

# Electronica

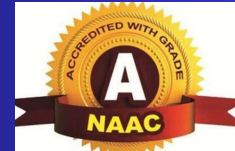


# Newsletter

January 2022 to June 2022



Deogiri Institute of  
Engineering &  
Management Studies



Department of Electronics and  
Telecommunications Engineering

# Electronica Newsletter

Department of Electronics and  
Telecommunication Engineering



January 2022 – June 2022

## DEPARTMENT VISION AND MISSION

### Vision

To provide valuable resources for Industry and Society through research and excellence in Electronics and Telecommunication Engineering

### Mission

1. Educating students with requisite technical expertise to meet the growing challenges of the Industry.
2. Promoting research through constant interaction with research bodies and various Industries.
3. Equipping students with fundamental subject knowledge to enable them for continuing Education.

### Program Educational Objectives (PEOs)

- Graduates would be able to provides the Engineering solution with strong research capabilities in the areas of Electronics and Telecommunication Engineering.
- Graduates would be able to achieve good carrier using improved skill sets.
- Graduates would be able to provide a solid foundation and advanced programming skill in the field of Electronics.

### Program Specific Outcomes (PSOs)

1. Apply knowledge to use modern tools and techniques for Electronics and Telecommunication Engineering
2. Identify Design, and Test Analog, Digital Communication Systems and Signal Processing using software and hardware tools.
3. Design and Develop computing systems while using best practices for software and hardware implementations.
4. Create social and professional skills awareness for lifelong learning.

### List of Program Outcome

1. Engineering knowledge	2. Problem analysis	3. Design/development of solutions	4. Conduct investigations of complex problems
5. Modern tool usage	6. The engineer and society	7. Environment and sustainability	8. Ethics
9. Individual and team work	10. Communication	11. Project management and finance	12. Life-long learning

# Industry Institute Interaction

## Industrial Visit

Sr. No.	Name and Address of The Company/ Industry	Class	No. of student
1	Manu Electricals, Waluj MIDC,Aurangabad	SY-A	47
2	National Dairy Product pvt. Ltd.,Chikhalthana,Aurangabad	SY-B	39
3	Orgisattva Foods Pvt. Ltd., Chikhalthana, Aurangabad	SY-B	49
4	National Dairy Product pvt. Ltd.,Chikhalthana,Aurangabad	TY-A	32
5	Orgisattva Foods Pvt. Ltd., Chikhalthana, Aurangabad	TY-A	32
6	Metalman Auto pvt. Ltd., Waluj, Aurangabad	TY-A	49



# Faculty Activities

## Research Paper Publications

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISBN/ISSN number</b>
<b>Frequency converter for Hindustan Aeronauties Ltd.</b>	<b>Dr. Anita Nikalje</b>	<b>TIJER International Research</b>	<b>2349-9249</b>
<b>Machine learning Models for Parkinson disease detection</b>	<b>Ms. Tejashree Ladhe, Dr Anita S.Walde</b>	<b>International Conference in Advancent in Engineering and Technology</b>	<b>978-81-924893-8-4</b>
<b>Measurement offew Electrical parameters of opuntia Dilnnii plant with time</b>	<b>Dr. Anita Nikalje</b>	<b>Universal Research Analysis</b>	<b>2229-4406</b>
<b>Characteristicati on of chemistry Deposited Lead Sulphide flim from Alkaline mediuum</b>	<b>Dr. Anita Nikalje</b>	<b>Vision Research Review</b>	<b>2250-169</b>

# Faculty Activities

## List of translators and reviewers Recommended for Marathi Language

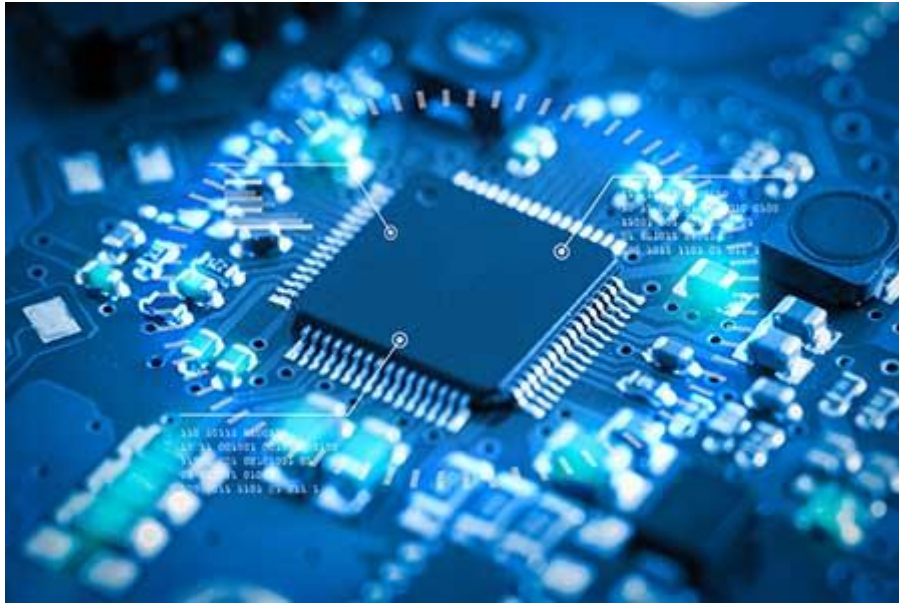
Level	Course Name	Translator	Reviewer
UG	Instrumentation and Control	Dr. R. M. Autee	Dr.U.D.Shiurkar
UG	Electric Circuits & amp; Networks	Name: Prof.S.K.Kapde	Vaidehi Deshpande

## Translation of Course offered by IISER Pune



# Electronica Tech News

## Organic Electronics



Organic Electronics offer several more benefits as compared to electronic products based on inorganic materials such as silicon and gallium arsenide. For example, organic semiconductors along with being lightweight and cost-effective, provide mechanical flexibility and possibility of chemical modifications. In addition, organic electronic materials consume less power. Additionally, a significant property of organic materials-based devices is that these can be produced at room temperature, which allows for integration of large-area electronic functions cost-effectively on flexible substrates.

Organic electronics is garnering significant traction in the medical industry, particularly in the treatment of blindness by insertion of retinal chip in patient's eye. Organic retinal chips convert light rays entering the eye into electrical signals and transfer it to brain via the receptor cells. This technology has enabled patients with blindness to distinguish light and dark, object contours, and occasionally even facial expressions and alphabets.

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Department of Electronics and Telecommunication Engineering

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## Editorial Team

Chief Editor Prof. K.T. Madrewar

Co Editor : Prof. L. K. Shevada

## Students Co-ordinator

**Apeksha Kulkarni, Renuka Mudhalwadkar (E& TC)**

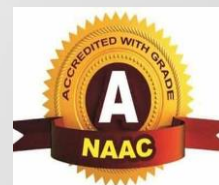
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**Sahyadri Pawar, Vandana fasate ( Btech E&TC)**

Marathwada Shikshan Prasarak Mandal's

**Deogiri Institute of Engineering  
And Management Studies**



Deogiri College Campus, Station Road, Chhatrapati Sambhajinagar-431005  
(M. S.)

PH. No. 0240 – 2367575, 2367555, 2367546, Email Id: admin@dietms.org

Website: www.dietms.org