



# **J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY**

**UGC Autonomous**

**(Accredited by NBA & NAAC, Approved by AICTE & Permanently Affiliated to JNTUH)**

**Bhaskar Nagar, Yenkapally (V), Moinabad(M), P.O. Himayathnagar, R.R. District, Hyderabad-500075.**

## ***Department of Electrical and Electronics Engineering***

**Report on**

***“Design Thinking”***

**Wednesday 25<sup>th</sup> February, 2026@ 02.30 PM**

### **Resource Person**

**Dr. Anoop Kumar Shukla,**

**Professor & HoD - Mechanical Engineering Department,  
JBIET Chief Coordinator, JBIIAI.**

### **Program Co-Ordinator's**

**Mrs. A. Hima Bindu, Assistant Professor, EEE Dept.,**

**Mrs. P. Swati, Assistant Professor, EEE Dept.,**

### **Convener**

**Dr. P. Duraipandy,**

**Associate Professor & Head of the Department**

## **PREAMBLE**

The Department of Electrical and Electronics Engineering was conducted an **Expert lecture “Design Thinking”** for the Students of UG courses.

J.B. Institute of Engineering and Technology was established in 1998, popularly known as JBIET, is a UGC approved Autonomous Institution. JBIET is a NBA and NAAC accredited Institution. The Institute has various laboratories, workshops and other support systems to provide a hands-on experience. It can boast of its well qualified and expert faculty who inculcate the best values and principles. The Institution aims at the holistic development of the students and has a notable Placement track record. The institute also nurtures and promotes Entrepreneurship, provides end to end support in the form of funding for startups. JBIET has been ranked consistently among top Institutions in Telangana and India.

Department of Electrical and Electronics Engineering is one of the oldest departments of JBIET, started in 1998 with a team of highly experienced faculty members. Department offers one UG program (B.Tech – EEE) and one PG program (M.Tech – EPS), with a present intake of 30 UG and 12 PG students. It is accredited by NBA under Tier-I. The department organized various programs such as Faculty development programs, hands-on sessions and technical workshops to strengthen the overall development of the Students and Faculty.

Dr. Anoop Kumar Shukla Professor & Head of the Mechanical Department, JBIET Chief Coordinator, JBIIAI has delivered the Lecture.

### **The course content delivered in the Lecture is as follows:**

The session began with an introduction to the concept of design thinking, highlighting its importance in solving complex real-world problems through a user-centric approach. The speaker explained how design thinking differs from conventional problem-solving methods by focusing on empathy, creativity, experimentation, and iterative improvement.

The lecture elaborated on the five key stages of the design thinking process—Empathize, Define, Ideate, Prototype, and Test. During the Empathize stage, emphasis was placed on understanding user needs through observation, interaction, and stakeholder analysis. In the Define stage, participants learned how to frame clear and impactful problem statements using insights gathered from users. The Ideation phase encouraged creative thinking through brainstorming and structured techniques to generate innovative solutions. The Prototype stage introduced the concept of developing simple and cost-effective models to visualize ideas, followed by the Test stage, which focused on gathering feedback and refining solutions through iterative improvements.

The session further connected design thinking principles to applications in Electrical and Electronics Engineering, including smart energy systems, renewable energy integration, IoT-based automation, and energy-efficient system design. Real-world case studies were discussed to demonstrate how design thinking drives innovation in industry and entrepreneurship. The lecture also emphasized the role of design thinking in product development, patent generation, and startup culture.

An interactive component allowed participants to engage in group discussions, identify practical problems, frame problem statements, and propose innovative solutions. Overall, the

lecture enhanced students' understanding of structured innovation, improved their problem-solving skills, and encouraged a user-focused approach to engineering design and technological development.



**Fig 1: Lecture giving by the Resource Person**

# *Event Brochure*



**JB INSTITUTE OF ENGINEERING & TECHNOLOGY**

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Yenkapally(V), Moinabad(M), R.R.District, Hyderabad-500075 [www.jbiet.edu.in](http://www.jbiet.edu.in)



# EXPERT LECTURE ON “DESIGN THINKING”

Organized by  
**Department of Electrical & Electronics  
Engineering**



25 February 2026,  
2:15 P.M. to 4:00 P.M



JBIIAI SEMINAR HALL



Resource Person

**Dr. Anoop Kumar Shukla**

*Professor & HOD, ME Department, JBIET*

**Program Coordinators:**

Mrs. A. Hima Bindu

Mrs. P. Swati

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# *Resource Person Profile*

**Name:** Dr. Anoop Kumar Shukla

**Designation:** Professor & Head, Department of Mechanical Engineering; Chief Coordinator, JBIIAI.



**Educational Qualifications:**

- Ph.D. in Mechanical Engineering, JNTUH
- M.Tech in Mechanical Engineering, Osmania University (First Class)
- AMIE, Institution of Engineers (India), Kolkata

**Experience:**

- Teaching: 17 Years
- Research: 15 Years
- Industry: 15 Years

**Research Specialization:**

- High Temperature Formability of Titanium Alloys

**Research Grants:**

- SERB-DST (Govt. of India) funded project on High Temperature Formability of Titanium Alloys – ₹21.46 Lakhs.
- AICTE Grant under SPICES Scheme.

**Publications & Patents:**

- Numerous research papers in reputed international journals and conferences
- 05 Patents (National & International)
- H-Index (Scopus): 5

**Awards & Recognitions:**

- Railway Board's First Prize with Gold Medal – Indian Engineering Congress
- BINANI Gold Medal – National Metallurgist Day
- Republic Day Commendation – Indian Air Force
- International Best Research Award

**Research Guidance:**

- Guided 22 M.Tech/Ph.D. Scholars

**Professional Memberships:**

- Life Member – ISME, ISTE, Indian Welding Society, SAE (India), Indian Institute of Metals.

*Circular*



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Yenkajully (Vi), Moinabad (M), P.O. Himayat Nagar, R. R. District, Hyderabad -500 075.

Phone No: 08413-235127, 235053, Fax: 08413-235753

Date: 20-02-2026

**Department of Electrical & Electronics Engineering**

**CIRCULAR**

All the III B.Tech EEE students are hereby informed that an **Expert Lecture on "Design Thinking"** is being organized by the Department of EEE as per the details given below:

**Title:** Design Thinking

**Date:** 25th February 2026 (Wednesday)

**Time:** 2:15 P.M. to 4:00 P.M.

**Venue:** JBIIAI Seminar Hall.

**Resource Person:**

Dr. Anoop Kumar Shukla

Professor & HoD – Mechanical Engineering Department, JBIET

Chief Coordinator, JBIIAI


**Program Coordinators:**

Mrs. A. Hima Bindu

Mrs. P. Swati

The session aims to provide insights into innovative problem-solving methodologies, creative ideation processes, and practical implementation of design thinking principles in engineering practice.

All III B.Tech EEE students are instructed to attend the session without fail and actively participate in the interaction.

  
HOD, EEE DEPT.  
Dr. P. DURAI PANDY

HOD - EEE  
J B Institute of Engineering & Technology  
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Bhaskar Nagar, Moinabad Mandal  
Hyderabad - 500 075.

***FEEDBACK FORM &  
RESPONSES***



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## FEEDBACK FORM

### Expert Lecture on "Design Thinking"

Dates: 25<sup>th</sup> February 2026

#### Participant Details:

Name: T. Nanda Kishore Yadav

Organization/Institution: JBIET

Email: thottela@gmail.com


Contact Number: 630375224

#### Please rate the following aspects (Tick appropriate rating):

Criteria	Excellent	Good	Average	Poor
Content Quality	✓			
Trainer's Knowledge		✓		
Practical Sessions		✓		
Workshop Organization	✓			
Overall Experience		✓		

#### Additional Feedback:

1. What did you find most useful in this Program?  
*Explaining how innovation can be structured using design thinking methodologies.*
2. What improvements would you suggest?  
*More practical activities, examples from industry.*
3. Any additional comments or suggestions:  
*Encourage students to think creatively & develop innovative solutions.*

  
Signature of Participant

Thank you for your valuable feedback!

*Screenshots of the session*



***Fig 2: Lecture giving by the Resource Person***

**SCREENSHOTS OF ATTENDEES:**



***Fig 3: Participants Photo 1***



***Fig 4: Participants Photo 2***

