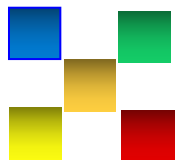
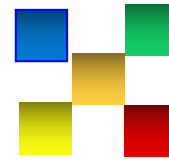


EASWARI ENGINEERING COLLEGE

[AUTONOMOUS]



TRANSEGE



Dr. M. Devaraju, HoD/ECE

Dear Readers,

For years, “Trans-edge” has been an enthusiastic publication of the activities by the Technocrats of the ECE department. It aims to enlighten the readers on various areas of technology that the faculty and students have been associated with. It also aims to throw light on the latest technological innovations that inspire the young generation to explore the field. One such technology is the “**Electronic skin and tongue**”. Stretchable, flexible, and self-healing materials that can mimic animal or human skin characteristics are called electronic skin. There is a wide range of fabrics that respond to pressure and heat changes and are capable of measuring information through physical interaction. These materials can create advanced prosthetics, soft robotics, health monitoring, and artificial intelligence, right from the science fiction movies! Future designs for new electronic skins would include materials with high mechanical strength, better detection ability and self-healing properties. An electronic language, on the other hand, measures and compares tastes. It contains multiple sensors; each has a different reaction spectrum capable of detecting organic and inorganic compounds. Electronic languages have applications in various fields, from the food and beverage sector to the pharmaceutical industry. It is also used to compare target products and monitor environmental parameters.

Faculty Editor

Ms. T. Gophika, Assistant Professor

INSIDE THIS ISSUE

Issue Content	Page No
Events Organized by the department	06
Internship	22
Professional society activities	24
Events attended by the faculty	24
Student Corner	29

Feb 2021-Mar 2021

Volume I, Issue 2

VISION AND MISSION

EASWARI ENGINEERING COLLEGE

Vision:

To accomplish and maintain international eminence and become a model institution for higher learning through dedicated development of minds, advancement of knowledge and professional application of skills to meet the global demands.

Mission:

M1:

Easwari Engineering College strives to set high standards of comprehensive education by developing the intellectual strength of students and guiding them towards technical advancement.

M2:

Synergise the efforts of various departments, inspire creativity and foster excellence and innovation in teaching and learning so as to realize our vision as a Premier Engineering Institution.

M3:

Nurture the development of mind, skill, attitude and core competence of students.

M4:

Attain leadership in planning and resource management so as to improve the quality and accessibility of technical education.

M5:

Produce graduates of International distinction, committed to Integrity, Professionalism and lifelong learning by widening their knowledge horizons in range and depth.

M6:

Enable students shine in their academic pursuits, making them sensitive to the needs of the progressive industrial world.

M7:

Organize a pluralistic and supportive environment that will stimulate scholars, students and staff of the highest calibre and contribute immensely to the process of Nation building through partnership with Community and Industry.

VISION AND MISSION

EASWARI ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Vision:

To prepare engineers, proficient to meet the needs of current technological advancements in the field of Electronics and Communication Engineering by establishing a learning environment consistent with industry standards in academics and research.

Mission:

M1:

To create a passion amongst students for contributing to research by providing industry oriented learning.

M2:

To impart in depth knowledge in principles and applications related to design and development of various systems for societal needs.

M3:

To build the skill sets, attitude and core competence of students and faculty by providing them with the opportunity to organize various technical events which will bring out their inherent talents.

M4:

To produce graduates with technical expertise, professional attitude and ethical values.

M5:

To instil creative thinking through innovative and team based methods which develops the entrepreneur skills, employability and research capability among professionals.

M6:

To inculcate in the graduates, the thirst for life-long learning and guide them to obtain thorough knowledge in their chosen interdisciplinary field.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Graduates will possess competency in mathematics, science and engineering fundamentals for solving Electronics and Communication engineering problems.

PEO2: Graduates will have core engineering knowledge necessary for employment in industries as well as higher studies and research.

PEO3: Graduates will attain organizing capability, entrepreneur skills and will be a team player in workplace with ethics.

PEO4: Graduates will perform effectively in multicultural and multidisciplinary environment and makes them ready for the corporate careers ahead.

PEO5: Graduates will have the ability to engage themselves in lifelong learning to achieve professional excellence that will make impact in the societal and human context.

PROGRAM SPECIFIC OUTCOMES

PSO1: Design and construct Electronic circuits and to Simulate the circuits with software tools which lead to the development of Electronic gadgets.

PSO2: Design and analyze various signal processing blocks for Image and Signal processing systems.

PSO3: Analyze various Networking and Communication areas and its impact in real time applications.

PSO4: Implement their professional skills and techniques in the integrated circuit design which are applicable to industrial and societal needs.

PROGRAM OUTCOMES

PO1: Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis:

Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/ Development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate considerations for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems:

Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability:

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.

PO10: Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work as a member and leader in a team to manage projects and in multidisciplinary environments.

PO12: Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

EVENTS ORGANISED BY THE DEPARTMENT

TYPE : Alumni Interaction – Alumni Talk-01

TITLE : Scope of Electronics Engineers in Automobile Industries

DATE : 03.03.2021

GUEST SPEAKER : Mr.Krishnaswamy Kannan, Embedded Software Developer,
Volvo Cars, Gothenburg- Sweden



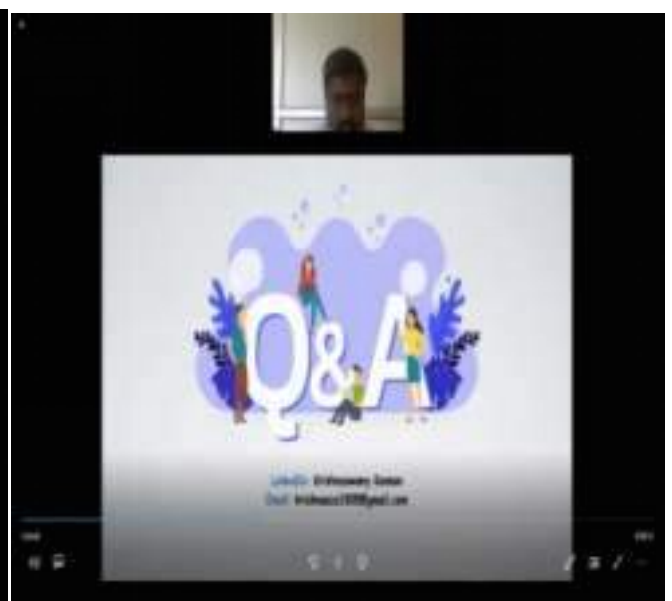
TARGET AUDIENCE: II & III Year ECE Students

No. OF PARTICIPANTS : 250

Alumni are the foundations of an Institute and acts as a torchbearer for their upcoming generation. In order to refine our ECE Students and give them a Glimpse of the Corporate World, Alumni Talk Series are regularly planned where senior Alumni interact with the current students and guide them by sharing open feedback. Dept. of ECE, Easwari Engineering College invited its eminent and very talented Senior Alumni **Mr.Krishnaswamy Kannan, Embedded Software Developer, Volvo Cars, Gothenburg- Sweden**. During the Alumni talk series organized for the 2nd and 3rd year Students on Wednesday, March 03, 2021. The welcome speech for the occasion was given by the Dean Alumni Dr.Usha Menon followed by Dr.M.Devaraju, Professor & Head of the Department and Faculty members of the Department were also present for the occasion. Around 250 students were attended for the session.

During HOD sir's welcome address he applauded the Senior Alumni and praised him for sparing valuable time for his alma mater. As an Alumni coordinator Mr.B.Arivu Selvam introduced the

Alumni **Mr.Krishnaswamy Kannan (2009-13 Batch Alumni)**.It was a thought provoking Alumni Talk. He gave a talk on **“Scope of Electronics Engineers in Automobile industries”** .He gave a mind-blowing talk about the vast opportunities in the field of Automobile industries for the ECE students in India and abroad.He gave an introduction about how he got interested in Electronics. Krishnaswamy Quoted that Our College Environment and flexibility was a big platform for his growth. Especially the department faculties support and guidance was the major part which enhance his bright future. He explained about what’s cooking now in the AUTO industry? With examples of Autonomous Driving CARS, Computer on wheels, Battery management systems in EV Cars and also detailed about the various scope of Electronics Engineers in today’s automobile industry.He described about various Electronics based companies working for Automobile industries worldwide and he briefed about the need of different Software & Hardware knowledge to be gained by ECE students to enter in the Automobile industries.There was a Q&A session for an hour approximately. Students were very interactive and clarified their doubts regarding the opportunities.Overall the Alumni Talk was very informative, instructive and interactive. The students thoroughly enjoyed the Alumni meet and gained an immense knowledge about the future opportunities.



Alumni Interaction – Alumni Talk-02

TITLE : Data Analytics and Engineering Applications in Finance

DATE : 05.03.2021

GUEST SPEAKER :

Mr. GIRI SESHADRI RAVI, 2009-2013 Batch ECE Alumni

Assistant Vice President of Quantitative Analytics @ Barclays Investment Bank, New York, United States of America

EASWARI ENGINEERING COLLEGE
Department of
ELECTRONICS & COMMUNICATION ENGINEERING
Proudly Presents
AGNI VIZHUTHUGAL
"A Pride of ECE"
Alumni talk on
DATA ANALYTICS AND ENGINEERING APPLICATIONS IN FINANCE
05.03.2021 08.30 to 09.30 A.M.
Mr. GIRI SESHADRI RAVI
Assistant Vice President of Quantitative Analytics
Barclays Investment Bank, New York, USA
Batch: 2009 - 2013
<https://tinyurl.com/eceagn12>
CONVENOR: Dr. M. Devaraju, Prof. & Head / ECE
COORDINATOR: Mr. B. Arivu Selvam, Asst. Prof. / ECE
/SRMeeaswarOfficial /srmeaswar /srm_easwar srmeeaswar.ac.in

TARGET AUDIENCE: II&III Year ECE Students

No. OF PARTICIPANTS : 230

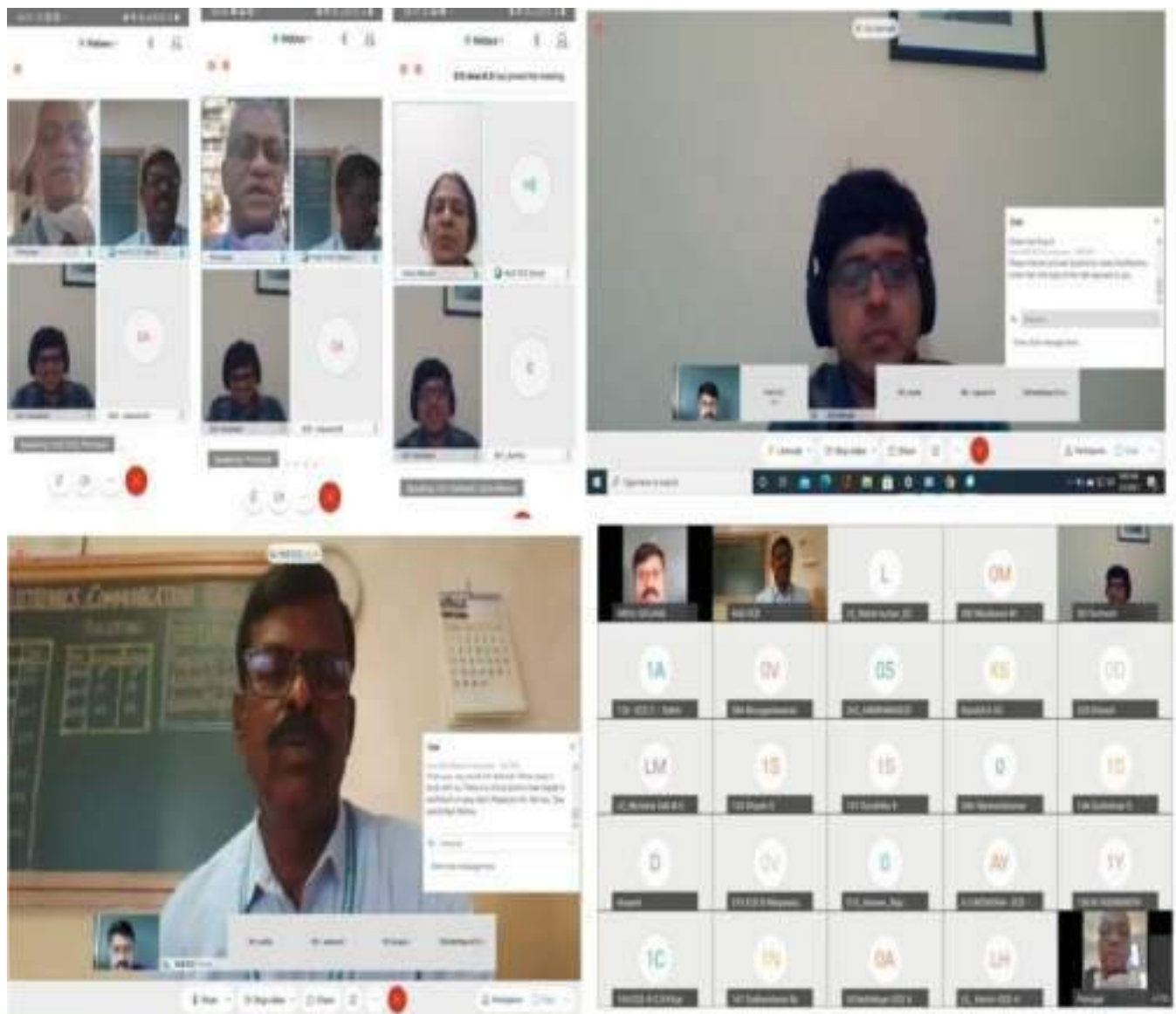
Alumni talk was conducted by the department of Electronics and communication Engineering for their II and III Year students on 05.03.2021 between 8.30 am – 9.30 am. Mr. Giri Seshadri, An eminent and skill-filled Alumni, Department of ECE was our delightful Guest speaker. “Data Analytics and Engineering Applications in Finance” was the topic for the day. An energetic Head, Department of Electronics and Communication Engineering Dr. Devaraju welcomed the gathering with his encouraging words. Dr. R. S. Kumar, our honourable principal delivered an appreciated speech. He also welcomed our Alumni to give his valuable inputs for the new course (B.Tech AI&DS) started in our college. As an Alumni Co-ordinator, Mr. B. Arivuselvam, Assistant Professor, Department of ECE gave an eloquent introduction about the guest speaker. Dr. Usha Menon, Prof, Dept of English and Dean-Alumni Affairs & Campus Life greeted our Alumni for his enormous growth. And she also expressed her happiness of how our college played a major role in shaping our students.

Giri Seshadri, our speaker of the day started his talk with an example of how Random & Probability processing is being applied in the world of financing the field operations. He defined operation system and gave a detailed talk about how we are using the subjects like Digital Signal

Processing, Engineering Mathematics, Digital Electronics, Probability & Random process in finance operations with classic examples.

Question and Answer session clarified the doubts of the students in field of finance and operations. Vote of thanks was given by the Alumni Co-ordinator as an end of the Alumni Talk.

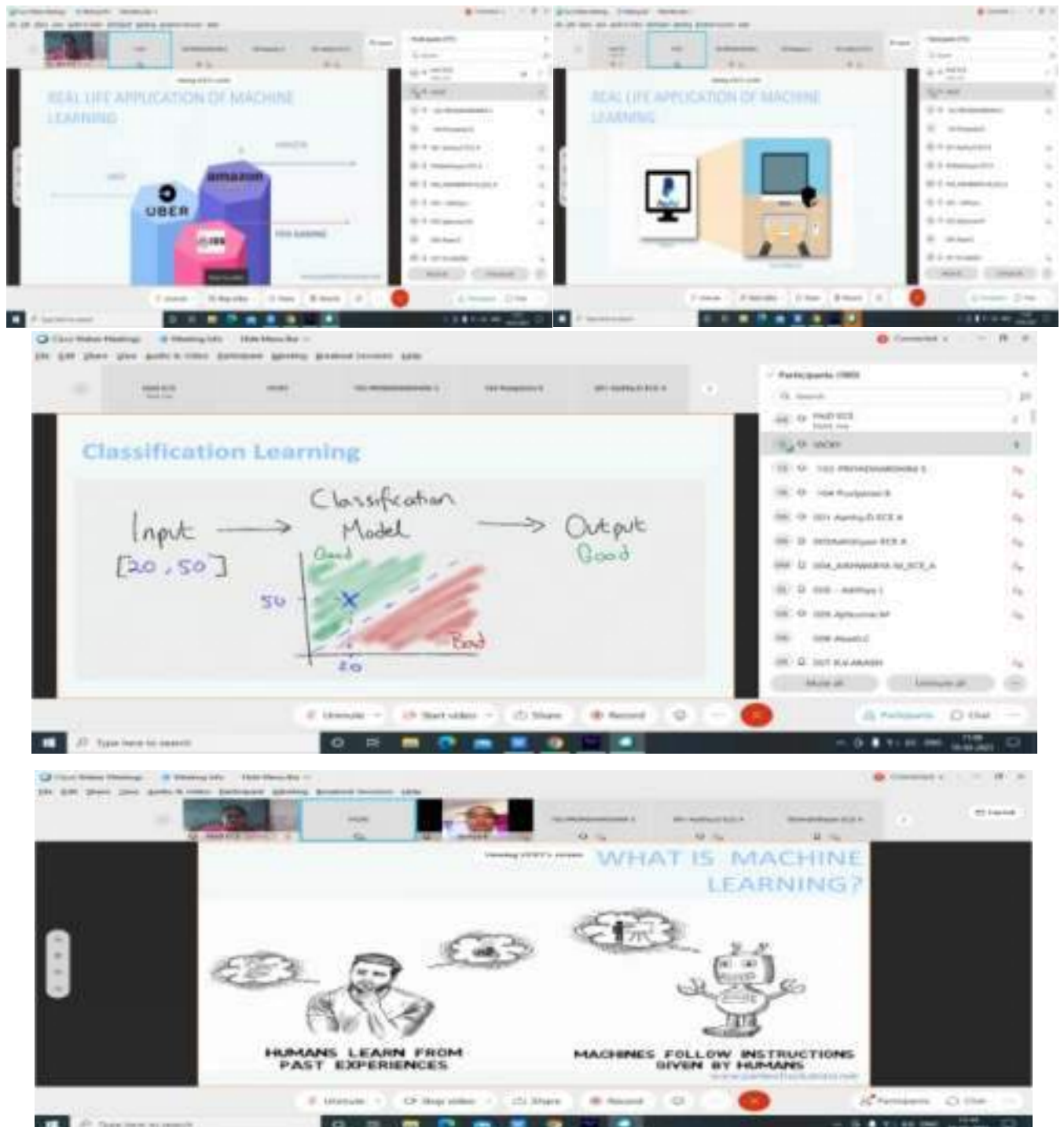
The Department of Electronics and Communication Engineering of Easwari Engineering College (Autonomous) organized workshop on “Neural Network Implementation with Python” for II and III year ECE students. The Resource person for the workshop was Mr.Jishnu.R, Project Engineer, PanTech Solutions. More than 180 students were participated and the students were gained knowledge about the recent and on-going developments, key issues and challenges, and practices in neural network and machine learning and various algorithms related to CNN were also discussed.



Workshop on “Neural Network Implementation with Python”

The Department of Electronics and Communication Engineering of Easwari Engineering College (Autonomous) organized workshop on “Neural Network Implementation with Python” for II and III year ECE students. The Resource person for the workshop was Mr.Jishnu.R, Project Engineer, PanTech Solutions. More than 180 students were participated and the students were gained knowledge about the recent and on-going developments, key issues and challenges, and practices in neural network and machine learning and various algorithms related to CNN were also discussed. Ms.R.Hema and Ms.K.Suriya thanked the resource person and students for their active participation.

Date: 10.03.2021



எண் எழுத்து இகழீழல் 2.0

DATE :10.03.2021

GUEST SPEAKER :Mr.M.Kirankumar,Assistant Professor/ECE, UHV Trainer, Career Guidance Consultant,Easwari Engineering College,Chennai

NO. OF PARTICIPANTS : 85 (12th Standard Bio-Maths Students)



SRM Group of Institutions (Ramapuram Campus) Easwari Engineering College , Department of Electronics and Communication Engineering Proudly conducted Career Guidance Programme on 10.03.2021 (10am - 11am) for the students of A.R.C Kamatchi Matriculation Higher Secondary School , Mayiladuthurai. Nearly 80 students from class 12 attended the session with high interests. The students shared their feedback at the end. Dr. Rahimmunisa Professor ECE and Mrs. Kannagi, Principal from A.R.C school gave the special and welcome address. Mr. M. KiranKumar delivered the session on Career Guidance and Dr. Saranya hosted the session and gave vote of thanks. The school management requested us to do this same programme for other classes also in future.

CAREER GUIDANCE PROGRAM

TITLE : Route towards Right Career
DATE : 18.03.2021
GUEST SPEAKER :Mr.M.Kirankumar, Asst.Prof/ECE, Easwari Engineering College



EASWARI ENGINEERING COLLEGE
An Autonomous Institution
Affiliated to Anna University
RAMAPURAM, CHENNAI

SCHOOL OUTREACH PROGRAM

IETE Student Forum and Department of
ELECTRONICS & COMMUNICATION ENGINEERING
Organises Motivational program for school students

ROUTE TOWARDS RIGHT CAREER

18.03.2021 @12.30 p.m. to 02.00 p.m.

**Kirankumar Manivannan**
Assistant Professor
Department of ECE
Easwari Engineering College

CAREER

For the students of Good Shepherd Higher Secondary School, Valasaravakkam, Chennai

CONVENER:
Dr. M. Devaraju, Prof. & Head / ECE

COORDINATORS:
Dr. D. Jessintha, Associate Professor / ECE
Ms. T. Gophika, Assistant Professor / ECE

[/SRMEaswariOfficial](#) | [/srmeaswari](#) | [/srm_easwari](#) | [srmeaswari.ac.in](#)

TARGET AUDIENCE: 11th and 12th standard students of Good Shepherd Higher Secondary School, Valasaravakkam, Chennai

No. of PARTICIPANTS : 70



IETE Student forum, ECE Department of Easwari Engineering College, organized a career guidance program "Route towards Right Career", for 11th and 12th standard students of Good Shepherd Higher Secondary School, Valasaravakkam, Chennai, on 18.03.2021 between 12.30 pm to 2.00 pm. Dr. Alphonse, Principal of Good Shepherd Higher Secondary School gave special address. Dr. D. Jessintha, Associate Professor, welcomed the gathering with a brief introduction about the speaker Mr. M. Kirankumar. Students had a very interactive and thought provoking session. The students were eager to know different graduate courses available to enlighten their career. Nearly 70 students from 11th and 12th standards have participated. The School management requested for same kind of session for their branch of Schools.

Introduction to RTL Design for Combinational and Sequential Circuits

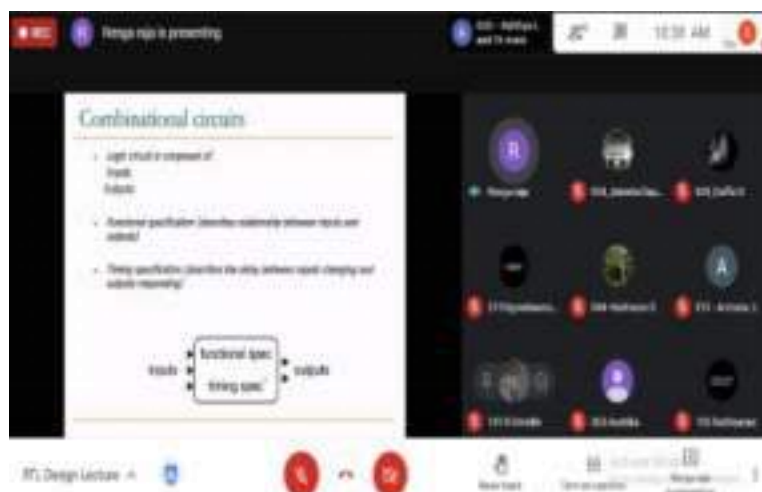
DATE : 13.03.2021

GUEST SPEAKER : Mr. Rengaraja Sudarmani, Technology Lead, SKHynix, South Korea



TARGET AUDIENCE: III Year ECE Students

No. OF PARTICIPANTS : 100



An expert lecture from industry titled, “Introduction to RTL Design for Combinational and Sequential Circuits” by Mr. Rengaraja Sudarmani, Technology Lead, SKHynix, South Korea was organized by the department of ECE on 13.03.2021. The lecture covered languages used and ASIC design. The FSM design in verilog, FPGA vs ASIC, ASIC design flow etc. The computer tools used in IC design was discussed on. The tools used in industry and the basics needed to understand it was clarified to the students. The guest speaker highlighted the opportunities available in the VLSI industry. He also explained about the expectations of the core industry and the efforts to be put forward to grab a job in the core industry. The lecture was highly informative and motivational as well.

WORKSHOP

TITLE : “FUTURE SCOPE IN ENGINEERING”

DATE :16.03.2020

GUEST SPEAKER : Mr.Shabarinath, Founder of Resprolabs, Chennai



The poster features the logos of EASWARI ENGINEERING COLLEGE and SCHOOL OUTREACH PROGRAM at the top. The main text reads: 'Department of ELECTRONICS & COMMUNICATION ENGINEERING Organises Motivational program for school students Future Scope in Engineering 16.03.2021 @ 2.00 PM - 3.00 PM'. A central image shows a white humanoid robot pointing towards the text. Below the robot is a small portrait of Mr. Shabarinath, Founder of Resprolabs, Chennai. At the bottom, the roles of the convenor and coordinators are listed: Dr. M. Devaraja (Convenor), Ms. K. Saranya and Mrs. Madhavi A. T. (Coordinators). Social media handles for SRM Easwari are provided at the very bottom.

TARGET AUDIENCE: +2 students of “Sivanthi Matriculation Hr. Secondary school”

No. OF PARTICIPANTS : 50 students



Department of Electronics and Communication Engineering of Easwari Engineering College organized motivation program for school students in Sivanthi Matriculation Hr. Secondary School, Ramapuram, Chennai on 16.03.2021 at 2.00pm. The Guest speaker, Mr.Shabarinath, Founder of Resprolabs, Chennai delivered speech on “Future Scope in Engineering”. He spoke about the importance of engineering and technology in each and every field. He also stressed that the equipment used by the doctors are the invention of engineers only. He gave wonderful lecture on basics of machine leaning and correlated with human organs, and how Artificial Intelligence is ruling the world now. The scope of Electronics and Communication engineering and its opportunities in automation industries, core companies, software industries, medical field, mechatronics, aeronautics etc were also highlighted by the speaker and he made the session very interesting and it was highly informative to the students.

The session was very interactive through number of questions asked by the school children, even students answered for the speaker questions. More than 50 students participated in the program. All the participants thanked the speaker for his motivational speech and valuable guidance for the successful career. The Head and faculty members Mrs.A.T.Madhavi, Mrs.K.Surya of ECE department thanked the management of “Sivanthi Matriculation Hr. Secondary school”, Principal, teachers and students for their intensive support and interactive participation to complete the School Outreach program with grant success.

Technological Innovations in Intel processors & start up ideas

DATE :19.03.2021

GUEST SPEAKER : Dr. S. Ewins Pon Pushpa, Assistant Professor/ECE, CEG Campus, Anna University

EASWARI ENGINEERING COLLEGE
RAMAPURAM, CHENNAI

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Special Talk on
Technological Innovations in Intel Processors & Start up ideas
Organised by
Department of Electronics and Communication Engineering

Speaker
Dr. S. Ewins Pon Pushpa
Assistant Professor/Department of ECE, CEG Campus, Anna University, Chennai

<https://eec1.webex.com/jec1/j.php?MTID=m96cd0ec3560360950833e7c8143de2e9>

Date : 19-03-2021 Time : 2.30 – 3.30 PM

Convener: Dr. M. Devaraju, Prof. & HoD/ECE
Coordinators: Dr. D. C. Diana, Asso. Prof/ECE
Mrs. K. Abirami, Asst. Prof/ECE

SPMEaswariOfficial | @spm_easwari | @spm_easwari



The department of Electronics and Communication Engineering of Easwari Engineering College (Autonomous) organized a special talk in "Technological Innovations in Intel processors & start up ideas" in collaboration with institutions innovation council (Ministry of Education Initiative). Dr. M. Devaraju, HOD/ECE welcomed the speaker and participants. Dr. E. Kalliappan, HOD/EEE felicitated the seminar. Mrs.K. Abirami , Assistant Professor/ECE welcomed the gathering and Dr.D.C.Diana Associate Professor/ECE introduced the speaker. The guest speaker was Dr. S. Ewins Pon Pushpa, Assistant Professor/ECE, CEG Campus, Anna University. More than 140 participants were in the meet. The lecture was started with an overview to the technical terms related to the Processors. The speaker enhanced the students knowledge by giving an insight to the latest i7 processor and its features. The speaker took over the session in an interesting manner by sharing the technical details in latest film AVATAR. The students gained knowledge in Intel processor. Students were interactive. Mrs. K.Abirami thanked the resource persons and participants.

EXPERT LECTURE

TITLE : RECENT TRENDS IN DESIGN AND SIMULATION OF CONTROLLERS FOR INDUSTRIAL PROCESSORS

DATE : 22.03.2021

GUEST SPEAKER: DR.LLOYDS RAJA, ASSISTANT PROFESSOR, NATIONAL INSTITUTE OF TECHNOLOGY, PATNA



TARGET AUDIENCE: II and III Years

No. OF PARTICIPANTS : 274

The department of Electronics and Communication Engineering of Easwari Engineering College (Autonomous) organized an Expert Lecture on “Design and simulation of model based control strategies for industrial processes “on 22nd March 2021. The Head of the department, Dr. M. Devaraju welcomed the gathering at 10.02 AM followed by the Introduction of chief guest by Dr. Dharini. N. The guest speaker was Dr. G. Llodys Raja, Assistant Professor, Electrical Engineering Department, National Institute of Technology -Patna. More than 273 attendees were participation in the lecture. The speaker started the talk with an overview of model-based controller design, its challenges in industrial process control. He had narrated the different types of industrial processes and their common controller design techniques in an elaborate manner. Matlab based simulation studies was presented with emphasis on performance and robustness of various control strategies. He ended the lecture with an outline for the research trends in the various control structures for an open research exploration. The session ended with an effective and interactive question and answer.

Guest Lecture - Expert Talk

TITLE : BEAMFORMING IN MIMO

DATE : 23.03.2021 - Tuesday

GUEST SPEAKER:

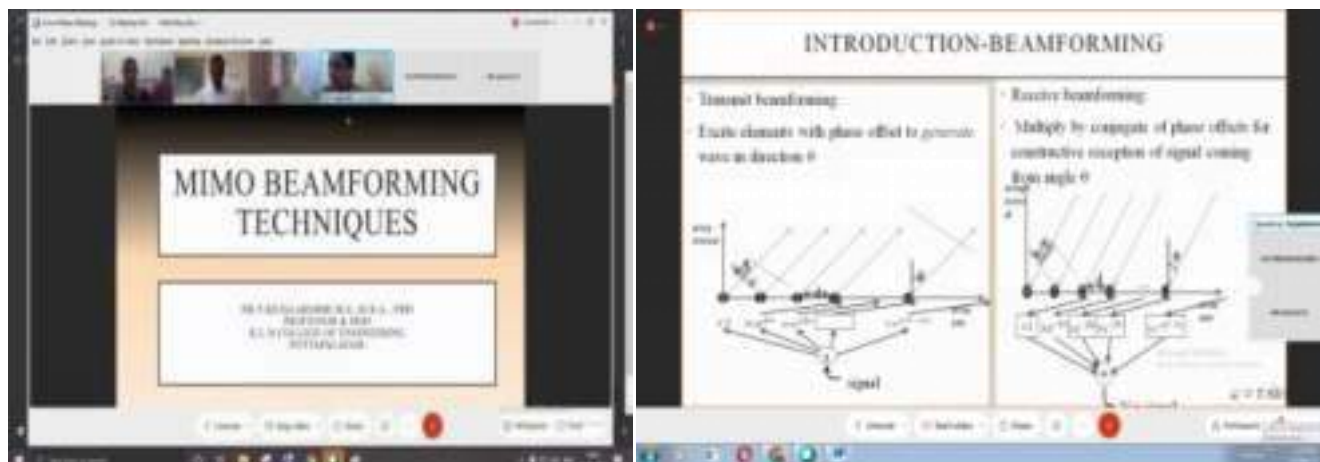
Dr. V. KEJALAKSHMI, Professor/ HOD-ECE

KLN College of Engineering, Madurai, TamilNadu

The poster is for an expert lecture titled "Beamforming in MIMO" organized by the Department of Electronics & Communication Engineering at Easwari Engineering College. The event is scheduled for Tuesday, 23.03.2021, from 2:00 p.m. to 3:00 p.m. The guest speaker is Dr. V. Kejalakshmi, Professor & Head of KLN College of Engineering. The poster includes a photo of Dr. Kejalakshmi, a diagram of a MIMO system with antennas and signal paths, and contact information for the convenor and co-ordinators. The URL <https://tinyurl.com/beamforming-mimo> is provided for registration. Social media handles for SRM Easwari are also listed at the bottom.

TARGET AUDIENCE: III Year ECE A, B, C Section Students

No. OF PARTICIPANTS : 172



An Expert talk for III ECE (A, B, C Section) students was conducted on 23.03.2021 , 2.00pm to 3.30pm through WebEx link <https://tinyurl.com/beamforming-mimo>. The proposed topic was one of the most key topic in UNIT 5 – Wireless Communication – EC8652. Convener - Dr.M.Devaraju and Coordinators - Mrs.S.Uma Maheswari and Mrs.P.Bini Palas. Dr.V.Keja Lakshmi Professor/ HOD ECE, KLN College of Engineering was the resource person. Welcome Address and Introduction about Resource person was given by S.Uma Maheswari. HOD/ECE, also addressed the students to attend the session fully and make it beneficial. Resource person gave brief talk on Challenges in wireless communication, growth of wireless communication. She gave overview on MIMO network architecture, Transmit diversity, receive diversity. She also discussed about mathematical calculations on weight vector determination. She conversed about Beam forming, types like Analog, Digital, Optimal Beam forming. Resource person also chatted about Adaptive beamforming most strategic method for present day fastest technical world. In additional with above expert person also discussed about the metrics of advanced mobile communication like MMSE and SINR and ended with applications and key detail of usage of Beamforming in present day applications. Participants were much more attentive towards this advanced topic, which gave creative thoughts to enhance research ideas.

WORKSHOP

TITLE : Web Design and Application

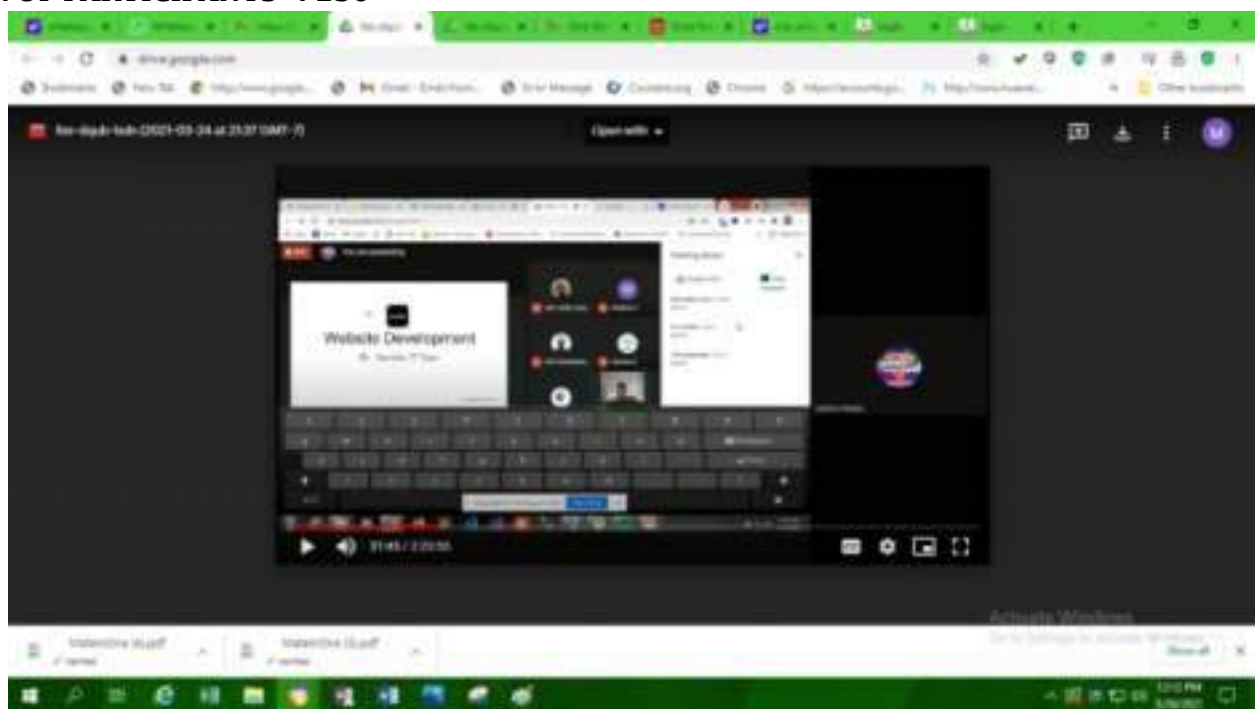
DATE :25-3-2021

GUEST : Mr. R. Darniss, founder and CEO of Sensber IT solutions



TARGET AUDIENCE: II Year students

No. OF PARTICIPANTS : 150



The Department of Electronics and Communication Engineering of Easwari Engineering College (Autonomous) organized a Workshop on “Web Design and Application” Dr.K.Rahimunnisa, Associate Professor/ECE felicitated the gathering. Dr.Vanaja, Assistant Professor/ECE welcomed the gathering and introduced the speaker to the participants. The guest speaker was Mr. R. Darniss, founder and CEO of Sensber IT solutions has presented and lectured on UI/UX, Frontend and backend design, hosting a website, Domain and service providers, progressive web Application and careers in designing website. Around 150 students participated in the event. The lecture was started with an overview of web design and applications. The speaker nourished the student’s skillset in software based designs and shared his knowledge by providing various videos. The speaker took over the session for two hours and makes the session interactive by giving small task

to find solution in java, PHP. Students gained knowledge in web designing. Mrs.A.T.Madhavi thanked the resource person and the gathering.

Career Guidance Program – CHASE YOUR DREAMS

DATE : 25.03.2021

TIME : 10.00 am to 11.30 am

GUEST SPEAKER: Mr. Kirankumar Manivannan, A.P/ECE



TARGET AUDIENCE : 12th Standard students of Government Higher Secondary School, Maranthai, Tirunelveli District

No. OF PARTICIPANTS : 80 Students



Department of Electronics and Communication Engineering of Easwari Engineering College organized a career guidance program *CHASE YOUR DREAMS* for Government Higher Secondary School, Maranthai, Tirunelveli District on 25.03.2021 at 10.00am. The program had started with a Thirukural followed by the prayer song. Dr. M. Devaraju, HoD/ECE, had delivered a motivational talk to the school students. Mrs. M. Mary Betty, Headmistress, gave an introduction speech to the students. The Guest speaker, *Mr. Kirankumar Manivannan*, *A.P./ECE* had started his speech with an enthusiastic note saying 'You are the future India and you have to be a responsible citizen'. He had highlighted the top motivational personalities who were started their career from the rural areas. He had narrated about the various graduations available for higher studies to build their future.

The students had expressed their gratitude by saying a thanks note to our college. We thanked the Headmistress and teachers of Government Higher Secondary School, Maranthai for their intensive support and interactive participation to complete the School Outreach program with grand success. We are thankful to our management for giving us this opportunity to arrange this session to enlighten the career of the rural students in Maranthai, Tirunelveli District.

MACHINE LEARNING USING OPEN SOURCE TOOL- A PRACTICAL APPROACH

DATE : 25.03.2021 and 26.03.2021

GUEST SPEAKER

Dr. Hamsagayatri Palanisamy, A.P./ECE, Sri Shakti Institute of Engineering and Technology, Coimbatore



Department of Electronics and Communication Engineering of Easwari Engineering College organized a two day workshop on " Machine learning using Open source tool- A practical approach". for III and IV year ECE students and faculty members. The Resource person for the workshop was Dr. Hamsagayatri Palanisamy, Assistant Professor, Sri Shakti Institute of Engineering and Technology, Coimbatore . More than 100 students participated and the students had a hands on session on machine learning tool- WEKA. Students were able to implement different machine learning algorithm using WEKA tool. Students found the session very useful. Mrs. Bindu Babu and Mrs. S. Caroline Jebakumari thanked the resource person.

INTERNSHIP ATTENDED BY STUDENT

S.NO.	CLASS	NAME OF THE STUDENT /REG NO	NAME OF THE INDUSTRY / ORGANIZATION	PERIOD OF INTERNSHIP	DURATION
1.	II C	V.Sandhiya 19106124	Mycaptain	1/03/2021- 24/04/2021	30
2.	II A	J Jabilo Jose 19106049	Bolt IoT	15/03/2021 - 25/03/2021	10
3.	II B	Mobica R 19106077	Leadership boulevard Pvt Ltd, Mumbai	23/11/2021 - 14/03/2021	90
4.	II C	K R Samyuktha Shruthi 19106123	Uniq Technologies	26/03/2021 - 04/04/2021	10
5.	II C	Sona Shiva 19106136	Uniq Technologies	26/03/2021 - 04/04/2021	10
6.	II C	B.Yogapriya 19106167	Uniq Technologies	26/03/2021 - 04/04/2021	10
7.	II C	D.M.Shruthupriya 19106143	Uniq Technologies	26/03/2021 - 04/04/2021	10
8.	II C	S.P.Shakthi 19106125	Uniq Technologies	26/03/2021 - 04/04/2021	10
9.	II C	V.A.Shakthisneghaa 19106120	Uniq Technologies	26/03/2021 - 04/04/2021	10
10.	II C	R.Swathy 19106154	Uniq Technologies	26/03/2021 - 04/04/2021	10
11.	III A	M.Gokulkrishna 310618106039	Larsen & Toubro, ltd, chennai	08/03/2021--20/03/2021	13 days
12.	III A	T.Chelcia Besty 310618106023	Larsen & Toubro, ltd, chennai	26/02/2021 - 18/03/2021	21 days
13.	III A	T.Bhargavi 310618106021	Larsen & Toubro, ltd, chennai	26/02/2021 - 18/03/2021	21 days
14.	III A	R.Dharshinii 310618106030	Larsen & Toubro, ltd, chennai	26/02/2021 - 18/03/2021	21 days
15.	III A	R.Catherine 310618106022	Srchout, Allahabad, Uttar Pradesh	21-01-2021 to 30-03-2021	2 months
16.	III A	S.Dharani 310618106029	HelloML , Banglore	01/02/2021 - 04/03/2021	1 month

17.	III A	S.Dharani 310618106029	The Sparks Foundation	28/02/2021 - 10/04/2021	1 month
18.	III A	S.Dharani 310618106029	CcxNews	19/03/2021 - 20/04/2021	1 month
19.	III C	M.Shivaani 310618106130	Codespeedy Technologies Pvt Ltd, West Bengal	03/03/2021 - 03/04/2021	1 month
20.	III C	M.Shivaani 310618106130	WallMag, Jaipur	22/03/2021 - 22/06/2021	3 months
21.	III A	K.Aiswarya31061810 6006	Hello ML	01/02/2021 - 04/04/2021	2 months
22.	III A	S.Balaji 310618106018	Hello ML	01/02/2021 - 04/04/2021	2 months
23.	III A	L.Archana 310618106013	Healing Dove Foundation	26/03/2021 - 23/04/2021	1month
24.	III C	C.Madhumathi 310618106072	GRIP at the Sparks Foundation	11/03/2021 - 09/04/2021	1month
25.	III C	S.Sumathi 310618106073	Pad Squad	12/03/2021 - 09/04/2021	1month
26.	IV B	Lasya Ippagunta 310617106066	Cloud SEK	02/11/2020-02/05/2021	6 months
27.	IV C	R.Sathvikaa 310617106107	WorksBot Applications	12/03/2021 - 12/06/2021	3 months
28.	IV C	G.Venkatesan 310617106146	WorksBot Applications	12/03/2021 - 12/06/2021	3 months
29.	IV C	S.Supriya 310617106135	L and T Technology Services	27/10/2020-27/04/2021	6 months

PROFESSIONAL SOCIETY ACTIVITY

S.NO	NAME OF THE PROFESSIONAL SOCIETY	DATE	ACTIVITY	NAME OF THE RESOURCE PERSON AND DESIGNATION
1	IETE	18.3.2021	IETE Career Guidance Program on "Route towards Right Career"	Mr.M.Kirankumar, Asst.Prof/ECE, Easwari Engineering College
2	IETE	20.2.2021	IETE Webinar on "Effective Framework to bridge the gap in VLSI Design"	Mr.C.G.Vignesh, Sr.Engineer – I, Microchip Technology

Faculty as Participants Faculty Development / Training Activities / SITPs

Sl. No.	Name of The Faculty	Date	Topic	Venue
1.	Ms.MK.Suriya	01.02.2021 - 16.02.2021	Applications of Augmented Reality(AR) and Virtual Reality (VR) using MATLAB	IFET Engineering College
2.	Mr.K.P.Senthilkumar	01.02.2021 - 02.02.2021	Digital Systems lab using Verilog	Pantech E learning
3.	Mr.V Dinesh	01.02.2021 - 06.02.2021	"Emerging Trends and Research Challenges in Next Generation Wireless Networks"	ECE Dept, Kongunadu College of Engineering and Technology
4.	Dr.R. Senthamizh selvi	08.02.2021 - 13.02.2021	EMERGING TRENDS IN MICRO/ NANO SENSOR AND ACTUATORS FOR INDUSTRIAL APPLICATIONS".	Sri Manakula Vinayagar Engineering College
5.	S.SURUTHI	09.02.2021 - 13.02.2021	Flexible and wearable antennas and applications	Regional college of Education, Research and Technology, jaipur
6.	Mrs.S.Uma Maheswari	15.02.2021 - 20.02.2021	Applied Soft Computing and Vision Machine Techniques	Dr.MGR.Educational and Research Institute in associated with AICTE
7.	S. Caroline Jebakumari	15.02.2021 - 19.02.2021	Wearable Devices	AICTE Training and Learning(ATAL) Academy at Anna University-Chennai
8.	Dr. K. Rahimunnisa	15.02.2021	Wearable Devices	AICTE Training and

		- 19.02.2021		Learning(ATAL) Academy at Anna University-Chennai
9.	Mr.K.P.Senthilkumar	22.02.2021 - 26.02.2021	Research Initiatives in Advanced Control Systems	EEE Dept, Muthoot Institute of Science and Technology
10.	Dr.N.Dharini	22.02.2021 - 27.02.2021	Futuristic Trends in Electrical Engineering: A Research Perspective	Dept of EEE, Karpaga Vinayaga College of Engineering and Technology
11.	Dr.V.S.Janani	22.02.2021 - 27.02.2021	Futuristic Trends in Electrical Engineering: A Research Perspective	Dept of EEE, Karpaga Vinayaga College of Engineering and Technology
12.	Mrs. P. Bini Palas	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
13.	Mrs.S.Uma Maheswari	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
14.	Mrs.T.Gophika	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
15.	Mr.B.Arivuselvam	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
16.	Mr.V. Dinesh	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
17.	Mrs.S. Suruthi	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
18.	Dr.R.Senthamizh Selvi	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
19.	Mrs.A.T.Madhavi	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
20.	Mrs.K.Abirami	24.02.2021 - 02.03.2021	Recent Trends in Medical Image Processing	EIE Dept, Easwari Engineering College
21.	Mr.V Dinesh	03.02.2021	Awareness Workshop on Credit Transfer and Domain Certification	NPTEL, IIT MADRAS
22.	Mr.V Dinesh	04.02.2021	Ford Driving Skills for Life Program	Ford India DSFL, Chennai

23.	Dr.O.Vignesh	04.02.2021	Ford Driving Skills for Life Program	Ford India DSFL, Chennai
24.	Dr.R. Senthamizh selvi	05.02.2021	Ethics in Engineering Practices	NPTEL-AICTE
25.	Mr.K.P.Senthilkumar	16.02.2021	Designing SIC-MOSFET Gate driver systems	Wurth Electronik
26.	Dr.S.Saranya	20.02.2021	SCOPE OF C PROGRAMMING 2021	Saveetha School of Engineering
27.	Mrs.R.Hema	23.02.2021	Agriculture Research through Knowledge Discovery	EBSCO Information Services
28.	Dr. K. Rahimunnisa	23.02.2021	Agriculture Research through Knowledge Discovery	EBSCO Information Services
29.	Ms.K.Abirami	23.02.2021	Agriculture Research through Knowledge Discovery	EBSCO Information Services
30.	Dr.D.Jessintha	23.02.2021	Agriculture Research through Knowledge Discovery	EBSCO Information Services
31.	Dr.R. Senthamizh selvi	23.02.2021	Agriculture Research through Knowledge Discovery	EBSCO Information Services
32.	Mrs.S. Caroline Jebakumari	23.02.2021	Agriculture Research through Knowledge Discovery	EBSCO Information Services
33.	Dr.D.Jessintha	23.02.2021	Agriculture Research through Knowledge Discovery	EBSCO Information Services
34.	Mr.M. Kirankumar	27.02.2021	Dont underestimate the power of learning	ECE Dept, Easwari Engineering College
35.	MsT.Gophika	27.02.2021	Dont underestimate the power of learning	ECE Dept, Easwari Engineering College
36.	Mr.K.P.Senthilkumar	01.03.2021 & 02.03.2021	Enabling Technologies for Future Wireless communication	AISSMS college of Engineering,Pune
37.	Mrs.P. Bini Palas	14.03.2022 - 26.03.2021	Antennas for Space Applications	Tesla Minds
38.	Mr.R.Praveen Kumar	15.03.2021 - 20.03.2021	Emerging Trends and Research Challenges in Next Generation Wireless Networks	Kongunadu College of Engineering and Technology
39.	Dr.O.Vignesh	18.03.2021 - 20.03.2021	System On Chip (SoC) Design using EDA Tools	Mepco Schlenk Engineering College Sivakasi
40.	Mr.K.P.Senthilkumar	18.03.2021 - 20.03.2021	System On Chip (SoC) Design using EDA Tools	Mepco Schlenk Engineering College Sivakasi
41.	Mr.V. Dinesh	19.03.2021 - 25.03.2021	Emerging Trends in Networks and IoT	Infinity Management and Engineering College, Sagar
42.	Ms.T.Gophika	22.03.2021	Medical Image Processing	IT Dept, Easwari

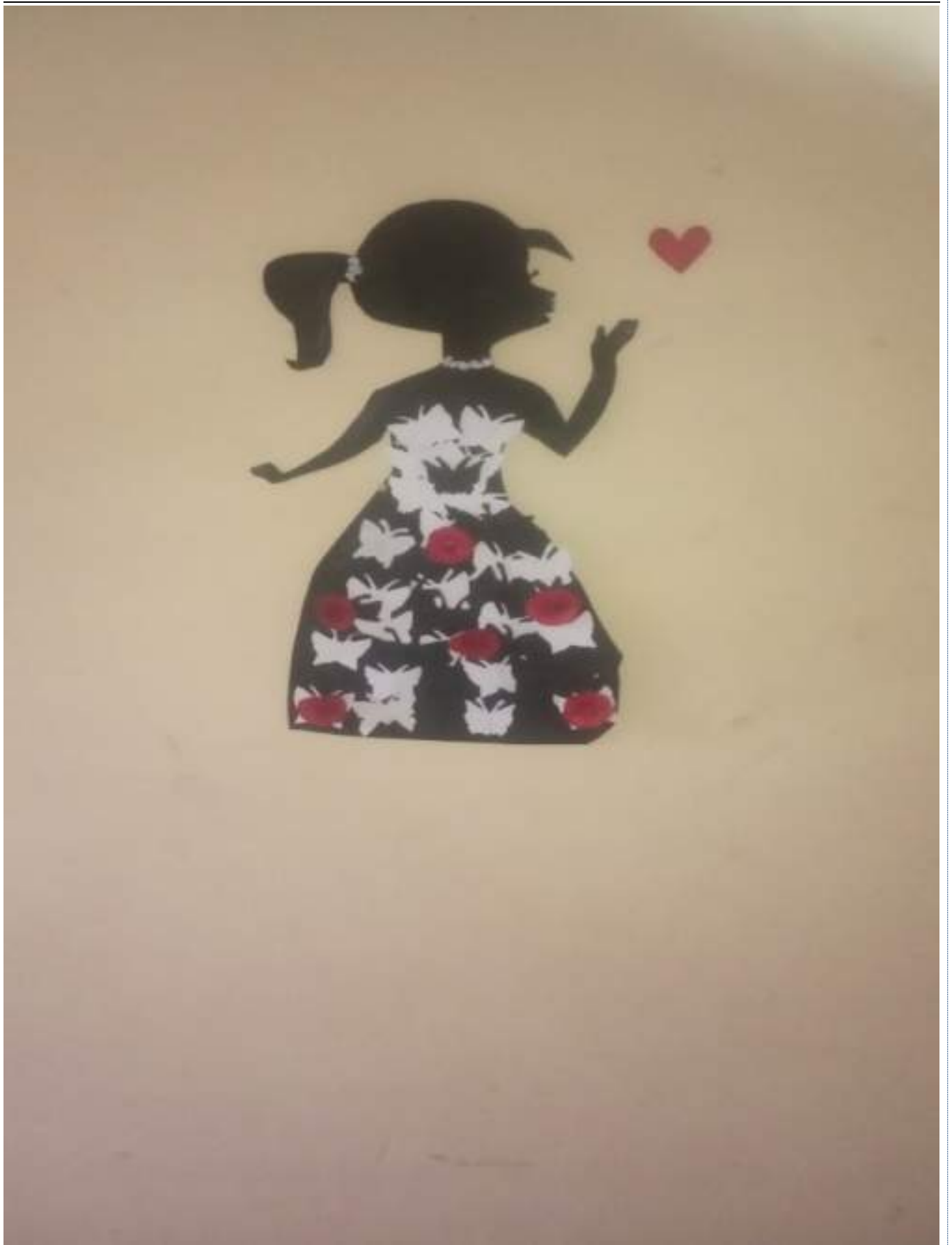
		- 26.03.2021	using Artificial Intelligence -A research perspective	Engineering College
43.	Mrs.K.Abirami	22.03.2021 - 26.03.2021	Medical Image Processing using Artificial Intelligence -A research perspective	IT Dept, Easwari Engineering College
44.	Dr.R.Senthamizh Selvi	22.03.2021 - 26.03.2021	Medical Image Processing using Artificial Intelligence -A research perspective	IT Dept, Easwari Engineering College
45.	Mr.B.Arivuselvam	23.03.2021 - 29.03.2021	AICTE-ISTE sponsored Six Days Induction/Refresher Programme on Recent Trends in EV Technologies	EEE Dept, Easwari Engineering College
46.	Dr.R.Senthamizh Selvi	23.03.2021 - 29.03.2021	AICTE-ISTE sponsored Six Days Induction/Refresher Programme on Recent Trends in EV Technologies	EEE Dept, Easwari Engineering College
47.	Mrs.K.Abirami	23.03.2021 - 29.03.2021	AICTE-ISTE sponsored Six Days Induction/Refresher Programme on Recent Trends in EV Technologies	EEE Dept, Easwari Engineering College
48.	Dr. S.R.Sriram	25.03.2021 - 26.03.2021	Machine Learning using open source tool A practical approach	Easwari Engineering College
49.	Mr.K.P.Senthilkumar	25.03.2021 - 31.03.2021	Integration of Pedagogical strategies with ICT for Transformation of of Engineering Education	PSG Institute of Technology and Applied Research Coimbatore.
50.	Mr.V. Dinesh	25.03.2021 - 31.03.2021	Integration of Pedagogical strategies with ICT for Transformation of of Engineering Education	PSG Institute of Technology and Applied Research Coimbatore.
51.	Mrs.S. Suruthi	25.03.2021 - 31.03.2021	Integration of Pedagogical strategies with ICT for Transformation of of Engineering Education	PSG Institute of Technology and Applied Research Coimbatore.
52.	Mrs.S.Uma Maheswari	27.03.2021 - 30.03.2021	Big data, Machine Learning for 5G Communications	NIT, Waranngal, INDO-UK SPARC
53.	Mrs.S. Caroline Jebakumari	06.03.2021	Challenges in designing Antennas for Space Applications	Tesla Minds
54.	Mrs.P. Bini Palas	06.03.2021	Challenges in designing Antennas for Space Applications	Tesla Minds
55.	Dr.S.Vanaja	09.03.2021	Energy conservation through building Automation Systems	Jansons Institute of Technology Energia

				Club
56.	Mr.V. Dinesh	9.03.2021	Energy conservation through building Automation Systems	Jansons Institute of Technology Energia Club
57.	Mr.V. Dinesh	16.03.2021	Human Values and Professional Ethics	Annapoorna Engineering College, Chennai

STUDENT CORNER



BY,
Ms.M. Divya preetha
III YEAR ECE 'A' SECTION



**BY,
Ms.M. Divya preetha
III YEAR ECE 'A' SECTION**



By

J. JEBISHA DAPHNI

22.02.2021

(3rd ECE - A)





**BY,
Mr.ADHITHYA
III YEAR ECE 'A' SECTION**



**BY,
Mr.ADHITHYA
III YEAR ECE 'A' SECTION**



AUTONOMOUS

Reach Us

**THE DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

EASWARI ENGINEERING COLLEGE

Bharathi Salai, Ramapuram,

Chennai - 600 089.

Tamil Nadu, India .

Tel : 91 - 44 - 2249 0853, 2249 5420, 4392 3041.

E-mail : eecw@vsnl.com

WE ARE ON THE WEB : WWW.SRMEASWARLAC.IN