



**A  
Report on**

**International Conference on**

**“Advancements in Smart Electronics, Materials and  
Communication Technologies”  
(ICASEMCT-2023)**

**February 17-18, 2023**

**Organized by**

**Department of Electronics & Communication Engg.**

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



## GENERAL CHAIR

**Prof. Mukesh Arora**  
**Head OFA & ECE, SKIT**

**Prof. Praveen K. Jain**  
**Dy. HoD, ECE, SKIT**

## CONVENERS

**Dr. Monika Mathur**

**Dr. Rukhsar Zafar**

## CO-CONVENER

**Dr. Swati Arora   Ms. Pooja Choudhary   Ms. Suman Sharma**

## ORGANIZING SECRETARY

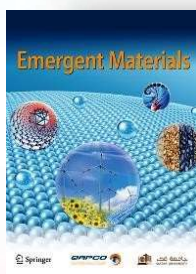
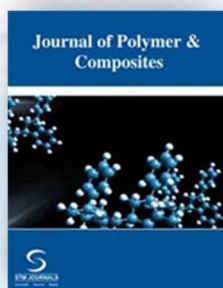
**Ms. Kiran Rathi**

**Ms. Manju Choudhary**

**Mr. Neeraj Jain**

**Mr. Abhinandan Jain**

## PUBLISHING PARTNERS



## TECHNICAL SPONSOR



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## Approval Letter

## Proposed Events to be Organize in the Session 2022-2023

Sr. No.	Type of Event	Title	Mode	Dates	Name of Coordinators	Any Collaboration	Budget Required
1	International Conference	Recent Advances in Electronics and Communication Technologies (RAECT-2022)	Hybrid	10-11 Feb 2023	Dr. Mukesh Arora	-	1,00,000/-
2	Lecture Series	Recent trends in Electronics and Communication 2.0	Hybrid	10-14 Oct, 2022	Ms. Kiran Rathi Ms. Suman Sharma Dr. Monika Mathur Dr. Vikas Pathak	-	25000/-
X	Lecture Series	Emerging Trends in Electronics Engineering (ETEE-2023)	Hybrid	March 6-10, 2023	Mr. Neeraj Jain Mr. Rahul Pandey Mr. Abhinandan Jain Mr. Sunil Lakshwat Mr. Lalit Lata	-	25000/- <i>Mukesh</i>
4	Workshop	Internet of Things	Hybrid	7-12 Nov. 2022	Dr. Praveen K Jain Ms. Anjana Sangwan Mr. Ankit Agarwal Ms. Pooja Choudhary Ms. Rashmi Dadhich Ms. Priyanka Sharma Mr. Pallav Rawal	CS Department, SKIT	25000/-
5	Workshop	Signal Processing using Python and MATLAB	Hybrid	16-21 Jan, 2023	Dr. Monika Mathur Ms. Kiran Rathi Mr. Harshal Nigam Dr. Shubhi Jain Ms. Rajni Idwal Mr. J. P. Vijay	-	25,000/-
6	FDP	SCILAB	Online	5-17 Dec. 2022	Ms. Priyanka Sharma Ms. Rajni Idwal	Spoken Tutorial, IIT Bombay	Nil
7	FDP	Smart Electronics and Materials (FDP-SEM1)	Hybrid	21-25 Nov. 2022	Dr. Rukhsar Zafar Dr. Swati Arora Ms. Manju Choudhary Ms. Pooja Choudhary	-	50,000/-
X	FDP	Mentoring skills, Counseling and guidance for faculties	Offline	19-23 Dec. 2022	Ms. Suman Sharma Ms. Kiran Rathi Ms. Namarata Saxena Mr. Dinesh Venna	-	50,000/- <i>Mukesh</i>

→ Events may be conducted in accordance to budget approved under head  
 training & travel yes permitted and forwarded to Rm. In/Prin for  
 approved conditionally for financial approval  
*Mukesh*  
 28.9.22

*Approved*  
*28/9/2022*  
 HOD-ECE *Mukesh*

## Collaboration Documents



Rukhsar Zafar <rzafar@skit.ac.in>

---

### Fwd: Proposal for organizing International Conference in association with CSIR-IMMT

---

Pooja Choudhary <pooja.choudhary@skit.ac.in>  
To: Rukhsar Zafar <rzafar@skit.ac.in>

Wed, Dec 7, 2022 at 1:39 AM

----- Forwarded message -----

From: **Togapur Pavan Kumar** <pavantogapur@immt.res.in>

Date: Mon, Nov 7, 2022 at 10:09 AM

Subject: Re: Proposal for organizing International Conference in association with CSIR-IMMT

To: pooja choudhary <pooja.choudhary@skit.ac.in>

Cc: <icasemct@skit.ac.in>

Dear Pooja,

Appreciate your efforts, you may please plan the program in joint association.

Best wishes,  
Pavan

---

Dr T Pavan Kumar, PhD, PGDPL (Patents Law-NALSAR)  
Senior Scientist - Chemistry & IP  
PME / Strategy Planning & Business Development-SPBD  
Coordinator- Intellectual Property & Convener - Business Development  
Convener & Manager - Innovative Technology Enabling Center (InTEC)  
Ethics Officer & Secretary - Standing Ethics Committee-SEC  
Coordinator-MAITRI; Coordinator -Monthly Dir-Staff Meeting  
CSIR-Institute of Minerals and Materials Technology (IMMT)  
[Sachivalaya Marg, Bhubaneswar - 751013](#)  
Mobile: 8008105781; Office: 0674-2379294  
Email: pavantogapur@immt.res.in / pa1togapur@gmail.com

---

**From:** "pooja choudhary" <pooja.choudhary@skit.ac.in>  
**To:** "Togapur Pavan Kumar" <pavantogapur@immt.res.in>  
**Cc:** icasemct@skit.ac.in  
**Sent:** Friday, November 4, 2022 10:35:09 AM  
**Subject:** Proposal for organizing International Conference in association with CSIR-IMMT

T. Pavan Kumar

Senior Scientist & Coordinator - MAITRI

CSIR-IMMT

Bhubaneswar

Dear Sir,

Greetings from SKIT!!

It gives me immense pleasure to inform you that Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur India is going to organize International Conference on



Advancements in Smart Electronics, Materials and Communication Technologies (ICASEMCT-2023) to be held on 17-18 February 2023.

This conference aims at presenting current researches being carried out in the areas of Communication, Nano electronics, Photonics, Wireless Communication, Mobile Communications, Internet of Things, Machine learning and Artificial Intelligence, 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 "Smart Electronics, Smart Materials and Communication Technologies" to find global partners for future collaboration.

**About Institute: Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT)** inspired from the learnings of Swami Keshvanand, was established in the year 2000 by Technocrats and Managers Society for Advanced Learning. Today the institute is recognized as one of the centers of academic excellence in Northern India. The Institute is affiliated to **Rajasthan Technical University, Kota** for offering Doctorate, Postgraduate and Graduate Courses in Engineering and Management. The institute is accredited with a grade **A++** scoring 3.67 grade points out of 4 in the first cycle of National Assessment and Accreditation Council (NAAC). It has also been ranked no. 1 by RTU, Kota continuously for the last five years.

**Therefore, we request you to give your consent to organize the conference in association with CSIR-IMMT: InTEC-MAITRI.**

**In this regard, we are seeking your permission.**

**Thank you in advance for any comment, idea or suggestion that you can offer towards the success of the conference.**

---

**Thank you in advance for any comment, idea or suggestion that you can offer towards the success of the conference.**

Waiting for your positive response.

Thanks and Regards,

**Pooja Choudhary**

**Co-Convener- ICASEMCT-2023**

Assistant Professor-II

Department of Electronics and Communication Engineering

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Development of Software/Design from specifications and walking on water is too easy; if both are freed.



Rukhsar Zafar <rzafar@skit.ac.in>

---

**Fwd: Request for the letter of approval of " Financial funding for the conference ICASEMCT -2023"**

---

Monika Mathur <monikamathur16@gmail.com>  
To: Rukhsar Zafar <rzafar@skit.ac.in>

Wed, Jan 18, 2023 at 2:41 PM

----- Forwarded message -----

From: **MAHESH KALA** <mahesh.kala@jvmicronics.com>  
Date: Mon, Jan 9, 2023 at 9:06 PM  
Subject: RE: Request for the letter of approval of " Financial funding for the conference ICASEMCT -2023"  
To: Monika Mathur <monikamathur16@gmail.com>  
Cc: Jyotsana Kala <jyotsana.kala@jvmicronics.com>, <operation1@jvmicronics.com>, gautam <accounts@jvmicronics.com>

Dear Dr. Monica Mathur,

We agree and confirm the financial support of Rs.10000.00 for the subject conference.

Please share the bank details for transfer along with invoice or relevant document .

Best Regards,

Mahesh Chand Kala

CEO



413, Sector -68

Industrial Model Township

Faridabad-121004, Haryana

Mob: +91-9811290428

TeleFax: +91-129-2977291

Website: [www.jvmicronics.com](http://www.jvmicronics.com)

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<https://mail.google.com/mail/u/1/?ik=47257195ba&view=pt&search=all&permmsgid=msg-f:1755350903801779109&simpl=msg-f:17553509038017791...> 1/3



Greetings!

*On behalf of the **Emergent Materials Journal, Springer**, we also would like to acknowledge our heartiest and kindest gratitude towards organizing committee of **International Conference on Advancements in Smart Electronics and Materials and Communication Technologies (ICASEMCT\_2023)** to be held between 17-18 Feb 2023, for bestowing us with the opportunity of this rewarding association. We also would like to extend a very hearty thanks to all for submitting their important work and sharing with us their findings and opinions. This alliance has successfully brought together a fresh set of innovative ideas and some brilliant collaborations.*

*We cannot thank everyone enough for their involvement and their willingness to take on the completion of tasks beyond their comfort zones.*

Best wishes

A handwritten signature in blue ink, appearing to read 'S. Kishor Kumar'.

Dr. Kishor Kumar Sadasivuni,  
Managing Editor, Emergent Materials, Springer.  
Research Assistant Professor  
Center for Advanced Materials,  
Building H10, Zone 6, Room E133, Qatar University, Qatar.  
M: +97450580237 T: +97444036686  
Email: [kishorkumars@qu.edu.qa](mailto:kishorkumars@qu.edu.qa)



## 4. Event Brochure

**SKIT**

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

Department of Electronics & Communication Engineering  
*Presents*

**International Conference on  
Advancements in Smart Electronics, Materials and  
Communication Technologies**

**ICASEMCT-2023**  
(February 17-18, 2023)

In Association With  
**CSIR-IMMT : InTEC-MAITRI, Bhubaneswar**

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### OVERVIEW

Two-day International Conference on "Advancements in Smart Electronics, Materials and Communication Technologies" (ICASEMCT-2023) is being organized by Department of Electronics and Communication Engineering of Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur (India) during February 17-18, 2023. 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, Machine learning and Artificial Intelligence, Antenna and Wave Propagation, researchers, academicians, industry experts, 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 "Smart Electronics, Smart Materials and Communication Technologies" for global partners for future collaboration.

### SCOPE OF CONFERENCE

- Smart Materials
- Image and Signal Processing
- Communication Networks
- Material Science
- Embedded Systems
- VLSI Low Power Design
- Wireless, Mobile Networks & Application
- Smart and MIMO Antennas
- Nanomaterials
- Optical Signal Processing
- Advances in Optical Networking
- Integrated Photonics
- High-speed Optical Communication
- Photonics and Plasmonics

- Optical Fibers and Devices for Optical Communications
- Solar Energy Technologies
- Optical Amplifiers and Sensors
- Remote Sensing
- Nano Technology
- Nano-electronic Devices
- Nanomedical Devices
- Nanotechnology Applications
- Biocompatible Nanomaterials
- Nanocomposites
- Internet of Things
- Machine-to-Machine Communications
- Optical Fiber based Sensors

**IMPORTANT DATES**

- 01-11-2022 Paper Submission Open
- 25-12-2022 Deadline for paper Submission
- 05-01-2023 Notification for Acceptance
- 06-01-2023 Registration Start
- 15-01-2023 Registrations Close
- 15-01-2023 Camera Ready Paper Submission
- 17-02-2023 Commencement of the Conference

**FEE DETAILS**

<https://icasemct.skrit.ac.in/registration.php>

**PAPER SUBMISSION**

Authors can submit paper of original research work through Easy Chair conference management system by using the following link:  
[easychair.org/conferences/7conf/icasemct2023](http://easychair.org/conferences/7conf/icasemct2023)

Template for paper :  
[icasemct.skrit.ac.in/images/jpr\\_template\\_2023.docx](http://icasemct.skrit.ac.in/images/jpr_template_2023.docx)

**PUBLICATION PARTNER**





Accepted papers will be published in Web of Science and ESCI Indexed Journal of Polymers and Composites or conference proceedings of ICASEMCT 2023 with ISBN no.

A few selected papers will be published in the journal (Emergent Materials) and SKIT research Journal after peer review process of publisher.

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 ITI Microelectronics

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Information Science & Technology Education and Research Society

 IEEE, Jaipur Centre

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Prof. Prasenjit K.Jain, ECE, SKIT

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Dr. Rishiwar Zafar, ECE Department, SKIT

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Ms. Simran Sharma, ECE Department, SKIT

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Mr. Himanshu Jain, ECE Department, SKIT

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Shri Raju Ram Meel

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Dr. Shashi Kant Sharma, IIT Kanpur  
Dr. Rajendra Kumar Mishra, IIT Kanpur  
Dr. Ashish Kumar Mishra, IIT Kanpur  
Dr. Chandrasekar Singh, Bangalore, Karnataka, India

 ICASEMCT@skit.ac.in

 ICASEMCT@skit.ac.in

## Schedule

Day 1: February 17, 2023 (Friday)	
9:30 am- 10:00 am	<b>Inauguration of Program</b> Chief Guest: Dr. P C Panchariya, Director-CSIR-CEERI Pilani Guest of Honor Prof. Mukesh Kumar, Professor & Head of Centre for Advanced Electronics, IIT Indore. Prof. Virendra Singh, Professor, Dept. of Electrical Engg. and Dept. of Computer Science & Engineering, IIT Bombay
10:00 am- 10:30 am	HIGH TEA
10:30 am- 11:15 am	<b>Keynote Talk ( online)</b> Dr. Phichai Youplao, RMUTI, Thailand.
11:15 am- 12:00	<b>Invited Talk 2</b> Dr. Ravi Maddila, Assistant Professor, MNIT Jaipur
12:00-1:30 pm	<b><u>Paper Presentation Session-1</u></b> Session Chair: Dr. Amit Garg, IIIT Kota <b>Paper ID: 8071,3312, 1001, 4555, 1490, 7831</b>
	<b><u>Paper Presentation Session-2</u></b> Session Chair: Dr. Sunanda Sinha, MNIT Jaipur Dr. Yogendra Gupta, SKIT Jaipur <b>Paper ID: 5187,4328,3047, 6201, 5596, 7721</b>
1:30 pm-2:10 pm	Lunch Break
2:15 pm-3:00 pm	<b>Invited Talk 3:</b> Prof. Mukesh Kumar IIT Indore, Professor and Head, CAE, IIT Indore
3:00 pm-3:45 pm	<b>Invited Talk 4:</b> Prof. Virendra Singh, Professor, Department of CSE, IIT Bombay
Day 2: February 18, 2022 (Saturday)	
09:30 am – 10:15 am	<b>Invited Talk-5: (Online)</b> Dr. Sanju Tiwari, VEC, Hyderabad

10:15-11:00 am	<b>Invited Talk-6: (Online)</b> Dr. Jai Vardhan, Assistant Professor, VIT (Amravati)
11:00 am – 1:00 pm	<b><u>Paper Presentation Session-3</u> (Online)</b> Session Chair: Dr. Sanjeev K. Metya, NIT AP Dr. Sanjeev Yadav(GEC, Ajmer) <b>Paper ID: 998, 4811, 3133, 8672, 7456, 1003, 1005,1007, 5841,4850</b> <b><u>Paper Presentation Session-4</u> (Online)</b> Session Chair: Dr. Jai Vardhan VIT (Amravati) Dr. Vinay Kanungo, SKIT Jaipur <b>Paper ID: 414, 7333, 1004, 4541, 103, 1002, 3248, 4876, 2569</b>
1:15 pm – 2:00 pm	<b>Invited Talk-7 (Online):</b> Dr. Tawfik Ismail, Director of WINC Research Center, Director of Wireless Technology Master Program, Nile University, Egypt
2:05 pm -2:30 pm	Valedictory Ceremony

## Invitation Letter



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

**Department of Electronics and Communication Engineering**

**invites**

**your benign presence**  
in the inaugural ceremony of

International Conference on  
**“Advancements in Smart Electronics, Materials and  
Communication Technologies” (ICASEMCT-2023)**

**Date: Feb 17, 2023    Timing: 9:30 am**

**Chief Guest**  
**Dr. P C Panchariya, Director-CSIR-CEERI Pilani**

**Guest of Honor**

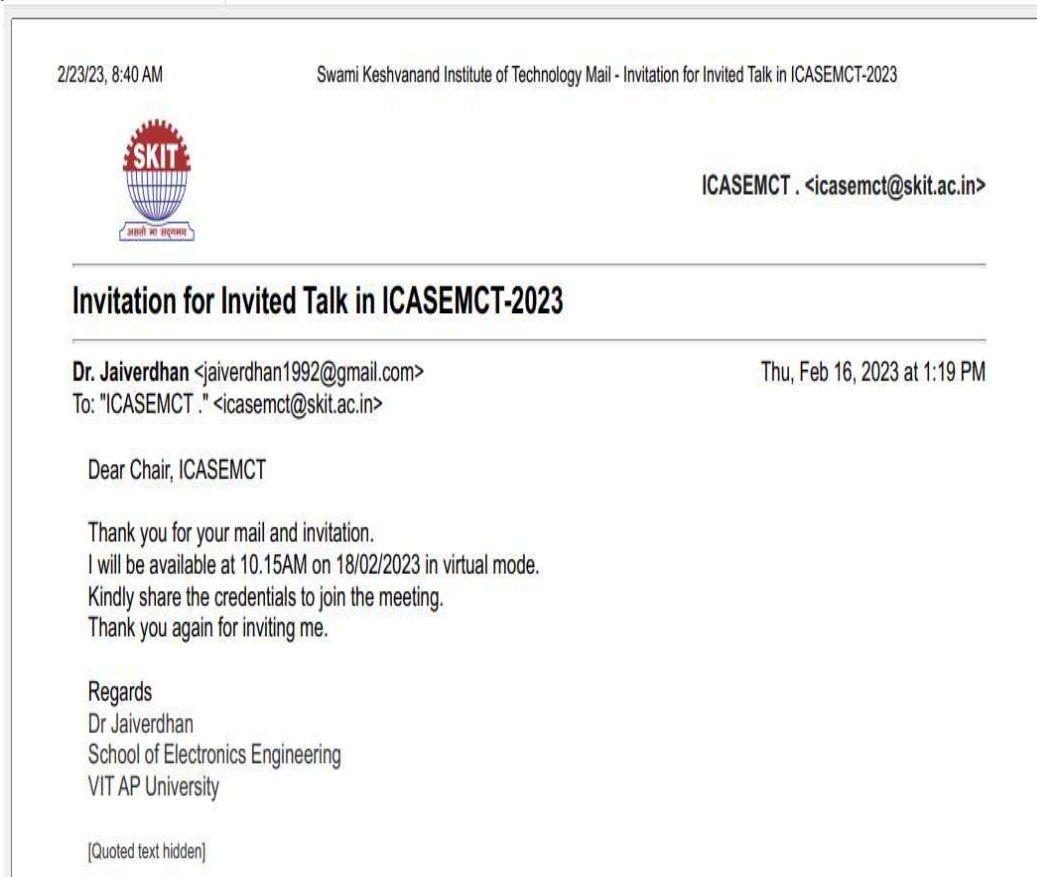
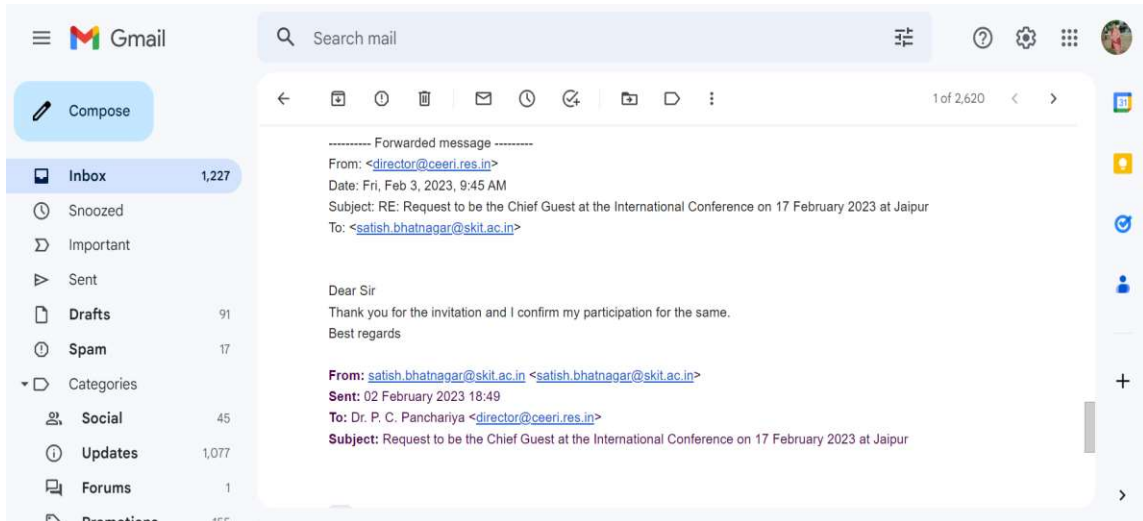
<b>Dr. Mukesh Kumar,</b> Professor & Head of Centre for Advanced Electronics, IIT Indore.	<b>Dr. Virendra Singh,</b> Professor, Dept. of Computer Science & Engineering, IIT Bombay
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## **List of Invited Guests and Speakers**

1. Prof. Virendra Singh, Professor, Dept. of Electrical Engg. and Dept. of Computer Science & Engineering, IIT Bombay
2. Dr. Phichai Youplao, RMUTI, Thailand
3. Dr. Ravi Maddila, Assistant Professor, MNIT Jaipur.
4. Prof. Mukesh Kumar IIT Indore, Professor and Head, CAE, IIT Indore
5. Dr. Sanju Tiwari, VCE, Hyderabad
6. Dr. Jai Vardhan, Assistant Professor, VIT (Amravati)
7. Dr. Tawfik Ismail, Director of WINC Research Center, Director of Wireless Technology Master Program, Nile University, Egypt



## Consent of the Speakers





Manju Choudhary &lt;manju.choudhary@skit.ac.in&gt;

**Fwd: [Ref: Prof. Ghanshyam Singh, MNIT India]; invited talk in international conference ICASEMCT 2023, SKIT Jaipur, India**

Rukhsar Zafar <rzafor@skit.ac.in>  
To: Manju Choudhary <manju.choudhary@skit.ac.in>

Thu, Feb 23, 2023 at 9:43 AM

## ----- Forwarded message -----

From: Rukhsar Zafar <rzafor@skit.ac.in>  
Date: Sun, Feb 12, 2023 at 10:49 PM  
Subject: Re: [Ref: Prof. Ghanshyam Singh, MNIT India]; invited talk in international conference ICASEMCT 2023, SKIT Jaipur, India  
To: Phichai Youplao <phichai.yo@rmuti.ac.th>

Dear Prof. Phichai

Greetings!  
Hope you are doing great.

I confirm to you that your keynote is scheduled at 10:30 am-11:15 am (IST ) on 17th Feb 2023.  
The link to join the event will be shared to you separately through webex.  
I request you to kindly join virtually 15 mins before the scheduled time, so that any issues of connectivity can be resolved timely.

I also request you to share your mobile no (preferably whatsapp no)

please feel free to contact in case of any query

regards and thanks  
Rukhsar  
(Mob: +91-8058318786)

On Wed, Feb 1, 2023 at 12:33 AM Phichai Youplao &lt;phichai.yo@rmuti.ac.th&gt; wrote:

Dear Prof. Rukhsar Zafar,

Thank you for your information.

I would like to confirm my keynote time as scheduled on 17th February 2023 at 10.30 (IST), corresponding to 12.00 (Thailand time).

Best regards,  
Phichai Youplao.

On Wed, Feb 1, 2023 at 3:16 PM Rukhsar Zafar &lt;rzafor@skit.ac.in&gt; wrote:

Dear Prof. Phichai

Greetings!  
Hope you are doing great.

Sir, May I schedule your keynote on 17th Feb 2023 at 10:30 am (IST).

regards  
Rukhsar Zafar

On Fri, Jan 6, 2023 at 1:01 AM Phichai Youplao &lt;phichai.yo@rmuti.ac.th&gt; wrote:

Dear Prof. Rukhsar,

<https://mail.google.com/mail/u/2/?ik=71e32b3ce7&view=pt&search=all&permmsgid=msg-f%3A1758588092745812986&simpl=msg-f%3A175858...> 1/2

2/23/23, 8:33 AM

Swami Keshvanand Institute of Technology Mail - Fwd: Invitation of ICASEMCT - 2023



Manju Choudhary &lt;manju.choudhary@skit.ac.in&gt;

**Fwd: Invitation of ICASEMCT - 2023**

Rukhsar Zafar <rzafar@skit.ac.in>  
 To: Manju Choudhary <manju.choudhary@skit.ac.in>

Thu, Feb 23, 2023 at 9:44 AM

----- Forwarded message -----

From: **Mukesh Kumar** <mukesh.kr@iiti.ac.in>  
 Date: Thu, Jan 5, 2023 at 10:18 PM  
 Subject: Re: Invitation of ICASEMCT - 2023  
 To: Rukhsar Zafar <rzafar@skit.ac.in>

Dear Dr. Rukhsar,  
 Thanks very much for the invitation. My talk will be on "Chip-scale Devices for Optical Communication and interconnects". Please find attached the required bio.

Warm regards,  
 Mukesh

On Thu, Jan 5, 2023 at 10:53 AM Rukhsar Zafar <rzafar@skit.ac.in> wrote:  
 Dear Prof Mukesh Kumar

Wishing you a very happy and Prosperous New Year!!  
 First of all, I want to thank you for accepting the invitation of invited (keynote) session in the international conference 'Advancements in Smart Electronics, Materials and Communication Technologies' (ICASEMCT-2023)' The conference is scheduled on 17-18 Feb 2023. And we have to complete the conference Souvenir.

In this regard, you are requested to send:  
 (1) one page graphical abstract of your invited talk to be published in a conference souvenir  
 (2) your brief bio

Thank you.

Regards

Rukhsar

 2023\_Profile\_MK\_EE.pdf  
 88K

2/23/23, 8:35 AM

Swami Keshvanand Institute of Technology Mail • Fwd: Seeking your kind consent for expert talk in ICASEMCT 2023



Manju Choudhary &lt;manju.choudhary@skit.ac.in&gt;

**Fwd: Seeking your kind consent for expert talk in ICASEMCT 2023**

Rukhsar Zafar &lt;rzafar@skit.ac.in&gt;

Thu, Feb 23, 2023 at 9:44 AM

To: Manju Choudhary &lt;manju.choudhary@skit.ac.in&gt;

----- Forwarded message -----

From: Ravi Maddila &lt;rmaddila.ece@mnit.ac.in&gt;

Date: Tue, Feb 14, 2023 at 9:37 AM

Subject: Re: Seeking your kind consent for expert talk in ICASEMCT 2023

To: Rukhsar Zafar &lt;rzafar@skit.ac.in&gt;

Dear Dr. Rukhsar,

I accept your kind invitation. I shall be speaking on 'Opportunities in optical wireless communications'.

I will try to attend the inaugural function. I shall be sending the brief cv tomorrow.

With best regards,

Dr. M. Ravi Kumar

Asst. Prof., ECE Dept.,

MNIT Jaipur

On Tue, 14 Feb, 2023, 8:26 pm Rukhsar Zafar, &lt;rzafar@skit.ac.in&gt; wrote:

**Dear Dr. Ravi Maddila****MNIT Jaipur**

Greetings from SKIT Jaipur !!!

It gives me immense pleasure to inform you that Department of ECE, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) Jaipur, India is going to organize an International Conference on "Advancements in Smart Electronics, Materials and Communication Technologies" (ICASEMCT 2023) to be held on 17-18 February 2023.

The main objective of the conference is to provide a platform to exchange information and new advancements of the concerning fields among different groups. The conference will be organized in hybrid (online and offline) mode.

**In this regard, I am pleased to invite you for the expert talk in (ICASEMCT 2023). Your expertise and experience in this field of work will be an excellent addition to our program as many of our participants will look forward to hearing and learning from your work**

**Date and timing of the talk is 17th Feb 2023 (Timing: 11:15 am)**

**Please share the title of the talk and one page CV.**

You are also welcome for the inaugural ceremony of the aforesaid conference on 17th Feb 2023 at 9:30 am.

Thank you in advance for any comment, idea or suggestion that you can offer towards the success of the conference.

Please spare some time from your busy schedule to enlighten us with your knowledge.

for further details: <https://icasemct.skit.ac.in/>

Thank you

regards

<https://mail.google.com/mail/u/2/?ik=71e32b3ce7&view=pt&search=all&permmsgid=msg-f%3A1758588130457334956&siml=msg-f%3A175858...> 1/2

**Fwd: invitation of ICASEMCT-2023**

**Dr. Monika Mathur** <monikamathur@skit.ac.in>  
 To: manjuchoudharymec@gmail.com

Thu, Feb 23, 2023 at 8:51 AM

----- Forwarded message -----

From: **Sanju Tiwari** <tiwarisanju18@ieee.org>  
 Date: Fri, Jan 13, 2023, 11:29  
 Subject: Re: invitation of ICASEMCT-2023  
 To: Dr. Monika Mathur <monikamathur@skit.ac.in>  
 Cc: <sanju.tiwari@uat.edu.mx>

Dear Monika

I am honored to accept the invitation.  
 Please find my Bio: <https://sites.google.com/view/growwithknowledge/home?authuser=0&pli=1>  
 I will share you Talk title and abstract shortly.

Thank You

On Fri, Jan 13, 2023 at 11:02 AM Dr. Monika Mathur <monikamathur@skit.ac.in> wrote:

Dear Prof Tiwari

Wishing you a very happy and Prosperous New Year!!  
 First of all, I want to thank you for accepting the invitation of invited (keynote) session at the international conference 'Advancements in Smart Electronics, Materials and Communication Technologies' (ICASEMCT-2023)' The conference is scheduled on 17-18 Feb 2023. And we have to complete the conference Souvenir.

In this regard, you are requested to send:  
 (1) one page graphical abstract of your invited talk to be published in a conference souvenir  
 (2) your brief bio

Thank you.

Regards

Dr. Monika Mathur

--

Best Regards  
 Regards  
 Dr. Sanju Tiwari (PhD, Post-Doc), SMIEEE  
 Sr. Researcher, Universidad Autonoma de Tamaulipas, Mexico  
 Visiting Researcher, InfAI, Leipzig University, Germany  
 DAAD Post-Doc-Net AI Fellow  
 Speaker on Women Empowerment (IEEE, IETE, NWIT)  
 General Chair **KGSWC-2022** (Third Indo-American Conference)  
<http://www.kgswc.org/>

"Do what you Love, Love what you do"



## List of Paper Accepted

Registered Author	Paper Id	Title
Renu Sharma and Ravi K. Maddila	8071	Investigation of electro-optical characteristic and Structure optimization of PMMA:Bepq2/BCP/Tpbi blue high efficient OLED device
Jyoti Yadav, Suman Sharma and Mukesh Arora	3312	A Microstrip Patch Antenna with DGS in Ka Band for 5G Applications
Kumari Renu	1001	The electric power system of the future is a 'smart grid'
Yazusha Sharma and Rukhsar Zafar	4555	Comparative Study of Silver and Gold Based Plasmonic Refractive Index Sensor
Chitra Dhakar and Devendra Kumar Doda	1490	A parametric Approach for Decision Making of Low-Carbon Building Envelope Design
Manoj Tripathi, Avita Agarwal, Nabisab Mujawar Mubarak, Krishna Kumar Pandey and Mona Bhatnagar	7831	Enhanced thermal stability and thermophysical properties of high density polyethylene based polymer composite synthesized through compression moulding route
Divya Bharadwaj, Jayprakash Vijay and Monika Mathur	5187	Impact Of Mole Concentration and Well Width on Band Gap and Optical Response of GaInP/AlGaInP Heterostructure
Rajni Idiwal, Harshal Nigam and Monika Mathur	4328	A Comparative Analysis of Graphene based Terahertz Reconfigurable Antennas: A Review
Tarun Naruka and Dr Ramesh Kumar Pachar	3047	Comparative Analysis of Non-Isolated Boost Type DC-DC Converters for PV-based Application
Shubhi Jain, Priyanka Jain and Shivam Choudhary	6201	Effects of Parasitic Elements in Microstrip Patch Antenna
Noorjabeen, Vikas Pathak, Rahul Vijay and Kiran Rathi	5596	VLSI Implementation of Swarm Unit for PSO Algorithm
Kishan Kumar Das, Vikas Pathak, Neeraj Jain, Mamta Jain and Sunil Lakhawat	7721	Hardware Implementation of Notch IIR filter
Jaiveer Singh and Vivek Kumar Jain	998	Structural, Electronic and Optical Properties of ZnO material using first principle calculation
Ben Salem Banguena. E.	4811	Exactly-once Stream Processing, High-throughput and Low-latency with Apache Flink <sup>TM</sup>
Shrabani Guhathakurata, Nabin Baran Manik and Sandipan Mallik	3133	A biodegradable transparent substrate from waste materials towards flexible and transient electronics applications

Pranshu Singh Rawat, Mukur Gupta and Manish Srivastava	8672	Optimization of energy storage for renewable energy sources: a brief overview
Mahashree Tamta and Sandeep Jain	7456	A review paper on detection of Power Quality Disturbances Using Wavelet Transform
Pooja Choudhary	1003	Smart Energy meter-Review
Sarjana Borana	1005	GWO Based Optimal Allocation of Shunt Capacitor for minimizing Overall Cost of Distribution Systems
Swati Arora	1007	
Amol Wable, S. B. Patil, S. S. Pardeshi, ...	5841	FE and Experimental Investigation of Thermal Analysis of Friction Stir Process
Prati Jain	4850	Innovative Security Technology for KYC Documents Record Maintenance
Renu Sharma and Ravi K. Maddila	414	Analysis of electro-optical Parameters for cobalt blue high efficient Organic Light-Emitting Diode Device Structure
Suman Sharma and Mukesh Kumar	7333	Design and analysis of a compact size 4-element MIMO antenna for millimeter wave 5G communication system.
Kiran Rathi	1004	Quantum Dots: A review
Abhinandan Jain, Lalit Kumar Lata and Dr. Praveen Kumar Jain	4541	Tin oxide (SnO <sub>2</sub> ) based Thin Film Transistor: A Review
Manju Choudhary	103	Effect of dielectric and Active layer thickness on Thin Film Transistors Characteristics
Dinesh Kumar	1002	Design and development a touch and hand sanitizer dispenser Machine
Priyanka Sharma and Rukhsar Zafar	3248	A Study of Deutsch Jozsa Algorithm on Computational Basis
Vinita Mirdha, Dr. Deepak Bhatnagar, Virender Kumar Saxena and Brajraj Sharma	4876	Circularly Polarized Patch Antenna with Gain Enhancement using Reflector
Jyoti Srivastava, Jay Prakash and Rahul Chakravorty	2569	A Review of Stateless Opportunistic Forwarding Analysis of Latency in Intermittently Connected Networks

## Objective and Outcome of the event

### Objective of the Conference:

- To bring together leading academicians, researchers and research scholars to exchange and share their experiences and research results on all aspects of Electronics, Materials and communication technology.
- To provide a good learning platform to the students, research scholars and faculty to exchange views and share information with National and International experts who are deeply involved in research in the field of Smart Electronics and Communication technologies.
- To encompass 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.
- 

### Outcomes:

The conference was an initiative to provide a common platform for researchers working in the field of Electronics, materials and communication to share knowledge and ideas for technological advancements. The participants were able to understand the need of today to combine different ideas of researchers working in different domains to develop cost-effective and reliable technology for day-to-day life.

This conference brought a positive transformation in the participant's attitude about their research work and get them more focused as well as result oriented. Conference provided an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

## Technical Report

Two day International conference (ICASEMCT-2023) was organized by the department of Electronics and Communication Engineering, SKIT Jaipur in association with CSIR-IMMT, InTEC-MAITRI Bhubaneswar. The conference was technically sponsored by IRIS-WORLD, JV Micronics and IETE Jaipur Center. ICASEMCT 2023 was inaugurated in the benign presence of Chief Guest Dr. P.C. Panchariya Director CSIR-CEERI Pilani, and Guest of honor Prof. Mukesh Kumar Professor IIT Indore and Prof. Virendra Singh, IIT Bombay on February 17, 2023. The Souvenir was unveiled by Dr. S.L. Surana, Director (Academics), SKIT, Dr. S.K. Bhatnagar, Director (Research), SKIT, Dr. Mukesh Arora, Head ECE Department, SKIT, Dr. P C Panchariya, Prof. Mukesh Kumar and, Prof. Virendra Singh.

Dr. P.C. Panchariya CSIR-CEERI Pilani brief about progress in semiconductor chips. He also enlightened the participants about development of Smart Materials. Journal of Polymer and Composite, **Journal of Emergent Materials** (Springer) and **SKIT Research Journal** graciously accepted to be publication partners of ICASEMCT-2023. Conference papers of original & unpublished research work under the scope of the journal were published by these journals after peer review process. The first day of conference was enlightened by Dr. Phichai Youplao, RMUTI, Thailand and he delivered a keynote lecture on quantum key distribution. Dr. Ravi Maddila MNIT Jaipur as the invited speaker highlighted the importance of Opportunities in optical wireless communications. The next two sessions were paper presentations. Dr. Amit Garg, Assistant Professor, IIIT Kota, Dr. Sunand Sinha, Asst. Prof., MNIT Jaipur and Dr. Yogendra Gupta, SKIT Jaipur were the session chairs of the sessions. The next technical sessions were engaged by Prof. Mukesh Kumar, IIT Indore and Prof. Virendra Singh, IIT Bombay. They highlighted Chip-scale Devices for Optical Communication and interconnects and issues in designing robust smart system respectively. Day 2 was started with much Awaiting session of Dr. Sanju Tiwari, VCE, India. She emphasized on Semantic Modeling in IoT and eHealth Applications. Followed by it, Dr. Jaiverdhan highlighted the importance of Circularly Polarized Antenna Designs- Recent Trends and Developments. Next two parallel presentation sessions were held. The last session was enlightened by Dr. Tawfik Ismail, Nile University Egypt. He shed light on Free-Space-Optical Quantum Key Distribution Systems. Day 2 was ended with the valedictory ceremony. Total 31 papers were presented in 4 different sessions and best presentation award was being awarded in each session.

## Glimpses of the Event



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Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India





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## Sample Copy of Certificate

### Participation Certificate



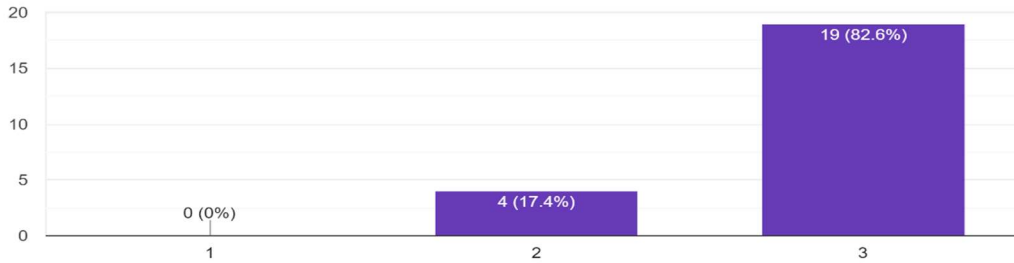
Swami Keshvanand Institute of Technology Management & Gramothan  
Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

## Feedback report

### a. Feedback:

#### 1. Your experience about the Conference.

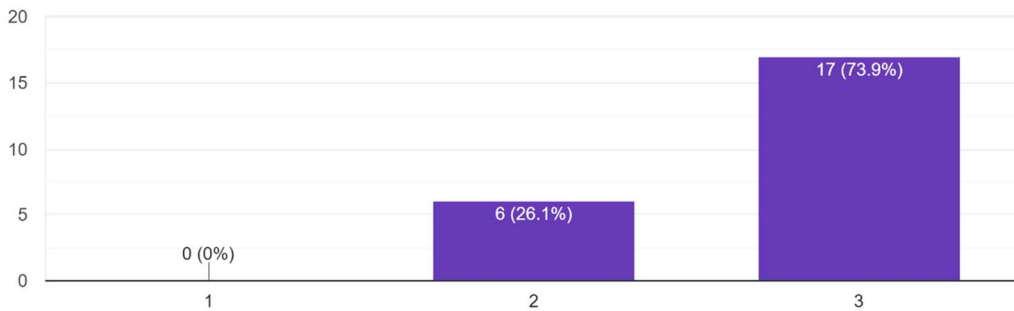
23 responses



1: Poor  
2: Good  
3: Excellent

#### 2. Knowledge enhancement.

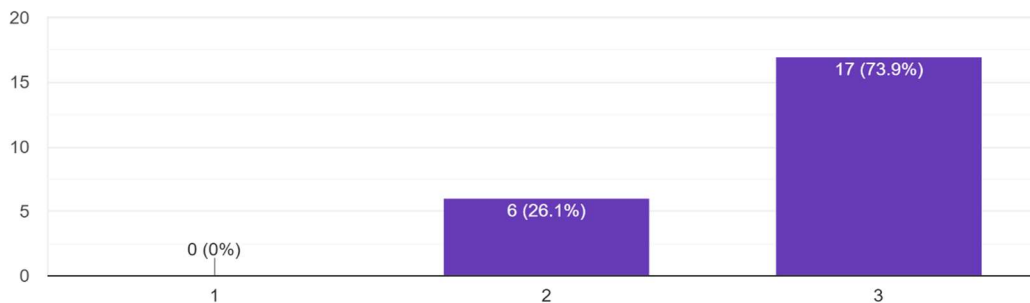
23 responses



1: Poor  
2: Good  
3: Excellent

#### 3. Relevancy of topics

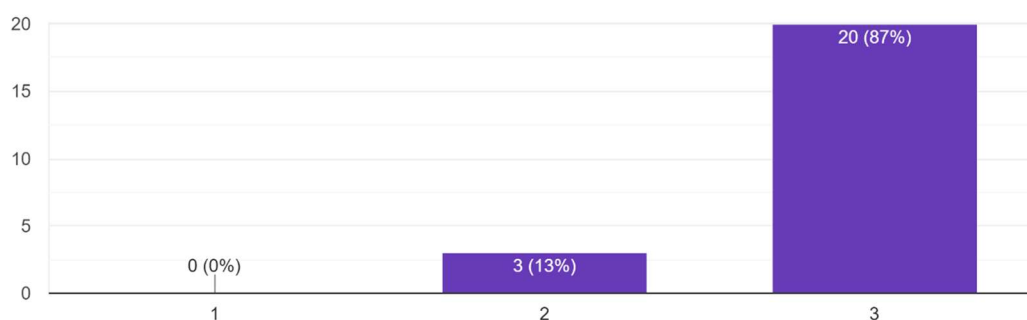
23 responses



1: Poor  
2: Good  
3: Excellent

## 4. About speakers

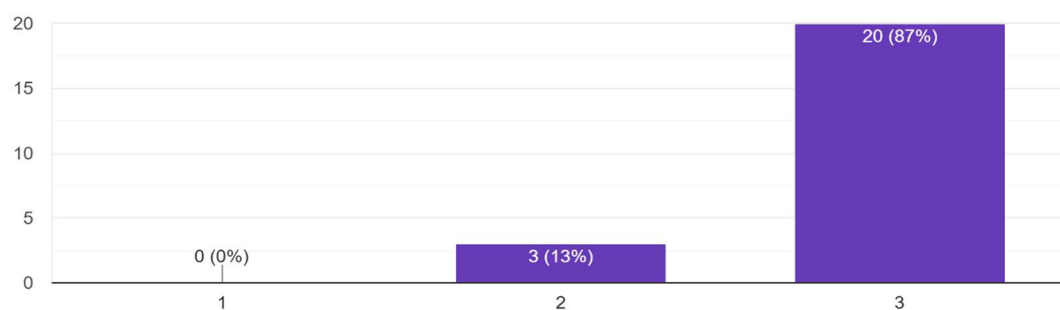
23 responses



1: Poor  
2: Good  
3. Excellent

## 5. General Arrangement

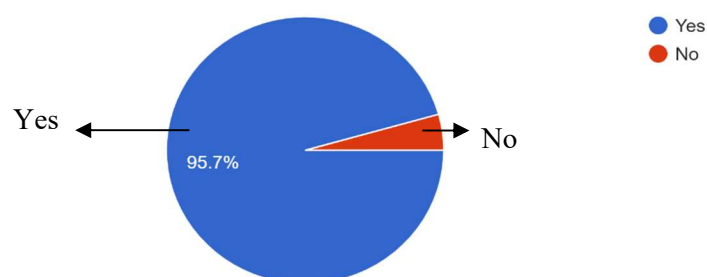
23 responses



1: Poor  
2: Good  
3. Excellent

## 6. In future do you want to attend such Conferences at this Institute (SKIT, Jaipur).

23 responses



## 7. Topics that can be covered in the next conference?

23 responses

Materials with holographic imaging

Nanotechnology and material science

Topics related to renewable energy, Energy storage may be a very relevant topic

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Artificial Intelligence

More about nanotechnology

Related to microwave electronics

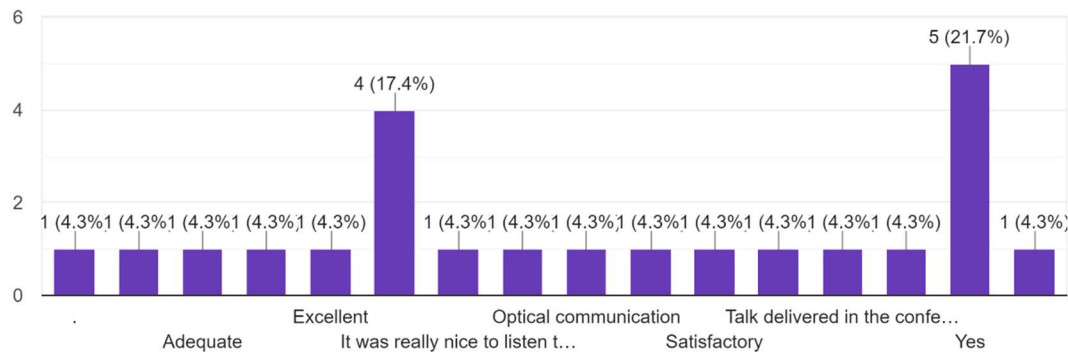
Iot

Smart grid

Converters for future

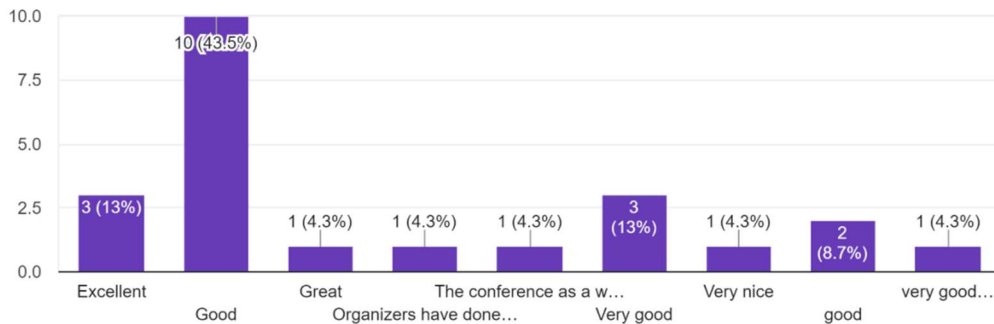
#### 8. Knowledge gained by the expert lectures of speakers.

23 responses



#### 9. Overall experience of the conference.

23 responses



#### 10. Any Suggestions

23 responses

No

NA

It was good

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General questionnaire with experts

Pls provide the plag copy of paper ..

I have nothing more to say. Wish you all the best.

It was good to attend the sessions

.

poster presentation can be added in this conference.

Everything was OK

nope

Conference is good

Na

## Media Coverage

News of this event was covered by different Newspapers. Some newspaper cuttings are as follows:

**दो दिवसीय अंतरराष्ट्रीय सम्मेलन  
सेमीकंडक्टर चिप निर्माण  
से भारत होगा आत्मनिर्भर**



**पत्रिका plus रिपोर्टर**

जयपुर. स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन जयपुर की ओर से एडवांसमेंट्स इन स्मार्ट इलेक्ट्रॉनिक्स मैटेरियल्स एंड कम्युनिकेशन टेक्नोलॉजी विषय पर दो दिवसीय अंतरराष्ट्रीय सम्मेलन का हो रहा है। यह सम्मेलन इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग की ओर से सीएसआईआर-आईएमएमटी आईएनटेक भुवनेश्वर के सहयोग से हुआ। मुख्य अतिथि सीएसआईआर-सीईईरी पिलानी के डायरेक्टर डॉ. पीसी पंचारिया, विशिष्ट अतिथि आईआईटी इंदौर के प्रो. मुकेश कुमार व प्रो. वीरेंद्र सिंह रहे। डॉ. पंचारिया ने कहा कि हमारा देश सेमीकंडक्टर चिप निर्माण के पथ पर अग्रसर है तथा आने वाले भविष्य में आत्मनिर्भर भारत अभियान की सफलता के लिए इस क्षेत्र में शोध की आवश्यकता है। निदेशक डॉ. एसएल सुराणा ने वर्तमान एवं भविष्य में संबंधित विषय की प्रासंगिकता बताई।

## एसकेआईटी में अंतरराष्ट्रीय सम्मेलन



जयपुर (सीमा सन्देश)। एसकेआईटी जयपुर में 'एडवांसमेंट्स इन स्मार्ट इलेक्ट्रॉनिक्स मैटेरियल्स एंड कम्युनिकेशन टेक्नोलॉजी' विषय पर दो दिवसीय अंतरराष्ट्रीय सम्मेलन आयोजित हुआ। सीएसआईआर-आईएमएमटी, आईएनटेक भुवनेश्वर के सहयोग से आयोजित की गई। मुख्य अतिथि सीएसआईआर-सीईईरी पिलानी डॉ. पीसी पंचारिया ने कहा कि हमारा देश सेमीकंडक्टर चिप निर्माण के पथ पर अग्रसर है तथा भविष्य में आत्मनिर्भर भारत अभियान के उज्ज्वल सफलता हेतु इस क्षेत्र में शोध की आवश्यकता व अवसर दोनों ही निहित हैं। विशिष्ट अतिथि आईआईटी इंदौर के प्रो. मुकेश कुमार ने छात्रों को प्रोत्साहित किया कि वह शोध के माध्यम से एक आधुनिक व पर्यावरण हितैषी

सिस्टम का निर्माण करें, तथा एक बेहतर भविष्य की संरचना करें। विशिष्ट अतिथि आईआईटी बॉम्बे के प्रो. वीरेंद्र सिंह ने भविष्य में स्मार्ट इलेक्ट्रॉनिक्स और हाई स्पीड कम्युनिकेशन की उपयोगिता बतवाई। निदेशक, शिक्षाविद् डॉ. एसएल सुराणा ने अतिथियों का स्वागत किया और वर्तमान एवं भविष्य में संबंधित विषय की प्रासंगिकता को समझाया। प्रो. एसके भटनागर ने सभी एक्सपर्ट्स की सराहना की तथा इस कार्यक्रम को छात्रों तथा शोधकर्ताओं के लिए बहुत उपयोगी बताया। देश-विदेश के प्रतिभागियों ने इस सम्मेलन में ऑनलाइन व ऑफलाइन हिस्सा लिया। इस कॉन्फ्रेंस में कुल सात एक्सपर्ट लेकर आयोजित हुए तथा 31 रिसर्च पेपर प्रेजेंटेशन किए गए।



Two-days International Conference on Advancements in Smart Electronics, Materials and Communication Technologies" (ICASEMCT-2023) concluded at SKIT Management and Gramoathan, Jaipur on Saturday. The valedictory function was graced by benign presence of the Chief guests Prof Tawfik Ismail, Director- Wireless Intelligent Networks Research Center, Nile University, Giza, Egypt. Prof. Mukesh Arora, Head, Dept. of ECE and OFA (SKIT) enthused the gathering with his motivational words. In the last day of conference, 3 expert talks were delivered. Prof. Tawfik Ismail, emphasized on the Quantum key distribution technique and its vital role in wireless and satellite communication during his session. Dr Sanju Tiwari, discussed the concepts of Semantic model in IOT. The organising secretary of ICASEMCT 2023 were Neeraj Jain, Manju Choudhary, Kiran Rathi and Abhinandan Jain.



जयपुर सिटी भास्कर 19-02-2023

## स्मार्ट इलेक्ट्रॉनिक्स मैटेरियल्स एंड कम्युनिकेशन टेक्नोलॉजी पर सम्मेलन



सिटी रिपोर्टर | जयपुर

एसकेआईटी कॉलेज में शनिवार को एडवांसमेंट्स इन स्मार्ट इलेक्ट्रॉनिक्स मैटेरियल्स एंड कम्युनिकेशन टेक्नोलॉजी विषय पर दो दिवसीय अंतरराष्ट्रीय सम्मेलन शुरू हुआ। पहले दिन 4 एक्सपर्ट लेकर हुए। इसमें आर.एम.यू.टीआई थाईलैंड से डॉ. पिचई ने ऑनलाइन क्वॉटम के डिस्ट्रीब्यूशन पर प्रेजेंटेशन दिया। एमएनआईटी के प्रो. रवि मंडिला ने वायरलेस ऑप्टिकल कम्युनिकेशन विषय पर हाई स्पीड कम्युनिकेशन के अवसरों को समझाया।

प्रो. मुकेश कुमार ने सिलिकॉन फोटोनिक्स पर आधारित ऑप्टिकल कम्युनिकेशन, कंप्यूटिंग व इंपर्मेनशन स्टोरेज पर प्रेजेंटेशन दिया। जबकि प्रो. वीरेंद्र सिंह ने स्मार्ट इलेक्ट्रॉनिक सिस्टम्स के डिजाइन और प्रमुख चुनौतियों पर बात की। गौरतलब है कि यह सम्मेलन इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग की ओर से सीएसआईआर-आईएमएमटी: आईएनटेक भुवनेश्वर के सहयोग से हो रहा है।

Swami Keshvanand Institute of Technology Management & Gramoathan  
Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India