



# **NANDHA**

## **ENGINEERING COLLEGE** (Autonomous)

Erode – 638 052.

(Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi, Accredited by NAAC (A+ grade))

# **IQAC**

## **INTERNAL QUALITY ASSURANCE CELL**

**Activity Report**

**2023 - 2024**



**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACTIVITIES**

<b>S. No.</b>	<b>Date</b>	<b>Name of the Programme</b>	<b>Resource Persons</b>
1	17.02.2024	Teaching and learning the OBE way & Happiness-Motivational session	Dr. U.S. Ragupathy Principal-NEC  Dr. Babu Rangarajan Clinical Psychologist
2	26.02.24 & 27.02.2024	Train your Brain on Aptitude Shortcuts	Mr. R. Shankar, Assistant Professor, Bio-Medical Engineering, NEC
3	06.04.2024	Networking and Collaborative Research & Demonstration of Winning Proposal	Dr. T. Daniel Thangadurai, KPRIET, Coimbatore
4	12.04.2024	All About Attainment (NBA Orientation Programme)	Dr. U.S. Ragupathy Principal-NEC
5	18.05.2024	Faculty Development Programme- FDP- Expert Interaction	Thiru. Kannan Narasimhan Dean- Industry & International Relationships, Sri Eshwar College of Engineering

# NANDHA ENGINEERING COLLEGE, AUTONOMOUS- ERODE-52

## CENTRE FOR LEARNING AND DEVELOPMENT & OFFICE OF CoE

### PROGRAMME: FACULTY DEVELOPMENT PROGRAMME-FDP

DATE: 17.02.2024- SATURDAY

### EVENT REPORT



#### SESSION DETAILS:

SESSION	TIME	TOPIC	RESOURCE PERSON
I	9.45 AM-10.45 AM	HAPPINESS MOTIVATIONAL SESSION	Dr. BABU RANGARAJAN CLINICAL PSYCHOLOGIST
II	11.00 AM – 1.00 PM	TEACHING AND LEARNING THE OBE WAY	Dr. U.S. RAGUPATHY PRINCIPAL-NEC

#### PARTICIPANT DETAILS:

<b>TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)</b>	<b>117</b>
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#### Session - I

#### Session Outcome:

At the end of this motivational session on Happiness, participants will be able to

1. Understand the importance of cultivating happiness in their lives.
2. Identify key strategies and practices to enhance their overall sense of well-being and contentment.
3. Empowered to prioritize their mental and emotional health by incorporating positive habits and perspectives into their daily routines.

#### About the session:

Dr. Babu Rangarajan, Clinical Psychologist encouraged participants to reflect on what happiness means to them personally and emphasize that happiness is a subjective and individual experience. He also discussed the importance of resilience and the ability to learn and grow from difficulties. He demonstrated different laughing therapy exercises and made everyone to laugh in high decibels.

#### KEY TAKE AWAYS FROM THE SESSION

#### Self- Care and well- being

- ❖ Emphasize the importance of taking care of one's physical and mental health.

- ❖ Discuss activities that promote well-being, such as regular exercise and adequate sleep.

### **Finding Purpose:**

- ❖ Discuss the significance of having a sense of purpose in life.
- ❖ Help participants explore their passions and identify activities that bring them joy and fulfilment.

### **Laughter and Humour**

- ❖ Share the therapeutic benefits of laughter and humour.
- ❖ Encourage participants to find joy in the lighter side of life.

### **SESSION- I- HAPPINESS- MOTIVATIONAL SESSION**



*Inaugural Session*



*Dr. Babu Rangarajan, Clinical Psychologist addressed the faculty members about the importance of mental health and Happiness*

## **SESSION- II**

### **TEACHING AND LEARNING -THE OBE WAY**

#### **Session Outcome:**

At the end of the session on Teaching and Learning – The OBE way, participants will be

- Understand the Revised Bloom Taxonomy of learning, and the three domains (Cognitive, Affective and Psychomotor) of learning.
- Write good outcomes of a course in an engineering program.
- Design instruction for attaining the course outcomes ensuring good alignment between course outcomes, instruction and assessment

#### **About the session:**

Dr.U.S. Ragupathy explained the importance of integrating OBE principles into their teaching practices. He discussed the various instructional methods and classroom activities to ensure that they support the attainment of learning outcomes. He also insisted the participants to gain insights into quality assurance processes related to OBE and understand how OBE aligns with accreditation standards.

### **KEY TAKE AWAYS FROM THE SESSION**

#### **Continuous Improvement**

- ❖ Participants should understand the importance of ongoing assessment and feedback to continually improve the educational process. This involves using assessment data to make informed decisions about curriculum and instructional improvements.

#### **Designing Aligned Curriculum:**

- ❖ Training should empower participants to design or modify curriculum in a way that aligns with the identified learning outcomes. This includes selecting appropriate teaching and assessment strategies to support the achievement of these outcomes.

#### **Stakeholder Engagement**

- ❖ Participants should be able to deliver OBE concepts and benefits to all student. Effective communication is crucial for gaining support and understanding for the implementation of OBE.



*Dr.U.S. Ragupathy, Principal-NEC explained the importance of outcome-based education and its salient features*



*Dr.U.S. Ragupathy, Principal-NEC explained the importance of outcome-based education and its salient features*

# NANDHA ENGINEERING COLLEGE, AUTONOMOUS- ERODE-52

## CENTRE FOR LEARNING AND DEVELOPMENT

PROGRAMME: FACULTY DEVELOPMENT PROGRAMME-FDP

DATE: 26.02.2024 & 27.0.2.2024 – MONDAY & TUESDAY



### EVENT REPORT

(TRAIN YOUR BRAIN ON APTITUDE SHORTCUTS)

#### SESSION DETAILS:

SESSION	TIME	TOPIC	RESOURCE PERSON
I	9.30 AM TO 12.50 PM	RATIO AND PROPORTION, AVERAGE	R.SHANKAR, AP/BME
II	2.00 PM TO 4.30 PM	PERCENTAGE, PROFIT AND LOSS	
III	9.30 AM TO 12.50 PM	SIMPLE & COMPOUND INTEREST	
IV	2.00 PM TO 4.30 PM	TIME AND WORK	

#### PARTICIPANT DETAILS:

<b>TOTAL NUMBER OF FACULTY PARTICIPANTS</b> (From all the Departments)	<b>12</b>
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#### Outcome:

At the end of this Train your Brain on Aptitude shortcuts, participants will be able to

1. Employ shortcuts, individuals can solve quantitative problems more quickly and efficiently.
2. Improve their accuracy in solving quantitative problems, minimizing the risk of making mistakes and achieving more consistent results through shortcuts.
3. Recognize patterns, identifying common shortcuts, and understanding the rationale behind them, individuals develop stronger problem-solving

skills that transcend specific techniques.

**About the session:**

Mr.R.Shankar, Aptitude Trainer encouraged participants to get an overview of a quantitative aptitude session designed to enhance numerical reasoning and problem-solving abilities. Depending on the level of the session, participants might also learn advanced problem-solving techniques and shortcuts to tackle quantitative problems more efficiently. These shortcuts can be particularly helpful in timed assessments where speed is crucial.

**KEY TAKE AWAYS FROM THE SESSION**

**Problem-Solving Skills:**

- ❖ Enhanced their problem-solving skills in quantitative aptitude and logical reasoning. They should be able to apply various techniques and strategies to solve different types of problems efficiently and accurately.

**Time Management:**

- ❖ Time management in aptitude involves planning and allocating time for different types of questions or sections in an exam.
- ❖ Prioritize questions based on difficulty level, personal strengths, and time constraints.

**Challenge Level:**

- ❖ Develop a strategic approach for tackling challenging questions, including breaking down complex problems into smaller, manageable parts.
- ❖ Use shortcut methods and logical reasoning to approach difficult questions easily.





*Mr.R.Shankar, Aptitude Trainer delivered the shortcuts to the faculty members about the importance of problem solving.*

# NANDHA ENGINEERING COLLEGE, AUTONOMOUS- ERODE-52

## CENTRE FOR LEARNING AND DEVELOPMENT& R & D Cell



PROGRAMME: WORKSHOP

DATE: 06.04.2024- SATURDAY



### EVENT REPORT

#### SESSION DETAILS:

SESSION	TIME	TOPIC	RESOURCE PERSON
I	9.30 AM - 11.00 AM	Networking and Collaborative Research	Dr. R. Maheshwar Director In-charge-CFRD, KPR Institute of Engineering and Technology, Coimbatore
II	11.15 AM – 12.45 PM	Art of Publishing Books	
III	01.30 PM - 03.00 PM	How to Write a Competitive Research Proposal- A General Guide	Dr. T. Daniel Thangadurai Associate Director-CFRD, KPR Institute of Engineering and Technology, Coimbatore
IV	03.15 PM – 04.15 PM	Demonstration of Winning Proposal	

#### PARTICIPANT DETAILS:

<b>TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)</b>	<b>100</b>
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### **Session - I & II: NETWORKING AND COLLABORATIVE RESEARCH & ART OF PUBLISHING BOOKS**

#### Session Outcome:

At the end of this session on Networking and Collaborative Research, participants will be able to

4. Understand valuable insights and practical guidance on various aspects of research.
5. Identify key strategies and practices to enhance their skill in networking, collaborative research, paper publishing, and research proposal writing.
6. Empowered to excel in their research endeavours.
7. identify suitable publishers, writing book proposals, and navigating the publication process.

#### About the session:

Dr. Maheshwar delivered an insightful session on networking and collaborative research. He shared valuable strategies and tips for establishing effective research

networks and fostering collaborations. Additionally, resource person provided guidance on the art of publishing papers, covering key aspects such as selecting suitable journals, writing impactful manuscripts, and navigating the publication process.

### KEY TAKE AWAYS FROM THE SESSION

#### Networking Opportunities:

- ❖ Provide networking opportunities for participants to connect with peers, researchers, and experts in their respective fields.
- ❖ Collaboration and knowledge-sharing with conducive environment for future research endeavors.

#### Collaborative Research Activities:

- ❖ Discuss the significance of having diverse expertise enhances research outcomes.
- ❖ Help participants explore their Collaboration which enhances innovation and productivity in research.

#### Art of Publishing Book:

- ❖ Help the faculty members in Writing and publishing books which contribute to academic.
- ❖ Selection of wise topics, considers target audiences, and adheres to publisher guidelines.





*Dr. R. Maheshwar addressed the faculty members about the networking and collaborative research & Art of publishing papers*

**SESSION- III & IV: HOW TO WRITE A COMPETITIVE RESEARCH PROPOSAL  
A GENERAL GUIDE &  
DEMONSTRATION OF WINNING PROPOSAL**

**Session Outcome:**

At the end of the session on How to Write a Competitive Research Proposal- a general guide and Demonstration of winning proposal, participants will be

1. Gained clarity on essential components of a research proposal, including problem definition, objectives, and methodology.
2. Practical insights for structuring a compelling proposal to attract funding.
3. Learned effective presentation techniques to showcase the research's significance and feasibility

**About the session:**

Dr. T. Daniel Thangadurai conducted a session focused on writing competitive research proposals. He offered practical advice on structuring proposals, identifying research gaps, formulating research questions, and highlighting the significance of the

proposed research. Participants gained valuable insights into crafting compelling proposals that stand out in competitive grant applications.

### **KEY TAKE AWAYS FROM THE SESSION**

#### **Understanding Research Proposal Essentials:**

- ❖ Participants gained a comprehensive understanding of the essential components of a research proposal.
- ❖ They learned about the importance of clearly defining the research problem, objectives, and methodology.

#### **Crafting a Competitive Proposal:**

- ❖ Dr. T. Daniel Thangadurai provided practical guidance on structuring a research proposal to make it competitive.
- ❖ Attendees learned how to present their research in a compelling and persuasive manner to attract funding.

#### **Demonstration of Winning Proposal:**

- ❖ Through a demonstration of a winning research proposal, participants gained insights into effective proposal writing strategies.
- ❖ They learned from real-life examples of successful proposals and identified key elements contributing to their success.



*Dr. T. Daniel Thangadurai addressed the faculty members about the Demonstration of winning proposal*

# NANDHA ENGINEERING COLLEGE, AUTONOMOUS- ERODE-52

## CENTRE FOR LEARNING AND DEVELOPMENT & IQAC

### PROGRAMME: FACULTY DEVELOPMENT PROGRAMME-FDP



DATE: 18.05.2024- SATURDAY

### EVENT REPORT



#### SESSION DETAILS:

SESSION	TIME	TOPIC	RESOURCE PERSON
I	10.00 AM- 11.00 AM	Academics & Placement	Thiru. Kannan Narasimhan

#### PARTICIPANT DETAILS:

<b>TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)</b>	<b>105</b>
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#### Session Outcome:

At the end of the interaction with the expert, participants will be able to

1. Get insights about current trends, practices, and real-world challenges, helping faculty ensure that their curriculum remains relevant and up-to-date.
2. Develop practical examples and case studies that bridge the gap between theoretical concepts and real-world application.
3. Gain professional development opportunities by interacting with industry experts

#### About the session:

Thiru. Kannan Narsimhan is an experienced industry person currently working as a Dean- Industry & International Relationships, Sri Eshwar College of Engineering, Coimbatore.

During his session, he insisted that faculty members can build connections with industry experts, leading to potential collaboration opportunities such as joint research projects, internships, or job placements for student and he also added that Collaboration between faculty members and industry experts can lead to joint research

projects, funding opportunities, and the exchange of ideas that benefit both academia and industry.

## KEY TAKE AWAYS FROM THE SESSION

### Professional Development

- ❖ Faculty members can gain valuable professional development opportunities by interacting with industry experts, staying abreast of the latest advancements, and expanding their own networks and knowledge

### Feedback Loop

- ❖ Industry experts can provide feedback on academic programs, suggesting areas for improvement or emerging skills that students should develop to meet industry demands.

### Event Photos:



*Thiru. Kannan Narasimhan interacted with the faculty members of Nandha Engineering College*