



PANIMALAR ENGINEERING COLLEGE

An Autonomous Institution

Affiliated to Anna University, Chennai
(JAISAKTHI EDUCATIONAL TRUST)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INNOVATRONIX

2021 - 2022

NEWS LETTER

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Message

Dr. P. Chinnadurai, M.A., Ph.D.
Secretary & Correspondent

Success is all about respecting the past and creating the future. I wish the institution the very best in delivering quality education to all walks of the society.



Dr. C. Sakthi Kumar, M.E., Ph.D. Director

As we speak, technology around us changes. Innovation has become the buzzword. We at Panimalar group of institutions, create and carve out a niche for the students, and we make them believe that “education for life” rather than “education for living”.

Mrs. C. Vijayarajeswari
Director

One of the greatest challenges and opportunities in the modern day is preparing today's students for tomorrow's needs. We tutelage the students to embrace the change and move forward in this competitive environment.



Dr. Saranyasree Sakthi Kumar, B.E., M.B.A., Ph.D.
Director

At Panimalar, we identify student's potential, convert them into talent and elevate the talent to infinite possibilities. We condition the students for the challenges ahead and groom them to be responsible citizens.

Message

Dr. K.Mani, M.E, Ph.D Principal

I am pleased to share with you the newsletter from Department of ECE, Panimalar Engineering College. You will be delighted to go through this volume that will connect you to the many activities of this dynamic department. Let this news letter and series of such letters keep us all continuously informed about all the developments of the department in the years to come. I wish the Head of the Department, all the staff and students of the department for having taken the best initiatives in bringing out this Newsletter.



Dr.P.Kannan, M.E, Ph.D. Prof. & HOD / ECE

On behalf of the Department of ECE, Panimalar Engineering College, it gives us immense pleasure in presenting this newsletter. It was exhilarating being the editors of this issue. This newsletter focuses on the happenings of the semester along with the incredible achievements of our students and staff. We humbly hope that this newsletter will be giving you an excellent insight on the various achievements by the members of our department.



FACULTY EDITOR : Dr. S.SHIBU, M.E, Ph.D.

STUDENT EDITOR : SAKTHIVEL .P (III ECE)

SHANMUGAVEL .M (III ECE)

VISION

To emerge as a Centre of excellence in providing quality education and produce technically competent Electronics and Communication Engineers to meet the needs of the industry and society.

MISSION

M1: To Provide the best facilities, infrastructure and environment to our students, researchers and faculty members to meet the challenges in the field of Electronics and Communication Engineering.

M2: To provide quality education through effective teaching learning process for their future career, viz placement and higher education.

M3: To provide insight in to the core domains with industry interaction.

M4: To prepare graduates adaptable to the changing requirements of the society through life long learning.

ABOUT THE DEPARTMENT



Panimalar Engineering College affiliated to Anna University, Chennai, was established in the year of 2000. The Department of Electronics and Communication Engineering offers the following programs. B.E. – Electronics and Communication Engineering (4 Years) M.E. – Communication Systems (2 Years) Ph.D. – Electronics and Communication Engineering (Full time / Part time).

The main focus of the ECE department is to impart technical education that meets international standards in the field of Electronics and Communication for the benefit of the society. The department has three centres of excellence to promote research and development with industry collaboration.

Centre of excellence in Robotics and IOT helps to foster innovation and develop industrial automation solutions. Centre of Excellence in Drones helps to train and upskill students for the future of unmanned aerial vehicle technology to make them industry ready and empower their technical skills in the drone technology space. Centre of excellence on Reconfigurable Wireless Technologies is developed to promote research and publications in various domains spanning from basics of circuits to emerging 6G wireless technologies.

Undergraduate students, post graduate students and Research scholars of the department are well qualified to meet the demands of the Industry and Research Organization. Our department is equipped with eminent faculty members who are expertise in various technical domains. The total strength of regular teaching faculty members in the department is 72, of which 32 of them are doctorates and all the remaining staff members are qualified with Masters Degree. The research activities are carried out by a group of expert research members.

The overall focus of the department is to

- **Emphasis elemental knowledge of the subjects.**
- **Provide exposure to the emerging technologies.**
- **Inculcate strong research and development activities.**

Our department has various technical and non-technical clubs that provide opportunities for students to explore their interests, develop leadership skills, and engage in community service. We also emphasize soft skills training, including communication and personality development, ensuring that our students are well prepared for the professional world.



STUDENTS EVENTS PARTICIPATED

AY 2021-2022

Sl. No	Name of the Student	Title	Name of the Event	Organization	Duration
1.	Raja kumaran J	World Environment Day 2021	World Environment Day 2021	Pmist(Periyar Maniammai Institute Of Science And Technology)	05.06.2021
2.	Chaarubhala K	Introduction to Digital marketing	Course	Great learning academy	13-07-2021
3.	Sneka Prabha.S	Machine learning ,Data science and deep learning with python	Course	Udemy	15-07-2021
4.	Janani.K.S	Campus Ambassador	Workshop	International Model United Nations	23-07-2021 to 27-07-2021
5.	Janani.K.S	Internet Of Things	Workshop	Barola Technologies	29-07-2021
6.	Santhana Lakshmi.S	Advanced Study On Video And Audio Processing, Compression And Transcoding	Workshop	River Silica Technologies And PEC	11.08.2021 to 14.08.2021
7.	Aderu Dinesh	Advanced Study Of Video And Audio Processing, Compression And Transcoding	Workshop	Riversilica Technology PVT LMD	11.08.2021 to 15.08.2021
8.	Jayashree S	Trainee	Workshop	Fritzmeier Motherson Cabin Engineering Private Limited	14-08-2021 to 31-08-2021

STUDENTS EVENTS PARTICIPATED

AY 2021-2022

Sl. No	Name of the Student	Title	Name of the Event	Organization	Duration
9.	Chaarun Bhalak	Trainee	Workshop	Fritzmeier Motherson Cabin Engineering Private Limited	14-08-2021 to 31-08-2021
10.	Sangeetha .J	Fundamentals of javascript and DOM	Workshop	GDG Ranchi	26-08-2021
11.	Deepika V	Master the C Programming Language	Course	Udemy	27-08-2021
12.	Kamal Simman.G	Embedded	Workshop	U.N.I.Q Technologies	30-08-2021
13.	Priyanga Elangovan	Nationwide data science foundation course	Workshop	Innomatics research lab	30.08.2021
14.	Janani.K.S	Software Testing	Workshop	Bestenlist	31-08-2021
15.	Sarabesh Kannaa	Embedded Systems	Workshop	NITK & Pantech	13-09-2021 to 15-9-2021

WORKSHOP AND HANDS ON TRAINING

Si. No	Type of Collaborative Activity	Name of the Collaborating Agency with Contact Details	Duration	Nature of the Activity	Number of the Participant
1	Hands on Training	Mrs. Laxmipriya R, Technical Trainer	31/05/2021 To 30/07/21, 70 hours	C Programming and Data Structures with Algorithm	40
2	Hands on Training	Dr.P.Essakimuthu MaxLiv, Chennai	11/08/2021 to 15/08/21, 5 days	Workshop on "Video and Audio Processing, Compression and Transcoding"	101
TOTAL					141