



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

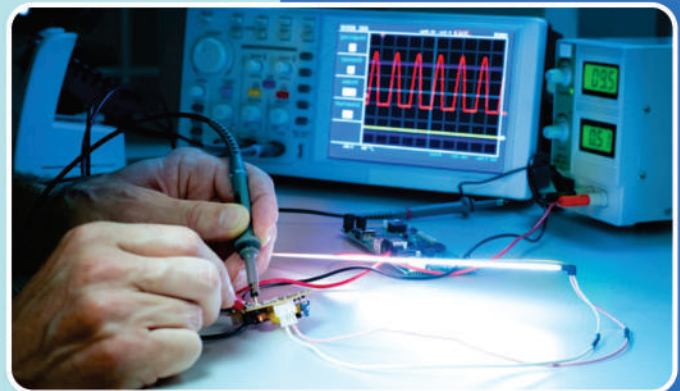
**NEWS LETTER**  
(JANUARY To JUNE 2021)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### About the Department ...

The Department of Electronics and Communication Engineering was established in the year 2011 with an intake of 60 undergraduate students. Since then, the department has come a long way and is now regarded as one of the premiere departments of the institution with an intake of 120 undergraduate students and 18 post graduate students per year.

It is equipped with outstanding infrastructure and boasts of a unit of 21 young and dynamic faculty members and sincere staff who work with zeal and enthusiasm to provide a vibrant and optimum learning environment to the students and help them acquire the skills which are required to excel in today's competitive environment.



The Department has four recognized research guides under Anna University, Chennai. At present ten internal research candidates and two external research candidates are pursuing their PhD program under the Department of Electronics and Communication Engineering. The department believes in serious academic pursuit and encourages radical and original thinking which paves the way for creativity and innovative ideas. The qualities inculcated into the students make them not only good engineers but good human beings also. The excellent placement record which has been consistently above 80 % for the past several years, alone of our students is ample testimony to the emphasis that has been placed on the industrial needs of our country.

[www.ssmiet.ac.in](http://www.ssmiet.ac.in)

VOL-4, ISSUE-2, July 2021

### EXECUTIVE COMMITTEE

#### Convenors

**Dr.D.Senthil Kumaran**  
Principal

**Dr. S.KARTHIGAI LAKSHMI**  
Professor & Head.

#### Editorial Board

**Mr. R.CAROL PRAVEEN**, AP/ECE  
**Mrs.A.PARAMESWARI**, AP/ECE

#### Student Members

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<b>Imrana Parveen J</b>	IV ECE
<b>Sivasubramanian P</b>	III ECE
<b>Shamini S</b>	III ECE
<b>Chitra S</b>	II ECE
<b>Asleena A</b>	II ECE

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## Vision :

To empower students with essential skills in engineering by imparting in-depth conceptual knowledge in Electronics and Communication Engineering domain to meet technological excellence, professional commitment, and social responsibility.

## Mission :

- To equip students with current trends and latest technologies in the field of Electronics and Communication Engineering through innovation in learning, research, and state of the art laboratories.
- To establish a conducive environment for the students to develop professionalism, leadership qualities, and entrepreneurial skills with high ethical standards for self and social development.
- To equip students to provide appropriate solutions with their conceptual knowledge to address societal needs.

## FUNCTIONS

S.NO	ACTIVITY	DATE	NAME OF THE FACULTY (CO-ORDINATOR)	CHIEF GUEST / RESOURCE PERSON/ CHAIR PERSON	NUMBER OF PARTICIPANTS
1	Paper Presentation (TECHNOFILIA-2k21)	19/03/21	Dr.C.Sujatha AsP/ECE Mr. M. Manikandan AP/ECE Mr.V.P.Jay Fantin AP/ECE	Dr. S. Karthigai Lakshmi Prof & Head/ECE/SSMIET	20 teams(2 in each) from II and III Year ECE students from SSMIET
2	Technical Quiz (TECHNOFILIA-2k21)	19/03/21	Dr.C.Sujatha AsP/ECE Mr. M. Manikandan AP/ECE Mr.V.P.Jay Fantin AP/ECE	Dr. S. Karthigai Lakshmi Prof & Head/ECE/SSMIET	102 ECE students from SSMIET
3	National E Conference on Research Trends in Communication and Information Technologies (NCRTCIT-21)	09/04/21	Dr.C.Sujatha AsP/ECE Mr. M. Manikandan AP/ECE Mr.V.P.Jay Fantin AP/ECE	Dr. S. Karthigai Lakshmi Prof & Head/ECE/SSMIET	50 Students

## EVENT DETAILS

S.NO	DATE OF THE EVENT	NAME OF THE EVENT	NAME OF THE FACULTY (CO-ORDINATOR)	CHIEF GUEST DETAILS
1	20/01/2021	Career Options For Engineers	Dr.C.Sujatha, Mr.V.P.Gokulan, Mr.S.Karthik	Mr.Deepan, Assistant Manager, BALSU'S academy, Madurai
2	05/04/2021	Workshop on Troubleshooting & Maintenance of electronic equipments	Dr.K.Vinoth Kumar, Mr.R.Senthil Kumar, Mr.J.Vetrimanikumar	Mr.Balasubramaniyan BE, Technical lead, Skyworth India Electronics Private Limited, Hyderabad, (around 82 Students)
3	05/04/2021	Seminar on "Intellectual Property Rights"	Convener Dr.K.Vinoth Kumar Coordinator M.Jeyalakshmi, V.Jeevanantham	Dr.S.Gopinath IIC Ambassador Assoc. Professor Karpagam Institute of Technology, Coimbatore (84 Participants)
4	21/04/2021	Career Guidance Program	Dr.C.Sujatha, Mr.V.P.Gokulan, Mrs.G.Saranya	Mr.Prabhakaran (IRS), Mr.Saravanan (CLS), Mr.Rajadurai (IIS)
5	15/05/2021	One day seminar on Industry's Expectations and Future Technologies to Upgrade	Dr.S.Karthigailakshmi, Professor & Head / ECE, Dr.K.Vinoth Kumar, AsP / ECE	Mr.M.P.Manickarajan, Project Manager, Robert Bosch, Coimbatore.
6	09/06/2021	One day seminar on Awareness program for IoT platform and it's application.	Dr.S.Karthigailakshmi, Professor & Head / ECE, Dr.K.Vinoth Kumar, AsP / ECE	Mrs.R.Rajeswari, Technical Head, Silicon Networking and Technology, Bangalore.
7	12/06/2021	Webinar on "Industry 4.0-Revolutionising Future Technologies" Mr. B. Chandrasekhar, Trainee Engineer, VAKEN Technologies Pvt Ltd.	Dr.K.Rajesh, AP/ECE, Mr.Senthilkumar, AP/ECE, Mrs.A.Parameswari, AP/ECE	Mr. B. Chandrasekhar, Trainee Engineer, VAKEN Technologies Pvt Ltd.
8	13/06/2021	One day seminar on Embedded Systems in Industry Automation.	Dr.S.Karthigailakshmi, Professor & Head / ECE, Dr.K.Vinoth Kumar, AsP / ECE	Mr.N.Gopinath Assistant Manager, Indian Nippon Electricals Ltd, Hosur
9	15/06/2021	One day Webinar on "Career Opportunities in Artificial Intelligence, Machine Learning and Deep Learning	M.Jeyalakshmi,AP/ECE, A.Geetha,AP/ECE	K .Ram Prabhakar TCS Innovation labs Bengaluru

## CO-CURRICULAR ACTIVITIES

S.No	Name of the student	Title of the Event	Date	Name of the Organizing Institute
1.	Kiruthika S	National level technical Quiz on Cyber Security	24/04/2021	JAIN (Deemed to be University), Bangalore
2.	Madhumitha R	National level technical Quiz on Cyber Security	24/04/2021	JAIN (Deemed to be University), Bangalore
3.	Mahalakshmi R M	National level technical Quiz on Cyber Security	24/04/2021	JAIN (Deemed to be University), Bangalore
4.	Keerthana T	National level technical Quiz on Cyber Security	24/04/2021	JAIN (Deemed to be University), Bangalore
5.	Pandi Devi S	National level technical Quiz on Cyber Security	24/04/2021	JAIN (Deemed to be University), Bangalore
6.	Mohamed Akil J	National level online quiz on "Power Electronics& devices"	27/05/2021	Mandsaur University, Madhya Pradesh.
7.	Saathanna G P	National level online quiz on "Power Electronics& devices"	27/05/2021	Mandsaur University, Madhya Pradesh.

## IN-PLANT TRAINING/INTERN SHIP:

S.No	Name of the student	Title of the Event	Duration	Name of the Organizing Institute
1.	Sajitha V	Internship on IOT, ML	18/1/2021 to 17/3/2021	Inventrom Pvt Ltd, Bengaluru
2.	Sasipriya S	Internship on IOT, ML	18/1/2021 to 17/3/2021	Inventrom Pvt Ltd, Bengaluru

## CONFERENCES

S.No	Name of the Student	Title of the Paper	Conference Details	Organizing College/Company
1	Dhanapal J	Classification Of Brain Image Extraction Using Deep Convolutional Neural Network	International E Conference on Recent Development in Engineering and Technology	Dhaanish Ahmed Institute of Technology, April, 3 2021
2	Dhinakaran M	Classification Of Brain Image Extraction Using Deep Convolutional Neural Network	International E Conference on Recent Development in Engineering and Technology	Dhaanish Ahmed Institute of Technology, April, 3 2021
3	Gokula Krishnan S	Classification Of Brain Image Extraction Using Deep Convolutional Neural Network	International E Conference on Recent Development in Engineering and Technology	Dhaanish Ahmed Institute of Technology, April, 3 2021
4	Hariharan R	Classification Of Brain Image Extraction Using Deep Convolutional Neural Network	International E Conference on Recent Development in Engineering and Technology	Dhaanish Ahmed Institute of Technology, April, 3 2021
5	Kaviya K	Framework For A Smart Water Management And Distribution System in context of smart village Initiatives in Dindigul District	7th International E Conference on latest trends in Science and Technology, 26th and 27th of March 2021	Karpagam Institute of technology Coimbatore
6	Lavanya J	Framework For A Smart Water Management And Distribution System in context of smart village Initiatives in Dindigul District	7th International E Conference on latest trends in Science and Technology, 26th and 27th of March 2021	Karpagam Institute of technology Coimbatore
7	Mounika M	Framework For A Smart Water Management And Distribution System in context of smart village Initiatives in Dindigul District	7th International E Conference on latest trends in Science and Technology, 26th and 27th of March 2021	Karpagam Institute of technology Coimbatore
8	Paraloga Selvi I	Framework For A Smart Water Management And Distribution System in context of smart village Initiatives in Dindigul District	7th International E Conference on latest trends in Science and Technology, 26th and 27th of March 2021	Karpagam Institute of technology Coimbatore

9	Siva Sakthi Balan S	Detect And Segment The Brain Tumor Locus Using Image Registration And Neuro-Fuzzy Classification	3rd International Conference on New Scientific Creations in Engineering and Technology, 19th March 2021	Nadar Saraswathi college of Engineering and Technology
10	Vigneshwaran M	Detect And Segment The Brain Tumor Locus Using Image Registration And Neuro-Fuzzy Classification	3rd International Conference on New Scientific Creations in Engineering and Technology, 19th March 2021	Nadar Saraswathi college of Engineering and Technology
11	Yaswanth Kumar S	Detect And Segment The Brain Tumor Locus Using Image Registration And Neuro-Fuzzy Classification	3rd International Conference on New Scientific Creations in Engineering and Technology, 19th March 2021	Nadar Saraswathi college of Engineering and Technology
12	Muthu Nagavel K	Detect And Segment The Brain Tumor Locus Using Image Registration And Neuro-Fuzzy Classification	3rd International Conference on New Scientific Creations in Engineering and Technology, 19th March 2021	Nadar Saraswathi college of Engineering and Technology
13	Sneka K	Computer Aided Automatic Detection Of Glioblastoma Tumor In Brain Using Improved Classifier	3rd International Conference on New Scientific Creations in Engineering and Technology, 19th March 2021	Nadar Saraswathi college of Engineering and Technology
14	Varshini B	Computer Aided Automatic Detection Of Glioblastoma Tumor In Brain Using Improved Classifier	3rd International Conference on New Scientific Creations in Engineering and Technology, 19th March 2021	Nadar Saraswathi college of Engineering and Technology
15	Alagu Deivanai R M	Computer Aided Automatic Detection Of Glioblastoma Tumor In Brain Using Improved Classifier	3rd International Conference on New Scientific Creations in Engineering and Technology, 19th March 2021	Nadar Saraswathi college of Engineering and Technology

## JOURNAL PUBLICATIONS:

S.No	Name of the Student	Title of the Paper	Journal Details
1	Loga Dharsini A	Recognition Of Fly Species - Locust Based On Improved Resnet	International Research Journal of Engineering and Technology, e-ISSN: 2395-0056, Volume: 08 Issue: 03   Mar 2021, P.No.1
2	Monica P M	Recognition Of Fly Species - Locust Based On Improved Resnet	International Research Journal of Engineering and Technology, e-ISSN: 2395-0056, Volume: 08 Issue: 03   Mar 2021, P.No.1
3	Padma Bhagavathi S A	Recognition Of Fly Species - Locust Based On Improved Resnet	International Research Journal of Engineering and Technology, e-ISSN: 2395-0056, Volume: 08 Issue: 03   Mar 2021, P.No.1
4	Vinudeepthi S	Recognition Of Fly Species - Locust Based On Improved Resnet	International Research Journal of Engineering and Technology, e-ISSN: 2395-0056, Volume: 08 Issue: 03   Mar 2021, P.No.1

## PATENT :

FACULTY NAME	TITLE	DETAILS
Mr.M.Manikandan, Mrs.M.Jeyalakshmi, Mrs.A.Pameswari	CNN based fast lithium ion battery capacity estimation for electric vehicle	202141025921



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