



Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's
Mauli Group of Institution's,
College of Engineering & Technology, Shegaon
Name of Committee : IETE STUDENTS FORUM (ISF)
A.Y.: 2025-2026



ISF ACTIVITY REPORT
AY: 2025-2026

Sr. No	Name of Activity	No of Students	Dates
1	Industry Expert Talk On “Career Opportunities In Core Electronics Sector”	100	09/09/2025
2	Two Days Workshop On “Arduino Programming: Blink, Buzz, Build”	60	11/10/2025 To 12/10/2025
3	Online Session On “Semiconductor Workforce Development”	65	16/10/2025
4	Organized Competition On “College Level AVISHKAR 2025”	20	08/11/2025
5	Seminar On “Need of Electronics In Automation Industry”	125	19/11/2025
6	One Week Workshop On “Industrial Approach In Electronics”	60	03/12/2025 To 07/12/2025

Prof. P. R. Bhakare
ISF Coordinator

Dr. C. M. Jadhao
Principal

College Level “AVISHKAR-2025”

Programme Venue	“College Level AVISHKAR 2025”
Programme Schedule	08/11/2024 at 11.00AM to 05.00 PM, ENTC Research Lab Room No. 122
Programme Mode	Offline
Details of Evaluator	Dr. A.S. Manekar (HOD of CSE Department) Dr. P.M.Hasbnis (HOD of IT Department) Dr. Rahul Ingle (HOD of ME Department)
Total Number of Students Participated in the Programme	20
Total Number of Faculty Participated in the Programme	08
Programme Coordinator	Prof. P. R. Bhakare (ISF Convener)



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 Affiliated to Sant Gadge Baba Amravati University, Amravati



IETE Students Forum (ISF)
 Organised
 A College Level

AAVISHKAR 2025

8 November 2025

 **VENUE: AT ENTC Research Lab Room No. 122 10 AM To 5 PM**

Level:

1. Undergraduate Students (UG)
2. Postgraduate Students (PG)
3. Post PG Students (PPG)



Category:

1. Humanities, Languages, and Fine Arts
2. Commerce, Management and Law
3. Pure Sciences
4. Agriculture and Animal Husbandry
5. Engineering and Technology
6. Medicine and Pharmacy





Students Presenting and Demonstrating Their Idea to Jury Members



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College of Engineering & Technology, Shegaon

Glimpse of Aavishkar 2025 Winner



First prize in ET



First prize in MF



Third prize in PS



Third prize in MF



MAULI AVISHKAR TEAM 2025

Winner at District Level

Two Days Workshop On “Arduino Programming: Blink, Buzz, Build”

Programme Name	“Arduino Programming: Blink, Buzz, Build”
Programme Schedule & Venue	11/10/2025 to 12/10/2025 at 10.00AM to 05.00 PM, Ground Floor, Seminar Hall
Programme Mode	Offline
Details of Resource Person	Electro soft System, Jalgaon
Total Number of Students Participated in the Programme	60
Total Number of Faculty Participated in the Programme	02
Programme Coordinator/s	Prof. A. R. Patil (IETE Member)



Inaugural Function

The IETE Students’ Forum (ISF) of MGI-COET, Shegaon, organized an engaging hands-on workshop titled “Arduino Programming: Blink, Buzz, Build” under the Electronics & Telecommunication Engineering Department. The session was graced by the presence of Honorable **Principal Dr. C. M. Jadhao**, Head of ENTC Department **Dr. S. S. Mhaske**, and the expert **Electrosoft** Team from Jalgaon, who guided students throughout the workshop.

The primary objective of the workshop was to introduce students to the fundamentals of Arduino programming and embedded system applications. **Total 60** Participants learned how to interface LEDs, buzzers, and basic sensors using Arduino boards. Through interactive demonstrations, they practiced writing simple sketches, uploading code, and understanding input–output operations essential for project development. The Electrosoft team provided valuable insights into real-time applications and emphasized a practical, experiment-driven learning approach.

Outcome: Students enthusiastically built mini-projects such as blinking LED patterns and buzzer-based alerts, gaining confidence in microcontroller programming. The workshop successfully bridged theoretical concepts with real-world implementation, empowering students to take their first steps toward innovation in electronics and automation. Overall, the event was highly informative and motivating, offering students a strong foundation for future IoT and embedded system projects.



The poster is for an IETE Student forum workshop. At the top, it features the logo of the Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's MAULI GROUP OF INSTITUTION'S COLLEGE OF ENGINEERING AND TECHNOLOGY, SHEGAON. Below this, the text reads 'IETE Student forum' and 'Organise Workshop on ARDUINO PROGRAMMING: "BLINK, BUZZ, BUILD"'. An image of an Arduino Uno board is shown on the right. The venue is listed as 'Ground floor Seminar Hall' and the dates as '11/10/2025 To 12/10/2025'. The resource team is 'Electrosoft System, Jalgaon'. At the bottom, it says 'DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING'.

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MAULI GROUP OF INSTITUTION'S
COLLEGE OF ENGINEERING AND TECHNOLOGY, SHEGAON
AICTE Approved, Affiliated to Saint Gadge Baba Amravati University, Amravati, ISO 9001:2015 certified

IETE Student forum

Organise Workshop on
ARDUINO PROGRAMMING:
"BLINK, BUZZ, BUILD"

Venue :- Ground floor Seminar Hall
From: 11/10/2025 To 12/10/2025
Resource Team:- Electrosoft System, Jalgaon

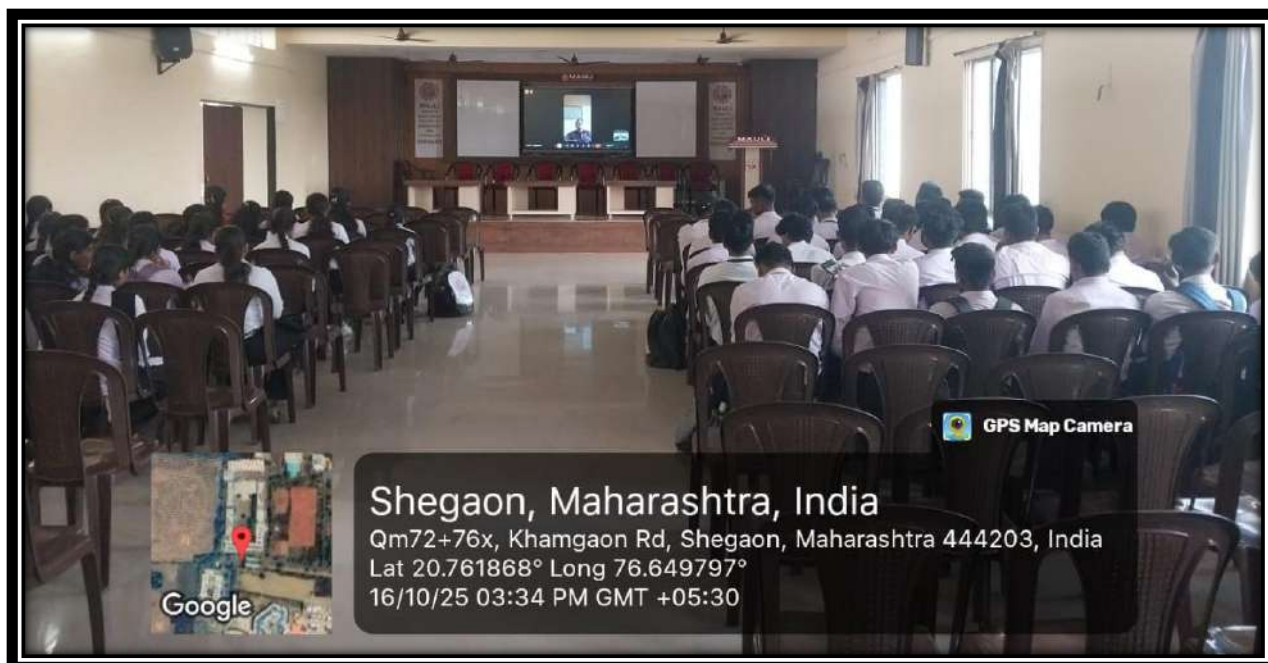
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING



Glimpse of Two Days Workshop

Online Session On Semiconductor Development Workforce

Programme Name	“ Semiconductor Development Workforce”
Programme Schedule & Venue	19/11/2025 at 10.00AM to 01.00 PM, Dr. C. V. Raman Hall, First Floor
Programme Mode	Online
Details of Resource Person	Dr. Abhay Chopade
Total Number of Students Participated in the Programme	65
Total Number of Faculty Participated in the Programme	05
Programme Coordinator/s	Prof. A. R. Patil (IETE Member)



An online expert session on “*Semiconductor Development Workforce*” was conducted on 19 November 2025, from 10:00 AM to 1:00 PM at Dr. C. V. Raman Hall, First Floor, MGI-COET. The session was delivered by Dr. Abhay Chopade, who provided valuable insights into the

rapidly growing semiconductor industry and the skills required for future workforce demands. Students learned about fabrication processes, design trends, career opportunities, and the importance of developing technical competencies. The session proved highly informative and motivating, helping participants understand their potential role in India's emerging semiconductor ecosystem.



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Glimpse of
Semoconductor Workforce Development


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IETE Students Forum (ISF)
 Online Session on
"SEMICONDUCTOR WORKFORCE DEVELOPMENT"

Resource person:
Dr. Abhay Chopade
 Vishwakarma Institute of
 Technology, Pune

Date: 16/10/2025 at 3.00PM
Mode of Conduction: Online

Prof. P. R. Bhakare
ISF Coordinator

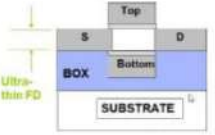
Dr. S. S. Mhaske
IETE Treasure

Dr. C. M. Jadhao
Principal



Double-Gate SOI MOSFETs

Double-Gate (DG) MOSFET:



Advantages:

- Enhanced scalability
- Lower junction capacitance
- Light doping possible
- V_t can be set by WF of metal gate electrode
- $\sim 2\times$ drive current

Disadvantages:

- $\sim 2\times$ gate capacitance
- High R_{series} $\rightarrow$ raised S/D
- Complex process

© P. M. Zoroff, J. A. Harkley, and H. B. Hall, *IEEE Transactions on Electron Devices*, 44, 407-413 (1997).





GPS Map Camera

Shegaon, Maharashtra, India
 Qm72+76x, Khamgaon Rd, Shegaon, Maharashtra 444203, India
 Lat 20.761868° Long 76.649797°
 16/10/25 03:34 PM GMT +05:30

Students Attending Online Session

Seminar On

“Need of Electronics in Automation Industry”

Programme Venue	“Need of Electronics In Autmation Industry”
Programme Schedule	19/11/2025 at 10.00AM to 01.00 PM, Dr. C. V. Raman Hall, First Floor
Programme Mode	Offline
Details of Resource Person	Prof. Sanjay A. Chaudhari, Electronics Study Center, Nashik
Total Number of Students Participated in the Programme	125
Total Number of Faculty Participated in the Programme	06
Programme Coordinator/s	Prof. P. R. Bhakare (ISF Convener)



An offline expert session on “Need of Electronics in Automation Industry” was conducted on 19 November 2025 from 10:00 AM to 1:00 PM at Dr. C. V. Raman Hall, First Floor, MGI-COET. The session was delivered by **Prof. Sanjay A. Chaudhary from the Electronics Study Center, Nashik**, who highlighted the critical role of electronics in modern industrial automation. A

total of **125 students** and **06 faculty members** participated. The session provided practical insights into sensors, controllers, and automation technologies, enhancing participants' understanding of industry requirements and future opportunities.



Glimpse of Seminar Session

Industry Expert Talk On
“Career Opportunities In Core Electronics Sector”

Programme Name	“Career Opportunities In Core Electronics Sector”
Programme Venue & Schedule	09/09/2025 at 02.00PM to 04.00 PM, Ground floor Seminar Hall
Programme Mode	Offline
Details of Resource Person	Mr. Umesh Gayakwad, CEO, Iravan Technology, Pune
Total Number of Students Participated in the Programme	100
Total Number of Faculty Participated in the Programme	09
Programme Coordinator/s	Prof. R. M. Patil (IETE Member)

An offline session on ***“Career Opportunities in the Core Electronics Sector”*** was conducted on 09 September 2025 from 2:00 PM to 4:00 PM at the Ground Floor Seminar Hall, MGI-COET. The session was delivered by ***Mr. Umesh Gayakwad, CEO of Iravan Technology, Pune***, who shared valuable insights on emerging career paths, required technical skills, and industry expectations in the electronics domain.

Honorable Principal ***Dr. C. M. Jadhao***, ***ENTC HOD Dr. S. S. Mhaske***, and all faculty members of the ENTC department graced the event. A total of 100 students and 09 faculty members actively participated, making the program highly informative and motivating. The program was coordinated by ***Prof. R. M. Patil***, IETE Member.



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Glimpse of Industry Expert Talk



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IETE Students Forum (ISF)

INDUSTRY EXPERT TALK ON

**"CAREER OPPORTUNITIES IN CORE
ELECTRONICS SECTOR"**

Resource person:

Mr. Umesh Gayakwad

CEO, Iravan Technologies, Pune

Date: 09/09/2025 at 2.00PM

Venue: Ground Floor, Seminar
Hall, MGICOET, Shegaon

Prof. P. R. Bhakare
ISF Coordinator

Dr. S. S. Mhaske
IETE Treasure

Dr. C. M. Jadhao
Principal



Shegaon, Maharashtra, India

Qm72+76x, Khamgaon Rd, Shegaon, Maharashtra 444203, India

Lat 20.761879° Long 76.649467°

09/09/2025 02:45 PM GMT +05:30

Interactive session with Mr. Umesh Gayakwad

One Week Workshop on “Industrial Approach in Electronics”

Programme Name	“Industrial Approach In Electronics”
Programme Venue & Schedule	03/12/2025 to 07/12/2025, 10.00AM to 5.00PM Room No. 132, First Floor
Programme Mode	Offline
Details of Resource Person	Prof. Sanjay A. Chaudhari, Electronics Study Center, Nashik
Total Number of Students Participated in the Programme	95
Total Number of Faculty Participated in the Programme	06
Programme Coordinator/s	Prof. A. R. Patil (IETE Member)

The IETE Students Forum (ISF) of Mauli Group of Institutions, College of Engineering & Technology, Shegaon successfully commenced a one-week workshop *on “Industrial Approach in Electronics”* on 3rd to 7th December 2025. The inaugural ceremony was graced by the Honorable Principal, **Dr. C. M. Jadhao**, along with **Dr. M. A. Beg**, Head of Electrical Engineering Department, and **Dr. S. S. Mhaske**, Head of ENTC Department. A total of 95 students from the Electronics & Telecommunication Engineering (59) and Electrical Engineering departments (36) enthusiastically participated in the workshop. The resource person for the program, **Mr. Sanjay Chaudhary** from Electronics Study Centre, Nashik, shared valuable industrial insights, component testing, and identification of basic electronics Components also guided students through cutting-edge trends in the electronics field.

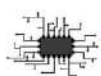
This one-week workshop has been organised by the IETE Students Forum (ISF) of MGICOET, Shegaon, with the aim of enhancing student’s practical knowledge and preparing them for industry-oriented challenges. The workshop was coordinated by **Prof. A. R. Patil** IETE Member.



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IETE Students Forum (ISF)



ORGANISED ONE WEEK WORKSHOP ON "INDUSTRIAL APPROACH IN ELECTRONICS"



Resource person:

Mr. Sanjay Chaudhary

Electronics Study Centre, Nashik

Date: 03/12/2025 to 07/12/2025

Venue: Room No. 132, First Floor

Prof. P. R. Bhakare
ISF Coordinator

Dr. S. S. Mhaske
IETE Treasure

Dr. C. M. Jadhao
Principal



Glimpse of One Week Workshop on "Industrial Approach In Electronics"