



# NANDHA

## ENGINEERING COLLEGE (Autonomous)

Erode – 638 052.

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



### CLD NANDHA

**CENTRE FOR  
LEARNING AND  
DEVELOPMENT**



**CLD Activity Report  
Jan 2024- June 2024**





## CENTRE FOR LEARNING AND DEVELOPMENT

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# 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:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	117
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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:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	12
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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:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	100
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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:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	<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*

# NANDHA ENGINEERING COLLEGE, AUTONOMOUS- ERODE-52

## CENTRE FOR LEARNING AND DEVELOPMENT & IQAC

### PROGRAMME: FACULTY DEVELOPMENT PROGRAMME-WORKSHOP



DATE: 08.06.2024- SATURDAY

### EVENT REPORT



#### SESSION DETAILS:

SESSION	TIME	TOPIC	RESOURCE PERSON
I	9.30 am – 12.45 pm	Effective Implementation on OBE	<b>Dr. Kanmani Buddhi</b> Professor/E&TE BMS College of Engineering Bengaluru
II	2.00 pm – 4.30 pm		

#### PARTICIPANT DETAILS:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	<b>159</b>
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#### Session Outcome:

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

- ❖ Understand the fundamental principles of Outcome-Based Education, including the emphasis on clearly defined learning outcomes, continuous assessment, and the alignment of curriculum, instruction, and assessment.
- ❖ Articulate and understand the specific learning outcomes expected of them in their courses or programs.
- ❖ Recognize how OBE promotes equity, diversity, inclusion, and lifelong learning.

#### About the session:

The workshop started with an introduction to the concept of Outcome-Based Education, explaining its origins, principles, and predominant goals. A significant portion of the workshop focused on the process of defining clear, measurable learning outcomes. Participants learnt how to articulate specific, observable statements that describe what students should know, understand, and be able to do by the end of a learning experience. Throughout the workshop, there were a mix of presentations, discussions, hands-on activities, case studies, and collaborative exercises to engage participants and facilitate deeper learning.



## KEY TAKE AWAYS FROM THE SESSION

### ❖ Focus on Learning Outcomes

Understanding that the core of OBE lies in clearly defined and measurable learning outcomes. Participants grasp the importance of aligning curriculum, instruction, and assessment with these outcomes to ensure meaningful and relevant learning experiences for students.

### ❖ Student -Centric Approach

Recognizing the shift from a teacher-cantered to a student-cantered approach in education. Participants understand the significance of empowering students to take ownership of their learning, set goals, and engage actively in the learning process.

### ❖ Curriculum Alignment

Understanding the necessity of aligning curriculum with learning outcomes to ensure coherence and progression in student learning. Participants learn strategies for mapping curriculum components to desired outcomes and adjusting instruction as needed to support student achievement.

## Event Photos:



*Principal Dr.U. S Ragupathy honoured the guest speaker during the event*





*Faculty Interaction/ Hand on session with the expert*

**Event Poster:**



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## CLD NANDHA

In Association with  
Internal Quality Assurance Cell (IQAC)

June  
**08**  
2024

📍 NEC - Conference Hall

09:30 AM - 04:30 PM

FACULTY DEVELOPMENT PROGRAMME

# EFFECTIVE IMPLEMENTATION ON OBE

(OUTCOME BASED EDUCATION)

RESOURCE PERSON



**Dr. Kanmani Buddhi**

Professor / Department of E&TE  
BMS College of Engineering,  
Bengaluru.

[www.nandhaengg.org](http://www.nandhaengg.org)





# NANDHA

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## Research and Development



### R & D Activity Report Jan 2024- June 2024





**NANDHA ENGINEERING COLLEGE, AUTONOMOUS- ERODE-52**  
**CENTRE FOR LEARNING AND DEVELOPMENT&OFFICE OF CoE**



**PROGRAMME: WORKSHOP**  
**DATE: 06.04.2024- SATURDAY**  
**EVENT REPORT**



**Name of the Event : Workshop on Exploring Research: A Path Forward**

**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	Dr. R. Maheshwar Director In-charge-CFRD, KPR Institute of Engineering and Technology, Coimbatore
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	Dr. T. Daniel Thangadurai Associate Director-CFRD, KPR Institute of Engineering and Technology, Coimbatore

**PARTICIPANT DETAILS:**

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	100
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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

1. Understand valuable insights and practical guidance on various aspects of research.
2. Identify key strategies and practices to enhance their skill in networking, collaborative research, paper publishing, and research proposal writing.
3. Empowered to excel in their research endeavours.
4. 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*



*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.

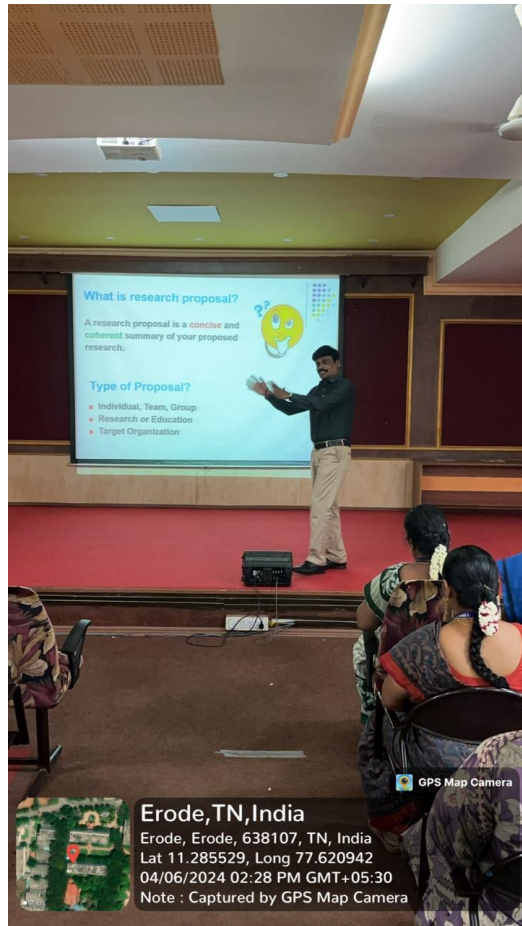
### **Demonstration of Winning Proposal:**

- ❖ 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 How to write a competitive research proposals*





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

# NANDHA ENGINEERING COLLEGE, (AUTONOMOUS)- ERODE-52

## RESEARCH AND DEVELOPMENT CELL

PROGRAMME: WORKSHOP

DATE: 09.04.2024 & 10.04.2024

### EVENT REPORT

**Name of the Event: Workshop on Research Methodology and Art of Writing Research Paper**



#### SESSION DETAILS:

Date	SESSION	TIME	TOPIC	RESOURCE PERSON
09.04.2024	I	9.30 AM – 12.45 PM	Problem formulation Technique	Dr. S. Shankar, Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai.
	II	01.30 PM – 04.30 PM	Identification of Referred Journals	
10.04.2024	I	9.30 AM – 12.45 PM	Elements of review paper	
	II	01.30 PM – 04.30 PM	Utilization of Endnote Tool	

#### PARTICIPANT DETAILS:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	70
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#### Day: 1

#### **Session - I & II: Problem Formulation Technique & Identification of Referred Journals**

#### **Session Outcome:**

At the end of this session on Problem formulation Technique & Identification of Referred Journals, participants will be able to

5. Understand valuable insights and practical guidance on various aspects of problem formulation in the research field.
6. Identify key strategies and practices to enhance their skill in collaborative research, paper publishing, and review paper writing.
7. Empowered to excel in their research endeavours.

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

Dr. S. Shankar delivered an insightful session on Problem formulation Technique & Identification of Referred Journals. He shared valuable strategies and tips for establishing effective problem identification and also to trace out suitable referred journals. Additionally, resource person provided guidance on the art of publishing papers, covering key aspects such as writing impactful manuscripts, and navigating the publication process.

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

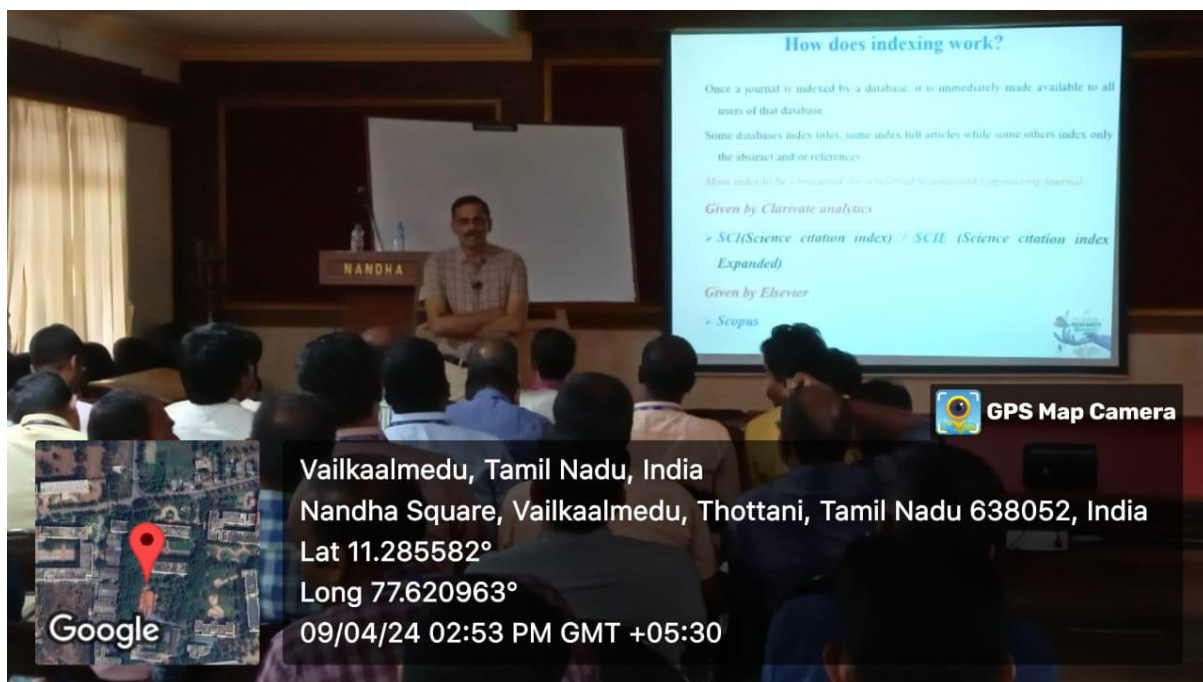
#### **Problem formulation Technique:**

- ❖ Provide knowledge about the complete flowchart of problem formation technique which involves keywords selections, literature survey, and forward and reverse citations.

- ❖ Connect with peers, researchers, and experts in their respective fields. Collaboration and knowledge-sharing with conducive environment for future research endeavors.

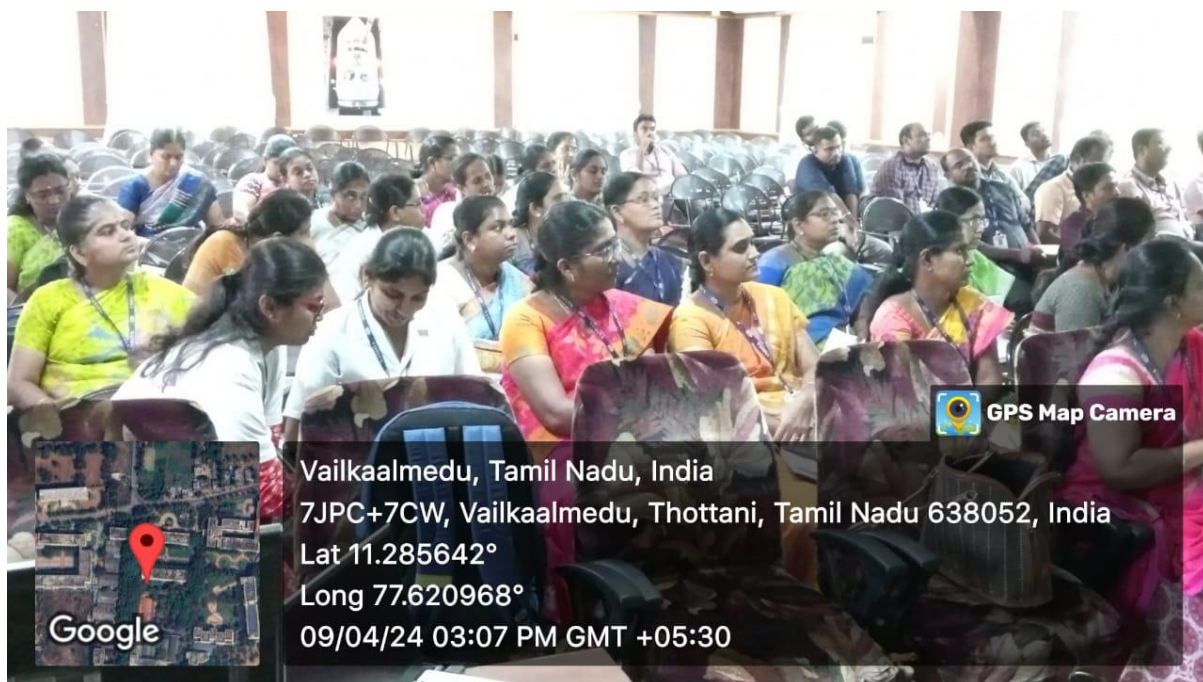
#### Identification of Referred Journals:

- ❖ Discuss the significance of having diverse expertise enhances the research outcomes.
- ❖ Participants were exposed to explore their research knowledge to identify the suitable referred journals and to collaborate with peer group to enhance innovation and productivity in research.



*Dr. S. Shankar addressed the faculty members about the Problem formulation Technique & Identification of Referred Journals*





*Dr. S. Shankar addressed the faculty members about the Problem formulation Technique & Identification of Referred Journals*

## **DAY - 2**

### **SESSION- I & II: Elements of review paper&Utilization of Endnote Tool**

#### **Session Outcome:**

At the end of the session on “Elements of review paper&Utilization of Endnote Tool”, participants will be able to

4. Gained clarity on essential components of elements of review paper and utilization of end note tool in a more effective manner.
5. The session also gave guidance in problem definition, objectives, and methodology.
6. Learned effective usage of reference management software namely End Note.

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

Dr. Shankar conducted a session focused on writing competitive review papers by knowing all the elements of it. He offered practical advice on identifying research gaps, formulating research questions, and highlighting the significance of the review paper. Participants gained valuable insights in crafting the usage of Endnote software for easy accessibility of bibliography.

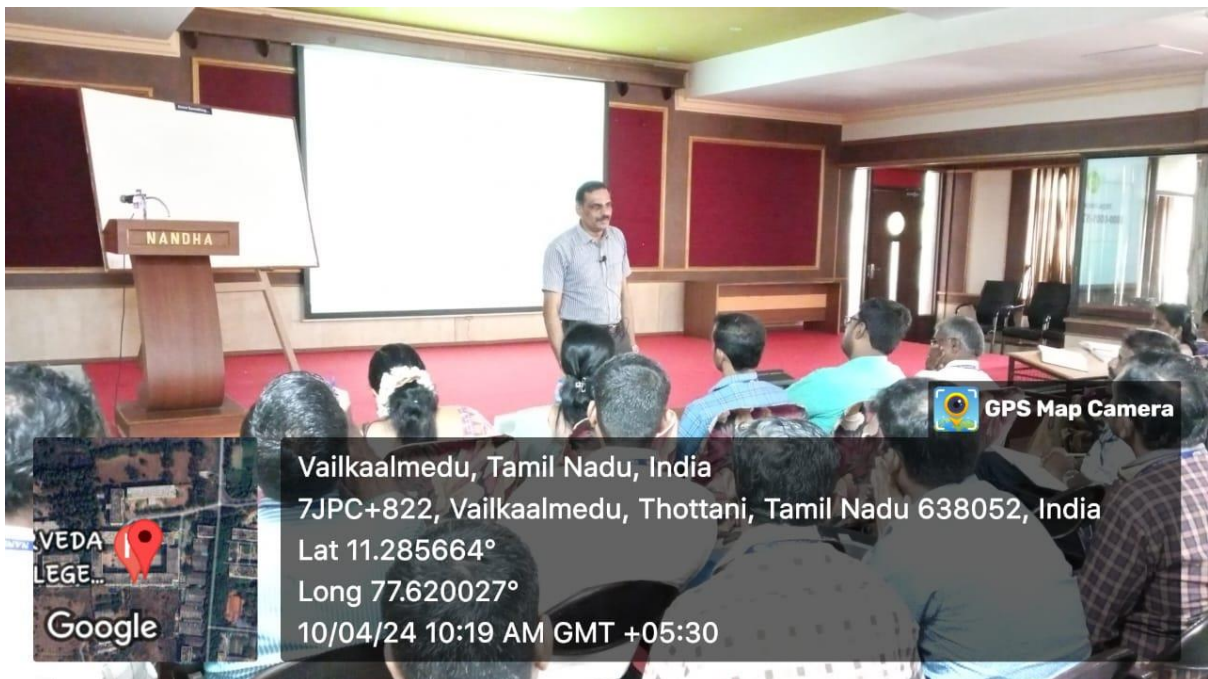
## KEY TAKE AWAYS FROM THE SESSION

### Elements of review paper:

- ❖ Participants gained a comprehensive understanding of the essential elements of a review paper.
- ❖ Participants learned about the importance of defining the research problem, objectives, and methodology.

### Utilization of Endnote Tool:

- ❖ Attendees learned installation and working of the reference management software.
- ❖ Participants gained knowledge to make changes in references according to the respective referred journals.



*Dr. S. Shankar addressed the faculty members about Elements of review paper & Utilization of Endnote Tool*



*Dr. S. Shankar addressed the faculty members about Elements of review paper&Utilization of Endnote Tool*



# NANDHA ENGINEERING COLLEGE, (AUTONOMOUS)- ERODE-52

RESEARCH AND DEVELOPMENT CELL

PROGRAMME: WORKSHOP

DATE: 25.04.2024

EVENT REPORT



**Name of the Event: Workshop on Research Methodology and Art of Writing Research Paper**

## SESSION DETAILS:

SESSION	TIME	TOPIC	RESOURCE PERSON
I	9.30 AM – 1.00 PM	Writing Scientific Articles	Dr. S. Shankar, Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai.
II	2.00 PM – 04.30 PM	Effectively Writing and Submitting Projects to Government Funding Agencies	

## PARTICIPANT DETAILS:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	67
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### **Session - I & II: Writing Scientific Articles & Effectively Writing and Submitting Projects to Government Funding Agencies**

#### **Session Outcome:**

At the end of this session on Writing Scientific Articles & Effectively Writing and Submitting Projects to Government Funding Agencies, participants will be able to

1. Understand the primary purpose of a scientific research article writing and ways to get started with the writing process.
2. Developing a clear, a well-structured narrative, with a logical flow from problem to solution, makes your proposal more persuasive and easier to understand.
3. Identify key strategies and practices to enhance their skill in order to write effective research proposal based on the agency guidelines.

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

Dr. S. Shankar, in his lecture, discussed about the selection of an appropriate journal for submission of the manuscript. He explained the techniques of writing the different sections of a research papers and emphasized on writing the paper with the originals results obtained by the researcher. He also discussed the types of plagiarism and its repercussions. Dr. Shankar discussed every minute detail to be considered while preparing the manuscript. Additionally, the resource person provided guidance on the art of writing effective research projects, covering key aspects such as problem identification, hypothetical methods, and guidelines for

effectively getting research projects from funding agency.

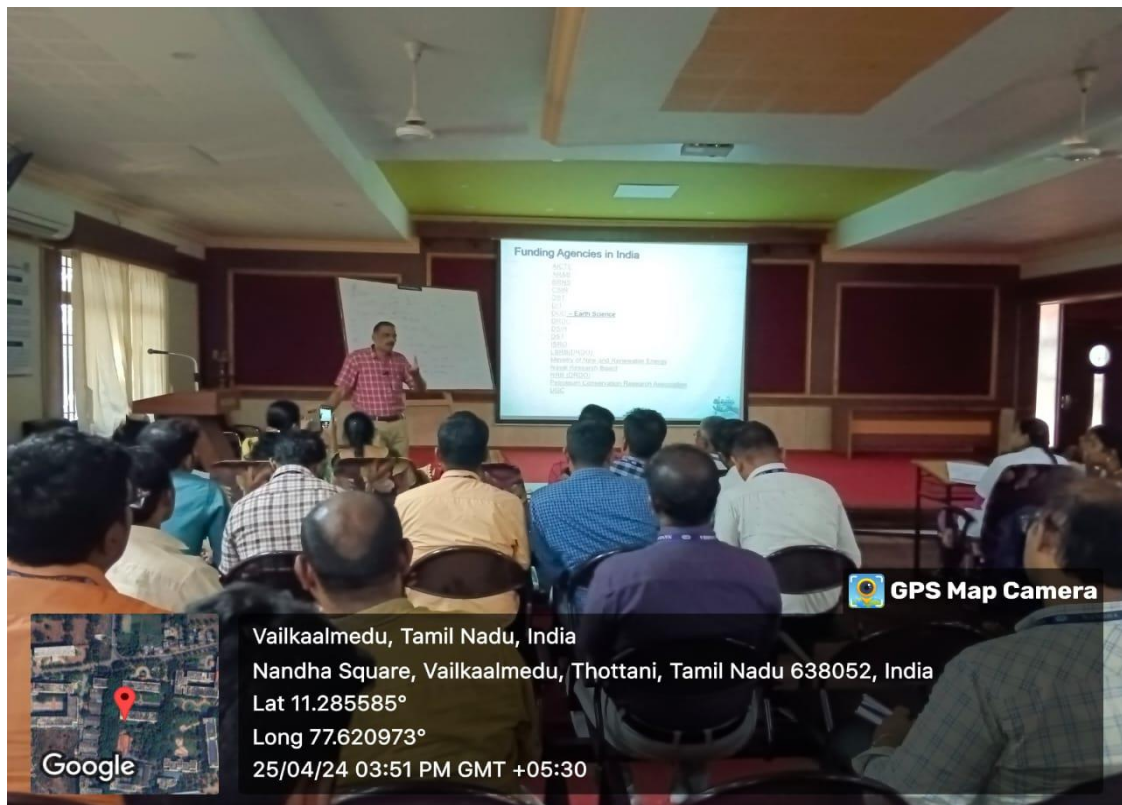
## KEY TAKE AWAYS FROM THE SESSION

### Writing Scientific Articles:

- Provide knowledge about the complete flowchart of writing scientific articles which involves keywords selections, literature survey, hypotheses to be tested, a description of methods and forward and reverse citations.
- Connect with peers, researchers, and experts in their respective fields. Collaboration and knowledge-sharing with conducive environment for future research endeavors.

### Effectively Writing and Submitting Projects to Government Funding Agencies:

- Understand the how adopted research methods that are sufficiently rigorous, well developed, and appropriate in order to achieve the aims of the study.
- Participants were exposed to explore their research knowledge to identify the current research problem and to demonstrate how our problem engages with the existing literature, scholarship, professional best practices, or creative conversations.





*Dr. S. Shankar addressed the faculty members about the Writing Scientific Articles & Effectively Writing and Submitting Projects to Government Funding Agencies*



# NANDHA ENGINEERING COLLEGE, (AUTONOMOUS)- ERODE-52

RESEARCH AND DEVELOPMENT CELL

PROGRAMME: WORKSHOP

DATE: 24.05.2024 & 25.05.2024

## EVENT REPORT

***Name of the Event: A Quest for Paper and Proposal Writing***

### SESSION DETAILS:

Date	SESSION	TIME	TOPIC	RESOURCE PERSON
24.05.2024	I	9.30 AM – 12.45 PM	Components of review Article	Dr. S. Shankar, Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai.
	II	01.30 PM – 04.30 PM	Introduction to Endnote Software	
25.05.2024	I	9.30 AM – 12.45 PM	Scientific writing and Publishing Articles	
	II	01.30 PM – 04.30 PM	Writing and submitting a successful Grand proposal	

### PARTICIPANT DETAILS:

TOTAL NUMBER OF FACULTY PARTICIPANTS (From all the Departments)	96
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### DAY - 1

#### **SESSION- I & II: Components of review Article & Introduction to Endnote Software**

#### **Session Outcome:**

At the end of the session on “Components of review Article & Introduction to Endnote Software”, participants will be able to

1. Understanding the essential components of elements of review paper and utilization of end note tool in a more effective manner.
2. The session also gave proper guidance in finding research gaps, problem definition, objectives, and methodology and generate some ideas about further field of research.
3. Learned effective usage of reference management such as insert citations and references from EndNote Library into our document.

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

Dr. Shankar conducted a session focused on writing competitive review papers by knowing all the elements of it. He offered practical advice on identifying

research gaps, formulating research questions, and highlighting the significance of the review paper. Participants gained valuable insights in crafting the usage of Endnote software for easy accessibility of bibliography.

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

#### **Components of review Article:**

- ❖ Participants gained a comprehensive understanding of the essential elements of a review paper and also understanding how to identifying the key elements for preparing the such review paper.
- ❖ Participants learned about the importance of defining the research problem, objectives, and methodology.

#### **Introduction to Endnote Software:**

- ❖ Attendees learned installation and working of the reference management software. Also learned key idea of importance of Endnotes i.e., providing a less distracting to the reader and allows the narrative to flow better.
- ❖ Participants gained knowledge to make changes in references according to the respective referred journals.
- ❖ Participants Cleary understand how to save our selected references/citations from online resources namely, library databases and Google Scholar to export them into our EndNote Desktop library for writing review article.



*Dr. S. Shankar addressed the faculty members about Components of review Article&Introduction to Endnote Software.*



*Dr. S. Shankar addressed the faculty members about Components of review Article&Introduction to Endnote Software*

## **DAY - 2**

### **Session - I & II: Scientific writing and Publishing Articles&Writing and submitting a successful Grand proposal**

#### **Session Outcome:**

At the end of this session onScientific writing and Publishing Articles & Writing and submitting a successful Grand proposal, participants will be able to

1. Got to know about the scientific article writing skills and its importance and the knowledge gained will help participants for while writing their projects.
2. Developing a clear, a well-structured narrative, with a logical flow from problem to solution, makes your proposal more persuasive and easier to understand.
3. Identify key strategies and practices to enhance their skill in order to write effective research proposal based on the agency guidelines.

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

Dr. S. Shankar, in his lecture, discussed about the selection of an appropriate



journal for submission of the manuscript. He explained the techniques of writing the different sections of a research papers and emphasized on writing the paper with the originals results obtained by the researcher. He also discussed the types of plagiarism and its repercussions. Dr. Shankar discussed every minute detail to be considered while preparing the manuscript. He explained the different components of a research paper and briefly stated the relevant steps to consider while writing a research paper, which are as follows – (i) Choose a topic (ii) brainstorm/idea dump (iii) review/research and refer (iv) Organize your thoughts (v) Create an Outline – Make topics, subtopics, (vi) Write without conditions (vii) Review & Revise for grammar, logic, flow and consistency (viii) Edit & Proofread. At the end the speaker cleared the doubts of participants and answered the questions raised by the attendees.

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

#### **Scientific writing and Publishing Articles:**

- Conform to the formatting guidelines and other style conventions of the journal to which you are submitting
- Connect with peers, researchers, and experts in their respective fields. Collaboration and knowledge-sharing with conducive environment for future research endeavors.

#### **Writing and submitting a successful Grand proposal:**

- Understand the how adopted research methods that are sufficiently rigorous, well developed, and appropriate in order to achieve the aims of the study.
- Participants were exposed to explore their research knowledge to identify the current research problem and to demonstrate how our problem engages with the existing literature, scholarship, professional best practices, or creative conversations.



*Dr. S. Shankar addressed the faculty members about the Scientific writing and Publishing Articles & Writing and submitting a successful Grand proposal*