

## **International conference on “Advancements in Nanoelectronics and Communication Technologies (ICANCT-2020)”**

**1.Title of the Activity-** International conference on “Advancements in Nanoelectronics and Communication Technologies (ICANCT-2020)”

**2.About the Activity-**

### **a. Objective:**

- To bring together leading academicians, researchers and research scholars to exchange and share their experiences and research results on all aspects of Nanoelectronics, Nanodevices and communication technology.
- Foster the transfer of new technologies into products for commercial and public benefit through Communication technologies
- Develop and sustain educational resources in nano-elctronics
- Publication of 1<sup>st</sup> Souvenir

### **b. Program detail:**

Two days conference was inaugurated on January 17, 2020, co-sponsored by IETE Jaipur centre. **Materials Today: Proceedings** (Elsevier Publication), **Journal of Emergent Materials** (Springer Publication) and **SKIT Research Journal** graciously accepted to be publication partners of ICANCT-2020. Conference papers of original & unpublished research work under the scope of the journal were published by these journals after peer review process. Prof.(Dr.) Mukesh Arora, HOD (ECE) and Dr. Praveen Kumar Jain, Dy. HOD (ECE) were the convenors and co-convenors respectively.

- Prof. Kishore Kumar delivered lecture on "Innovative smart sensor solutions for application in daily life" and by Prof. Badrul Hisham Ahmad on "Design and Development of VHF Front –End for lightning interferometer system".
- First invited talk was delivered by Dr. Balwinder Raj, NITTTR Chandigarh on "Nanoelectronics Devices for Low Power Design", which was followed by 10 oral presentations.
- In the last session of Day 1, Dr. Dinesh Yadav from Manipal University Jaipur delivered an enriching talk on "Designing and Application of reconfigurable antennas". In this session 9 papers related to communication field were presented by the participants.
- The second day started with the invited talk of Dr. Mohan Singh Mehata, Delhi Technological University, New Delhi. Dr. Mehata focused his talk on "Excited Electronic State Dynamics of QLEDs and OLEDs materials".
- In this session, 11 papers related to Nanomaterials were presented by the participants. After tea break, the invited talk on "Recent trends of error correcting codes in Mobile Communication" was delivered by Prof

Mohammad Salim", MNIT, Jaipur and "Hybrid Nanostructures for Energy Harvesting Applications" by Dr. Praveen Kumar, IACS, Kolkata. In the later sessions 9 & 8 papers were presented by the participants, respectively.

- In the last session of the conference, Prof. Ghanshyam Singh, MNIT Jaipur delivered his expert talk on "Correlation of Artificial Intelligence with Photonics" and was followed by 8 research papers presentation.

The Chief Guest of inaugural function was Prof. Chandra Shekhar, Chairman & Chancellor, Board of Governors, AcSIR, India



The guest of Honor of the program was Dr. Kishore Kumar Sadasivuni, Professor, Center for Advanced Materials, Qatar University, Qatar



Dr. Badrul Hisham Ahmad, Professor, Universiti Teknikal Malaysia (UTeM), Malaysia was also our guest of honor.



The Souvenir was inaugurated by Mr. Jaipal Meel, Director SKIT, Dr. S.L. Surana, Director (Academics), SKIT, Dr. Ramesh Kumar Pachar, Principal, SKIT, Dr. S.K. Bhatnagar, Director (Research), SKIT, Dr. Mukesh Arora, Head ECE Department, SKIT, Prof. Chandra Shekhar, Chairman & Chancellor, Board of Governors, AcSIR, India, Dr. Kishore Kumar Sadasivuni, Professor, Center for Advanced Materials, Qatar University, Dr. Badrul Hisham Ahmad, Professor, Universiti Teknikal Malaysia (UTeM), Malaysia



**a. Expected Outcome:**

The outcomes included:

- Understanding the concepts of Nano-electronics and technologies.
- researchers, practitioners and educators had a premier interdisciplinary platform for to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Nanoelectronics, Nanodevices and communication technology

- Enlightened experience of advanced world-class **nanotechnology** research and development program

**b. Type:** International

## **2. Details of the Activity**

**a. Resource person**

**(Internal from ECE Department):**

1. Dr. Mukesh Arora,
2. Dr. Praveen Kumar Jain
3. Dr. Monika Mathur
4. Dr. Rukhsar Zafar
5. Dr. Swati Arora
6. Prof. (Dr.) S. K. Bhatnagar

**(External):**

1. Dr. Kishore Kumar Sadasivuni, Professor, Center for Advanced Materials, Qatar University,
2. Dr. Balwinder Raj, NITTTR Chandigarh
3. Dr. Dinesh Yadav from Manipal University Jaipur
4. Dr. Mohan Singh Mehata, Delhi Technological University, New Delhi.
5. Prof Mohammad Salim, MNIT, Jaipur
6. Dr. Praveen Kumar, IACS, Kolkata

**b. No of participants: 45**

| <b>Online Registration Detail for ICANCT-2020</b> |                 |                       |
|---|-----------------|-----------------------|
| <b>S.No</b>                                       | <b>Paper ID</b> | <b>Name of Author</b> |
| 1   | 5               | Smita Prajapati       |
| 2   | 11              | Rishiparna Choudhury  |
| 3   | 12              | Koneti Srikanth       |
| 4   | 13              | Asmita Menaria        |
| 5   | 15              | Harshal Nigam         |
| 6   | 16              | Himanshu Sharma       |

|    |           |                               |
|----|-----------|-------------------------------|
| 7  | <b>18</b> | Neeraj Jain                   |
| 8  | <b>19</b> | Ila Roy Saxena                |
| 9  | <b>22</b> | Saravanan                     |
| 10 | <b>23</b> | S. Shanmugan                  |
| 11 | <b>24</b> | P.Saminathan                  |
| 12 | <b>25</b> | Palanikumar                   |
| 13 | <b>30</b> | Priyanka Jain                 |
| 14 | <b>32</b> | Pragya Pandey                 |
| 15 | <b>35</b> | Ruchika Jain                  |
| 16 | <b>40</b> | Varadharajan                  |
| 17 | <b>42</b> | Vikas Pathak                  |
| 18 | <b>44</b> | Gyan Prakash Sharma           |
| 19 | <b>45</b> | Ajay Kumar Sharma             |
| 20 | <b>46</b> | Raghvendra Singh              |
| 21 | <b>47</b> | S. Shanmugan/Dr.Deepak Jangir |
| 22 | <b>48</b> | Yazusha Sharma                |
| 23 | <b>49</b> | M.Senthilkumar                |
| 24 | <b>50</b> | A.Simon Prabu                 |
| 25 | <b>53</b> | Nitin Kumar                   |
| 26 | <b>54</b> | Veenu Kumari                  |
| 27 | <b>57</b> | Ashish Kumar                  |
| 28 | <b>60</b> | Mohammad Asif Iqbal           |

|    |           |                                  |
|----|-----------|----------------------------------|
| 29 | <b>62</b> | Rakhi Jangir                     |
| 30 | <b>63</b> | Niharika Gouttam                 |
| 31 | <b>66</b> | Rajendra kumar Banshilal Ahirrao |
| 32 | <b>69</b> | Sanju Tanwar                     |
| 33 | <b>70</b> | Manasvi Dixit                    |
| 34 | <b>71</b> | Dr.Shanky Saxena                 |
| 35 | <b>74</b> | Vishal Tandon                    |
| 36 | <b>75</b> | Yogita Madan                     |
| 37 | <b>37</b> | Lalit Kumar Lata                 |
| 38 | <b>77</b> | Shally Goyal                     |
| 39 |           | Anshul Kothari                   |
| 40 |           | Neelam Gupta                     |
| 41 |           | Lamba                            |
| 42 |           | Tarun                            |

### offline Registration Detail for ICANCT-2020

| <b>S.No</b> | <b>Paper ID</b> | <b>Name of Author</b> |
|-------------|-----------------|-----------------------|
| 1           |                 | Radha Krishan Yadav   |
| 2           |                 | J.P.Vijay             |
| 3           |                 | Manoj Kumar Choudhary |

**c. Brief Proceeding of each day of the activity:**

| Day 1: January 17, 2018 (Friday)              |  |
|---|--|
| 8:30 am -9:30 am                              | Registration   |
| 9:30 am -11:00 am<br>(Gyan Mandir Auditorium) | <b>Inauguration of Program</b><br>Chief Guest- Prof. Chandra Shekhar<br>Chairman, Board of Governors, AcSIR and Chancellor, AcSIR<br>Guest of Honor-1 Dr. Kishore Kumar Sadasivuni<br>Professor, Center for Advanced Materials, Qatar University, Qatar &<br>Managing Director, Journal of Emergent Materials (Springer)<br>Guest of Honor-2 Dr. Badrul Hisham Ahmad<br>Professor, Universiti Teknikal Malaysia (UTeM), Malaysia |
| 11:00 am - 11:30 am                           | High Tea   |
| 11:30 am- 1:00 pm<br>(JC Bose Auditorium)     | Keynote Talk-1<br>Dr. Kishore Kumar Sadasivuni<br>Professor, Center for Advanced Materials, Qatar University, Qatar<br>Keynote Talk-2<br>Prof. Badrul Hisham Ahmad<br>Universiti Teknikal Malaysia (UTeM), Malaysia  |
| 1:00 pm-2:00 pm                               | Lunch Break  |
| 2:00 pm-3:30 pm<br>(JC Bose Auditorium)       | Invited Talk: 1 Dr. Balwinder Raj, Associate Professor, NITTTR<br>Chandigarh<br>Session Chair: Prof. Vipin Kumar Jain, JKLU Jaipur<br>Paper Presentation ID: 13,19, 22, 23, 24, 25, 27,28,29   |
| 3:30 pm -3:45 pm                              | Evening Tea  |
| 3:45 pm - 5:00 pm<br>(JC Bose Auditorium)     | Invited Talk: 2 Dr. Dinesh Yadav, Secretary IETE Jaipur Centre<br>Session Chair: Prof. Kanad Ray, Amity University, Jaipur<br>Paper Presentation ID: 15,16, 38, 40, 42,47, 49, 50, 57, 65  |
| 5:00 pm – 5:30 pm                             | Evening Tea  |

| Day 2: January 18, 2020 (Saturday)          |  |
|---|--|
| 8:00 am- 8:30 am                            | Breakfast  |
| 8:30am - 10:00 am<br>(J C Bose Auditorium)  | Invited Talk 3: Dr. Mohan Singh Mehata, Delhi Technological University<br>Session Chair 3: Prof. Manish Tiwari, Chairman IETE Jaipur Centre<br>Paper Presentation ID: 6, 11, 14, 21, 58, 59, 60, 61,62, 63, 71 |
| 10:00 am -10:15 am                          | Tea Break  |
| 10:15 am – 11:45 am<br>(JC Bose Auditorium) | Invited Talk: 4: Prof M. Salim, MNIT, Jaipur<br>Session Chair 4: Prof. S. N. Vijayvargiya, SKIT Jaipur<br>Paper Presentation (ID): 1, 7, 17, 46, 67, 68, 72, 73, 75, 76  |
| 11:45 am - 1:30 pm<br>(J C Bose Auditorium) | Invited Talk: 5: Dr. Praveen Kumar, AcSIR, Kolkata<br>Session Chair 5: Dr. Shilpi Birla, Manipal University Jaipur<br>Paper Presentation ID: 12, 18, 37, 39, 43, 44, 45, 53, 54, 56, 66, 70, 32                |
| 1:30 – 2:15                                 | Lunch Break  |
| 2.15 pm - 3:30 pm<br>(J C Bose Auditorium)  | Invited Talk 6: Prof. Ghanshyam Singh, MNIT Jaipur<br>Session Chair 6: Prof S. K Bhatnagar, Director Research, SKIT<br>Paper Presentation ID: 30, 31, 33, 35, 41, 48, 55, 64, 74, 77, 78                       |
| 3:30 pm- 4:00 pm                            | Conference Report ( Dr. Praveen K Jain, Convener ICANCT-2020)  |

- d. Attainment of the activity:** The conference achieved all expected outcomes and objectives
- e. Recommendations:** Such conferences are recommended for future as it is very beneficial for students, faculties, researchers, scholars in the field of advancements in nano-electronics and communication technology.

#### 4. Enclosures

- a. Brochure:**



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Shri Surja Ram Meel, Chairman SKIT

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Mr. Shobi Bagga, RTU Kota  
Ms. Sanju Tanwar, RTU Kota

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Prof. Mukesh Gupta, Head, CS Dept., SKIT  
Prof. L. N. Dutt, Head, CE Dept., SKIT  
Prof. Rohit Mukherjee, In-charge I Year, SKIT  
Prof. Savita Choudhary, MBA, SKIT  
Dr. Dheeraj Joshi, Head, ME Dept., SKIT  
Dr. D. R. Chitara, Head, EE Dept., SKIT

#### Convener

Dr. Mukesh Arora  
Professor and Head  
Department of ECE, SKIT

Dr. Praveen K Jain  
Professor  
Department of ECE, SKIT

#### Co-Convener

Dr. Monika Mathur, Associate Professor-ECE, SKIT  
Dr. Swati Arora, Associate Professor-ECE, SKIT  
Dr. Rukhsar Zafar, Associate Professor-ECE, SKIT

#### Organizing Secretary

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Mr. Jayprakash Vijay, Associate Professor-ECE, SKIT  
Ms. Kiran Rath, Associate Professor-ECE, SKIT  
Dr. Rishi Vyas, Associate Professor-Physics, SKIT

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Ms. Urvashi Shukla, Assistant Professor-ECE, SKIT  
Mr. Vikas Pathak, Associate Professor-ECE, SKIT

### IETE- Jaipur Centre and SKIT Sponsor: International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2020)

(January 17-18, 2020)

Organized by:



Department of Electronics and Communication Engineering  
Swami Keshvanand Institute of Technology,  
Management & Gramothan,  
Ramnagar, Jagatpura Jaipur, India  
Email: [info@skit.ac.in](mailto:info@skit.ac.in), Web: [www.skit.ac.in](http://www.skit.ac.in)

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(Student Chapters)



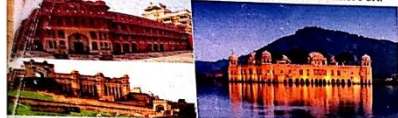
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Jaipur is the largest city of the Indian state of Rajasthan. Jaipur is 167 miles (269 km) from the National Capital New Delhi. Jaipur is the best destination in India and forms a part of the west Golden circuit along with Delhi and Agra (240 km, 149 mi). It is home to 10 World Heritage Sites - the Jantar Mantar and the Amer Fort.



**Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT)**  
Jaipur was established in the year 2000, by a team of committed professionals and academicians. The institute is affiliated to the Rajasthan Technical University, Kota and approved by All India Council for Technical Education (AICTE), New Delhi. SKIT is Ranked No. 1 Engineering College (Rajasthan) declared by Rajasthan Technical University, Kota. SKIT is one of the best institutions not only in Rajasthan but also in North India. The institute offers 4 year B. Tech. & 2 year M. Tech & MBA Programme. The SKIT is approved research centre for Ph.D. programs in EE, ECE & CSE departments. The various UG courses of the institute are accredited by National Board of Accreditation (NBA).



#### About Conference

Two-day International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2020) is being organized by Department of Electronics and Communication Engineering of Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur (India) during Jan 17-18, 2020. This conference aims at presenting current researches being carried out in the areas of Communication, Nano electronics, Photonics, Wireless Communication, Mobile Communications, Antenna and Wave Propagation and VLSI Technology. This scientific dialogue aims to provide a platform where scientists, researchers, academicians, industry experts, new aspirants as well as students of science and technology can come together and engage in fruitful exchange of views and ideas to pave way in the field of "Nano electronics and Communication Technologies". 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.

#### Invited Speaker

Dr. Kishore Kumar Sadashivuni  
Professor, Center for Advanced Materials, Qatar University, Qatar & Managing Director, Journal of Emergent Materials (Springer)  
Dr. Badrul Hisham Ahmad  
Professor, Universiti Teknikal Malaysia (UTeM), Malaysia  
Dr. Pooja Sharma  
Sr. Scientist, CSIR- Central Scientific Instruments Organization  
Ministry of Science and Technology, Government of India, Chandigarh  
Dr. Mohammad Salim  
Professor, Department of Electronics and Communication Engineering, Malaviya National Institute of Technology, Jaipur  
Dr. Ghanshyam Singh  
Professor, Department of Electronics and Communication Engineering, Malaviya National Institute of Technology, Jaipur  
Dr. D. S. Patil  
Professor, Department of Electronics  
North Maharashtra University, Jalgaon  
Dr. Balwinder Raj  
Associate Professor, Department of Electronics and Communication Engineering, National Institute of Technology Jalandhar  
Dr. Mohan S. Nehra  
Associate Professor, Delhi Technological University, New Delhi  
Dr. Praveen Kumar  
Assistant Professor, Department of Materials Science IACS, Kolkata  
Chair, Marie Curie Alumni Association (MCAA) Indian Chapter

#### Themes of Conference

Papers are invited in the following areas of interest, but not limited to:

- Communication Engineering
- Signal and Image Processing
- Communication Networks
- Wireless Communication
- Arrays of Antenna
- Performance of Mobile and Wireless Networks & Systems
- Microstrip and Printed Antenna
- Smart, MIMO and Nano Antenna
- Optical Signal Processing
- Advances in Optical Networking
- Photonic Communication
- Systems and Network
- Integrated Photonics
- Energy-efficient Optical Communication
- Optical Fibers and Devices for Optical Communication
- Nano Electronic Device
- Nano Structures
- Nano Medical Devices
- Nanotechnology Applications
- Biomedical Nano Materials
- Nano Composites

#### IMPORTANT DATES

- Paper Submission Open: October 18, 2019
- Deadline for Abstract Submission: December 15, 2019
- Notification of Acceptance: December 18, 2019
- Camera Ready Paper Submission Deadline: December 24, 2019
- Deadline for Registration: January 05, 2020
- Commencement of Conference: January 17-18, 2020
- For More Details visit [www.icanct2020.skit.ac.in](http://www.icanct2020.skit.ac.in)
- Paper Submission Link: <https://easychair.org/conferences/7conf-icanct2020> (EasyChair)

### Registration Form Advancements in Nanoelectronics and Communication Technologies "ICANCT-2020"

1. Name .....
2. Designation .....
3. Organization .....
4. Email .....
5. Mobile .....
6. Presenting Paper: Yes/No  
If Yes, Paper ID: .....
7. Accommodation Required: Yes/ No  
If Yes, No of Persons .....  
Date and Time of arrival .....
8. Payment Details:  
NEFT/RTGS/ DD/ Cash .....
- Name of Bank: .....
- Branch: .....
- Transaction Id: .....

Registration fee can be paid via online transfer to  
Account Name: Swami Keshvanand Institute of Technology  
Bank Name: HDFC Bank  
Branch: VILLA STATION, JAIPUR  
A/C No: 501002000092582  
IFSC Code: HDFC00001329  
(Please Mail your transaction receipt on [icanct2020@skit.ac.in](mailto:icanct2020@skit.ac.in))

Signature of Applicant

| Registration Amount         |          |           |
|-----------------------------|----------|-----------|
| Category                    | Indian   | Foreigner |
| B.Tech Students             | Rs. 1500 | \$ 30     |
| PhD Scholar/ MTech Students | Rs. 2500 | \$ 50     |
| Academicians                | Rs. 3000 | \$ 80     |
| Industry Person             | Rs. 5000 | \$ 100    |

Note: 10% Discount will be given for IETE Members.

b. Detail of funding if any:

c. Souvenir: (A sample page of souvenir)

## ABOUT DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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The department started academic activities in the year 2000-01 with the admission of its first batch of undergraduates. The department offers B.Tech (Electronics and Communication Engg.), M.Tech. (Digital Communication and VLSI) courses, and Ph.D. (Electronics and Communication). The department has modern laboratories developed and designed from the perspective of the latest requirements of academia. Consistent pursuit of excellence by the department is clearly reflected in the fact that the department has already been accredited and re-accredited by National Board of Accreditation (NBA) (India).

The stand that the term 'electronics' occupies in the vast realm of communication manifests the in-depth assimilation of the idea, "where we were and where we are now". This idea comes alive through all products and services like mobile phones, i-pods, and also through the design and application of electronic devices, circuit and systems, signal processing, and communication that Electronics & Communication Engineering encompasses. Moreover, it is an integral part of the wide range of artifacts and systems, from CD players and computers to radar and aircraft. The Department of Electronics and Communication Engineering at SKIT, while imparting the curriculum knowledge, works on the principle of bringing forth insightful improvements in all the products and services of the specified field.

### *Vision of the Department:*

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To make the department a center of excellence in electronics and communication engineering.

### *Mission of the Department*

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To provide the students an environment for understanding basics of electronics and communication engineering and to prepare the students for their professional careers.

*Department of ECE, Shri Sai Krishnashree Institute of Technology, Management & Gramothan, Jagpur*

- d. **Proceedings:** Elsevier proceedings as available online
- e. **Photographs:** Some Glimpses of Event





## Media Coverage:

News of this event was covered by different Newspapers. Some newspaper cuttings

**नैनो इलेक्ट्रॉनिक्स एवं कम्यूनिकेशन पर कॉन्फ्रेंस शुरू**

# आपकी सांस बताएगी शरीर में मौजूद ग्लूकोज की मात्रा



**पत्रिका PLUS रिपोर्ट**

**नैनो चिप नापेगी शरीर के उतार-चढ़ाव**

जयपुर • एक भिन्न के आकार की जैविक चिप शरीर में होने वाले सभी परिवर्तन एवं उतार चढ़ाव को माप सकती है। नैनो इलेक्ट्रॉनिक्स से जुड़ी कुछ ऐसे ही इवेंट्स को स्टूडेंट्स के सामने एक्सपर्ट्स ने रखा। मौका था जगतपुरा स्थित स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी में नैनो इलेक्ट्रॉनिक्स एंड कम्यूनिकेशन टेक्नोलॉजी विषय में हो रहे इन्वेंशन पर आयोजित कॉन्फ्रेंस का। कॉन्फ्रेंस में देशभर से हजारों स्टूडेंट्स ने शिरकत की। पहले दिन विभिन्न सत्रों के दौरान इंटरनेशनल एक्सपर्ट्स ने फाइव जी टेक्नोलॉजी, सेंसर टेक्नोलॉजी, लाइफ साइंस, नैनो टेक्नोलॉजी इन मीडिकल एंड हेल्थ, रिकॉर्ड

मलेशिया से आए एक्सपर्ट्स ने कहा कि एक एमएम के आकार की नैनो टेक्नोलॉजी पर आधारित जैविक चिप को यदि शरीर में डाल दिया जाए तो यह सेंसर के माध्यम से शरीर के बीपी, शुगर, हार्ट बीट, तापमान, किडनी-लीवर फंक्शन को मॉनिटर कर सकती है। यूएसए में वर्तमान में कई स्थानों पर इसका सफलता पूर्वक

उपयोग किया जा रहा है। एक्स ने बताया कि यूएसए में वर्तमान तरह की नैनो टेक्नोलॉजी पर आधारित मशीनों पर काम चल रहा है जो कि सिर्फ सांसो से ही शरीर ग्लूकोज की मात्रा बता देती है। ही रिकॉर्ड वेब प्रोग्रेशन इस तरह कि व्यक्ति अपनी सांसो के सेंसर बैठे व्यक्ति को भेज सकता है।

मलेशिया के टैक्निकल युनिवर्सिटी के प्रोफेसर अहमद, एक्सके निदेशक रिसर्च एक्सके भटनाग अन्य वक्ताओं ने संबोधित किया कि निदेशक जयपाल मील ने पैनल का स्वागत किया।

**CAMPUS इनसाइडर**

**‘नैनो इलेक्ट्रॉनिक्स एंड कम्यूनिकेशन टेक्नोलॉजी’ पर चल रहे इंटरनेशनल कॉन्फ्रेंस में दी गई जानकारी**

## आर्टिफिशियल इंटेलीजेंस से हल हो रही हैं मुश्किल समस्याएं



**सिटी रिपोर्टर - जयपुर**

**सस्टेनेबल डेवलपमेंट गोलस-2030 कॉन्फ्रेंस का समापन**

आर्टिफिशियल इंटेलीजेंस आम आदमी की बुद्धि को तर्ज पर काम करता है। इसकी मदद से मुश्किल समस्याओं को हल किया जा रहा है। ये नैनोटेक्नोलॉजी पर आधारित तकनीक है। यह जानकारी स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी (एस्केआईटी) में नैनो इलेक्ट्रॉनिक्स एंड कम्यूनिकेशन टेक्नोलॉजी टॉपिक पर चल रहे इंटरनेशनल कॉन्फ्रेंस में दी गई। एक्सपर्ट ने आर्टिफिशियल इंटेलीजेंस, एर कंट्रोल, मोबाइल कम्यूनिकेशन, क्वांटम एलईडी और ऑर्गेनिक एलईडी पर रिसर्च बताई। प्रोग्राम कनवीनर मुकेश अरोड़ा ने कम्यूनिकेशन व इलेक्ट्रॉनिक्स पर देश व विदेश में चल रही रिसर्च पर प्रजेंटेशन दिया। दिल्ली टेक्निकल युनिवर्सिटी के प्रो मोहम्मद यूसी ने मोबाइल कम्यूनिकेशन, एमएनआईटी के प्रो चनश्याम सिंह सहित अन्य वक्ताओं ने स्टूडेंट्स को संबोधित किया। निदेशक जयपाल मील व प्रिंसिपल डॉ रमेश कुमार पंचर ने विभिन्न सेशन में चर्चा की।

सस्टेनेबल डेवलपमेंट गोलस-2030 आइडियाज एंड इनिवेशन फॉर बेटर टुमोरो के उद्देश्य से सेंट विलफ्रेडस पी.जी.कॉलेज व ग्राम रूट एंपावरमेंट एंड डेवलपमेंट बॉय वूथ संस्थान की ओर से आयोजित व आई.सी.एस.एस.आर दिल्ली के सहयोग हुई कॉन्फ्रेंस का समापन हुआ। समापन समारोह में चीफ गेस्ट सेंट्रल युनिवर्सिटी ऑफ चाइना के एडजुट प्रो. प्रभत दत्ता, इंडियन इंस्टीट्यूट ऑफ पब्लिक एडमिनिस्ट्रेशन के प्रो. वी.एन.आलोक, मिजोरम युनिवर्सिटी के फॉर्मर वाइस चांसलर प्रो. अरविंद कुमार शर्मा, स्पेशल गेस्ट हिमाचल प्रदेश युनिवर्सिटी के स्पेशल साइंस डिपार्टमेंट के डीन प्रो. रंजीव महाजन, सीनियर आरएएम डॉ. जी.एल. शर्मा, गवर्नमेंट कॉलेज सीकर की डॉ. चंद्र कंवर, कॉन्फ्रेंस के संरक्षक डॉ. केशव बड़वाया व आयोजन सचिव प्रो. इंद्रजीत सिंह सोदी उपस्थित थे।

are as follows:

## सांसे बताएंगी शरीर में ग्लूकोज की मात्रा

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- > - एक्सपर्ट्स ने कहा, माइक्रो से नैनो की ओर जा रही तकनीक, 1000 गुना ज्यादा तेज होंगे परिणाम
- > - एक्सपर्ट्स ने कहा नो सेंसर, नो ऑटोमेशन। नैनो तकनीक से पसीने के सेंसर से भी सकती है कई जांचे
- > - वक्ताओं ने नैनो तकनीक पर आधारित हैरान करने वाले उपकरणों के बारे में स्टूडेंट्स को बताया





**सिटी रिपोर्टर** | जगतपुरा स्थित स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी (एसकेआईटी) में नैनोइलेक्ट्रॉनिक्स एंड कम्यूनिकेशन टेक्नोलॉजी पर दो दिवसीय इंटरनेशनल कांफ्रेंस में देश भर के स्टूडेंट्स पार्टिसिपेट कर रहे हैं। फाइव जी टेक्नोलॉजी, सेंसरस टेक्नोलॉजी, लाइफ साइंस, नैनो टेक्नोलॉजी इन मेडिकल एंड हेल्थ, स्काई वेव प्रोपेगेशन आदि पर चर्चा हो रही है, जिसमें कतर यूनिवर्सिटी के प्रोफेसर किशोर कुमार सदासिवयूनि, मलेशिया के यूनिवर्सिटी तकनीक से बादरूल हिंसाम अहमद, एसकेआईटी के निदेशक रिसर्च डॉ एसके भटनागर ने टॉपिक के बारे में जानकारी दी। निदेशक जयपाल मील ने पैनल से चर्चा की। मलेशिया के एक्सपर्ट ने कहा, एक एमएम के आकार की नैनो टेक्नोलॉजी पर आधारित जैविक चिप को शरीर में डाल दिया जाए तो यह सेंसरस से शरीर के बीपी, शुगर, हार्ट बीट, तापमान, किडनी-लीवर को मॉनिटर कर सकती है।

**सिटी रिपोर्टर** | जगतपुरा स्थित स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी (एसकेआईटी) में नैनोइलेक्ट्रॉनिक्स एंड कम्यूनिकेशन टेक्नोलॉजी पर दो दिवसीय इंटरनेशनल कांफ्रेंस में देश भर के स्टूडेंट्स पार्टिसिपेट कर रहे हैं। फाइव जी टेक्नोलॉजी, सेंसरस टेक्नोलॉजी, लाइफ साइंस, नैनो टेक्नोलॉजी इन मेडिकल एंड हेल्थ, स्काई वेव प्रोपेगेशन आदि पर चर्चा हो रही है, जिसमें कतर यूनिवर्सिटी के प्रोफेसर किशोर कुमार सदासिवयूनि, मलेशिया के यूनिवर्सिटी तकनीक से बादरूल हिंसाम अहमद, एसकेआईटी के निदेशक रिसर्च डॉ एसके भटनागर ने टॉपिक के बारे में जानकारी दी। निदेशक जयपाल मील ने पैनल से चर्चा की। मलेशिया के एक्सपर्ट ने कहा, एक एमएम के आकार की नैनो टेक्नोलॉजी पर आधारित जैविक चिप को शरीर में डाल दिया जाए तो यह सेंसरस से शरीर के बीपी, शुगर, हार्ट बीट, तापमान, किडनी-लीवर को मॉनिटर कर सकती है।

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## माइक्रो से नैनो की तरफ जा रही तकनीक

डेली न्यूज, mix रिपोर्टर

जयपुर। एक मिमी के आकार की जैविक चिप शरीर में होने वाले सभी परिवर्तन एवं उत्तार-चढ़ाव को माप सकती है। नैनो इलेक्ट्रॉनिक्स से जुड़ी कुछ ऐसे ही इन्वेन्शंस को स्टूडेंट्स के सामने एक्सपर्ट्स ने रखा। मौका था जगतपुरा स्थित स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी (एसकेआईटी) में नैनो इलेक्ट्रॉनिक्स एंड कम्यूनिकेशन टेक्नोलॉजी विषय में हो रहे नवाचारों पर आयोजित दो दिवसीय इंटरनेशनल कॉन्फ्रेंस का। पहले दिन विभिन्न सत्रों के दौरान इंटरनेशनल एक्सपर्ट्स ने फाइव जी टेक्नोलॉजी, सेंसरस टेक्नोलॉजी, लाइफ साइंस, नैनो टेक्नोलॉजी इन मेडिकल एंड हेल्थ, स्काई वेव प्रोपेगेशन समेत नैनो तकनीक से जुड़े विभिन्न पहलुओं पर प्रकाश डाला। एक्सपर्ट्स पैनल में मुख्य रूप से कतर यूनिवर्सिटी के प्रोफेसर किशोर कुमार



सदासिवयूनि, मलेशिया के यूनिवर्सिटी तकनीक से बादरूल हिंसाम अहमद, एसकेआईटी के निदेशक रिसर्च डॉ. एसके भटनागर समेत अन्य वक्ताओं ने संबोधित किया। कॉलेज के निदेशक जयपाल मील ने एक्सपर्ट्स पैनल का स्वागत किया। मलेशिया से आए एक्सपर्ट्स ने कहा कि एक एमएम के आकार की नैनो टेक्नोलॉजी पर आधारित जैविक चिप को

### माइक्रो से नैनो की ओर तकनीक

वर्तमान में तकनीक माइक्रो से नैनो की ओर जा रही है। इससे परिणाम एवं सटीकता 1000 गुणा बढ़ जाएगी। 5 जी तकनीक भी इस नैनो का ही परिणाम है। उन्होंने नैनो तकनीक के माध्यम से ही सेंसर की प्रक्रिया बताई तथा कहा कि यदि सेंसर नहीं है तो ऑटोमेशन भी संभव नहीं है। इसके लिए वक्ताओं ने रोबोटिक्स तकनीक का उदाहरण दिया।

यदि शरीर में डाल दिया जाए तो यह सेंसरस बीट, तापमान, किडनी-लीवर फंक्शन के माध्यम से शरीर के बीपी, शुगर, हार्ट आदि को मॉनिटर कर सकती है।