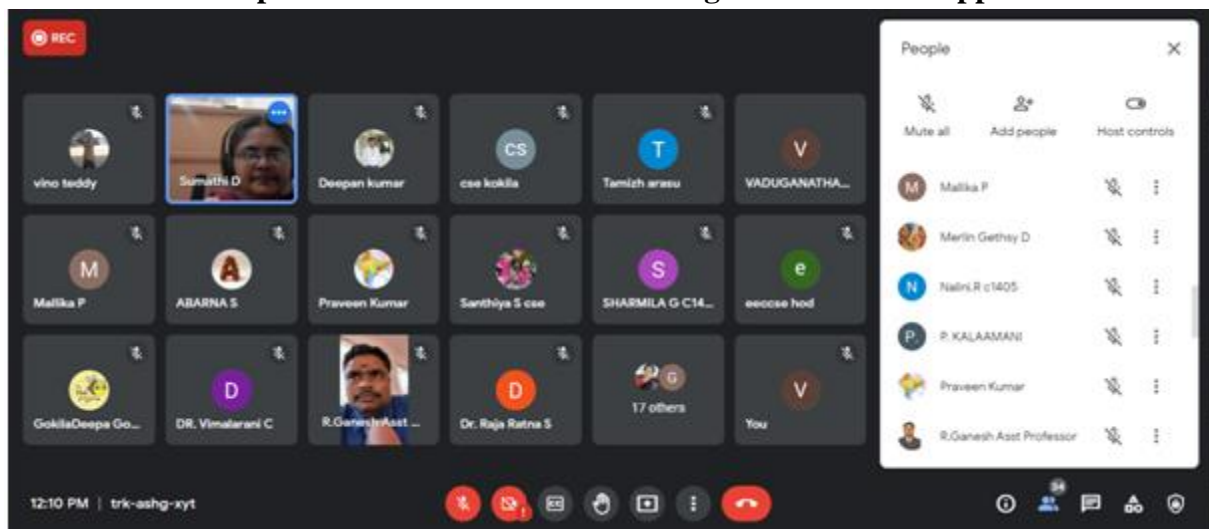**Resource person shared about how IOT is used in Agriculture**

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council,Jointly organized a Workshop on Innovative Real Time Projects Using IOT on 16.02.2021.The students and Faculty were participated in this Workshop through Google meet. Dr.P.MayilVel Kumar, Head of the Department/CSE, delivered the welcome address followed by Mrs.C.Kalpana,AP/CSE delivered Chief Guest Introduction.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.

Webinar on Web Development Using React JSon 25.02.2021

CSE Department conducted the webinar on "Web Development Using React JS" on 25.02.2021.

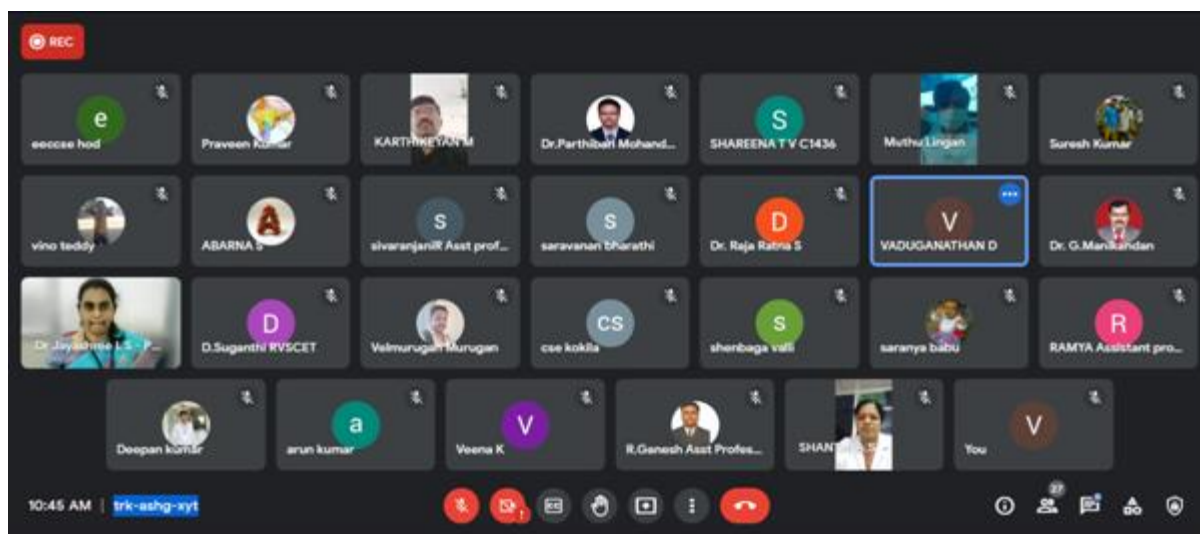**Resource person Mr. S.Subramani teaching to create a web application**

Resource person speech about react JS

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council jointly organized a Webinar on Web development using Reactjs on 25.02.2021. Faculty coordinator of event Mrs. C.Kalpana AP/CSE gave welcome address and Introduced Chief Guest to the gathering. The session was handled by our Resource Person Mr.S.SubramaniImmar Technologies Pvtltd.Duringsession, 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.

Webinar on Inner and Outer Environment on 26.03.2021

CSE Department conducted the webinar on "Inner and Outer Environment" on 26.03.2021.

Resource person Dr. Ezhilrasi talking about the importance of meditation
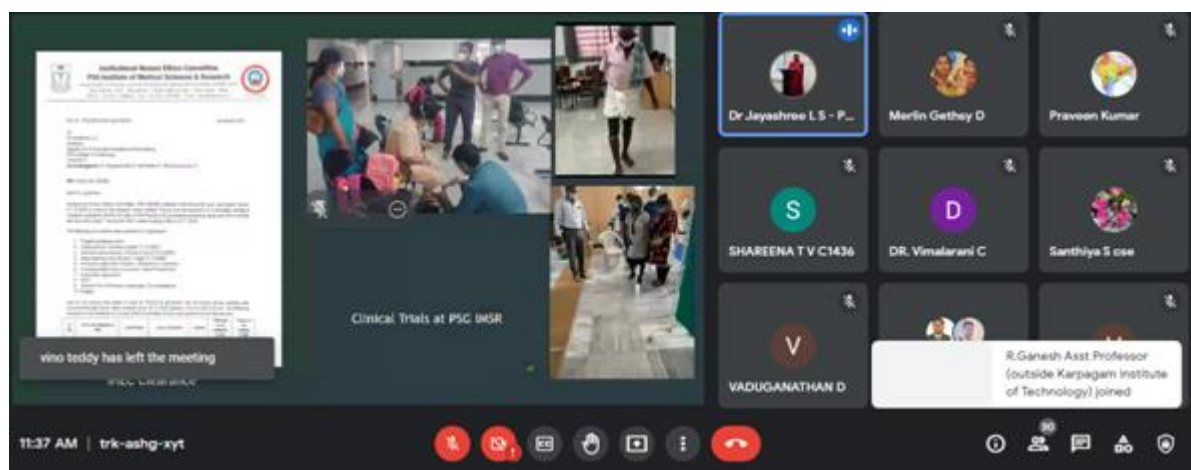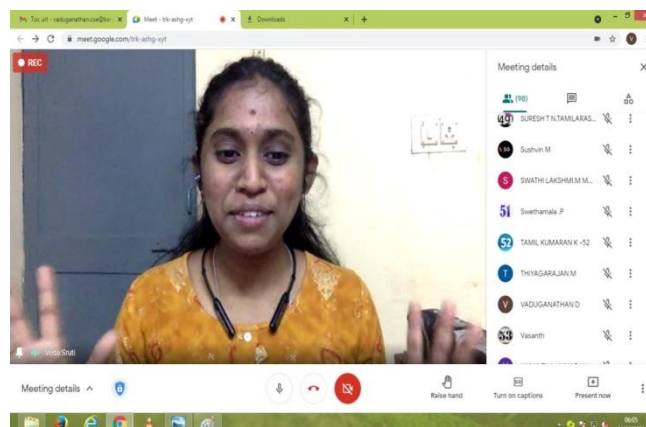

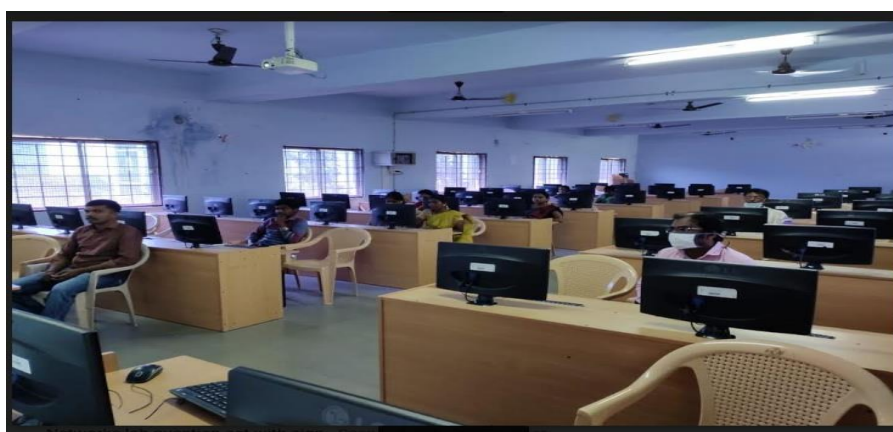**Resource person speech about social issues**

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council jointly organized a Webinar on Inner and Outer Environment areconnected on 26.03.2021. Faculty coordinator of event Mrs. N.Suganya AP/CSE 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, andoneness.

Webinar on Roadmap to become a successful Entrepreneur on 22.05.2021

CSE Department conducted the webinar on "Roadmap to become a successful Entrepreneur" on 22.05.2021

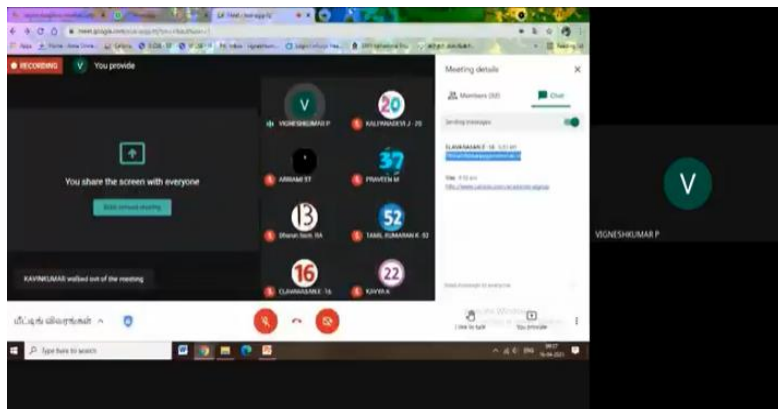Ms.VedaSruti, IOS Developer, Addressing about successful Entrepreneur

Faculty Members of CSE is attending webinar in CSE LAB-III through Meet

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council, jointly organized a Webinar on Innovative Roadmap to become a successful Entrepreneur on 22.5.2021. Mrs.N.Suganya,AP/CSE gave welcome address and Chief Guest Introduction. 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.

<p style="text-align:center">Orientation Session on Pre- Incubation and Incubation on 25.03.2021</p>

<p style="text-align:center">CSE Department conducted the Orientation Session on "Pre- Incubation and Incubation" on 25.03.2021.</p>

Snapshot of Students attending the Orientation

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council jointly organized an online Orientation Session for Pre-Incubation and Incubationon 25.03.2021. Mrs. C. Kalpana,AP/CSE gave welcome address and Chief Guest Introduction. The session was handled by the Resource PersonMr.M. Prabhu, Business Architect.The resourse 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.

FDP Attended

* Dr.S.Sharavananhad participated in STTP on Internet of Things based automation using Machine Learningfrom 19.04.2021 to 24.04.2021.

* Dr.P.Mayilvel Kumar had participated in "Block chain" from 18.01.2021 to 22.01.2022 organized by ATAL.

* Dr.P.Mayilvel Kumar had participated in "Artificial Intelligence, Machine Learning and Deep Learning" from 02.02.2021 to 06.02.2021 organized by ATAL.

* Dr.P.Mayilvel Kumar had participated in "Internet of Things" from 15.02.2021 to 19.02.2021 organized by ATAL.

* Mrs.S.Bhuvaneshwari had participated in STTP titled "Internet of Things based automation using Machine Learning" from 19.04.2021 to 24.04.2021.

* Mr.C.Karthikeyan attended faculty development program in "Design Thinking" from 04.01.2021 to 08.01.2021.

- Mr.C.Karthikeyan attended faculty development program in "Blockchain" from 18.01.2021 to 22.01.2021.
- Mr.C.Karthikeyan attended faculty development program in "Big Data Analytics" from 25.01.2021 to 29.01.2021.
- Mrs.C.Kalpana attended faculty development program in "Internet of Things (IoT)" from 04.01.2021 to 08.01.2021.
- Mrs.C.Kalpana attended faculty development program in "Block chain" from 08.01.2021 to 18.01.2021.
- Mrs.N.Suganya attended faculty development program in "Cloud Computing and Distributed Systems" from January to March 2021.
- Mrs.N.Suganya attended faculty development program in "Block chain" from 08.01.2021 to 18.01.2021.
- Mrs.N.Suganya attended faculty development program in "Artificial Intelligence,machine Learning and Deep Learning" from 02.02.2021 to 06.02.2021.
- Mr.K.Sriram Kumarhad participated in STTP titled "Internet of Things based automation using Machine Learning" from 19.04.2021 to 24.04.2021.
- Ms.L.Nithyahad participated in STTP titled "Federated Identity Management Systems: Research Perspectives" from 17.08.2021 to 22.08.2021.
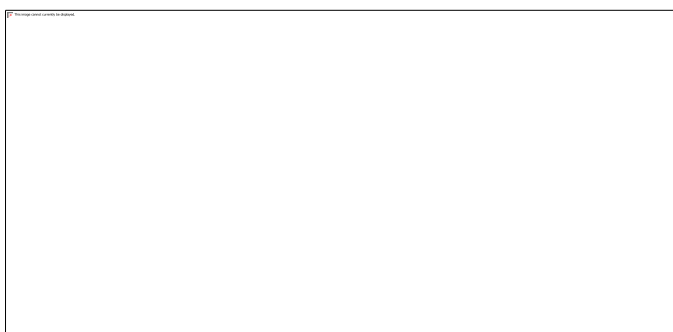
Journal Publications

- **Dr.R.Manikandan** published on the title **"Enhanced method of ANN based model for detection of DDoS attacks on multimedia internet of things"** in Multimed Tools Appl (2021).
- **Mrs.N.Suganya** published on the title **"Enhancing the Reliability of Cloud Data by Implementing AES Algorithm"** in Institute of Electrical and Electronics Engineers.
- **Mr.C.Karthikeyan** published on the title **"Enhancing the Reliability of Cloud Data by Implementing AES Algorithm"** in Institute of Electrical and Electronics Engineers.
- **Dr.R.Manikandan**published on the title **"Developing a Robust and Flexible Web Service Framework for Medical Care "** in Complex Intell. Syst.
- **Mrs.K.Kalaiselvi** published on the title **"Improving the Network Throughout in IOT- Manets using Deep Learning Routing Algorithm"** in International Journal Advanced Science and Technology.

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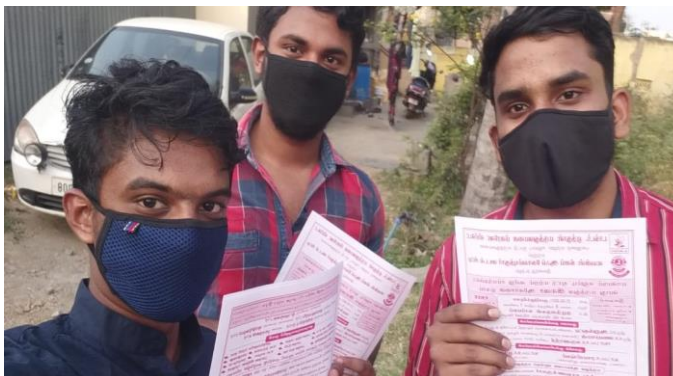
SOCIAL ACTIVITIES

Free Medical Camp for Bone Related Diseases

Lions Club of Coimbatore Tex City organized a free medical check-up and treatment camp on Sunday, February 21, 2021, to provide healthcare support to the needy people in Seerapalyam village. More than 200 people got benefited from this noble initiative. A team of 5 doctors from Coimbatore city volunteered and provided free consultation. Our college UBA Coordinators, 5 staffs and 20 students give a volunteership service to above camp.
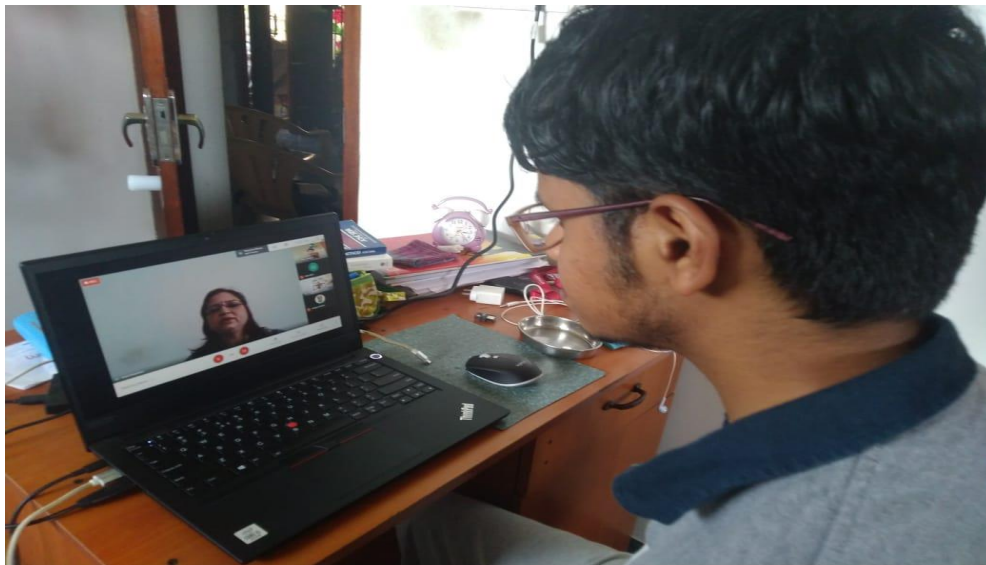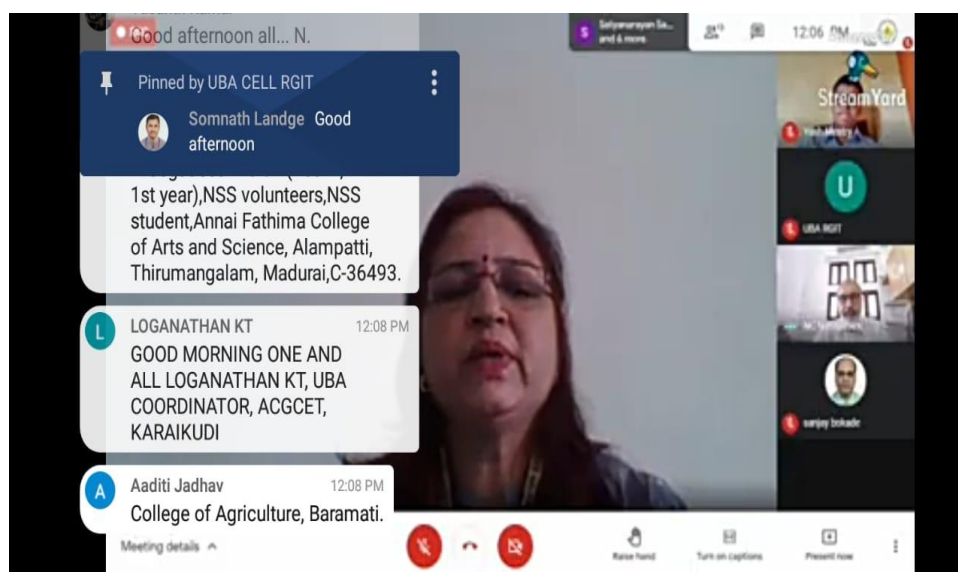

Snapshot of the activity

Snapshot of the activity

Factors to consider in planning for environment friendly, sustainable development projects to build an Aatmanirbhar Bharat

Unnat Bharat Abhiyan Cell (UBA-Cell) of MCT's Rajiv Gandhi Institute of Technology, Mumbai ,as organized a webinar on the topic **"Factors to consider in planning for environment friendly, sustainable development projects to build an Aatmanirbhar Bharat"**. This webinar aims to put forth an opportunity for institutions discussing about the factors to consider in planning for environment friendly, sustainable development projects to build an Aatmanirbhar Bharat. The National Webinar is scheduled on **March 13, 2021** from **12 p.m. to 1:30 p.m.**

Snapshot of Swachh Awareness Campaign

Snapshot of School Campus Cleaning

Lion's club President Mr V.Gregory Joseph, Secretary Mr.P. Muniyandi and Treasurer Mr K.M. Sankar were presided over the function and The Social Activity club In charge Dr.P. MayilVelKumar, Faculty Members and Students of Karpagam Institute of Technology has underwent the school campus cleaning work and maintenance of the school compound wall. The school Head Mistress and teachers of the school has made the arrangements for the program.

The expert session will be delivered by **Prof. N. C. Narayanan**, Centre for Technology Alternatives for Rural Areas (CTARA), IIT Mumbai, who will be providing the participants with detailed information about the session and emphasizing on its domain. The one-hour session is determined to identify and study the various environmental factors to consider in designing projects.

"Karpagam Institute of Technology (Id: C-37035)" UBA – Students Volunteers participate in this webinar and gained experience to obtain detailed knowledge about the topic and interact with the speaker.

STUDENTS ACHIEVEMENTS

Events Participation by students

S.No	Date	Name of the Students	Name of the Event	Name of the Organizer	Achievements / Prizes / Positions
1.	March 2021	Nandhakumar. A Sugesh. G Gokul. S. K Sajeesh. K	ChhatraVishwakarma Awards	AICTE	Selected for State Level Convention
2.	21.01.21	DeeveshKannan Divya. B Monika. M Kavinkumar. K	TNSCST Student Project Scheme	Tamil Nadu State Council for Science and Technology	Participated
3.	21.01.21	Nandhini. R Vignesh. R Samyuktha. S SurajitMetya	TNSCST Student Project Scheme	Tamil Nadu State Council for Science and Technology	Participated

EDITORIAL FACULTY MEMBERS

Dr.A.SABANAYAGAM

Mr. P. N. RAMESH

EDITORIAL STUDENT MEMBERS

Mr. VIKASH V - (III CSE)

Ms. SWATHILAKSHMI - (III CSE)

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