

**Swami Keshvanand Institute of Technology,  
Management & Gramothan, Jaipur**



**A  
Report  
of  
6<sup>th</sup> International Conference  
on  
“Advancements in Nano-electronics &  
Communication Technologies”**



**(ICANCT-2026)**

**Dates: March 18-19, 2026**

**Organized by  
Department of Electronics and Communication Engineering**

## Table of Contents

Topic	Page No.
Budget Approval	3-3
Organizing Committee	4-8
About Conference	9-9
Program Brochure	10-11
Program Poster	12-12
Program Schedule	13-15
Technical Report	16-18
Session-wise details	19-20
Certificates	21-23
Event Photo	24-26
Media Coverage	27-28

## Budget Approval

S.No	Types of Event*	Title of Event	Mode of Conduction	Proposed Date	Name of Coordinator	Any Collaboration	Estimated Budget
1	Lecture Series	Recent Trends in Electronics & Communication Engineering (RTECE)	Offline	8-12 Sept, 2025	Dr. Vikas Pathak Dr. Kiran Rathi Dr. Suman Sharma	CoE- Antenna, Microwave and RF Engineering	30,000/-
2	Workshop	Workshop on Outcome based Education	Offline	15-19 Sept 2025	Prof Praveen K. Jain Prof. Sarfaraz	EE Dept., SKIT	10,000/-
3	Workshop	Student Workshop on Project Planning and implementation with hands-on practice <i>gBm</i> Modern Tools.	Offline	6-10 Oct, 2025	Dr. Pallav Rawal		15,000/-
4	Workshop	Student Workshop on 3D printing: Print your ideas to life	Offline	25-29 Aug, 2025	Prof. Mukesh Arora Mr. Dinesh Kumar	CS Dept., SKIT	30,000/-
5	Workshop	Awareness workshop on Sustainable development	Offline	20-21 Feb, 2026	Dr. Kiran Rathi		25,000/-
6	FDP	FDP on Advancements in Semiconductor: Current Aspects and Challenges	Hybrid	27-31 Jan, 2026	Dr. Lalit Lata Dr. Neeraj Jain Mr. Abhinandan Jain		35,000/-
7	Conference	International Conference on Advances in Nanoelectronics and Communication Technologies (ICANCT 2026)	Hybrid	27-28 Feb. 2026	Dr. J. P. Vijay Dr. Neeraj Jain		1,20,000/-
8	Student Workshop	PCB Design and fabrication	Offline	23-25 March - 2026	Dr. Suman Sharma Dr. Kiran rathi	CoE- Antenna, Microwave and RF Engineering	40,000

*Recommended for final approval*  
*Principal* 13-8-25

*Mukeshy*  
Prof. Mukesh Arora  
HoD, ECE

**6<sup>th</sup> International Conference**  
**on**  
**Advancement in Nano-electronics &**  
**Communication Technologies**  
**(ICANCT-2026)**

---

**Chief Patron:**

- Shri Raja Ram Meel

**Patrons:**

- Shri Surja Ram Meel, Chairman, SKIT
- Shri Jaipal Meel, Director, SKIT

**National Advisory Board:**

- Dr. Mukesh Kumar, IIT, Indore
- Dr. S. K. Bhatnagar, Emeritus Scientist, CEERI, Pilani
- Dr. Gopi Ram, NIT Warangal
- Dr. Neha Sharma, GEC, Ambikapur
- Dr. Arvind Kumar, NIT Kurukshetra
- Dr. M. P. Sharma, Guru Ghasidas Vishwavidyalaya, Bilaspur
- Dr. Nikhildeep Gupta, VNIT, Nagpur
- Dr. Sanjeev Kumar Metya, NIT Arunachal Pradesh
- Dr. Karan Verma, NIT Delhi
- Dr. Sitanshu Sekhar Sahu, BIT Mesra
- Dr. Hitesh Panchal, Gujarat Technical University
- Dr. Shashi kant Sharma, IIIT, Ranchi
- Dr. Menka Yadav, MNIT, Jaipur
- Dr. Pooja Devi, CSIR-CSIO, Delhi
- Dr. Dr. Balwinder Raj, NIT, Jalandhar
- Dr. Renu Kumawat, Manipal University Jaipur
- Dr. Mahesh Kumar, IIT, Jodhpur
- Dr. S. Shanmugan, Research Centre for Solar Energy, K L University
- Dr. Govind Gupta, National Physical Laboratory, New Delhi

**6<sup>th</sup> International Conference**  
**on**  
**Advancement in Nano-electronics &**  
**Communication Technologies**  
**(ICANCT-2026)**

---

**International Advisory Board:**

- Prof. Dr. Esra Zayim, Istanbul Technical University, Turkey
- Dr. Kishor Kumar Sadasivuni, Center for Advanced Materials, Qatar University, Qatar
- Dr. Badrul Hisham Bin Ahmad, Universiti Teknikal Malaysia Melaka (UTeM)
- Dr. Nornikman Hassan, Universiti Teknikal Malaysia Melaka (UTeM)
- Dr. Ayşegül Uygün Öksüz, Süleyman Demirel University
- Dr. J. R. Ansari, Yonsei University, South Korea
- Dr. Deepalekshmi Ponnamma , Center for Advanced Materials, Qatar University
- Dr. Deep Jariwala, University of Pennsylvania, Philadelphia, United States
- Dr Manoj Kumar Jangid, University of Michigan (USA)
- Dr. Pooja Sharma, CEMMPRE, University of Coimbra, Portugal
- Dr. Yaseera Ismail, University of KwaZulu-Natal, SA

**6<sup>th</sup> International Conference**  
**on**  
**Advancement in Nano-electronics &**  
**Communication Technologies**  
**(ICANCT-2026)**

---

**Institutional Advisory Committee:**

- Dr. S. L. Surana, Director (Academics), SKIT
- Smt. Rachna Meel, Registrar, SKIT
- Dr. Ramesh Kumar Pachar, Principal, SKIT
- Dr. R. K. Jain, Dean, SKIT
- Dr. Virendra Sangtani, Head, Office of Faculty Affair, SKIT
- Dr. Neha Purohit, Head, office of Student Affairs, SKIT
- Dr. Vipin Jain, Head (IT), SKIT
- Dr. Mehul Mahrshi, Head (CS), SKIT
- Dr. B.L. Sharma, Head (CE), SKIT
- Dr. Dheeraj Joshi, Head (ME), SKIT
- Dr. Ankush Tandon, Head (EE), SKIT
- Dr. Savita Choudhary, Head (DMS), SKIT
- Dr. Sangeeta Choudhary, Incharge-I Year, SKIT
- Dr. Pramila Kumawat, Head (Maths), SKIT
- Dr. Anupriya Singh, Head (English), SKIT
- Dr. Rishi Vyas, Head (Physics), SKIT
- Dr. Swati Joshi, Head (Chemistry), SKIT

## GENERAL CHAIR



Dr. P. K. Jain,  
Professor & Head – ECE



Mukesh Arora,  
Prof. & Head, Incubation Cell



Dr. Monika Mathur,  
Prof & Dy. Head

## CONVENER



Dr. J. P. Vijay,  
Assoc. Prof., ECE Department



Dr. Neeraj Jain,  
Assoc. Prof., ECE Department

## ORGANIZING SECRETARY



Dr. Pallav Rawal  
ECE Department



Dr. Vikas Pathak  
ECE Department



Dr. Harshal Nigam  
ECE Department



Mr. Abhinandan Jain  
ECE Department

## Organizing Committee Member and Publicity Chair:

- Dr. Rukhsar Zafar
- Dr. Swati Arora
- Dr. Shubhi Jain
- Dr. Suman Sharma
- Dr. Kiran Rathi
- Dr. Lalit Kumar Lata
- Ms. Rajni Idiwali
- Ms. Gloria Joseph
- Ms. Priyanka Sharma
- Ms. Mamta Jain



## **ABOUT CONFERENCE**

---

### **6<sup>th</sup> International Conference**

**on**

### **Advancement in Nano-electronics & Communication Technologies (ICANCT-2026)**

---

Two Day International conference on “Advancements in Nano-electronics & Communication Technologies” (ICANCT-2026) will be organized by Department of Electronics & Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT M & G), Jaipur during March 18-19, 2026. This conference aims at presenting current research being carried out in the areas of Communication, Nano electronics, Photonics, Wireless Communication, Mobile Communications, Internet of Things (IOT), Machine learning and Artificial Intelligence, Antenna and Wave Propagation and VLSI Technology.

The scope of this conference encompasses latest research outcomes in the form of theoretical models, environmental impact, security and defense technology, innovative designs, enhancements and improvements in existing frameworks, sustainable technological advancement, societal welfare etc. Thus the conference intends to bring together the best minds from around the world to cover literally all aspects of energy technology from a multi-disciplinary perspective.

# PROGRAM BROCHURE



# ICANCT-2026

6<sup>th</sup> International Conference

on

**Advancement in Nano Electronics & Communication Technologies - 2026**



ICANCT-2026 (Hybrid Mode)  
Department of Electronics & Communication Engineering  
Swami Keshvanand Institute of Technology, Management & Gramothan,  
Jaipur, Rajasthan, India  
18-19 March, 2026

## ABOUT ICANCT-2026

Two-Day International Conference on "Advancements in Nano-electronics & Communication Technologies (ICANCT-2026)" will be held on March 18-19, 2026, organized by the Department of Electronics & Communication Engineering, SKIT M & G, Jaipur. The conference focuses on current research in Communication Systems, Nano-electronics, Photonics, Wireless and Mobile Communication, IoT, AI/ML, Antenna & Wave Propagation, and VLSI Technology. It aims to highlight theoretical innovations, sustainable and societal impacts, medical and defense applications, and environmentally responsible technological advancements, bringing together global experts on a multidisciplinary platform.

### NOTE :

- All accepted abstracts and papers will be published in the conference souvenir and in the conference proceedings with an ISBN number respectively
- All submissions must be sent via email to: [icanct2026@skit.ac.in](mailto:icanct2026@skit.ac.in).

### Organizing Chair

#### GENERAL CHAIR

- Dr. Mukesh Arora, SKIT M&G Jaipur
- Dr. Praveen Kumar Jain, SKIT M&G Jaipur
- Dr. Monika Mathur, SKIT M&G Jaipur

#### CONFERENCE CONVENER

- Dr. J.P. Vijay, SKIT M&G Jaipur
- Dr. Neeraj Jain, SKIT M&G Jaipur

#### ORGANIZING SECRETARY

- Dr. Pallav Rawal, SKIT M&G Jaipur
- Dr. Vikas Pathak, SKIT M&G Jaipur
- Mr. Harshal Nigam, SKIT M&G Jaipur
- Mr. Abhinandan Jain, SKIT M&G Jaipur

### TRACK 1 (NANO ELECTRONICS)

- Low-dimensional materials & 2D materials.
- Surfaces, Interfaces and Thin films.
- Nanocomposites and Nanocatalysts.
- Molecular and Nanoelectronics.
- Nanosensors and Nanoactuators.
- Photonic & Plasmonic Nanomaterials.
- Metamaterials and Metasurfaces.
- Manipulation and Characterization of Materials at Nanoscale.
- Nanodevices: Fabrication, Characterization and Application.
- Emerging Memory Technologies for High-Performance Computing.

### TRACK 2 (COMMUNICATION TECHNOLOGIES)

- AI-powered Communication Networks for Smart Cities.
- Energy-Efficient Communication Protocols for Wireless Sensor Networks (WSNs).
- Millimeter Wave (mmWave) Technologies for Ultrahigh Bandwidth Communication.
- Quantum-inspired Communication Techniques.
- Reliable and Secure Communication for Autonomous Vehicles.
- Cognitive Radio Networks for Dynamic Spectrum Access.
- Visible Light Communication (VLC) for Indoor Applications.
- Nanosatellite and smart communication -IoT.
- High Speed Communication using Machine learning.
- Mobile & wireless networks.

<https://icanct.skit.ac.in>

[icanct2026@skit.ac.in](mailto:icanct2026@skit.ac.in)

## IMPORTANT DATES

START DATE OF ABSTRACT SUBMISSION	6 Dec 2025
LAST DATE OF ABSTRACT SUBMISSION	24 Feb 2026
ON ACCEPTANCE- LAST DATE OF REGISTRATION	26 Feb 2026
CAMERA READY ABSTRACT / PAPER SUBMISSION BEFORE	28 Feb 2026

## CONFERENCE PAPER / POSTER PRESENTATION FEE STRUCTURE

Category	Fees
Students/Research Scholars	₹ 1,500/-
Faculty / Academicians	₹ 2,000/-
Industry Participants	₹ 3,500/-
Non-Authors Participant / Attendees	₹ 500/-
Foreign Delegates (All Categories)	\$ 50

## TECHNICAL SPONSOR (SKIT Student Chapters)



**OPTICA**  
Formerly OSA

- Authors are invited to submit the Abstract or Full Paper of their Research/Review work. All accepted abstracts and papers will be published in the conference souvenir and in the conference proceedings with an ISBN number respectively
- All submissions must be sent via email to: [icanct2026@skit.ac.in](mailto:icanct2026@skit.ac.in)
- NOTE: Acceptance of a full-length submission is strictly based on the reviewer's comments.
- At least one of the authors of an accepted paper needs to register for the conference and present the Paper/ Poster.

<https://icanct.skit.ac.in>

[icanct2026@skit.ac.in](mailto:icanct2026@skit.ac.in)

# PROGRAM POSTER


2013-24  
2023-25  
2011-22  
2009-21  
2019-20  
2018-19  
2017-18  
By RTU, Kota

**Swami Keshvanand Institute of Technology,  
Management & Gramothan, Jaipur**  
(An autonomous institute affiliated to Rajasthan Technical University, Kota)  
*Department of Electronics and Communication Engineering,  
Organizing*

**6<sup>th</sup> INTERNATIONAL CONFERENCE**  
on  
**ADVANCEMENT IN NANO-ELECTRONICS & COMMUNICATION TECHNOLOGIES - 2026**  
(18 - 19 March, 2026)

**EMINENT SPEAKER**


CPQA 3 674/00

**GUEST OF HONOUR**



**Dr. Kishor Kumar Sadasivuni**  
Center for Advanced Materials,  
Qatar University

**CHEIF GUEST**



**Dr. Esra Zayim**  
Istanbul Technical University

**GUEST OF HONOUR**



**Dr. Badrul Hisham Bin Ahmed**  
Technical University of Malaysia,  
Malacca



**Dr. Ayşegül ÖKSÜZ**  
Süleyman Demirel University



**Dr. Nornikman Hassan**  
Universiti Teknikal Malaysia Melaka (UTeM)



**Dr. Mukesh Kumar**  
IIT Indore



**Dr. Neha Sharma**  
GEC, Ambikapur



**Dr. Vikas Pathak**  
SKIT, Jaipur

**Conference Chair**  
Dr. Mukesh Arora  
Dr. Praveen Kumar Jain  
Dr. Monika Mathur

**Conference Convener**  
Dr. Jayprakash Vijay  
Dr. Neeraj Jain

**Program Schedule**  
**6<sup>th</sup> International Conference**  
**on**  
**Advancement in Nano-Electronics & Communication**  
**Technologies – 2026**  
**(ICANCT- 2026)**  
**18<sup>th</sup> -19<sup>th</sup> March, 2026**

<u>Day 1: March 18, 2026 (Wednesday)</u>	
9:10 am- 10:00 am	<p><b><u>Inaugural Session (online)</u></b>  <b><u>Chief Guest:</u></b>  <b>Dr. Esra Zayim</b>  Professor, Istanbul Technical University, Turkey  <b><u>Guest of Honor:</u></b>  <b>1. Dr. Kishor Kumar Sadasivuni</b>  Professor, Center for Advanced Materials, Qatar University  <b>2. Dr. Badrul Hisham Bin Ahmed</b>  Professor, Technical University of Malaysia, Malacca</p>
10:15 am-11:00 am	<p><b><u>Invited Talk – 1 (online)</u></b>  <b>Dr. Neha Sharma</b>  Government Engineering College, Ambikapur</p>
11:00 am- 11:45 am	<p><b><u>Invited Talk – 2 (online)</u></b>  <b>Dr. Vikas Pathak</b>  Swami Keshvanand Institute of Technology, Management &amp; Gramothan, Jaipur</p>
11:45 am- 12:30 pm	<p><b><u>Break</u></b></p>
12:30 am- 2:00 pm	<p><b><u>Paper Presentation (online)</u></b>  <b><u>Session Chair</u></b>  <b>Prof. Dr. Ayşegül Uygün Öksüz</b>  Süleyman Demirel University  Paper Track – Nanotechnology and VLSI</p>
02:00 pm- 3:30 pm	<p><b><u>Paper Presentation (online)</u></b>  <b><u>Session Chair</u></b>  <b>Dr. Nornikman Hassan</b>  Universiti Teknikal Malaysia Melaka (UTeM)  Paper Track – Antenna &amp; Communication</p>

**Program Schedule**  
**6<sup>th</sup> International Conference**  
**on**  
**Advancement in Nano-Electronics & Communication**  
**Technologies – 2026**  
**(ICANCT- 2026)**  
**18<sup>th</sup> - 19<sup>th</sup> March, 2026**

<u>Day 2: March 19, 2026 (Thursday)</u>	
8:30 am- 9:00 am	<u>High Tea (J. C. Bose Tea Room)</u>
9:15 am- 10:30 am	<u>Invited Talk – 3 (offline) (J. C. Bose Auditorium)</u> <b>Dr. Mukesh Kumar</b> Professor, IIT indore
10:45 am-01:00 pm	<u>Poster Presentation (offline) (ECE Department)</u> <u>Judge:</u> <b>Dr. Mukesh Kumar</b> Professor, IIT indore <b>Dr. Satyasai Jagannath Nanda</b> Associate Professor, MNIT Jaipur
1:00 pm- 2:00 pm	<u>Lunch</u>
2:00 pm- 2:30 pm	<u>Valedictory Session</u>

## Program Inauguration Schedule



6<sup>th</sup> International Conference on  
**“Advancement in Nano-Electronics & Communication Technologies – 2026”**  
(ICANCT-2026)

**18-19 March, 2026**

Organized by

Department of Electronics & Communication Engineering  
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

### **SCHEDULE OF INAUGURATION CEREMONY**

Time	Activity
9.10 am to 9.15 am	Introduction by Anchor
9.15 am to 9.25 am	Welcome Note & About the Conference Dr. S. L. Surana, Director (Academics), SKIT
9.25 am to 9.30 am	Word of wisdom by Guest of Honour <b>Dr. Kishor Kumar Sadasivuni</b> Professor, Center for Advanced Materials, Qatar University
9.30 am to 9.35 am	Word of wisdom by Guest of Honour <b>Dr. Badrul Hisham Bin Ahmed</b> Professor, Technical University of Malaysia, Malacca
9.35 am to 9.40 am	Unveiling of Conference Souvenir
9.40 am to 9.50 am	Word of wisdom by Chief Guest <b>Dr. Esra Zayim</b> Professor, Istanbul Technical University, Turkey
9.50 am to 9.55 am	Vote of Thanks Dr. Praveen Kumar Jain, HOD-ECE
9.55 am to 10.00 am	Group Photograph

# **Technical Report**

## **6th International Conference on Advancement in Nano Electronics & Communication Technologies (ICANCT-2026)**

**Venue:** Swami Keshvanand Institute of Technology, Management & Gramothan  
(SKIT), Jaipur  
**Dates:** 18–19 March 2026

### **1. Introduction**

The 6th International Conference on Advancement in Nano Electronics & Communication Technologies (ICANCT-2026) was organized by the Department of Electronics & Communication Engineering at SKIT, Jaipur. The conference aimed to provide a global platform for researchers, academicians, and industry experts to present and discuss recent advancements in nano-electronics and communication technologies.

The two-day conference witnessed enthusiastic participation from national and international delegates, promoting innovation, research collaboration, and interdisciplinary learning.

### **2. Objectives of the Conference**

- To promote advanced research in nano-electronics and communication technologies
- To provide a platform for knowledge exchange among global researchers
- To encourage young researchers to present innovative ideas
- To strengthen academic and industry collaborations

### **3. Day 1 Proceedings (18 March 2026)**

#### **3.1 Inaugural Session**

The conference commenced with a grand inaugural ceremony. The session began with a welcome address by **Prof. Praveen Kumar Jain (Head, ECE Department)**, who highlighted the objectives, technical significance, and the need for global research collaboration.

#### **Distinguished Guests**

- **Chief Guest:** Dr. Esra Zaim (Istanbul Technical University, Turkey)
- **Guest of Honour:** Dr. Kishore Kumar Sadasivuni (Qatar University)

During the session, the **conference souvenir was officially released**, marking the formal beginning of ICANCT-2026.

#### **3.2 Expert Lectures**

##### **Lecture 1**

**Speaker:** Dr. Neha Sharma

**Topic:** *Spin Reorientation and Reversal of Magnetization in Perovskites*

Key highlights:

- Advanced magnetic materials
- Magnetization behavior in perovskites
- Applications in modern electronic systems

## Lecture 2

**Speaker:** Dr. Vikas Pathak (Associate Professor, SKIT Jaipur)

**Topic:** *Hardware Architectures of Signal Processing Algorithms for Genomic Data Analysis*

Key highlights:

- Signal processing techniques for genomic data
- Hardware implementation challenges
- Emerging interdisciplinary research areas

## 3.3 Technical Sessions

### Session 1

**Chair:** Dr. Ayşegül Uygun Öksüz (Süleyman Demirel University, Turkey)

- Focus on nano-electronics advancements
- Research paper presentations by participants

### Session 2

**Chair:** Dr. Nornikman Hasan (UTeM, Malaysia)

- Focus on modern communication technologies
- Discussion on emerging challenges and solutions

## 4. Day 2 Proceedings (19 March 2026)

### 4.1 Expert Lecture

The second day began with an expert lecture by **Dr. Mukesh Kumar (IIT Indore)** on:

- Chip-scale optoelectronic devices
- Chip-level integration
- High-speed data transmission
- Future research trends

### 4.2 Poster Presentation Session

A poster presentation session was conducted with **35 participating teams**, covering:

- Nano-electronics
- Advanced communication systems
- Artificial Intelligence applications

- Emerging technologies

### **4.3 Evaluation and Jury Panel**

The evaluation was carried out by an expert panel:

- Dr. Mukesh Kumar (IIT Indore)
- Dr. Satya Sai Jagannath Nandan (MNIT Jaipur)
- Dr. S. L. Surana (Director Academic, SKIT)
- Dr. R. K. Jain (Dean, SKIT)
- Heads of various departments

### **4.4 Valedictory Session**

The conference concluded with a valedictory session where:

- Outstanding contributions were recognized
- Awards were distributed to participants
- Experts emphasized the importance of such conferences in advancing research and global collaboration

## **5. Outcomes of the Conference**

- Provided international exposure to researchers
- Encouraged innovation in nano-electronics and communication
- Strengthened academic collaborations
- Promoted interdisciplinary research

## **6. Conclusion**

ICANCT-2026 successfully established itself as a significant platform for research, innovation, and global collaboration. The conference not only showcased cutting-edge technological advancements but also inspired young researchers to contribute toward future developments in nano-electronics and communication technologies.

## Session-wise details

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur, Rajasthan, India

Department of Electronics & Communication Engineering

6th International Conference on Advancement in Nano Electronics & Communication Technologies (ICANCT-2026)

Hybird Mode: 18-19 March, 2026

Paper presetrnation Queue sheet (Online)

Date: 18 March 2026

Time: 12:30 PM-2:00 PM (IST),

Session Chair: Prof. Dr. Ayşegül Uygun Öksüz

Microsoft Teams meeting Join: <https://teams.microsoft.com/meet/47509074617911?p=8tji7q3vqDz1brrjYg>

Meeting ID: 475 090 746 179 11, Passcode: Z2NU2F9f

Sr	Name	Paper Title
1	FARHAN MOHAMMAD KHAN	Nanomaterial-Enabled Biosensing Platforms for Rapid Detection of Escherichia coli in Water Systems: A Review
2	Mamta Jain	Efficient VLSI Architecture of K-Means Clustering for Microarray Data Analysis
3	Shah Bin Taufiqur Rahman	The Influence of Artificial Intelligence on Enhancing Guest Experience at Luxurious Hotels in Kuala Lumpur, Malaysia
4	Sarita Chauhan	A review on Optimizations and Trends of Systolic Array-Based DNN Architectures
5	Dr. P K Mandal	Characterisation and Experimental Investigation of Refined Precipitates in Modern Steels
6	Sitaram Meena	Disease Detection and Classification Employing Multi Omic and Image Data Using Machine Learning: A Review
7	vidhi Sen	AI-Driven Adaptive Communication Networks for Next-Generation Smart Cities
8	Gaurav goyal	Role of radio frequency technology in biomedical applications: a review

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur, Rajasthan, India

Department of Electronics & Communication Engineering

6th International Conference on Advancement in Nano Electronics & Communication Technologies (ICANCT-2026)

Hybird Mode: 18-19 March, 2026

Paper presenation Queue sheet (Online)

Date: 18 March 2026

Time: 2:00 PM-3:30 PM (IST),

Session Chair: Dr. Normikman Hassan

Microsoft Teams meeting Join: <https://teams.microsoft.com/meet/47509074617911?p=8tji7q3vqDz1brrjYg>

Meeting ID: 475 090 746 179 11, Passcode: Z2NU2F9f

Sr	Name	Paper Title
1	Priyanka Sumeet More	Security and Reliability Challenges in V2X Communication for Connected and Autonomous Vehicles: A Review
2	Dr. B SATYANARAYANA	High-Gain Wideband 4x4 MIMO Antenna Using a UWB AMC-Backed Reflector for mm-Wave 5G Applications
3	Ruchika Jain	A Review of Antenna Design Strategies for 5G/B5G-Enabled IoT Networks
4	Anshika Chechani	Design of a Dual-Band Microstrip Patch Antenna for Wi-Fi and IoT Devices
5	Rajeev Soni	Design and Analysis of Microstrip Patch Antenna for mmWave 5G Application
6	Kusum Sharma	High Quality Plasmonic Notch Filter Using Coupled And Elliptical Resonator
7	SHUBHI JAIN	Next Generation Antenna Technology for 6G -A Review
8	Shailendra Sharma	Comparative Analysis of Flexible and wearable Antenna Technologies for On body and 5G wireless Application
9	Dr GIRIRAJ KUMAR PRAJAPATI	Millimeter wave Antennas for Long Range Low Power Networks in 5G Wireless Communication and millimeter wave propagation

## Certificates



असतो मा सद्गमय

### 6<sup>th</sup> International Conference

ON

### Advancement in Nano - Electronics & Communication Technologies

### ICANCT-2026

(18-19 March, 2026)

### CERTIFICATE OF APPRECIATION

to

### Dr. Esra Zayim

Professor, Istanbul Technical University, Turkey

in Recognition of his valuable contribution as

### CHIEF GUEST

in 6<sup>th</sup> International Conference on Advancement in Nano - Electronics & Communication Technologies - 2026 held during 18-19 March, 2026 organized by Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, India





Dr. Ramesh Kumar Pachar

---

Principal





Dr. Praveen Kumar Jain

---

General Chair

on



असतो मा सद्गमय

### 6<sup>th</sup> International Conference

ON

### Advancement in Nano - Electronics & Communication Technologies

### ICANCT-2026

(18-19 March, 2026)

### CERTIFICATE OF APPRECIATION

to

### Dr. Kishor Kumar Sadasivuni

Professor, Center for Advanced Materials, Qatar University

in Recognition of his valuable contribution as

### GUEST OF HONOR

in 6<sup>th</sup> International Conference on Advancement in Nano - Electronics & Communication Technologies - 2026 held during 18-19 March, 2026 organized by Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, India





Dr. Ramesh Kumar Pachar

---

Principal





Dr. Praveen Kumar Jain

---

General Chair

on



# 6<sup>th</sup> International Conference

ON



**Advancement in Nano - Electronics & Communication Technologies**

**ICANCT-2026**

(18-19 March, 2026)

## CERTIFICATE OF APPRECIATION

to

**Prof. Dr. Ayşegül Uygün Öksüz**

**Süleyman Demirel University**

in Recognition of his/her valuable contribution as

### SESSION CHAIR

in 6<sup>th</sup> International Conference on Advancement in Nano - Electronics & Communication Technologies - 2026 held during 18-19 March, 2026 organized by Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, India

Dr. Ramesh Kumar Pachar

Principal



Dr. Praveen Kumar Jain

General Chair

on



# 6<sup>th</sup> International Conference

ON



**Advancement in Nano - Electronics & Communication Technologies**

**ICANCT-2026**

(18-19 March, 2026)

## CERTIFICATE OF APPRECIATION

to

**Dr. Nornikman Hassan**

**Universiti Teknikal Malaysia Melaka (UTeM)**

in Recognition of his/her valuable contribution as

### SESSION CHAIR

in 6<sup>th</sup> International Conference on Advancement in Nano - Electronics & Communication Technologies - 2026 held during 18-19 March, 2026 organized by Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, India

Dr. Ramesh Kumar Pachar

Principal



Dr. Praveen Kumar Jain

General Chair

on



## 6<sup>th</sup> International Conference



on

**Advancement in Nano - Electronics & Communication Technologies**

**ICANCT-2026**

(18-19 March, 2026)

### CERTIFICATE OF PARTICIPATION

This certificate is awarded to

**Priyanka Jain**

of Arya college of engineering and Information Technology, Jaipur for successfully presenting paper titled "Next Generation Antenna Technology for 6G" at 6<sup>th</sup> International Conference on Advancement in Nano-Electronics & Communication Technologies - 2026 held during 18-19 March, 2026 organized by Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, India

Dr. J.P. Vijay

Convener



Dr. Neeraj Jain

Convener



## 6<sup>th</sup> International Conference



on

**Advancement in Nano - Electronics & Communication Technologies**

**ICANCT-2026**

(18-19 March, 2026)

### CERTIFICATE OF PARTICIPATION

This certificate is awarded to

**Priyanka More**

of MET's Institute of Engineering, Nashik for successfully presenting paper titled "Security and Reliability Challenges in V2X Communication for Connected and Autonomous Vehicles: A Review" at 6<sup>th</sup> International Conference on Advancement in Nano-Electronics & Communication Technologies - 2026 held during 18-19 March, 2026 organized by Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, India

Dr. J.P. Vijay

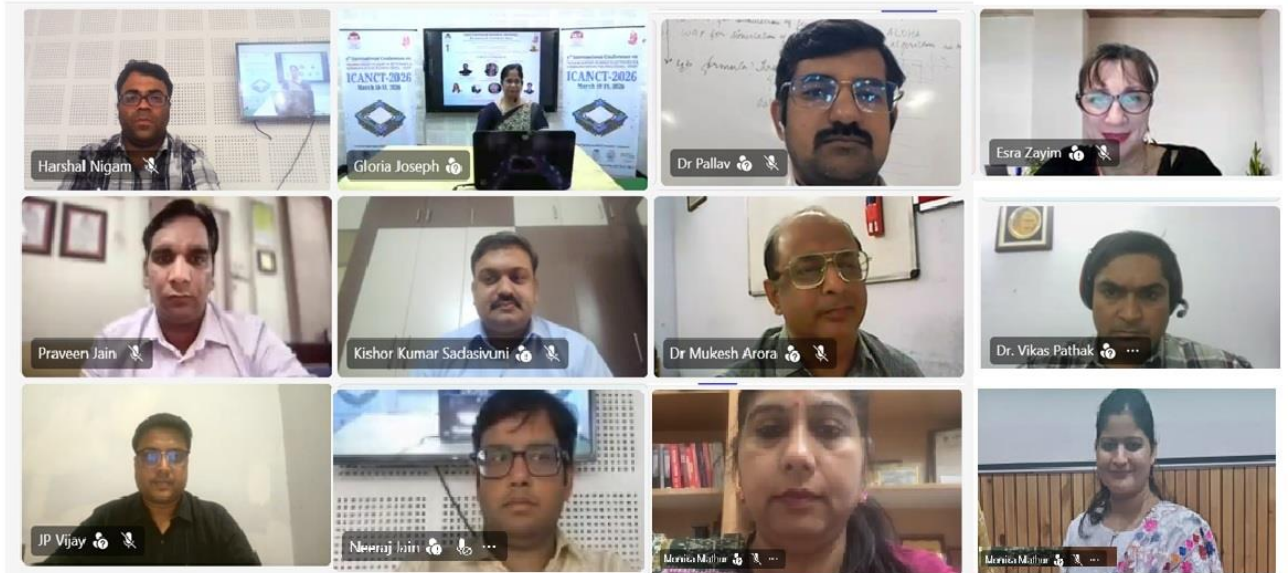
Convener



Dr. Neeraj Jain

Convener

## Photographs of the event







# एसकेआईटी में अंतरराष्ट्रीय कॉन्फ्रेंस का आगाज

आईसीएनसीटी 2026 में देश विदेश के शोधार्थियों की भागीदारी

जयपुर, 18 मार्च (ब्यूरो): स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथान, जयपुर के इलेक्ट्रॉनिक्स एवं कम्युनिकेशन इंजीनियरिंग विभाग द्वारा आयोजित छठी अंतरराष्ट्रीय कॉन्फ्रेंस एडवांसमेंट इन नैनो इलेक्ट्रॉनिक्स एंड कम्युनिकेशन टेक्नोलॉजीज, आईसीएनसीटी 2026 का शुभारंभ हुआ।

विभागाध्यक्ष प्रो. प्रवीण कुमार जैन ने स्वागत उद्बोधन दिया। मुख्य अतिथि डॉ. एसरा जायिम, इस्तांबुल टेक्निकल यूनिवर्सिटी, तुर्की और विशिष्ट अतिथि डॉ. किशोरकुमार सदासिवुनी, कतर यूनिवर्सिटी रहे। इस अवसर पर



कॉन्फ्रेंस स्मारिका का विमोचन हुआ। तकनीकी सत्र में डॉ. नेहा शर्मा, गवर्नमेंट इंजीनियरिंग कॉलेज अंबिकापुर ने पेरोक्साइड्स पर व्याख्यान दिया, जबकि एसकेआईटी के डॉ. विकास पाठक ने जीनोमिक डेटा विश्लेषण विषय रखा। सत्र संचालन डॉ. आयशेगुल उयगुन ओक्सुज, सुलेमान

डेमिरेल यूनिवर्सिटी तुर्की और डॉ. नॉर्निकमैन हसन, यूटीईएम मलेशिया ने किया। धन्यवाद ज्ञापन प्रो. मुकेश अरोरा ने दिया। जनरल चैयर डॉ. मोनिका माथुर रहीं, समन्वयक डॉ. जयप्रकाश विजय, डॉ. नीरज जैन और संचालन डॉ. हर्षल निगम, सुश्री ग्लोरिया जोसेफ ने किया।

## एसकेआईटी में आईसीएनसीटी 2026 का भव्य शुभारंभ

जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथान (एसकेआईटी) के इलेक्ट्रॉनिक्स एवं कम्युनिकेशन इंजीनियरिंग विभाग की ओर से 6वीं अंतरराष्ट्रीय कॉन्फ्रेंस 'एडवांसमेंट इन नैनो इलेक्ट्रॉनिक्स एंड कम्युनिकेशन टेक्नोलॉजीज (आईसीएनसीटी 2026)' का बुधवार को भव्य शुभारंभ हुआ। दो दिवसीय यह सम्मेलन 19 मार्च तक आयोजित होगा। इसमें देश-विदेश के शोधार्थी, शिक्षाविद और विशेषज्ञ भाग ले रहे हैं। कार्यक्रम की शुरुआत विभागाध्यक्ष प्रोफेसर प्रवीण कुमार जैन ने की। उद्घाटन सत्र में डॉ. एसरा जायिम मुख्य अतिथि थीं, जबकि डॉ. किशोर कुमार सदासिवुनी



विशिष्ट अतिथि के रूप में शामिल हुए। इस अवसर पर कॉन्फ्रेंस स्मारिका का विमोचन भी किया गया। तकनीकी सत्रों में विशेषज्ञों ने उभरती तकनीकों पर विस्तार से चर्चा की। डॉ. नेहा शर्मा व डॉ. विकास पाठक ने विशेष

प्रस्तुति दी। सत्रों का संचालन डॉ. आयशेगुल उयगुन ओक्सुज और डॉ. नॉर्निकमैन हसन ने किया। प्रतिभागियों ने अपने शोध पत्र भी प्रस्तुत किए। कॉन्फ्रेंस के दूसरे दिन पोस्टर प्रेजेंटेशन और विशेषज्ञ व्याख्यान आयोजित होंगे।

# एसकेआईटी जयपुर में आईसीएनसीटी-2026 का भव्य समापन, नवाचारों की गूंज के साथ सजे वैश्विक शोध के स्वर

(शुभ लहर तरंग नेटवर्क)  
जयपुर (श्रीराम इंदौरिया): स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान (एसकेआईटी), जयपुर में आयोजित दो दिवसीय 6वां अंतरराष्ट्रीय कॉन्फ्रेंस 'एडवॉन्समेंट इन नैनो इलेक्ट्रॉनिक्स एंड कम्युनिकेशन टेक्नोलॉजीज (आईसीएनसीटी-2026)' का आज भव्य एवं प्रभावशाली समापन हुआ। देश-विदेश से आए शोधार्थियों, शिक्षाविदों एवं तकनीकी विशेषज्ञों की सक्रिय सहभागिता ने इस सम्मेलन को नवाचार, अनुसंधान और वैश्विक सहयोग का एक सशक्त मंच बना दिया। कॉन्फ्रेंस के दूसरे दिन की शुरुआत डॉ. मुकेश कुमार, प्रोफेसर, आईआईटी इंदौर के विशेषज्ञ व्याख्यान से हुई। उन्होंने चिप-स्तरीय ऑप्टोइलेक्ट्रॉनिक उपकरण विषय पर विस्तार से प्रकाश डालते हुए आधुनिक ऑप्टोइलेक्ट्रॉनिक डिवाइसेज, चिप-स्तरीय एकीकरण,



उच्च गति डेटा ट्रांसमिशन तथा भविष्य की संभावनाओं पर महत्वपूर्ण जानकारी साझा की। उनके व्याख्यान ने प्रतिभागियों को तकनीकी नवाचारों की नई दिशा प्रदान की। इसके पश्चात आयोजित पोस्टर प्रेजेंटेशन सत्र में 35 टीमों ने उत्साहपूर्वक भाग लिया। प्रतिभागियों ने नैनो-इलेक्ट्रॉनिक्स, उन्नत संचार तकनीक, आर्टिफिशियल इंटेलिजेंस आधारित

समाधान एवं अन्य अत्याधुनिक शोध विषयों पर अपने अभिनव प्रोजेक्ट्स प्रस्तुत किए। इन प्रस्तुतियों ने युवा शोधार्थियों की रचनात्मकता, तकनीकी दक्षता और भविष्य की संभावनाओं को प्रभावी रूप से प्रदर्शित किया। इस सत्र के मुख्य निर्णायक के रूप में डॉ. मुकेश कुमार (आईआईटी इंदौर), डॉ. सत्य साई जगन्नाथ नंदन (एसोसिएट प्रोफेसर,

एमएनआईटी जयपुर), डॉ. एसएल सुराना (डायरेक्टर अकादमिक, एसकेआईटी), डॉ. आरके जैन (डीन, एसकेआईटी) एवं विभिन्न विभागों के विभागाध्यक्षों ने निर्णायक मंडल के रूप में सक्रिय भागीदारी निभाते हुए प्रतिभागियों के प्रस्तुतिकरण का सूक्ष्म एवं निष्पक्ष मूल्यांकन किया। कार्यक्रम का समापन वैलिडिक्टेरी सत्र के साथ हुआ, जहाँ उत्कृष्ट शोध कार्यों को

सराहा गया एवं प्रतिभागियों को सम्मानित किया गया। वक्ताओं ने इस प्रकार के आयोजनों को शोध, नवाचार और अंतरराष्ट्रीय सहयोग को बढ़ावा देने के लिए अत्यंत आवश्यक बताया। कॉन्फ्रेंस के समन्वयक डॉ. जयप्रकाश विजय एवं डॉ. नीरज जैन रहे, जबकि मंच संचालन डॉ. हर्षल निगम एवं सुश्री ग्लोरिया जोसेफ द्वारा कुशलतापूर्वक किया गया। आईसीएनसीटी-2026 ने न केवल नैनो-इलेक्ट्रॉनिक्स और कम्युनिकेशन टेक्नोलॉजी के क्षेत्र में नवीनतम शोध को वैश्विक मंच प्रदान किया, बल्कि युवा शोधार्थियों को अंतरराष्ट्रीय स्तर पर अपने विचार प्रस्तुत करने का एक सशक्त अवसर भी दिया। यह सम्मेलन भविष्य में तकनीकी नवाचार, अनुसंधान उत्कृष्टता और वैश्विक साझेदारी के नए आयाम स्थापित करने की दिशा में एक महत्वपूर्ण कदम साबित हुआ।

www.dainikudyogaaspass.com

उद्योग आस-पास

## एसकेआईटी में नवाचारों की गूंज के साथ सजे वैश्विक शोध के स्वर आईसीएनसीटी-2026 का समापन

■ आस-पास व्यू

जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान (एसकेआईटी), जयपुर में आयोजित दो दिवसीय 6वां अंतरराष्ट्रीय कॉन्फ्रेंस 'एडवॉन्समेंट इन नैनो इलेक्ट्रॉनिक्स एंड कम्युनिकेशन टेक्नोलॉजीज (आईसीएनसीटी-2026)' का भव्य एवं प्रभावशाली समापन हुआ। देश-विदेश से आए शोधार्थियों, शिक्षाविदों एवं तकनीकी विशेषज्ञों की सक्रिय सहभागिता ने इस सम्मेलन को नवाचार, अनुसंधान और वैश्विक सहयोग का एक सशक्त मंच बना दिया। कॉन्फ्रेंस के दूसरे दिन की शुरुआत डॉ. मुकेश कुमार, प्रोफेसर, आईआईटी इंदौर के विशेषज्ञ व्याख्यान से हुई। उन्होंने चिप-स्तरीय ऑप्टोइलेक्ट्रॉनिक उपकरण विषय पर विस्तार से प्रकाश डालते हुए आधुनिक ऑप्टोइलेक्ट्रॉनिक डिवाइसेज, चिप-स्तरीय एकीकरण, उच्च गति डेटा ट्रांसमिशन तथा भविष्य की संभावनाओं पर महत्वपूर्ण जानकारी साझा की। उनके व्याख्यान ने प्रतिभागियों को तकनीकी नवाचारों की नई



दिशा प्रदान की। इसके पश्चात आयोजित पोस्टर प्रेजेंटेशन सत्र में 35 टीमों ने उत्साहपूर्वक भाग लिया। प्रतिभागियों ने नैनो-इलेक्ट्रॉनिक्स, उन्नत संचार तकनीक, आर्टिफिशियल इंटेलिजेंस आधारित समाधान एवं अन्य अत्याधुनिक

शोध विषयों पर अपने अभिनव प्रोजेक्ट्स प्रस्तुत किए। इन प्रस्तुतियों ने युवा शोधार्थियों की रचनात्मकता, तकनीकी दक्षता और भविष्य की संभावनाओं को प्रभावी रूप से प्रदर्शित किया। इस सत्र के मुख्य निर्णायक के रूप में

डॉ. मुकेश कुमार (आईआईटी इंदौर), डॉ. सत्य साई जगन्नाथ नंदन (एसोसिएट प्रोफेसर, एमएनआईटी जयपुर), डॉ. एस. एल. सुराना (डायरेक्टर अकादमिक, एसकेआईटी), डॉ. आर. के. जैन (डीन, एसकेआईटी) एवं विभिन्न विभागों के

विभागाध्यक्षों ने निर्णायक मंडल के रूप में सक्रिय भागीदारी निभाते हुए प्रतिभागियों के प्रस्तुतिकरण का सूक्ष्म एवं निष्पक्ष मूल्यांकन किया। कार्यक्रम का समापन वैलिडिक्टेरी सत्र के साथ हुआ, जहाँ उत्कृष्ट शोध कार्यों को सराहा गया एवं प्रतिभागियों को सम्मानित किया गया। वक्ताओं ने इस प्रकार के आयोजनों को शोध, नवाचार और अंतरराष्ट्रीय सहयोग को बढ़ावा देने के लिए अत्यंत आवश्यक बताया। कॉन्फ्रेंस के समन्वयक डॉ. जयप्रकाश विजय एवं डॉ. नीरज जैन रहे, जबकि मंच संचालन डॉ. हर्षल निगम एवं ग्लोरिया जोसेफ द्वारा कुशलतापूर्वक किया गया। आईसीएनसीटी-2026 ने न केवल नैनो-इलेक्ट्रॉनिक्स और कम्युनिकेशन टेक्नोलॉजी के क्षेत्र में नवीनतम शोध को वैश्विक मंच प्रदान किया, बल्कि युवा शोधार्थियों को अंतरराष्ट्रीय स्तर पर अपने विचार प्रस्तुत करने का एक सशक्त अवसर भी दिया। यह सम्मेलन भविष्य में तकनीकी नवाचार, अनुसंधान उत्कृष्टता और वैश्विक साझेदारी के नए आयाम स्थापित करने की दिशा में एक महत्वपूर्ण कदम साबित हुआ।