



**NARSIMHA REDDY
ENGINEERING COLLEGE**

An Autonomous Institution | Affiliated to JNTUH | Approved by AICTE
Accredited by NBA & NAAC with 'A' Grade



**Department
of
Electronics and Communication
Engineering**

**Faculty Readiness Programme
Report
On
IoT APPLICATIONS**

FACULTY READINESS PROGRAMME (FRP) REPORT

ON

IoT APPLICATIONS

Organized by

Department of Electronics and Communication Engineering (ECE)

Department of Electrical and Electronics Engineering (EEE)

Narsimha Reddy Engineering College, Hyderabad

Dates of Conduct:

05 June 2026 – 06 June 2026

Resource Person:

Dr. V. Purandhar Reddy

Head of the Department, ECE

1. INTRODUCTION

The rapid growth of the Internet of Things (IoT) has transformed the way devices, systems, and services interact in various domains including agriculture, healthcare, smart cities, industrial automation, environmental monitoring, and intelligent transportation systems. As IoT technologies continue to evolve, engineering educators must continuously update their technical knowledge and teaching methodologies to effectively guide students in emerging technology areas.

To strengthen faculty competency in IoT technologies and their practical applications, the Departments of Electronics and Communication Engineering (ECE) and Electrical and Electronics Engineering (EEE) organized a two-day Faculty Readiness Programme (FRP) on **“IoT Applications”** during **05–06 June 2026**. The programme was conducted by **Dr. V. Purandhar Reddy**, Head of the Department, ECE.

The programme focused on real-world IoT applications including Smart Agriculture, IoT-based Weather Monitoring Systems, Air Quality Monitoring Systems, Smart Home Automation, Computer Vision, and the integration of IoT with Computer Vision technologies. The sessions emphasized practical implementation strategies, sensor integration, data acquisition, wireless communication, cloud connectivity, and intelligent decision-making systems.

The programme served as a valuable platform for faculty members to enhance their understanding of contemporary IoT technologies and improve their readiness to deliver

industry-relevant courses aligned with Outcome Based Education (OBE) and NBA accreditation requirements.

2. OBJECTIVES OF THE PROGRAMME

The major objectives of the Faculty Readiness Programme were:

1. To provide faculty members with a comprehensive understanding of IoT architecture and applications.
 2. To enhance knowledge of sensor technologies and embedded systems used in IoT.
 3. To introduce smart agriculture solutions using IoT technologies.
 4. To familiarize participants with IoT-based weather monitoring systems.
 5. To explain the design and implementation of air quality monitoring systems.
 6. To provide practical insights into smart home automation technologies.
 7. To introduce Computer Vision concepts and applications.
 8. To demonstrate the integration of IoT and Computer Vision for intelligent systems.
 9. To improve faculty preparedness for teaching emerging technologies.
 10. To support NBA and OBE-based curriculum implementation.
-

3. NEED FOR THE PROGRAMME

IoT is one of the most significant technological advancements driving Industry 4.0 and smart systems. Modern engineering graduates are expected to possess knowledge of connected devices, sensor networks, cloud computing, data analytics, and intelligent automation systems.

Faculty members must therefore be equipped with updated technical knowledge and practical implementation skills to effectively teach these emerging technologies.

The programme was organized to:

- Bridge the gap between theoretical concepts and practical applications.
 - Enhance faculty competency in IoT technologies.
 - Promote interdisciplinary learning.
 - Improve student project mentoring capabilities.
 - Strengthen curriculum delivery in emerging technology domains.
 - Facilitate continuous professional development.
-

4. PROGRAMME DETAILS

Particulars	Details
Programme Title	Faculty Readiness Programme on IoT Applications
Duration	Two Days
Dates	05 June 2026 – 06 June 2026
Venue	ECE Seminar Hall
Organizing Departments	ECE & EEE
Resource Person	Dr. V. Purandhar Reddy
Participants	Faculty Members of ECE & EEE
Mode	Offline
Sessions	Four Technical Sessions

5. INAUGURAL SESSION

The programme commenced with an inaugural session attended by faculty members from ECE and EEE departments. The significance of IoT technologies in modern engineering applications was highlighted. Participants were informed about the growing demand for IoT professionals and the importance of integrating emerging technologies into engineering education.

The resource person outlined the programme objectives, expected outcomes, and session-wise learning goals.

6. SESSION-WISE REPORT

DAY – 1

05 June 2026

SESSION I

Smart Agriculture & IoT Weather Station

Forenoon Session (10:00 AM – 12:30 PM)

The first session focused on IoT applications in agriculture and environmental monitoring.

Topics Covered:

Smart Agriculture

- Introduction to Precision Agriculture
- Soil Moisture Monitoring
- Automated Irrigation Systems
- Crop Health Monitoring
- Smart Farming Techniques
- IoT Sensors for Agriculture

IoT Weather Station

- Temperature and Humidity Monitoring
- Rainfall Detection
- Atmospheric Pressure Monitoring
- Wireless Data Transmission
- Cloud-Based Data Storage
- Real-Time Monitoring Dashboards

The resource person demonstrated how IoT devices can help farmers optimize resource utilization, improve productivity, and reduce operational costs.

Participants discussed real-world applications of smart agriculture technologies and their relevance to sustainable development.

SESSION II

Air Quality Monitoring & Smart Home Hub

Afternoon Session (1:30 PM – 3:30 PM)

The second session focused on environmental monitoring and home automation.

Air Quality Monitoring System

Topics Covered:

- Air Quality Parameters
- Gas Sensors and Environmental Sensors
- PM2.5 and PM10 Monitoring
- Data Acquisition Techniques
- Real-Time Pollution Monitoring
- IoT-Based Alert Systems

Smart Home Hub

Topics Covered:

- Home Automation Concepts
- Smart Lighting Systems
- Smart Security Systems
- Energy Management Systems
- Wireless Communication Technologies
- Mobile Application Integration

Practical examples were presented to demonstrate how IoT technologies enhance convenience, security, and energy efficiency in modern homes.

The session concluded with discussions on implementation challenges and future trends in smart environments.

DAY - 2

06 June 2026

SESSION III

Computer Vision

Forenoon Session (10:00 AM – 12:30 PM)

The third session introduced participants to Computer Vision technologies and applications.

Topics Covered:

- Introduction to Computer Vision
- Digital Image Processing Fundamentals
- Image Acquisition Techniques
- Feature Extraction Methods
- Object Detection Techniques
- Face Recognition Systems
- Image Classification
- Artificial Intelligence in Computer Vision

The resource person explained how Computer Vision enables machines to interpret visual information and make intelligent decisions.

Several applications including surveillance systems, healthcare diagnostics, autonomous vehicles, and industrial inspection systems were discussed.

Participants gained exposure to current trends in AI-powered vision systems.

SESSION IV

IoT and Computer Vision

Afternoon Session (1:30 PM – 3:30 PM)

The final session focused on integrating IoT and Computer Vision technologies.

Topics Covered:

- Smart Surveillance Systems
- Intelligent Traffic Monitoring
- Smart Parking Systems
- Industrial Automation
- Smart City Applications
- Edge Computing for Vision Systems
- Cloud-Based Analytics
- AI-Enabled IoT Solutions

The session highlighted how IoT and Computer Vision work together to build intelligent systems capable of sensing, analyzing, and responding to real-world situations.

Case studies from smart cities, healthcare, agriculture, and industrial automation were presented to illustrate practical implementations.

An interactive discussion session was conducted to address participant queries and explore future research opportunities.

7. TEACHING METHODOLOGY ADOPTED

The programme employed a variety of instructional methods including:

- Expert Lectures
- Interactive Discussions
- Application-Based Learning
- Case Study Analysis
- Demonstrations
- Technology Showcases
- Problem-Solving Sessions
- Question and Answer Interactions

These methods facilitated active participation and improved learning outcomes.

8. LEARNING OUTCOMES

At the end of the programme, participants were able to:

1. Explain the architecture and working principles of IoT systems.
2. Design basic IoT solutions for real-world applications.
3. Understand sensor integration and data acquisition techniques.
4. Analyze smart agriculture and environmental monitoring systems.
5. Develop concepts for smart home automation applications.
6. Understand Computer Vision fundamentals and applications.
7. Integrate IoT and Computer Vision technologies for intelligent systems.
8. Guide students in IoT-based projects and research activities.
9. Improve classroom delivery of emerging technology subjects.
10. Align teaching practices with NBA and OBE requirements.

9. IMPACT OF THE PROGRAMME

The Faculty Readiness Programme significantly enhanced faculty understanding of emerging technologies and practical applications.

Major outcomes included:

- Improved knowledge of IoT technologies.
- Enhanced understanding of smart systems.
- Better preparedness for interdisciplinary teaching.
- Increased confidence in mentoring IoT-based projects.
- Improved curriculum delivery effectiveness.
- Enhanced awareness of Industry 4.0 technologies.

Faculty members appreciated the practical orientation of the programme and the relevance of the topics to current industry trends.

10. RELEVANCE TO Outcome Based Education

Faculty Information and Contributions

- Faculty knowledge enhancement.
- Professional competency development.

Facilities and Technical Support

- Effective utilization of IoT laboratories and project facilities.

Continuous Improvement

- Continuous faculty upskilling in emerging technologies.

Curriculum and Programme Outcomes

- Improved attainment of course outcomes and programme outcomes.

Student Support and Learning Resources

- Enhanced mentoring and project guidance capabilities.

11. FEEDBACK ANALYSIS SUMMARY

Feedback was collected from all participants.

Parameter	Average Rating (Out of 5)
Relevance of Programme	4.8
Technical Content	4.9
Resource Person Effectiveness	4.9
Interaction and Engagement	4.8
Practical Relevance	4.8
Organization of Programme	4.7
Overall Satisfaction	4.8

Overall Feedback Rating:

4.82 / 5.00 (Excellent)

12. OUTCOME ASSESSMENT SUMMARY

Programme Outcome	Attainment (%)
Understanding IoT Fundamentals	91%
Smart Agriculture Applications	89%
Weather Monitoring Systems	90%
Air Quality Monitoring Systems	88%
Smart Home Automation	92%
Computer Vision Concepts	89%
IoT and Computer Vision Integration	90%
Teaching Preparedness	93%

Overall Outcome Attainment:

90.25% (Excellent)

13. RECOMMENDATIONS

Based on participant feedback, the following recommendations were proposed:

1. Conduct hands-on workshops on Arduino, ESP32, and Raspberry Pi.
2. Organize advanced sessions on Edge AI and Machine Learning.
3. Include practical demonstrations using cloud IoT platforms.
4. Conduct FDPs on AI-enabled IoT systems.
5. Introduce project-based learning modules for faculty.

14. CONCLUSION

The Faculty Readiness Programme on “**IoT Applications**” successfully achieved its objectives by providing faculty members with a strong understanding of modern IoT technologies and intelligent systems. The sessions on Smart Agriculture, IoT Weather Stations, Air Quality Monitoring, Smart Home Automation, Computer Vision, and IoT-Vision integration enabled participants to gain both theoretical knowledge and practical insights.

The programme enhanced faculty readiness for delivering emerging technology courses, guiding student projects, and supporting innovation-driven learning environments. The positive feedback received from participants reflects the effectiveness of the programme and its contribution to continuous professional development, Outcome Based Education, and NBA accreditation objectives.



Coordinator

Faculty Readiness Programme
Department of ECE & EEE



Dr. V. Purandhar Reddy

Head, Department of ECE
NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS
Sy.No. 518, Maisammaguda (V), Dhulapally (P)
Medchal (M & Dist), Hyderabad-500100, T.A.



Principal

Narsimha Reddy Engineering College

Hyderabad
PRINCIPAL
NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS
Sy.No. 518, Maisammaguda (V), Dhulapally (P)
Medchal (M & Dist), Hyderabad-500100, T.A.

ANNEXURES

1. Programme Brochure
2. Circular
3. Session Schedule
4. Attendance Sheets
5. Participant Feedback Forms
6. Outcome Assessment Summary
7. Session Photographs
8. Resource Person Profile

DEPARTMENT OF ECE & EEE



TWO DAYS FACULTY READINESS PROGRAM

IOT APPLICATIONS USING ARDUINO UNO

UNLOCK NEW SKILLS
AND ACCELERATE YOUR
GROWTH!



DR. V. PURANDHAR REDDY
HOD ECE



5th & 6th
June 2026



From 10:00 AM
To 03:30 PM



DSP LAB 214
MT BLOCK



Location:
Maisammaguda (V), Kompally - 500100, Hyderabad.



Website
www.nrcmec.org/

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)

CIRCULAR

Ref. No.: NREC/ECE-EEE/FRP/2026/06

Date: 02-06-2026

Faculty Readiness Programme (FRP) on "IoT Applications"

All the faculty members of the Departments of Electronics and Communication Engineering (ECE) and Electrical and Electronics Engineering (EEE) are hereby informed that a **Faculty Readiness Programme (FRP)** on **"IoT Applications"** is being organized to enhance faculty knowledge and preparedness in emerging technologies related to the Internet of Things (IoT), Smart Systems, and Computer Vision.

The programme aims to provide insights into real-world IoT applications, sensor-based monitoring systems, smart home automation, and the integration of IoT with Computer Vision technologies. Faculty members are encouraged to actively participate and benefit from the technical sessions.

Programme Details

Particulars	Details
Programme Title	Faculty Readiness Programme on IoT Applications
Dates	05 June 2026 - 06 June 2026
Time	10:00 AM - 03:30 PM
Venue	ECE Seminar Hall
Resource Person	Dr. V. Purandhar Reddy
Designation	Head, Department of ECE
Participants	Faculty Members of ECE & EEE

Programme Schedule

Day - 1 : Friday, 05 June 2026

Session	Time	Topic
Forenoon Session	10:00 AM - 12:30 PM	Smart Agriculture & IoT Weather Station
Afternoon Session	01:30 PM - 03:30 PM	Air Quality Monitoring & Smart Home Hub

Day - 2 : Saturday, 06 June 2026

Session	Time	Topic
Forenoon Session	10:00 AM - 12:30 PM	Computer Vision
Afternoon Session	01:30 PM - 03:30 PM	IoT and Computer Vision

Expected Learning Outcomes

After completion of the programme, participants will be able to:


- Understand IoT architecture and applications.
- Explore smart agriculture and environmental monitoring systems.
- Design concepts for smart home automation.
- Understand Computer Vision fundamentals and applications.
- Integrate IoT and Computer Vision technologies for intelligent systems.
- Enhance teaching effectiveness in emerging technology courses.
- Support Outcome Based Education (OBE) and NBA accreditation initiatives.


Instructions

1. All faculty members of ECE and EEE Departments are requested to attend the programme without fail.
2. Participants are requested to report to the venue at least 15 minutes before the commencement of each session.
3. Attendance will be recorded for all sessions.
4. Active participation in discussions and technical interactions is encouraged.
5. Certificates of Participation will be issued to all participants.

The programme is organized as part of the institution's continuous faculty development initiatives to promote excellence in teaching, learning, innovation, and professional competency.


Coordinator
Faculty Readiness Programme
Department of ECE & EEE


Dr. V. Purandhar Reddy
Head, Department of ECE
NARSIMHA REDDY ENGINEERING COLLEGE
UGC Autonomous
Plot No. 518, Maisammaguda (V), Dhulapally (P)
Medchal (M & Dist.), Hyderabad-500100-TG.


Principal
Narsimha Reddy Engineering College
Hyderabad
PRINCIPAL
NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS
Sy.No. 518, Maisammaguda (V), Dhulapally (P)
Medchal (M & Dist.), Hyderabad-500100, T.G.

Session-wise Photographs

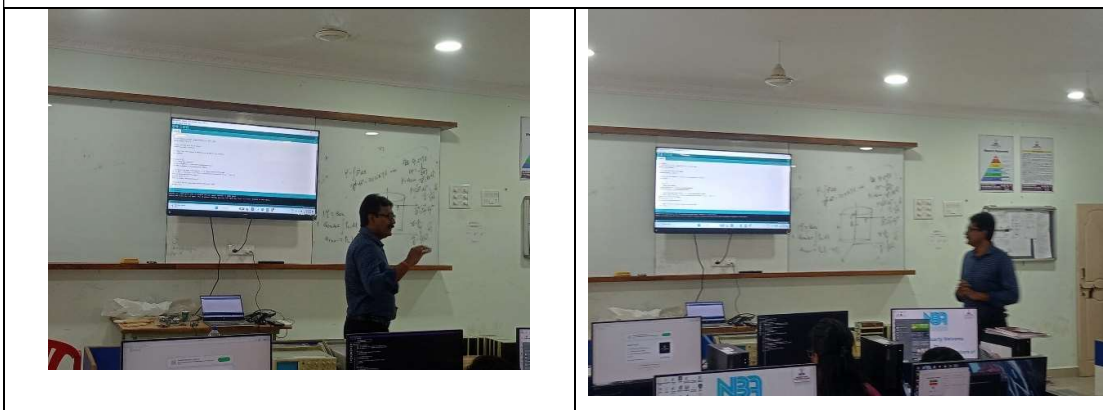
SESSION-1



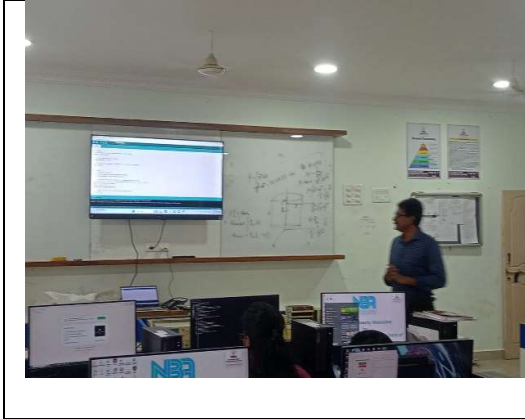
SESSION-2



SESSION-3



SESSION-4



Head of the Department

Faculty Readiness Programme (FRP) – Resource Person Profile



Dr. V. Purandhar Reddy

Professor & Head, Department of Electronics and Communication Engineering (ECE)

Narsimha Reddy Engineering College, Hyderabad

Dr. V. Purandhar Reddy is a distinguished academician, researcher, and administrator with more than **20 years of teaching, research, and academic leadership experience** in the field of Electronics and Communication Engineering. He currently serves as the **Head of the Department, ECE**, at Narsimha Reddy Engineering College, where he actively contributes to academic excellence, outcome-based education, research promotion, and institutional development.

He obtained his **Doctor of Philosophy (Ph.D.) from Vellore Institute of Technology (VIT), Vellore**, specializing in **Visual Object Tracking, Computer Vision, and Artificial Intelligence**. His doctoral research focused on developing advanced image processing and deep learning techniques for robust object tracking applications.

Throughout his academic career, Dr. Purandhar Reddy has successfully held several leadership positions, including **Head of the Department** and **Controller of Examinations**, demonstrating exceptional capabilities in academic administration, curriculum planning, accreditation activities, and quality assurance processes. His commitment to academic excellence was recognized with the **University Topper Award from Anna University**, and he was later honored with the **Innovative Researcher Award by the Computer Society of India (CSI)** for his outstanding research contributions.

As an active researcher, Dr. Purandhar Reddy has published numerous research papers in **SCI, Scopus-indexed, and peer-reviewed international journals**. His research interests include:

- Artificial Intelligence and Machine Learning
- Deep Learning
- Computer Vision
- Image Processing
- Visual Object Tracking
- Pattern Recognition
- Intelligent Signal Processing
- Agricultural AI Applications

He has also made significant contributions to innovation and intellectual property development through several **published patents** focusing on practical AI-driven solutions such as:

- Agricultural Anomaly Detection Systems
- Intelligent Crop Monitoring
- Night-Vision Driver Assistance Systems
- Smart Vision-Based Monitoring Applications
- Deep Learning-Based Automation Systems

To strengthen his expertise in emerging technologies, Dr. Purandhar Reddy has completed multiple professional certifications in advanced machine learning and artificial intelligence domains, including:

- Support Vector Machines (SVM)
- Artificial Neural Networks
- Deep Learning Frameworks
- Keras-Based Image Recognition Systems
- Computer Vision Applications
- Data Analytics and Predictive Modeling

As an educator, he has successfully taught a wide range of undergraduate and postgraduate courses, including:

- Probability Theory and Random Processes
- Digital Signal Processing
- Signals and Systems
- Digital Image Processing
- Machine Learning
- Artificial Intelligence

- Data Communications and Networking
- Electronic Circuits and Systems

Dr. Purandhar Reddy is widely recognized for his student-centric teaching methodology, innovative pedagogical practices, and commitment to research-driven education. He actively mentors faculty members, research scholars, and students in projects, publications, patent development, and industry-oriented research initiatives.

Role in Faculty Readiness Programme (FRP)

As a Resource Person for the Faculty Readiness Programme, Dr. V. Purandhar Reddy brings extensive expertise in **Outcome-Based Education (OBE), NBA Accreditation, AI-driven teaching methodologies, research enhancement, curriculum design, and academic quality improvement**. His sessions focus on empowering faculty members with modern pedagogical approaches, research strategies, digital learning tools, and best practices for effective teaching-learning processes in higher education.

His rich blend of academic leadership, research excellence, innovation, and teaching expertise makes him an ideal mentor and resource person for faculty development initiatives aimed at enhancing educational quality and professional competence.

Resource Person: Dr. V. Purandhar Reddy

Designation: Professor & Head, Department of ECE

Institution: Narsimha Reddy Engineering College, Hyderabad

Experience: 20+ Years

Areas of Expertise: Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Image Processing, Digital Signal Processing, Outcome-Based Education, NBA Accreditation, and Research

OUTCOME ASSESSMENT SUMMARY
Faculty Readiness Programme (FRP)
IoT Applications

Conducted on 05-06 June 2026

1. Programme Outcomes (POs) Assessed

The Faculty Readiness Programme was designed to achieve the following outcomes:

PO

Programme Outcome

No.

- PO1 Understand the fundamentals of Internet of Things (IoT) architecture and components.
- PO2 Apply IoT technologies for Smart Agriculture and Weather Monitoring applications.
- PO3 Analyze Air Quality Monitoring Systems and Smart Home Automation solutions.
- PO4 Understand Computer Vision concepts and intelligent image processing applications.
- PO5 Integrate IoT and Computer Vision technologies for smart systems.
- PO6 Enhance teaching effectiveness and project mentoring capabilities in emerging technologies.
- PO7 Support Outcome Based Education (OBE) and NBA-driven curriculum implementation.

2. Assessment Methodology

The effectiveness of the programme was assessed through:

Direct Assessment Tools

- Interactive technical discussions
- Application-based problem solving
- Session-wise technical interactions
- Concept clarification activities

Indirect Assessment Tools

- Participant feedback forms
- Faculty self-assessment survey
- Programme evaluation questionnaire
- Participant reflections and suggestions

3. Participation Summary

Particular	Count
Faculty Invited	30
Faculty Attended	28
Attendance Percentage	93.33%

Departments Covered ECE & EEE

Programme Duration 2 Days

4. Outcome Attainment Analysis

PO1: Understanding IoT Fundamentals

Assessment Parameter	Attainment
IoT Architecture Understanding	92%
Sensor and Communication Technologies	90%
Overall Attainment	91%

Observation: Participants demonstrated strong understanding of IoT architecture, sensors, communication protocols, and cloud connectivity.

PO2: Smart Agriculture & IoT Weather Station Applications

Assessment Parameter	Attainment
Smart Agriculture Concepts	89%
IoT Weather Station Applications	91%
Overall Attainment	90%

Observation: Faculty members gained practical insights into agricultural monitoring and weather data acquisition systems.

PO3: Air Quality Monitoring & Smart Home Automation

Assessment Parameter	Attainment
Environmental Monitoring Systems	88%
Smart Home Technologies	92%
Overall Attainment	90%

Observation: Participants developed a good understanding of IoT-enabled environmental and home automation solutions.

PO4: Computer Vision Concepts

Assessment Parameter	Attainment
Image Processing Fundamentals	89%
Computer Vision Applications	90%

Overall Attainment 89.5%

Observation: Faculty members demonstrated improved understanding of object detection, image analysis, and AI-assisted vision systems.

P05: IoT and Computer Vision Integration

Assessment Parameter Attainment

Smart Surveillance Systems 91%

Intelligent IoT Applications 89%

Overall Attainment 90%

Observation: Participants understood the role of integrated IoT and Computer Vision technologies in smart city and industrial applications.

P06: Teaching and Project Mentoring Preparedness

Assessment Parameter Attainment

Teaching Readiness 94%

Student Project Guidance 92%

Overall Attainment 93%

Observation: Faculty members expressed increased confidence in teaching IoT-related courses and guiding student projects.

P07: OBE and NBA Alignment

Assessment Parameter Attainment

OBE Understanding 92%

Curriculum Implementation 93%

Overall Attainment 92.5%

Observation: Participants recognized the importance of integrating emerging technologies into outcome-based curriculum delivery.

5. Overall Programme Outcome Attainment

Programme Outcome Attainment (%)

P01 91.0

P02 90.0

P03 90.0

P04	89.5
P05	90.0
P06	93.0
P07	92.5

Overall Average Attainment

Overall Outcome Attainment = 90.86%

6. Attainment Level

Attainment Percentage Level

Above 85%	Excellent
75% – 85%	Very Good
60% – 74%	Good
Below 60%	Needs Improvement

Result

The Faculty Readiness Programme achieved an overall attainment of 90.86%, indicating an EXCELLENT level of achievement.

7. Feedback Analysis Summary

Parameter	Rating (Out of 5)
Relevance of Content	4.8
Resource Person Effectiveness	4.9
Technical Depth	4.8
Interaction and Engagement	4.7
Practical Applicability	4.8
Overall Satisfaction	4.8

Overall Feedback Rating

4.80 / 5.00 (Excellent)

8. Key Strengths Identified

- Industry-relevant IoT application coverage.
- Effective explanation of Smart Agriculture and Smart Home technologies.
- Strong linkage between IoT and Computer Vision applications.
- Interactive and application-oriented sessions.


- Enhanced faculty readiness for teaching emerging technology courses.


9. Areas for Improvement


- Inclusion of hands-on Arduino/ESP32 demonstrations.
- Practical sessions using Raspberry Pi platforms.
- Introduction to Cloud IoT platforms such as AWS IoT and ThingSpeak.
- Advanced workshops on AI-enabled IoT applications.

10. Conclusion

The Outcome Assessment indicates that the Faculty Readiness Programme on “**IoT Applications**” successfully achieved its intended objectives. Faculty members significantly enhanced their knowledge of IoT systems, Smart Agriculture, Environmental Monitoring, Smart Home Automation, Computer Vision, and intelligent IoT applications. The programme effectively contributed to faculty development, curriculum enrichment, Outcome Based Education (OBE), and NBA accreditation initiatives.


Coordinator
Faculty Readiness Programme
Department of ECE & EEE


Dr. V. Purandhar Reddy
Head, Department of ECE
NARSIMHA REDDY ENGINEERING COLLEGE
UGC Autonomous
Sy.No. 518, Maisammaguda (V), Dhulapally (P)
Medchal (M & Dist.), Hyderabad-500100, T.S.


Principal
Narsimha Reddy Engineering College
Hyderabad
PRINCIPAL
NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS
Sy.No. 518, Maisammaguda (V), Dhulapally (P)
Medchal (M & Dist.), Hyderabad-500100, T.S.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
PROGRAMME ON IoT AND APPLICATIONS
ATTENDANCE SHEET

S.NO	Name of the Faculty	5/6/2026		6/6/2026	
		FN	AN	FN	AN
1	Dr. C.Sasikala	CSK	CSK	CSK	CSK
2	A.LakshmiDevi	ALD	ALD	ALD	ALD
3	CH.Prasanna	CHP	CHP	CHP	CHP
4	M.Mounika	MM	MM	MM	MM
5	M.Nataraj	MN	MN	MN	MN
6	V.Pradeep Kumar	VPK	VPK	VPK	VPK
7	P.Lalitha Madhuri	PLM	PLM	PLM	PLM
8	Dr N Adithya Valli	NADV	NADV	NADV	NADV
9	Dr G Naga Jyothi Sree	GNJS	GNJS	GNJS	GNJS
10	Dileep Alluri	DA	DA	DA	DA
11	G Joy Sangeet Raj	GJSR	GJSR	GJSR	GJSR
12	N Pavithra	NP	NP	NP	NP
13	B. Raju	BR	BR	BR	BR
14	B. Sunny Manohar	BSM	BSM	BSM	BSM
15	M. Sudhakar	MS	MS	MS	MS
16	K. Anuradha	KA	KA	KA	KA
17	M. Sreedhar Reddy	MSR	MSR	MSR	MSR
18	G Sujana	GS	GS	GS	GS
19	K V Siva Nagalakshmi	KVSN	KVSN	KVSN	KVSN
20	P. Bhagyalakshmi	PBL	PBL	PBL	PBL

21	M. Saisree	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
22	P Roja	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23	Y. Mary Manikya Veena	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24	K.Karthik	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25	P. Siva Kalyani	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26	Dr. M Shoban	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27	V. Naga Lakshmi	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
Head of the Department
ECE

NARSIMHA REDDY ENGINEERING COLLEGE

Department of ECE & EEE

FACULTY READINESS PROGRAMME (FRP)

Feedback & Outcome Assessment Form

Programme Title: IoT Applications

Name of Participant: Dr. G. Naga Jyothi Sui

Department: ECE

Designation: Associate professor

Date: 5/6/2020

Part A: Participant Feedback

Rating Scale: 5-Excellent 4-Very Good 3-Good 2-Fair 1-Poor

Parameter	Rating
Relevance of the Programme	5
Quality of Technical Content	5
Effectiveness of Resource Person	5
Clarity of Presentation	5
Interaction and Discussions	5
Usefulness for Teaching	5
Programme Organization	5
Overall Satisfaction	5

Part B: Faculty Self-Assessment

Confidence Level After Attending the Programme

Learning Outcome	High	Moderate	Low
Understanding of Core Concepts	✓		
Application of Concepts		✓	
Problem Solving Ability	✓		
Course Delivery Preparedness	✓		
Student Project Guidance	✓		
OBE/NBA Alignment Understanding	✓		

Overall Preparedness:

Highly Prepared ✓

Moderately Prepared

Need Additional Training

Part C: Programme Evaluation

1. Did the programme meet its objectives?
 Fully Achieved Partially Achieved Not Achieved
2. Was the programme useful for improving teaching effectiveness?
 Strongly Agree Agree Neutral Disagree
3. Was the programme relevant to the curriculum requirements?
 Strongly Agree Agree Neutral Disagree
4. Would you recommend similar programmes in future?
 Yes No
5. Overall Evaluation
 Excellent Very Good Good Fair

Part D: Reflections and Suggestions

Key Learnings from the Programme:

IoT concepts & Application layer user interface blink app, GUI

Suggestions for Improvement / Future Programmes:

good

Topics Suggested for Future FRPs/FDPs:

RF & Microwave

Participant Signature: 

Date: 6/6/26

Thank You for Your Valuable Feedback

NARSIMHA REDDY ENGINEERING COLLEGE
Department of ECE & EEE
FACULTY READINESS PROGRAMME (FRP)
Feedback & Outcome Assessment Form

Programme Title: IOT & Applications

Name of Participant: M. Sreedhar Reddy

Department: ECE Designation: Asst. Professor

Date: 5/6/26 & 6/6/26

Part A: Participant Feedback

Rating Scale: 5-Excellent 4-Very Good 3-Good 2-Fair 1-Poor

Parameter	Rating
Relevance of the Programme	5
Quality of Technical Content	5
Effectiveness of Resource Person	5
Clarity of Presentation	5
Interaction and Discussions	5
Usefulness for Teaching	5
Programme Organization	5
Overall Satisfaction	5

Part B: Faculty Self-Assessment

Confidence Level After Attending the Programme

Learning Outcome	High	Moderate	Low
Understanding of Core Concepts	✓		
Application of Concepts	✓		
Problem Solving Ability	✓		
Course Delivery Preparedness	✓		
Student Project Guidance	✓		
OBE/NBA Alignment Understanding	✓		

Overall Preparedness:

Highly Prepared ✓

Moderately Prepared

Need Additional Training

Part C: Programme Evaluation

1. Did the programme meet its objectives?
Fully Achieved Partially Achieved Not Achieved
Fully Achieved
2. Was the programme useful for improving teaching effectiveness?
Strongly Agree Agree Neutral Disagree
Strongly Agree
3. Was the programme relevant to the curriculum requirements?
Strongly Agree Agree Neutral Disagree
Strongly Agree
4. Would you recommend similar programmes in future?
Yes No
Yes
5. Overall Evaluation
Excellent Very Good Good Fair
Excellent

Part D: Reflections and Suggestions

Key Learnings from the Programme:

Gain good knowledge

Suggestions for Improvement / Future Programmes:

continue same in future

Topics Suggested for Future FRPs/FDPs:

VLSI

Participant Signature: M. Sreedhar

Date: 6/6/26

Thank You for Your Valuable Feedback