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(Established under Section 3 of UGC Act 1956)

Nitte – 574 110, Karnataka, India

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Volume 05 Issue 12 July 2026 EEE Newsletter

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A Session on Creativity, Innovation and Entrepreneurship: Turning Ideas into Impact

17 July 2026

Department of Electrical and Electronics Engineering (EEE) NMAM Institute of Technology, Nitte in association with the Industry Innovation Council (IIC), Nitte conducted a session on "Creativity, Innovation and Entrepreneurship: Turning Ideas into Impact" on 15 July 2026 for the first year students as a part of their induction programme. The session commenced with a warm welcome by Dr. NSS Ramakrishna, Associate Professor, Dept of EEE, NMAMIT, Nitte and the faculty coordinator, followed by an introduction of the distinguished resource person, Mr. Naveen Nayak I, Founder and Managing Director, Abhiman Technologies Private Limited, Mangalore. The speaker emphasised the importance of creativity, innovation, and entrepreneurship in today's rapidly evolving technological landscape and encouraged the students to develop an entrepreneurial mindset from the beginning of their engineering education. The session covered key topics such as idea generation, design thinking, problem identification, start-up development, business model creation, and the step-by-step process of transforming innovative ideas into successful entrepreneurial ventures. The speaker also highlighted various Government of India initiatives, including Startup India, incubation centres, funding opportunities, mentorship programmes, intellectual property protection, and technology commercialisation support available to the aspiring entrepreneurs. Through practical examples and his own entrepreneurial journey, he demonstrated how innovative ideas can be converted into commercially successful products by identifying real-world problems and developing sustainable solutions. During the interactive session, students actively participated by asking questions related to start-up registration, funding, patents, incubation support, career opportunities, and challenges faced by the entrepreneurs. The resource person addressed each query with practical insights and motivating examples. The session concluded with a brainstorming activity that encouraged students to observe societal challenges, think creatively, and generate innovative ideas capable of creating meaningful social and economic impact, leaving the participants inspired to pursue innovation and entrepreneurship. 130 first year students and a few faculty members attended the session enthusiastically.

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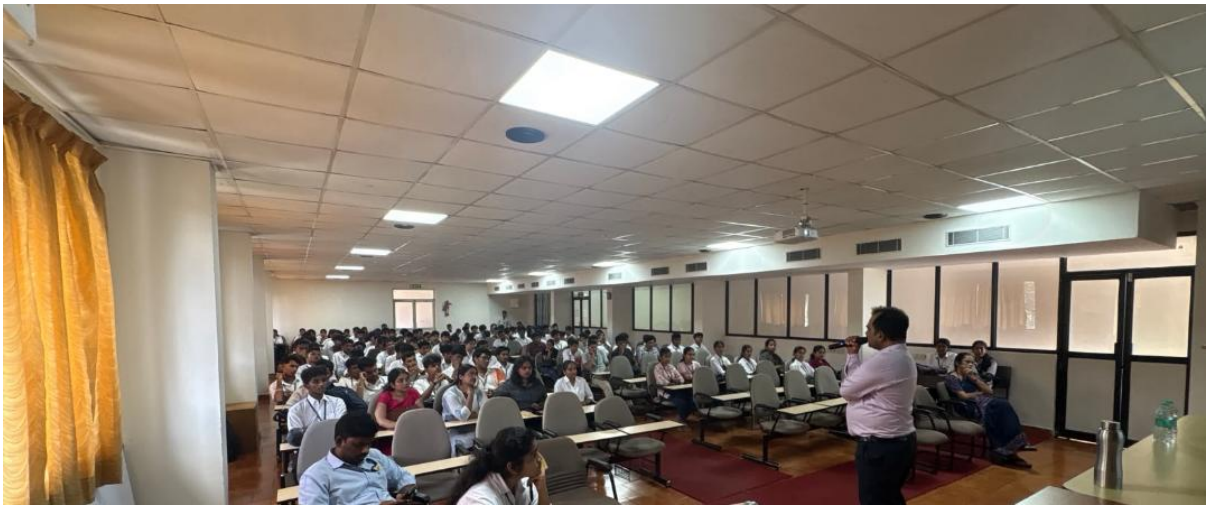

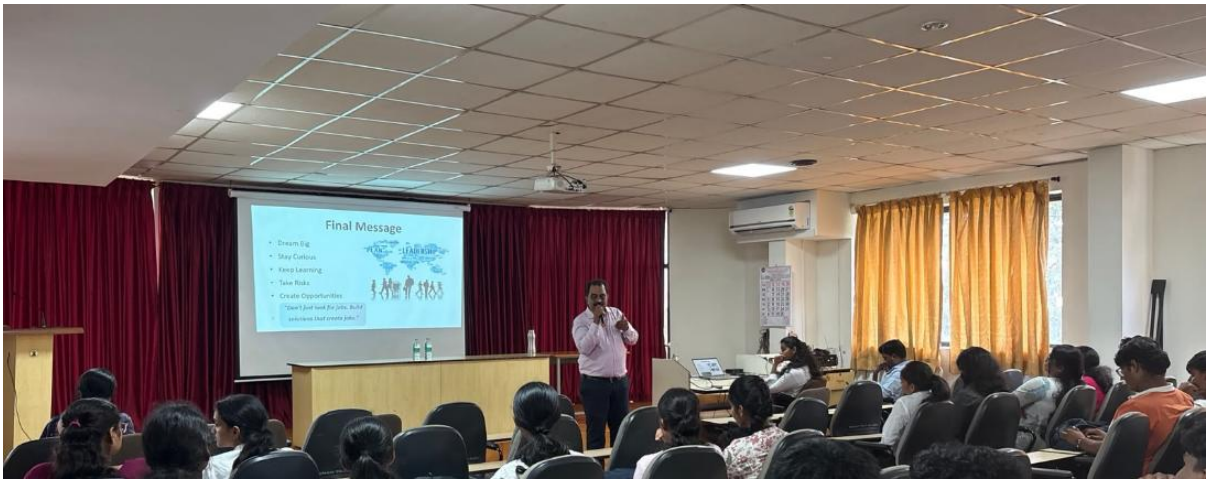

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Induction Programme of the First Year EEE Students to the Department

17 July 2026

The Department of Electrical and Electronics Engineering (EEE), NMAM Institute of Technology, Nitte conducted a two day Induction Programme for the students of the first year on July 15-16, 2026.

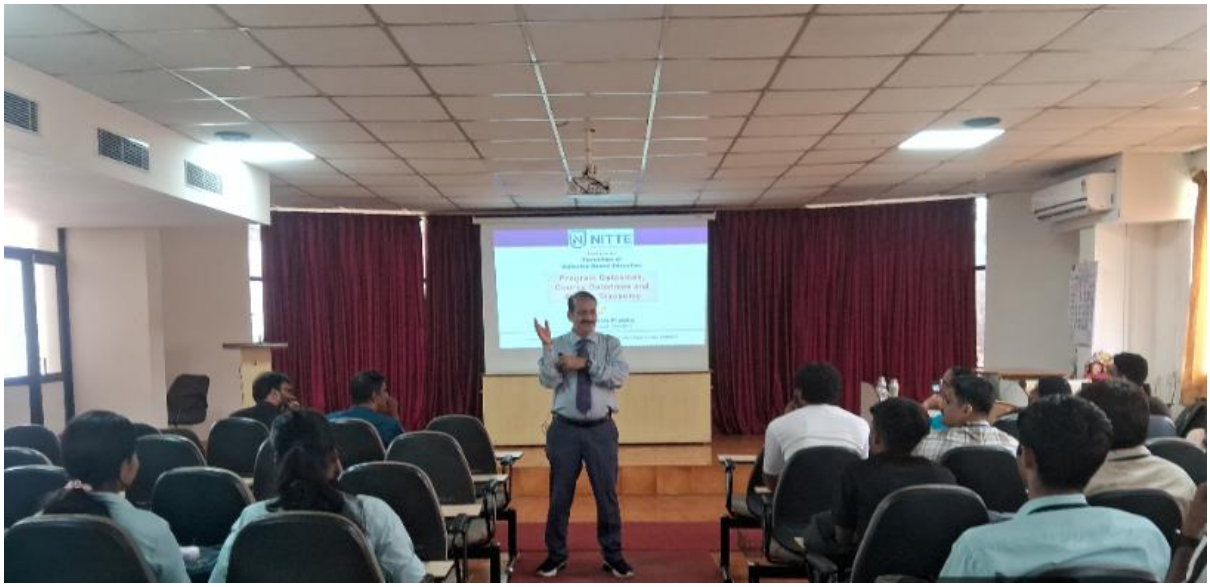
The inaugural session was presided over by Dr. Rajalakshmi Samaga B.L., Professor and Head of the Department of Electrical and Electronics Engineering (EEE). She warmly welcomed the students, introduced the faculty members and supporting staff, and provided an overview of the department's academic framework, facilities, and various curricular and co-curricular activities.This session was followed by an informative session by Dr. Suryanarayana K., Professor, Department of EEE, who provided an in-depth overview of the department, its academic framework, and the technical opportunities available to students.

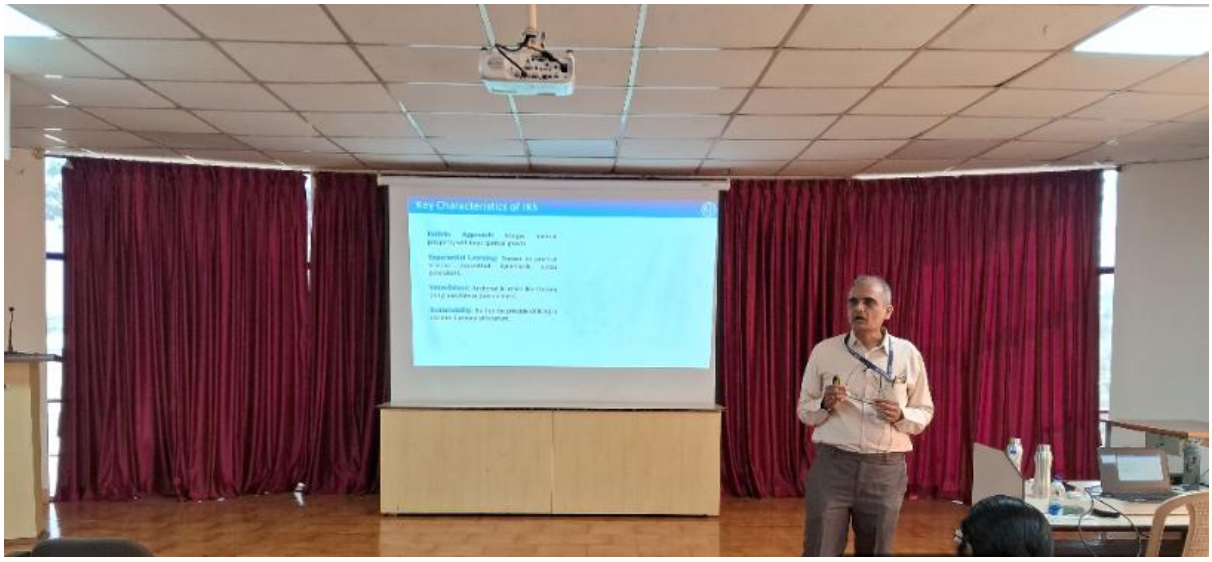
The post-lunch session on the first day was delivered by Mr. Navin Vinod, Founder and Managing Director, Abhiman Technologies Pvt. Ltd., Mangaluru, who highlighted the current industry scenario and emerging career opportunities for Electrical and Electronics Engineers.

The second day commenced with an engaging session on the significance of Indian Knowledge Systems (IKS) and its relevance in engineering by Dr. Gururaj S. Punekar, Professor, NITK Surathkal. This session was followed by the sessions from Dr. Girisha Joshi on "NBA accreditation and its importance" and Dr. Nagesh Prabhu, Vice Principal, NMAMIT, on "Outcome Based Education". Mr. Mohd. Shayan, an alumnus of department of EEE (2022-2026) and Analog Layout Engineer, Texas Instruments, Bengaluru, delivered an insightful talk on the roadmap to placements and career opportunities in the semiconductor industry.

The post-lunch session featured a talk by Dr. Dinesh Shetty on placement opportunities and the skills required to excel in recruitment processes. This was followed by an interactive session with senior students, providing the newcomers an opportunity to break the ice, engage with their peers, and gain valuable insights into campus life and academics.

The two-day induction programme successfully combined knowledge sharing, career guidance, and interactive activities, offering the first-year students a comprehensive introduction to the Department of Electrical and Electronics Engineering and the opportunities that lie ahead.





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Faculty Development Programme on eContent Delivery System

30 July 2026

Department of Electrical and Electronics Engineering (EEE) NMAM Institute of Technology, Nitte in association with the Staff Development Centre, Nitte (DU) conducted a Three Day Faculty Development Programme on eContent Delivery System between July 20-22, 2026 (Phase-1) and July 27-28, 2026 (Phase-2).

The FDP was aimed at enhancing the digital content development skills of the faculty members and enable them to design engaging, outcome-based online learning resources using modern educational technologies. A total of 30 faculty members from various departments participated in the programme.

Day 1: 20 July 2026

Phase I of the five-day Faculty Development Programme (FDP) commenced on 20 July 2026 with an inaugural session. The programme was formally inaugurated by Dr. Rajalakshmi Samaga B.L., Professor and Head, Department of Electrical and Electronics Engineering (EEE), with her opening remarks. She welcomed the participants, emphasised the importance of technology-enabled teaching and the development of high-quality digital learning resources, highlighted the growing significance of e-learning platforms in enriching the teaching–learning process, and encouraged faculty members to actively engage throughout the programme.

The technical session on Day 1 was delivered by Mr. Suhail A N Shaha, who provided a comprehensive introduction to the NU e-Learn platform and its various features. He explained the objectives of the platform, its role in supporting blended and online learning, and demonstrated its user interface and functionalities. The resource person elaborated on the requirements and institutional guidelines for developing e-learning modules, including best practices for content organisation, instructional design, and quality standards.

Day 2: July 21, 2026

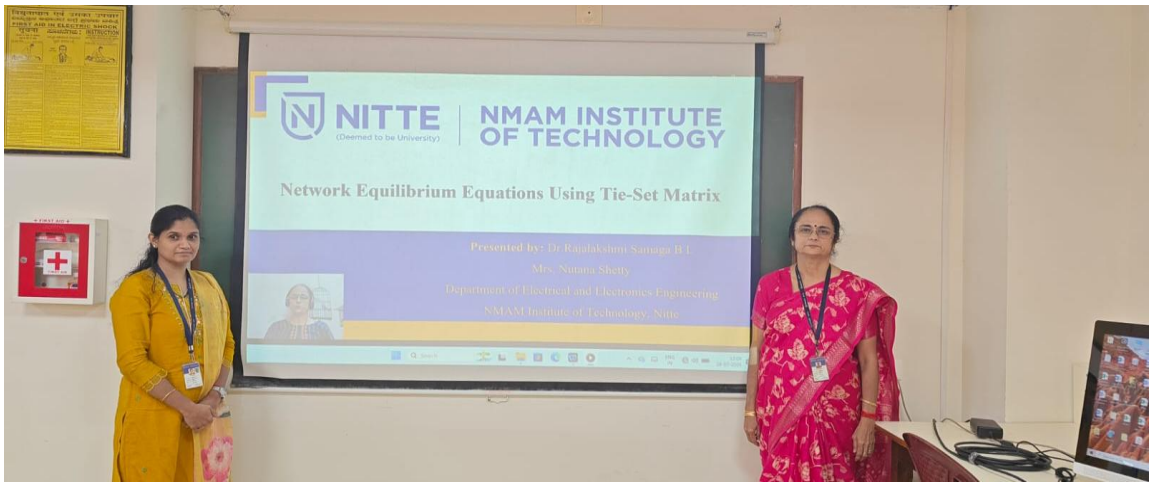
The second day of the FDP featured technical session by Mr. Satish Nayak. He introduced participants to Canva software, a versatile platform for creating engaging educational content. The session focused on leveraging Canva's features to enhance digital teaching resources and improve the student engagement. The programme began with an overview of Canva Basics, where the resource person demonstrated the user interface, design principles, templates, and essential tools for creating professional-quality educational materials. The participants gained the hands-on experience in designing visually appealing presentations, posters, and instructional graphics.

Day 3: July 22, 2026

The technical session on 3D Animation for Educational Content Development was conducted by Mr. Noufal, a resource person from Frameboxx 3D Animation & VFX, Mangalore. The session introduced participants to the fundamentals of 3D animation and its significance in creating engaging and interactive educational content. Mr. Noufal provided an overview of the 3D animation workflow, covering concept development, storyboarding, 3D modeling, texturing, lighting, animation, rendering, and post-production. Through a live demonstration, the participants learned the process of creating and animating 3D models, applying textures and materials, setting up lighting and camera movements, and rendering animations. It also covered essential animation concepts such as keyframes, timelines, frame rates, object transformations, and motion principles, enabling participants to understand the fundamentals of animation.

The first phase of the FDP concluded with a valedictory session, during which Dr. Latha Shenoy, FDP Coordinator, presented the overall report of the three-day programme. The report covered the key topics addressed by the resource persons, including the development of e-learning modules using the NU e-Learn platform, the use of Canva and AI tools for creating engaging educational content, and the application of 3D animation in digital teaching and learning. She expressed her gratitude to all the resource persons for sharing their expertise and practical insights. She also appreciated the enthusiastic participation of the faculty members, whose active involvement, discussions, and hands-on practice contributed.

During the second phase of FDP, fifteen faculty members presented the econtent they developed to practice the knowledge they gained during the first phase of the FDP. Overall, the session provided the participants with practical insights into the creation and educational application of 3D animations, equipping them with knowledge to develop engaging digital learning materials for modern teaching environment.



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Visit to Indian Strategic Petroleum Reserves Ltd, Padur

31 July 2026

Dr. Suryanarayana K, Professor, Department of Electrical and Electronics Engineering (EEE), NMAM Institute of Technology, Nitte and Mr. Vinay Mestha, a M. Tech student visited the Indian Strategic Petroleum Reserves Ltd (ISPRL), Padur underground rock cavern storage, a special purpose vehicle under the Ministry of Petroleum and Natural Gas, Government of India on July 30, 2026 to deliver a technical seminar on "Development in Electrical Engineering and AI" to ISPRL Engineers and undertake a guided tour of the strategic facility on the invitation of Mr. Yuvaraj, ISPRL Unit Head, Padur.

ISPRL is mandated to hold India's strategic crude oil reserves as a hedge against short-term supply disruption. The Padur site is one of the country's underground unlined rock-cavern storages, with a nominal capacity of about 2.5 million metric tons. The crude is received through a Single Point Mooring (SPM) system off the Karnataka coast, transferred through cross-country pipelines, and held under water-displacement conditions inside the caverns. Reliable electrical supply, well-instrumented pump systems, robust fire and gas detection, and continuous condition monitoring are central to its safe operation.

The seminar, titled "Development in Electrical Systems and AI," traced the journey of electrical engineering from its founding experiments to its present-day, AI-related aspects. The session opened with a short timeline of the discoveries that shaped modern electrical engineering from Volta's pile and Ohm's formulation, to Faraday's law of electromagnetic induction, Edison's DC distribution, Tesla's alternating-current system, and the arrival of the silicon era. The purpose was to remind the audience that today's complex power and control systems still rest on a number of first-principles.

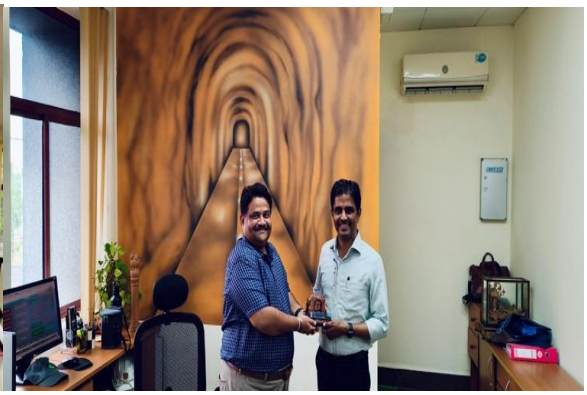
This was followed by a discussion on Passive Components in Everyday Practice, highlighting how R, L and C elements behave in real installations. The talk then moved from components to systems: the traditional generation–transmission–distribution flow was compared with today's bi-directional grid, in which rooftop solar, battery storage, and electric vehicles both inject and draw

power. The concluding section, Artificial Intelligence in Electrical Engineering, presented a four-quadrant view of where AI is entering the field:

- Condition monitoring
- Load and generation forecasting
- Protection and control
- Design automation

Following the technical session, Mr. Kiran of ISPRL Padur kindly took the team on a guided plant visit. He walked the group through the surface facilities and explained the layout of the underground rock-cavern storage, the crude receipt and pump-out philosophy, the fire and gas safety systems, and the electrical and instrumentation infrastructure that supports round-the-clock operation. The visit gave the team an overall picture of the crude oil storage facility.

The visit to ISPRL Padur proved to be both technically insightful and exceptionally well-organised. The department extends its sincere gratitude to Mr. Yuvaraj for the invitation and warm hospitality, and to Mr. Kiran for conducting the informative guided tour of the facility. The department looks forward to strengthening this association through future seminars, collaborative initiatives, and educational visits for students.



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Details of the Workshop / STTP/ Faculty Development Program attended by the faculty members of E&E Engg in the month of July 2026

Sl. No.	Name	Dept	Title of the Programme	Place	Date
1.	Dr. Dhananjaya, B	E&E Engg	Digital Branding for Academics: LinkedIn Strategies for Faculty & Institutional Advancement	Staff Development Centre, Nitte (DU)	June 25, 2026
2.	Dr. Dhananjaya, B	E&E Engg	Computer Vision and Deep Learning for Robotics Applications	Department of Robotics and Artificial Intelligence	July 06-08, 2026
3.	Mr. Mahabaleshwara Sharma K	E&E Engg	Intelligent Application Development: MERN Stack, Agentic AI and Explainable AI	Department of Artificial Intelligence and Data Science, NMAMIT, Nitte in association with Wipfli India LLP	July 06-10, 2026
4.	Mr. Naveen J	E&E Engg	Intelligent Application Development: MERN Stack, Agentic AI and Explainable AI	Department of Artificial Intelligence and Data Science, NMAMIT, Nitte in association with Wipfli India LLP	July 06-10, 2026

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Sl. No.	Name	Dept	Title of the Programme	Place	Date
5.	Dr. Nandini KK	E&E Engg	Intelligent Application Development: MERN Stack, Agentic AI and Explainable AI	Department of Artificial Intelligence and Data Science, NMAMIT, Nitte in association with Wipfli India LLP	July 06-08, 2026
6.	Mrs. Akshatha NM	E&E Engg	Intelligent Application Development: MERN Stack, Agentic AI and Explainable AI	Department of Artificial Intelligence and Data Science, NMAMIT, Nitte in association with Wipfli India LLP	July 06-08, 2026
7.	Mrs. Swathi K	E&E Engg	Intelligent Application Development: MERN Stack, Agentic AI and Explainable AI	Department of Artificial Intelligence and Data Science, NMAMIT, Nitte in association with Wipfli India LLP	July 06-08, 2026
8.	Mrs. Swathi K	E&E Engg	Writing Systematic Reviews: A Practical Guide for Scientific Researchers	Staff Development Centre, Nitte (DU)	July 17, 2026
9.	Mr. Mahabaleshwara Sharma K	E&E Engg	Writing Systematic Reviews: A Practical Guide	Staff Development	July 17, 2026

Sl. No.	Name	Dept	Title of the Programme	Place	Date
			for Scientific Researchers	Centre, Nitte (DU)	
10.	Mr. Anand Bhat B	E&E Engg	Writing Systematic Reviews: A Practical Guide for Scientific Researchers	Staff Development Centre, Nitte (DU)	July 17, 2026
11.	Mrs. Akshatha NM	E&E Engg	Writing Systematic Reviews: A Practical Guide for Scientific Researchers	Staff Development Centre, Nitte (DU)	July 17, 2026
12.	Mr. Anand Bhat B (Facilitator)	E&E Engg	Refresher Course on Creating Effective Blended Learning Resources	Staff Development Centre, Nitte (DU)	July 18, 2026