



EDC Events

Sr.No	Name	Date
1.	Dalan 2026 – Exhibition of Construction Materials...	31/01/2026
2.	Entrepreneurship Awareness Program	03/02/2026
3.	A.I Outreach Program for school students	11/02/2026
4.	Electrofest 2026	12/02/2026
5.	Guest Lecture on Patent and Copyright	13/02/2026
6.	IOT Workshop	07/03/2026
7.	Copyright workshop	07/03/2026

Shirani
Dean IIC

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EVENT REPORT

AI Outreach Program for School Students

Organised Under

Institution's Innovation Council (IIC)

In Association With

Vidhyamandir, Andur

Outreach Location

Vidhyamandir, Andur

District: Kolhapur

Host Institute

Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

Date of Event

11th February 2026



IIC Head

Principal

Campus Director

1 Introduction

An AI Outreach Program was conducted at Vidhyamandir, Andur on 11th February 2026 under the initiative of the Institution's Innovation Council (IIC). The main objective of the program was to create awareness and provide basic understanding of Artificial Intelligence (AI) and Internet of Things (IoT) among school students.

Andur village has comparatively low exposure to emerging technologies like AI and IoT. This initiative aimed to bridge the digital awareness gap and introduce students to modern technological advancements.

2 Objectives of the Program

- To introduce the basic concepts of Artificial Intelligence and IoT.
- To explain real-world applications of AI.
- To create awareness about future career opportunities in technology.
- To promote responsible and ethical use of digital technologies.

3 Target Audience

The program was conducted for students of 5th, 6th, 7th, and 8th standard.

4 Description of the Activity

The session was conducted by college students under the IIC initiative. Basic concepts of Artificial Intelligence and IoT were explained in simple language using real-life examples such as Google Assistant, YouTube recommendations, face recognition, smart devices, and smart farming applications.

The role of AI in agriculture, healthcare, education, and transportation was also discussed. Students were informed about future career opportunities in AI, Robotics, Machine Learning, and Data Science.

The session was interactive, and students actively participated by asking questions. A short quiz was conducted at the end to evaluate their understanding, and gifts were distributed to students who answered correctly.

Finally, the committee members and teacher coordinators expressed gratitude to the school teachers for their cooperation. Roses and small gifts were presented as a token of appreciation. The event concluded with positive interaction and feedback.

5 Outcome of the Program

The program successfully created awareness about AI and IoT among rural students and encouraged them to explore technology-related fields in the future.

6 Image Section

(Images of the awareness session, quiz activity, gift distribution, and group photographs are attached.)







7 Conclusion

The AI Outreach Program was successfully conducted and achieved its objective of spreading basic knowledge about AI and IoT among school students. It contributed to increasing technological awareness in a rural area and inspired students toward future innovation.



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Dean IIC

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EVENT REPORT

COPYRIGHT WORKSHOP

Organized Under
Institutions Innovation Council (IIC)

Host Institute
Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

DYP SALOKHENAGAR
Dr. D. Y. Patil Pratishthan's
COLLEGE of ENGINEERING
Salokhenagar, Kolhapur - 416007

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD, Government of India)

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

FREE

COPYRIGHT WORKSHOP

FREE

©

©

Get Your Ideas Copyrighted!

Resource Faculty

Resource Student

Dr. Shivani Kale
Mr. Ganesh Rathod

Mr. Jay Pol
Mr. Girish Kumar

Topics Covered

- What is Copyright
- Online registration guidance

DYPSN

DYPSN

Academic Year: _____

IIC Head

Principal

Director

1. Introduction

Innovation and creativity play an important role in the development of new ideas, projects, and research work among engineering students. However, protecting these innovative creations is equally important. With this objective, the **Institution's Innovation Council (IIC)** of Dr. D. Y. Patil Pratishthan's College of Engineering, Salokhenagar organized a **Copyright Workshop** on **7 March 2026**.

The workshop aimed to create awareness among students about the importance of protecting **innovative ideas, projects, and prototypes through copyright**. The session helped students understand how intellectual property can be legally protected and how copyright registration can safeguard their creative work.

The programme began with an **inaugural ceremony** in the presence of respected dignitaries including **Campus Director Dr. Abhijit Mane Sir, Principal Dr. Suresh D. Mane Sir, Dean of IIC Cell Dr. Shivani Kale Ma'am, and Dean of IQAC Mr. Ganesh Rathod Sir**.

As a part of the inauguration ceremony, the dignitaries were invited to **press the launch button and officially inaugurate the Innovation Ceremony**, continuing the tradition of celebrating innovation in a unique and inspiring way.

The dignitaries addressed the students with **short and inspiring speeches**, encouraging them to focus on innovation, research, and protecting their intellectual property.

2. Objectives of the Programme

- To create awareness about **copyright and intellectual property rights**
 - To guide students on how to **protect their innovative ideas and creative works**
 - To provide knowledge about the **importance of copyright protection**
 - To explain the **online copyright registration process**
 - To motivate students to develop **innovative and original projects**
-

3. Event Details and Facilitation

The workshop was organized by the Institution's Innovation Council (IIC) of Dr. D. Y. Patil Pratishthan's College of Engineering, Salokhenagar.

The workshop was conducted under the guidance of Dr. Shivani Kale and Mr. Ganesh Rathod as faculty resource persons. Student resource persons Mr. Jay Pol and Mr. Girish Kumar also assisted in guiding participants.

The session provided students with practical guidance on the concept of copyright and the process of online copyright registration, making the workshop highly informative and beneficial.

4. Description of the Workshop

During the workshop, students were introduced to the concept of **copyright and intellectual property protection**. The resource persons explained how innovative ideas, research work, software, designs, and creative content can be protected through copyright.

The workshop also included **step-by-step guidance on online copyright registration**, helping students understand the process in a simple and practical way.

Students actively participated in the session and gained valuable insights into how their **projects, prototypes, and research ideas can be legally protected**. The session encouraged students to focus on innovation while ensuring their work remains secure and legally recognized.

5. Key Learning Outcomes

- Understanding of the **concept of copyright and intellectual property rights**
 - Awareness about the **importance of protecting innovative ideas**
 - Knowledge of the **online copyright registration process**
 - Encouragement to develop **original and innovative projects**
 - Better understanding of **legal protection for creative work**
-

6. Impact on Students

The workshop significantly increased students' awareness about **intellectual property protection and copyright registration**. It motivated students to safeguard their innovative ideas and creative projects.

The session also helped students understand how protecting their work legally can support **future research, entrepreneurship, and innovation activities**.

7. Event Photographs

The following photographs capture key moments from the **Copyright Workshop**, including the inaugural ceremony, dignitaries' addresses, and student participation during the session.







8. Conclusion

The **Copyright Workshop** organized by the Institution's Innovation Council (IIC) proved to be a highly informative and beneficial event for students. It successfully created awareness about the importance of **protecting innovative ideas, projects, and creative work through copyright**.

The workshop provided practical guidance on **online copyright registration** and encouraged students to continue working on innovative ideas with proper legal protection.

The Institution's Innovation Council sincerely thanks the management of **Dr. D. Y. Patil Pratishthan's College of Engineering, Salokhenagar** and all the dignitaries and resource persons for their valuable support in making the event successful.

Prepared By:

Institutions Innovation Council (IIC)

IIC Event Coordination Team

Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur



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Shirani
Dean IIC

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EVENT REPORT

Guest Lecture on Patent and Copyright

Organized Under
Institutions Innovation Council (IIC)

In Association With
Department of Computer Science and Engineering

Host Institute
Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

DYP DR. D. Y. PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING, SALOKHENAGAR, KOLHAPUR. INSTITUTIONS INNOVATION COUNCIL. MHRD'S INNOVATION CELL GOVERNMENT OF INDIA.

ELECTROFEST 2026

FOR REGISTRATION

FRIDAY 13th FEB 2026 AT 11:30 AM

ELECTRICAL DEPARTMENT

ELECTRO IDENTIFIER

- Component will be given in hand
- Time limit: 30 seconds
- Each correct answer: +2 marks
- Each Wrong answer: -2 marks
- No hints allowed
- Maximum Two participants

TECH KNOWLEDGE ARENA

- Multiple rounds will be conducted
- Diagram / Symbol Identification
- Electrical current affairs included
- Limited time for each question
- Maximum Two participants
- Judges' decision will be final

IDEASPARK

- Final Year - Compulsory
- 1st-3rd Year - Open to Participate
- Open to all branches (Electrical, CSE, Data Science, Civil)
- Real-life problem & solution must be presented
- A demo or poster presentation is mandatory
- Judging based on innovation, feasibility & presentation
- Group Participation

WIRE & WIN

- Correct wiring is mandatory
- Wrong connection: negative marking
- Fastest correct team gets bonus marks
- Maximum Two participants
- Judges will check connections

MORE INFORMATION

- ☎ Sujal Navale:- 7658404598
- ☎ Abaar Maneri:- 9404455919
- ☎ Ujjwala Satpute:- 8208668263

Academic Year: _____

IIC Head

Principal

Director

1. Introduction

With the objective of creating awareness about Intellectual Property Rights (IPR) and the importance of protecting innovation, a guest lecture on “**Patent and Copyright**” was successfully conducted on 13 February 2026 under the Institution’s Innovation Council (IIC).

The session was delivered by **Dr. Harshwardhan Pandit**, who provided valuable insights into patents, copyright protection, and legal frameworks for safeguarding intellectual creations. The lecture aimed to help students understand the significance of protecting innovative ideas and creative work.

The event was graced by the presence of **Head of the Department of Computer Science and Engineering, Dr. Mahesh P. Gaikwad**. The program was conducted under the guidance of **Principal Dr. Suresh D. Mane, Campus Director Dr. Abhijeet M. Mane**, and **Administrative Officer Mr. Suyog V. Patil**.

2. Objectives of the Programme

- To create awareness about Intellectual Property Rights (IPR)
 - To provide knowledge about patent filing procedures
 - To understand copyright protection and legal frameworks
 - To encourage students to protect innovative ideas
 - To promote research, innovation, and creativity
-

3. Resource Person and Event Facilitation

The session was delivered by **Dr.** organized by the Institution’s Innovation Council in association with the Department of Computer Science and Engineering.

Faculty members coordinated the event and ensured smooth execution of the program.

4. Role of the Resource Person in Facilitating the Event

Dr. Harshwardhan Pandit explained the concept of Intellectual Property Rights and highlighted the importance of patents and copyrights in protecting innovations. He guided students on patent filing procedures, legal aspects, and documentation processes.

The session included practical examples and real-world scenarios that helped students understand how intellectual property protection supports innovation and research development.

5. Session Highlights

- Introduction to Intellectual Property Rights (IPR)
 - Types of patents and copyright protection
 - Patent filing process and documentation
 - Importance of protecting innovative ideas
 - Legal aspects of intellectual property
 - Real-world examples of intellectual property protection
-

6. Impact on Students

- Increased awareness about intellectual property protection
 - Better understanding of patent filing procedures
 - Motivation to protect research and innovative ideas
 - Enhanced knowledge of legal frameworks related to IPR
 - Encouragement towards innovation and research activities
-

7. Event Photographs

The following photographs capture key moments from the guest lecture including expert interaction, student participation, and session proceedings.





Kolhapur, Maharashtra, India 
Dy Patil, Shivganga Colony, Kolhapur, Maharashtra
416007, India
Lat 16.667659° Long 74.205875°
Friday, 13/02/2026 12:17 PM GMT +05:30



Kolhapur, Maharashtra, India 
Dy Patil, Shivganga Colony, Kolhapur, Maharashtra
416007, India
Lat 16.667714° Long 74.205863°
Friday, 13/02/2026 12:06 PM GMT +05:30

8. Conclusion

The guest lecture on Patent and Copyright was highly informative and beneficial for students. The session successfully created awareness about Intellectual Property Rights and encouraged students to protect their innovative ideas and creative work through appropriate legal frameworks.

The Institution's Innovation Council and the Department of Computer Science and Engineering sincerely thank the resource person and management for their support in making the event successful.

Prepared By:

Institutions Innovation Council (IIC)

Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur



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Shirani
Dean IIC

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EVENT REPORT

Entrepreneurship Awareness Programme (EAP)

Organised Under

Institutions Innovation Council (IIC)

In Association With

Ministry of Micro, Small & Medium Enterprises (MSME),
Government of India

Host Institute

Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

The banner features a green header with the DYP Salokhenagar logo and the name of the host institute, Dr. D. Y. Patil College of Engineering, Salokhenagar, Kolhapur. To the right are the logos for the Institution's Innovation Council and the Ministry of Education Innovation Cell. The main body is white with the IDEMI logo and the name of the Institute for Design of Electrical Measuring Instrument Imruments, Ministry of Micro, Small & Medium Enterprises Govt. of India, MSME - Technology Centre, Mumbai. Below this is a maroon banner with the text 'कौशल्य विकास प्रशिक्षण योजनेतंत्र सूत्र सपवन, सर्वे पाण यप्रशिक्षणा याने उपनियती एक दिवसीय निःशुल्क प्रशिक्षण'. The bottom section is white with the text 'MINISTRY OF MSME द्वारे प्रायोजित उद्योजकता जागरुकता अभियान ENTREPRENEURSHIP AWARENESS PROGRAMME (EAP)'. At the very bottom, contact information is provided: 'सांठ्यन, तति.व शिक्षण केद्र : डॉ. वार्ड. डी. पारठि कोष जीक दुंजिनर्हिग, सालोदनगर, कोनहपुर - 416008, 80002 हं मस : training@idemi.org, प्रमंणिन केदसंपर्क : 022-24906500/131/124.Ext 213 - www.idemi.org'.

DYP
SALOKHENAGAR

Dr. D. Y. Patil College
Of Engineering
Salokhenagar, Kolhapur.

**INSTITUTION'S
INNOVATION
COUNCIL**
Ministry of Education

**MINISTRY OF EDUCATION
INNOVATION CELL**

IDEMI

वैद्युतिक मापन उपरंत्र अभिकल्प संस्थान, मुंबई
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENT IMRUMENTS
Ministry of Micro, Small & Medium Enterprises Govt. of India
MSME - TECHNOLOGY CENTRE, MUMBAI

कौशल्य विकास प्रशिक्षण योजनेतंत्र सूत्र सपवन, सर्वे पाण यप्रशिक्षणा याने उपनियती
एक दिवसीय निःशुल्क प्रशिक्षण

MINISTRY OF MSME
द्वारे प्रायोजित
उद्योजकता जागरुकता अभियान
ENTREPRENEURSHIP AWARENESS PROGRAMME (EAP)

सांठ्यन, तति.व शिक्षण केद्र : डॉ. वार्ड. डी. पारठि कोष जीक दुंजिनर्हिग, सालोदनगर, कोनहपुर - 416008, 80002
हं मस : training@idemi.org, प्रमंणिन केदसंपर्क : 022-24906500/131/124.Ext 213 - www.idemi.org

Academic Year: _____

1 Introduction

Entrepreneurship has emerged as a key driver of innovation, employment generation, and economic development. With the objective of fostering an entrepreneurial mindset among students, an **Entrepreneurship Awareness Programme (EAP)** was organized under the **Institutions Innovation Council (IIC)** at Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur.

The programme aimed to create awareness about startup opportunities, government incentives, and the role of innovation in entrepreneurship.

2 Objectives of the Programme

- To promote entrepreneurship and startup culture among students
- To provide awareness about MSME and startup schemes
- To encourage innovative thinking and idea generation
- To motivate students to pursue entrepreneurship as a career

3 Resource Person and Event Facilitation

The programme was facilitated by **Mr. Suresh B. Umap**, a renowned entrepreneurship development professional with over **37 years of experience** in entrepreneurship promotion, MSME development, and policy implementation.

Mr. Umap has served extensively with the **Maharashtra Centre for Entrepreneurship Development (MCED)** as a Regional Officer and Project Officer across multiple regions of Maharashtra including Pune, Kolhapur, Konkan, Satara, Thane, Amravati, Sangli, Sindhudurg, Ratnagiri, and Solapur.

4 Role of the Resource Person in Facilitating the Event

Mr. Suresh B. Umap played a crucial role as the chief facilitator of the programme. He guided students on the importance of startups, innovation, and self-employment and explained how government incentives and MSME schemes can support young entrepreneurs.

His session included real-life examples, case studies, and practical guidance, which helped students understand the entrepreneurial ecosystem beyond theoretical concepts.

5 Session Highlights

- Importance of startups and innovation
- MSME registration and benefits
- Government incentives and subsidy schemes

- Startup challenges and solutions
- Role of youth in entrepreneurship

6 Impact on Students

The session significantly motivated students to explore entrepreneurship opportunities. Students gained awareness about startup ecosystems, financial assistance, and the role of innovation in business development.

7 Event Photographs

The following photographs capture key moments from the Entrepreneurship Awareness Programme.







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7.	Copyright workshop	07/03/2026

Shirani
Dean IIC

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EVENT REPORT

DALAN 2026 – Exhibition of Construction Materials, Techniques, and Property Expo.

Organized Under
Department of Civil Engineering

In Association With
CREDAI Kolhapur

Host Institute
Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

30 JAN 01 FEB 02 FEB

CREDAI KOLHAPUR

DALAN 2026

Invitation for
Technical Seminar

On the occasion of
DALAN 2026
BIGGEST PROPERTY EXPO
IN WESTERN MAHARASHTRA

Technical Seminar Presented by
Prof. M. G. Gadgil (B.E. Civil, M. Tech) Mumbai

Topic
"Innovative Solutions for Modern-day Complex Structures"

In Presence of

Er. Tushar Burud
Superintendent Engineer
PWD, Kolhapur

Er. Prashant Hodkar
Chairman
Association of Indian Society
of Structural Engineers Kolhapur Local Centre

Er. Ramesh Maskar
City Engineer
Kolhapur Municipal Corporation

Yours faithfully

K.P. Khat
President, CREDAI Kolhapur

Mahesh Vadav
Trustee, CREDAI

Prakash Devalapurkar
Vice President, CREDAI
Kolhapur

Chetan Vasa
Vice President, CREDAI
Kolhapur

Danesh Sawant
Secretary, CREDAI
Kolhapur

Ajay Daljad
Treasurer, CREDAI
Kolhapur

Aditya Bedekar
Dalal, Vice Chairman

Nikhil Shah
Dalal, Convener

Sangram Dholvi
Dalal, Secretary

Amol Deshpande
Dalal, Treasurer

Saturday 31 January 2026 at 4.00 pm
Mahasainik Darbar Hall Ground, Kolhapur

Academic Year: 2025-26

Shivani
IIC Head Signature

[Signature]
Principal Signature

[Signature]
Director Signature

Several organizations also shared information regarding internship opportunities, field training programs, and placement prospects, making the visit highly beneficial and career-oriented for the students.

5. Key Learning Outcomes

- Awareness of modern construction materials and their applications
 - Understanding of emerging trends in the construction and real estate sector
 - Practical exposure to industry-scale technologies and techniques
 - Improved understanding of professional roles and industry expectations
 - Career guidance through interaction with industry professionals
-

6. Impact on Students

The visit significantly enhanced students' practical understanding of civil engineering concepts. It motivated students to stay updated with industry advancements and encouraged them to prepare for professional challenges. The exposure also helped students align their academic learning with real-world requirements.

7. Event Photographs

The following photographs capture key moments from the industrial visit to DALAN 2026, including student participation, interaction with industry professionals, and group photographs at the exhibition venue.





8. Conclusion

The industrial visit to DALAN 2026 proved to be a highly informative and enriching experience for Civil Engineering students. It successfully provided practical exposure, industry interaction, and career guidance. The Department of Civil Engineering sincerely thanks the Management of DYPSN and CREDAI Kolhapur for providing this valuable opportunity to the students.

Prepared By:

Department of Civil Engineering

Institutions Innovation Council (IIC)

Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

RNO.	Sign	RNO.	Sign	RNO.	Sign	RNO.	Sign
220	<u>Akulkarni</u>	277	<u>Shanastri</u>				
206	...	259	<u>Isfat</u>				
244	<u>Chut.</u>	264	<u>Satli</u>				
223	<u>Jatob.</u>	268	<u>Patal.</u>				
230	<u>ADY.</u>	275	<u>Paishray.</u>				
203	<u>SAB</u>	286	<u>V.H.R.</u>				
216	<u>Ute</u>	281	<u>Vishnavori</u>				
267	<u>ESP</u>	261	<u>Jmatit.</u>				
279	<u>Bashinde</u>	265	<u>Satli</u>				
256	<u>Ratti</u>	248	<u>Ralkar</u>				
251	<u>Jpatil</u>	266	<u>Satli</u>				
258	<u>S.Patli</u>	239	<u>S.D.Mule</u>				
254	<u>(Patil)</u>	233	<u>M.H.M</u>				
283	<u>Kalutal</u>	201	<u>M.s.Patdar</u>				
255	<u>Pajay</u>	257	<u>ABDil</u>				
215	<u>Shapale</u>	260	<u>Jakmi</u>				
242	<u>Wanagre</u>	235	<u>Tamli</u>				
278	<u>shinde</u>						
273	<u>J...</u>						
280	<u>...</u>						
241	<u>schobhate</u>						
208	<u>Piyanka.Derane</u>						
212	<u>Brnandaze</u>						
210	<u>skalkar</u>						
218	<u>SAkothavale</u>						
204	<u>Kamul</u>						
20	...						
253	<u>Soff.</u>						
214	<u>AKhat</u>						
276	<u>SS</u>						
246	<u>...</u>						



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Shirani
Dean IIC

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EVENT REPORT

ELECTROFEST 2026

Organized Under
Institutions Innovation Council (IIC)

In Association With
Department of Electrical Engineering

Host Institute
Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

DYP DR. D. Y. PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING, SALOKHENAGAR, KOLHAPUR. INSTITUTION'S INNOVATION COUNCIL MHRD'S INNOVATION CELL GOVERNMENT OF INDIA

ELECTRO IDENTIFIER

- Component will be given in hand
- Time limit: 38 seconds
- Each correct answer: +2 marks
- Each Wrong answer: -2 marks
- No hints allowed
- Maximum Two participants

TECH KNOWLEDGE ARENA

- Multiple rounds will be conducted
- Diagram / Symbol Identification
- Electrical current affairs included
- Limited time for each question
- Maximum Two participants
- Judges' decision will be final

ELECTROFEST 2026

FOR REGISTRATION

FRIDAY 13th FEB 2026 AT 11:30 AM

ELECTRICAL DEPARTMENT

IDEASPARK

- Final Year - Compulsory
- 1st-3rd Year - Open to Participate
- Open to all branches (Electrical, CSE, Data Science, Civil)
- Real-life problem & solution must be presented
- A demo or poster presentation is mandatory
- Judging based on innovation, feasibility & presentation
- Group Participation

WIRE & WIN

- Correct wiring is mandatory
- Wrong connection: negative marking
- Fastest correct team gets bonus marks
- Maximum two participants
- Judges will check connections

MORE INFORMATION

- ☎ Sujal Navale:- 7658404598
- ☎ Abaar Maneri:- 9404455919
- ☎ Ujjwala Satpute:- 8208866263

Academic Year: _____

IIC Head

Principal

Director

1. Introduction

Electrofest 2026 was organized by the **Institution's Innovation Council** and the **Electrical Engineering Department** of Dr. D. Y. Patil Pratishthan's College of Engineering.

The program commenced at **10:30 AM** with an inaugural ceremony. The event was graced by the presence of **Principal Dr. Suresh D. Mane, Director Abhijit Mane**, the Head of IIC, the Head of the Electrical Department, and faculty members of the Electrical Engineering Department.

The inauguration began with a **symbolic plant watering ceremony**. The dignitaries were felicitated and the anchors introduced the event. **Motivational speeches** were delivered by the Principal, Director, the Head of IIC, and the Head of the Electrical Department, after which the technical events officially began.

2. Objectives of the Programme

1. To enhance **technical knowledge** of students
2. To provide **practical exposure** to electrical concepts
3. To encourage **innovation and creativity**
4. To develop **confidence and teamwork**

3. Event Details and Facilitation

The event was successfully organized by the **Institution's Innovation Council** and the **Department of Electrical Engineering**. Faculty members supervised all competitions and ensured smooth execution of the programme.

4. Session Highlights

The organizing team coordinated event planning, participant management, and technical execution. Faculty members guided students throughout the competitions and ensured effective learning and engagement.

Several organizations also shared information regarding internship opportunities, field training programs, and placement prospects, making the visit highly beneficial and career-oriented for the students.

- **Electro Identifier**
- **Tech Knowledge Arena**
- **Wire & Win**
- **IdeaSpark**

A large number of students actively participated. The programme provided an excellent platform to **learn new concepts, showcase technical skills, and gain hands-on experience.**

5. Impact on Students

- Improved **technical understanding**
- Enhanced **practical skills**
- Increased **confidence level**
- Exposure to **real-world technical challenges**
- Positive **learning experience**

6. Event Photographs

The following photographs capture key moments from **ELECTROFEST 2026.**







7. Conclusion

The **prize distribution ceremony** was held at **3:30 PM**. Winners were awarded for their outstanding performances. Participants shared very positive feedback about the event.

The programme concluded with a **formal vote of thanks**, marking the successful completion of Electrofest 2026.

Prepared By:

Institutions Innovation Council (IIC)

Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur



EDC Events

Sr.No	Name	Date
1.	Dalan 2026 – Exhibition of Construction Materials...	31/01/2026
2.	Entrepreneurship Awareness Program	03/02/2026
3.	A.I Outreach Program for school students	11/02/2026
4.	Electrofest 2026	12/02/2026
5.	Guest Lecture on Patent and Copyright	13/02/2026
6.	IOT Workshop	07/03/2026
7.	Copyright workshop	07/03/2026

Shirani
Dean IIC

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WORKSHOP REPORT

“IoT development using Arduino and ESP32”

Organized Under
Institutions Innovation Council (IIC)

In Association With
Department of Computer science & engineering

Host Institute
Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

ABOUT THE INSTITUTION:

Dr. D.Y. Patil Pratishthan's College of Engineering Salokhenagar Kolhapur is an affiliated college of Shivaji University located in Salokhenagar, Kolhapur, Maharashtra as well as Accredited by the National Assessment and Accreditation Council (NAAC). It is a private un-aided institution established in the year 2014. Dr. D.Y. Patil Pratishthan's College of Engineering has students studying in various disciplines of engineering with well qualified faculty/teachers giving a healthy student pupil ratio. Our faculties are able to provide innovative and practical teaching to our students which help in overall development of the students. In order to support the students and faculties in their academic excellence the college has a full-fledged library with over 3300 volumes of various technical and non-technical publications. The library is well equipped with a good collection of books and other relevant study material also.

ABOUT THE CSE DEPARTMENT:

The department labs are fully equipped with the latest configuration, licensed software, and internet facility. Department has experienced and dynamic faculty members. The discipline of Computer Science & Engineering has core strengths in the areas of algorithms, data mining, data science, network security, computer graphics, and computer architecture.

ABOUT THE WORKSHOP:

This workshop aims to demystify the Arduino microcontroller and raspberry-pi through hands-on work in the lab creating simple machines with embodied behaviors. The Arduino is a versatile resource for physical projects for students in all disciplines. This course brings students over the beginner's threshold to a basic understanding of the use, terminology, and potential of the Arduino. The skills and concepts taught in this course are presented from an interdisciplinary approach which merges practices in arts and technology. The first portion will teach the essential skills for creating a simple sensor-driven physical computing system, and the second portion will reinforce those skills by making a simple interactive project. The course has no technical prerequisites, although uses a little bit of algebra-level math.

ABOUT ISTE:

Indian Society for Technical Education (ISTE) is a national, professional, non-profit making society registered under the Societies Registration Act of 1860. ISTE aims to provide quality training programs to teachers and students in technical education and to promote research and innovation in engineering and technology.

OBJECTIVES OF WORKSHOP:

- 1.To understand the use of the Arduino microprocessor and raspberry-pi for IoT
- 2.Programming in the latest version of Arduino software for Arduino kit
- 3.Utilization of Arduino/ESP32 and raspberry-pi development board to create own mini projects like home automation, clap sensor circuit, water level monitor, etc.

PATRONS

Dr.Abijeet D. Mane

Campus Director

Dr.Suresh D. Mane

Principal

Mr. Suyog Patil

Administrative Officer

CONVENER

Dr. Mahesh P. Galkwad

HOD & Assoc. Prof. Dept. of CSE

CO-CONVENER

Mrs. Veera S. Raval

Asst. Prof. Dept. of CSE

CO-ORDINATOR

Mrs. Kiran N. Ingawale

Asst. Prof. Dept. of CSE

CO-CO ORDINATOR

Ms. Chhaya H. Khambalkar

Asst. Prof. Dept. of CSE

Time 9:15 am to 4:15 pm

Topics Covered

Day 1:

1. Session -1
- 1.1. Introduction to Internet of Things
- 1.2. Introduction to Basic Electronic component
- 1.3. Introductions to Arduino Boards
- Introduction to Sensors

2. Session 2

- 2.1. Downloading and Installation of Arduino IDE
- 2.2. Interfacing Arduino with Laptop/PC
- 2.3. Programming & Burning
- 2.4. Simple Demo: Test (Arduino Board Check)
- 2.5. Learning Arduino programming

- 2.6. Program notations: variables, functions, control flow, Arduino conventions.
- 2.7. The concept of a program variable
- 2.8. Numerical values and basic numerical operators.

2.9. Bitwise & bit

- 2.10. Iteration using for loops.
- 2.11. Real world timing and the delay() function.

Day 2:

3. Session -3

- 3.1. Arduino Uno Pin Layout
- 3.2. Interfacing LED
- 3.3. Interfacing Buzzer
- 3.4. Interfacing Analog LED
- 3.5. Interfacing LDR Sensor
- 3.6. Interfacing Ultra Sonic Sensor

4. Session -4

- 4.1. Interfacing Temperature and Humidity Sensor
- 4.2. Interfacing Smoke Detector
- 4.3. Interfacing Flame Detector
- 4.4. Interfacing Soil Moisture Sensor
- Interfacing IR Sensor

Day 3:

5. Session 5

- 5.1. Introduction to ESP32
- 5.2. Installation of ESP32 Driver
- 5.3. Configuration of ESP32 Arduino IDE
- 5.4. ESP32 Board Layout
- 5.5. ESP32 Pinout Diagram
- 5.6. Simple LED blinking program with ESP32

6. Session 6

- 6.1. Interfacing Temperature and Humidity Sensor
- 6.2. Create account on cloud(thingspeak)
- 6.3. Configure thingspeak for Project
- 6.4. Read and Write data on thingspeak cloud

Day 4:

7. Session 7

- 7.1. Create mobile application on Arduino cloud
- 7.2. Read and Write data on Arduino cloud
- 7.3. Operate IoT devices from mobile application
- 7.4. Interfacing Temperature and Humidity Sensor

8. Session 8

- 8.1. Introduction to MQTT protocol
- 8.2. Installation and configuration MQTT server
- 8.3. Communicate to MQTT server using ESP32

Day 5:

9. Session 9

- 9.1. Introduction to IoT & Raspberry
- 9.2. Different Models of Raspberry Pi
- 9.3. OS Installation on SD Card

10. Session 10

- 10.1. Mini project development using IoT and competition



Five Days Workshop On
“IoT development using
Arduino and ESP32”

In Association With
Indian Society for Technical Education

RESOURCE PERSON
Mr. SHAILESH H. DINDE

QA Lead, Aiotology Services pvt ltd.

5th March to 10th March 2026

Organized by

DYP D Y PATIL
ENGINEERING
COLLEGE

SALOKHENAGAR KOLHAPUR

Department of
“Computer Science & Engineering”

R. S. No. 865 A-Ward, Salokhe Nagar, Kolhapur,
Maharashtra 416001

Academic Year: _____

IIC Head

Principal

Director

1. Introduction

IoT development using Arduino and ESP32 was organized by the **Institution's Innovation Council** and the **Computer Science & Engineering Department** of Dr. D. Y. Patil Pratishthan's College of Engineering.

The program commenced in the morning with an inaugural ceremony. The event was graced by the presence of **Principal Dr. Suresh D. Mane**, **Director Abhijit Mane**, the Head of IIC, the Head of the Electrical Department, and faculty members of the Electrical Engineering Department.

The inauguration began with a **symbolic plant watering ceremony**. The dignitaries were felicitated and the anchors introduced the event. **Motivational speeches** were delivered by the Principal, Director, the Head of IIC, and the Head of the Electrical Department, after which the technical events officially began.

2. Objectives of the Workshop

1. To introduce the basics of IoT using Arduino, ESP32, and Raspberry Pi.
2. To develop basic programming skills using the Arduino IDE.
3. To provide experience with sensors and microcontroller-based systems.
4. enhance practical knowledge of embedded systems and IoT applications.

3. Event Details and Facilitation

The event was successfully organized by the **Institution's Innovation Council** and the **Department of Computer Science & Engineering**. Faculty members supervised all competitions and ensured smooth execution of the programme.

4. Session Highlights

The organizing team coordinated event planning, participant management, and technical execution. Faculty members guided students throughout the competitions and ensured effective learning and engagement.

Several organizations also shared information regarding internship opportunities, field training programs, and placement prospects, making the visit highly beneficial and career-oriented for the students.

A large number of students actively participated. The programme provided an excellent platform to learn new concepts and gain hands-on experience.

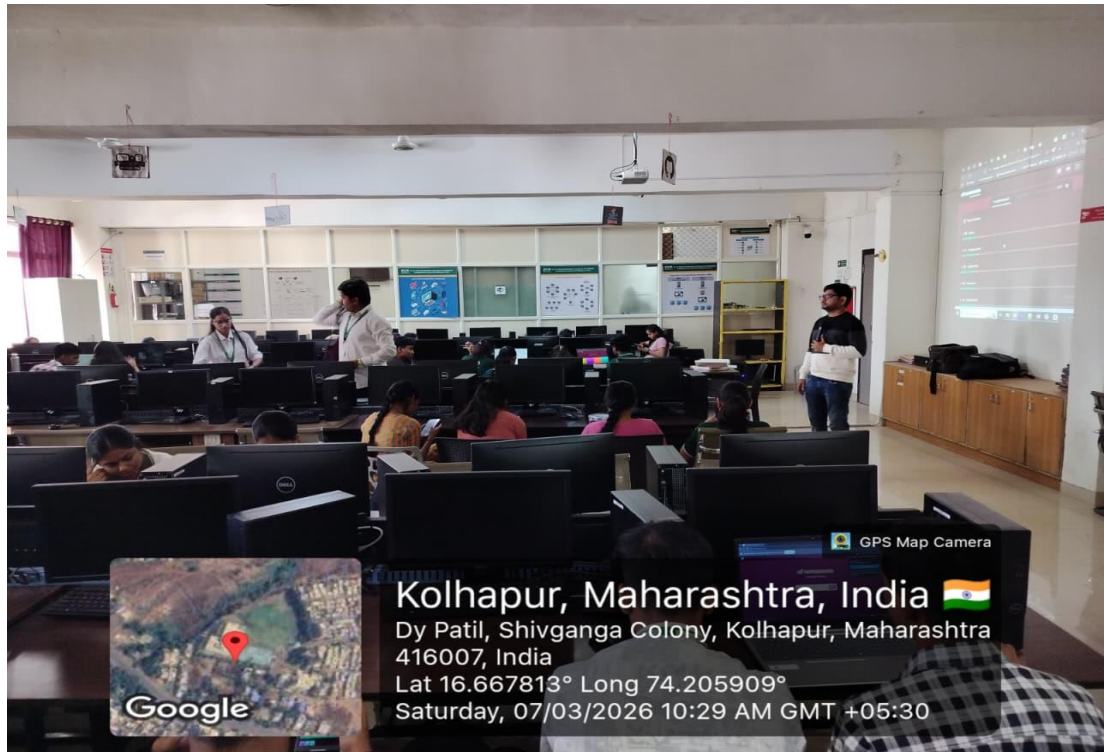
5. Impact on Students

- Improved practical electronics skills
 - Better understanding of IoT systems
 - Hands-on microcontroller programming experience
 - Enhanced problem-solving abilities
 - Increased interest in embedded technology
-

6. Workshop Photographs

The following photographs capture key moments from IoT development using Arduino and ESP32





7. Topics Covered

Day 1:

1. Session - 1

- 1.1. Introduction to Internet of Things
- 1.2. Introduction to Basic Electronic component
- 1.3. Introductions to Arduino Boards

Introduction to Sensors

2. Session 2

- 2.1. Downloading and Installation of Arduino IDE
- 2.2. Interfacing Arduino with Laptop/PC
- 2.3. Programming & Burning
- 2.4. Sample Demo Test [Arduino Board Check]
- 2.5. Learning Arduino programming
- 2.6. Program notation: variables, functions, control flow, Arduino conventions.
- 2.7. The concept of a program variable.
- 2.8. Numerical values and basic numerical operators.
- 2.9. if/then/else
- 2.10. Iteration using for loops.
- 2.11. Real world timing and the delay() function.

Day2:

3. Session - 3

- 3.1. Arduino Uno Pin Layout
- 3.2. Interfacing LED
- 3.3. Interfacing Buzzer
- 3.4. Interfacing Analog LED

3.5. Interfacing LDR Sensor

3.6. Interfacing Ultra Sonic Sensor

4. Session - 4

4.1. Interfacing Temperature and Humidity Sensor

4.2. Interfacing Smoke Detector

4.3. Interfacing Flame Detector

4.4. Interfacing Soil Moisture Sensor

Interfacing IR Sensor

Day 3:

5. Session 5

5.1. Introduction to ESP32

5.2. Installation of ESP32Driver

5.3. Configuration of ESP32in Arduino IDE

5.4. ESP32 Board Layout

5.5. ESP32 Pinout diagram

5.6. Simple LED blinking program with ESP32

6. Session 6

6.1. Interfacing Temperature and Humidity Sensor

6.2. Create account on cloud(thingspeak)

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Day 4:

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- 7.1. Create mobile application on Arduino cloud
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- 9.3. OS Installation on SD Card.

10. Session 10

- 10.1. Mini project development using IoT and competition**

11. Conclusion

Conclusion

The IoT Development Workshop on Arduino and ESP32 provided students with a meaningful introduction to the rapidly growing field of Internet of Things and embedded systems. Through a series of structured sessions, participants gained both theoretical knowledge and practical experience in working with microcontrollers, sensors, and electronic components. The workshop enabled students to understand how everyday devices can be connected, programmed, and controlled using IoT technologies.

EDC Events

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EVENT REPORT

AI Outreach Program for School Students

Organised Under

Institution's Innovation Council (IIC)

In Association With

Vidhyamandir, Andur

Outreach Location

Vidhyamandir, Andur

District: Kolhapur

Host Institute

Dr. D. Y. Patil Pratishthan's College of Engineering, Kolhapur

Date of Event

11th February 2026



IIC Head

Principal

Campus Director

1 Introduction

An AI Outreach Program was conducted at Vidhyamandir, Andur on 11th February 2026 under the initiative of the Institution's Innovation Council (IIC). The main objective of the program was to create awareness and provide basic understanding of Artificial Intelligence (AI) and Internet of Things (IoT) among school students.

Andur village has comparatively low exposure to emerging technologies like AI and IoT. This initiative aimed to bridge the digital awareness gap and introduce students to modern technological advancements.

2 Objectives of the Program

- To introduce the basic concepts of Artificial Intelligence and IoT.
- To explain real-world applications of AI.
- To create awareness about future career opportunities in technology.
- To promote responsible and ethical use of digital technologies.

3 Target Audience

The program was conducted for students of 5th, 6th, 7th, and 8th standard.

4 Description of the Activity

The session was conducted by college students under the IIC initiative. Basic concepts of Artificial Intelligence and IoT were explained in simple language using real-life examples such as Google Assistant, YouTube recommendations, face recognition, smart devices, and smart farming applications.

The role of AI in agriculture, healthcare, education, and transportation was also discussed. Students were informed about future career opportunities in AI, Robotics, Machine Learning, and Data Science.

The session was interactive, and students actively participated by asking questions. A short quiz was conducted at the end to evaluate their understanding, and gifts were distributed to students who answered correctly.

Finally, the committee members and teacher coordinators expressed gratitude to the school teachers for their cooperation. Roses and small gifts were presented as a token of appreciation. The event concluded with positive interaction and feedback.

5 Outcome of the Program

The program successfully created awareness about AI and IoT among rural students and encouraged them to explore technology-related fields in the future.

6 Image Section

(Images of the awareness session, quiz activity, gift distribution, and group photographs are attached.)







7 Conclusion

The AI Outreach Program was successfully conducted and achieved its objective of spreading basic knowledge about AI and IoT among school students. It contributed to increasing technological awareness in a rural area and inspired students toward future innovation.

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AI Outreach Program for School Students

Organised Under

Institution's Innovation Council (IIC)

In Association With

Vidhyamandir, Andur

Outreach Location

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District: Kolhapur

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