

ABOUT THE INSTITUTION

PAAVAI ENGINEERING COLLEGE was started in the year 2001 and promoted by PAVAI VARAM EDUCATIONAL TRUST with the basic principle of providing purposeful, goal-oriented technical education and establishing a center of excellence in Engineering & Technology. The college is approved by AICTE, accredited NAAC with 'A' Grade & affiliated to Anna University, Chennai. The College has 20 UG programs and 7 PG programs. It also has the vision to strive to be a globally model institution all set for taking 'lead-role' in grooming the younger generation socially responsible and professionally competent to face the challenges ahead. It has obtained research grants from Indo-UK Projects, MSME, AICTE, CSIR, DRDO, TNSCST and other funding agencies. The college attracts outstanding students by virtue of its discipline, modern infrastructure, library and faculty.

ABOUT THE DEPARTMENT

The department of Electronics and Communication Engineering is offering B.E(ECE) and M.E (Communication Systems). The department is thrice accredited by NBA, New Delhi and permanently affiliated to Anna university, Chennai. The department promotes R & D activities in related areas in collaboration with industries. The department is enriched with state-of-the-art lab equipments in Circuits lab, R&D lab, VLSI lab, Communication systems lab, Embedded & IoT lab, Networks lab, Virtual & Augmented Reality lab etc. The faculty members are well-experienced and dedicated towards the upliftment of the student community. The students are exposed to the practical and industrial aspects of the subjects through laboratory works, Industrial visits, Internship trainings regularly. Competent faculty, good academic results, University ranks, consistent placement records are the highlights of the department.



ORGANIZING COMMITTEE

CHIEF PATRONS

Shri. CA N.V. NATARAJAN,

Chairman, Paavai Institutions,
Namakkal.

Smt. MANGAI NATARAJAN,

Correspondent, Paavai Institutions,
Namakkal.

PATRONS

Dr. K.K. Ramasamy,

Director - Admin, Paavai Institutions,
Namakkal.

Dr. M. Premkumar,

Principal,
Paavai Engineering College, Namakkal.

CONVENER

Dr. M.Sudha,

Professor & Head, ECE,
Paavai Engineering College, Namakkal.

COORDINATORS

Dr.S.Vijayakumar, Professor, ECE

Ms.K.Prasanna Mery, AP,ECE

Mr.S.Loganathan, AP,ECE

Mr.S.Satheeshkumar, AP, ECE

Paavai Engineering College, Pachal, Namakkal.



CSIR Sponsored

**A Two Days National Level Workshop
On**

**Intelligence of
Silicon Carbide (SiC) and its Impact
in Industry 4.0**

On

27th - 28th October 2023

Organized by

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

(Affiliated to Anna University, Chennai)

Approved by AICTE and Accredited by NAAC with 'A' grade)

NH - 44, Pachal, Namakkal - 637 018.
Tamil Nadu.

website: www.pec.paavai.edu.in

ADDRESS FOR COMMUNICATION

The Convener,

Department of ECE,

Paavai Engineering College (Autonomous)

NH-44, Pachal, Namakkal- 637 018.

Mobile : +91 99655 43188

E-Mail : pececehod@paavai.edu.in

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A Two Days National Level Workshop On **Intelligence of Silicon Carbide(SiC) and its Impact in Industry 4.0**

Organized by

**Department of Electronics and Communication
Engineering**
Registration Form

Name :
Date of birth & Age :
Qualification :
Experience if any :
Designation & Dept. :
Organization :
Address for Communication :

Mobile No :
Email Id :
Title of the Paper :
Accommodation :
DD No :
Bank :

Signature of the Participant

SCOPE & OBJECTIVE OF THE WORKSHOP

To create the young budding students, Engineers and industrialist understanding the cause and effect of **e-waste** due to the usage of silicon in components manufacturing. The main purpose of the workshop focused to **developing specific and unique high-temperature crystal growth** processes of **Silicon Carbide (SiC)** electronics. By using these technology can **reduces the e-waste** and create a **pollution free** environment. By considering this issues, we are planned to conduct a 2 days' workshop to teach and provide the technological **solution to the Digital world with Silicon Carbide (SiC)**.

COURSE CONTENTS

- Introduction to Silicon Carbide(SiC) Materials
- Key role of Silicon Carbide(SiC) in Industry 4.0
- Impacts of Silicon Carbide(SiC)
- Hand on session in Silicon Carbide(SiC) materials in Electronic devices
- Future scope of SiC in Industry 4.0
- Applications of SiC.

Sessions will be handled by Industrial Experts.

EXPECTED OUTCOMES

The participants will be able to

- form an extremely hard ceramic substance making it useful for applications in automotive brakes and clutches, and also in bulletproof vests.
- work for different project applications using Silicon Carbide (SiC)

TARGET AUDIENCE

Faculty, Students from AICTE approved institutions and research scholars are eligible to participate in the Workshop.

The selection will be based on **first come first serve**.

REGISTRATION

Registration Fees	Rs. 500/-
Last date of submission of filled application	25.10.2023
Confirmation of participants via Email	26.10.2023

The participants are requested to duly fill in the registration form and send it to the Convener through email.

REGISTRATION LINK:

<https://forms.gle/Wxh8CNf7csxss5Wb8>

BANK DETAILS:

Name of the Account: Pawai Varam Educational Trust

Account Number: 510101002922461

IFSC Code: UBIN0902021

Bank Name:& Branch: Union Bank of India, Namakkal

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____ is sponsored to attend the CSIR Sponsored A Two Days National Level Workshop on Intelligence of Silicon Carbide (SiC) and its Impact in Industry 4.0.

Place:

Date: _____ Signature of the Sponsoring Authorities

