



**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)**



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Head OFA & ECE, SKIT

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Dr. Rukhsar Zafar

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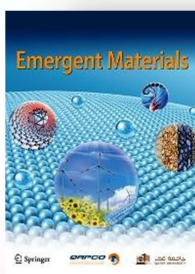
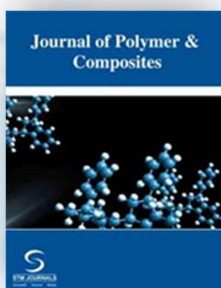
Ms. Kiran Rathi

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 Lakuhwat 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 Idiwai Mr. J. P. Vijay	-	25,000/-
6	FDP	SCILAB	Online	5-17 Dec. 2022	Ms. Priyanka Sharma Ms. Rajni Idiwai	Spoken Tutorial, IIT Bombay	Nil
7	FDP	Smart Electronics and Materials (FDP-SEM)	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 Verma	-	50,000/- <i>Mukesh</i>

→ Funds may be conducted in accordance to budget approved under head training & travel yes permitted and approved conditionally for financial approval forwarded to Rm. In/ Director for financial approval.

Mukesh
28.9.22

Approved
Mukesh
HOD-ECE
19/10/2022

Collaboration Documents

Pooja Choudhary

(Co-Convener, ICANCT-2022)

Assist. Professor, ECE Department

SKIT,M&G Jaipur

Togapur Pavan Kumar <pavantogapur@immt.res.in>
To: icanct2022@skit.ac.in

Fri, Dec 10, 2021 at 5:23 PM

Dear Pooja Choudhary,

Appreciate your interest to associate with us through MAITRI in organizing this joint program. We will be happy to associate in conduct of this online event, kindly goahead with the program plan/design and update us for possible support in making it a grand success.

We can also discuss as and when required.

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 / pavantogapur@gmail.com



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

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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

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



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 Sadasivuni'.

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

4. Event Brochure



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

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 and VLSI Technology. The 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.

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
- Nanosensors
- 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
- Biomedical 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://icasecmct.skit.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/7/conf/icasecmct2023
Template for paper :
icasecmct.skit.ac.in/images/ppp_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.

TECHNICAL SPONSORS

Innovative Education and Research Society

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Dr. Ingh Lam Hoof

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Mr. Advaitanand Jain, ECE Department, SKIT


 icasecmct@skit.ac.in
 www.icasecmct.skit.ac.in

Schedule

Day 1: February 17, 2023 (Friday)	
9:30 am- 10:00 am	Inauguration of Program 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	Keynote Talk (online) Dr. Phichai Youplao, RMUTI, Thailand.
11:15 am- 12:00	Invited Talk 2 Dr. Ravi Maddila, Assistant Professor, MNIT Jaipur
12:00-1:30 pm	<u>Paper Presentation Session-1</u> Session Chair: Dr. Amit Garg, IIIT Kota Paper ID: 8071,3312, 1001, 4555, 1490, 7831
1:30 pm-2:10 pm	<u>Paper Presentation Session-2</u> Session Chair: Dr. Sunanda Sinha, MNIT Jaipur Dr. Yogendra Gupta, SKIT Jaipur Paper ID: 5187,4328,3047, 6201, 5596, 7721
2:15 pm-3:00 pm	Invited Talk 3: Prof. Mukesh Kumar IIT Indore, Professor and Head, CAE, IIT Indore
3:00 pm-3:45 pm	Invited Talk 4: Prof. Virendra Singh, Professor, Department of CSE, IIT Bombay
Day 2: February 18, 2022 (Saturday)	
09:30 am – 10:15 am	Invited Talk-5: (Online) Dr. Sanju Tiwari, VEC, Hyderabad

10:15-11:00 am	Invited Talk-6: (Online) Dr. Jai Vardhan, Assistant Professor, VIT (Amravati)
11:00 am – 1:00 pm	<u>Paper Presentation Session-3</u> (Online) Session Chair: Dr. Sanjeev K. Metya, NIT AP Dr. Sanjeev Yadav(GEC, Ajmer) Paper ID: 998, 4811, 3133, 8672, 7456, 1003, 1005,1007, 5841,4850 <u>Paper Presentation Session-4</u> (Online) Session Chair: Dr. Jai Vardhan VIT (Amravati) Dr. Vinay Kanungo, SKIT Jaipur Paper ID: 414, 7333, 1004, 4541, 103, 1002, 3248, 4876, 2569
1:15 pm – 2:00 pm	Invited Talk-7 (Online): 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

Dr. Mukesh Kumar, Professor & Head of Centre for Advanced Electronics, IIT Indore.	Dr. Virendra Singh, Professor, Dept. of Computer Science & Engineering, IIT Bombay
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International Conference on
“Advancements in Smart Electronics, Materials and Communication Technologies”
(ICASEMCT-2023)

Dates: February 17-18, 2023

organized by

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

in Association with

CSIR-IMMT: InTEC, Bhubaneswar

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

Guest of Honor:

1. Prof. Mukesh Kumar, Professor & Head of Centre for Advanced Electronics, IIT Indore.
2. Prof. Virendra Singh, Professor, Dept. of Computer Science & Engineering, IIT Bombay

Minute to minute Program of Inaugural Ceremony

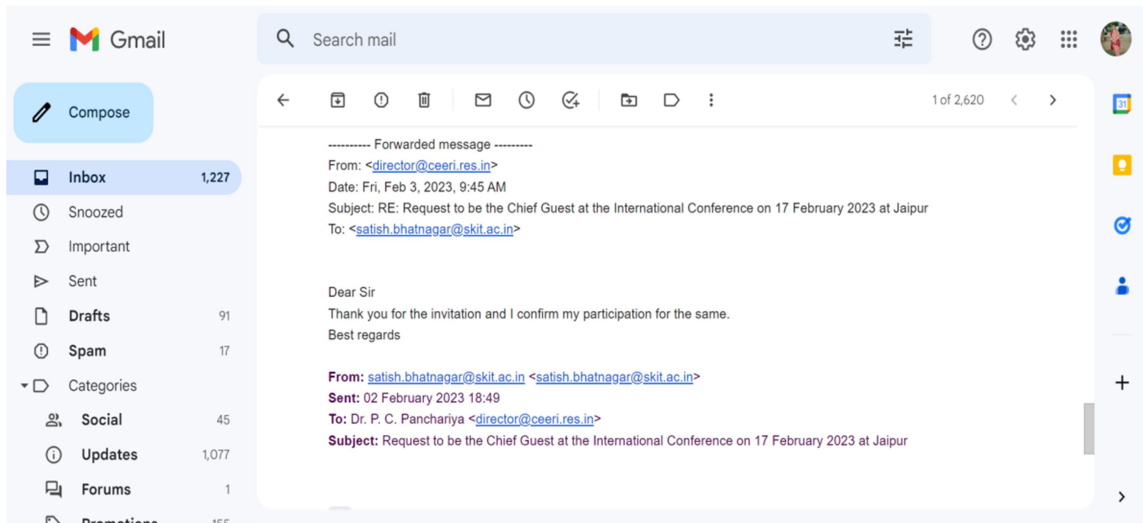
Date: Feb 17, 2023 Timing: 9:30 am

Time	Activity
9:30-9:32 AM	Lamp Lighting
9:32-9:35 AM	Floral Welcome + Memento presentation
9:35-9:40 AM	Welcome Addresses by Prof. S. L. Surana, Director (Academics), SKIT
9:40-9:45 AM	About Conference by Prof. S K Bhatnagar, Director (Research), SKIT
9:45-9:50 AM	Address by Guest of Honor (Prof. Mukesh Kumar, IIT Indore)
9:50-9:55 AM	Address by Guest of Honor (Prof. Virendra Singh, IIT Bombay)
9:55-10:05 AM	Address by Chief Guest (Dr. P C Panchariya, Director-CSIR-CEERI Pilani)
10:05-10:10 AM	Vote of Thanks- Prof. Mukesh Arora, Head OFA & Dept. of ECE, SKIT
	Group Photo


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



2/23/23, 8:40 AM Swami Keshvanand Institute of Technology Mail - Invitation for Invited Talk in ICASEMCT-2023

 ICASEMCT . <icasemct@skit.ac.in>

Invitation for Invited Talk in ICASEMCT-2023

Dr. Jaiverdhan <jaiverdhan1992@gmail.com> Thu, Feb 16, 2023 at 1:19 PM
To: "ICASEMCT ." <icasemct@skit.ac.in>

Dear Chair, ICASEMCT

Thank you for your mail and invitation.
I will be available at 10.15AM on 18/02/2023 in virtual mode.
Kindly share the credentials to join the meeting.
Thank you again for inviting me.

Regards
Dr Jaiverdhan
School of Electronics Engineering
VIT AP University

[Quoted text hidden]



Manju Choudhary <manju.choudhary@skit.ac.in>

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

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

Thu, Feb 23, 2023 at 9:43 AM

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

From: Rukhsar Zafar <rzafar@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 <phichai.yo@rmuti.ac.th> 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 <rzafar@skit.ac.in> 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 <phichai.yo@rmuti.ac.th> wrote:

Dear Prof.Rukhsar,

<https://mail.google.com/mail/u/2/?ik=71e32b3ce7&view=pt&search=all&permmsgid=msg-f%3A1758588092745612986&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 <manju.choudhary@skit.ac.in>

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 <manju.choudhary@skit.ac.in>

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

Rukhsar Zafar <rzafar@skit.ac.in>

Thu, Feb 23, 2023 at 9:44 AM

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

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

From: Ravi Maddila <rmaddila.ece@mnit.ac.in>

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

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

To: Rukhsar Zafar <rzafar@skit.ac.in>

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, <rzafar@skit.ac.in> 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&simpl=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 FlinkTM
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 ₂) 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, IIT 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



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



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

Sample Copy of Certificate

Participation Certificate



SKIT
असतो मा सद्गमय

INTERNATIONAL CONFERENCE ON
"ADVANCEMENTS IN SMART ELECTRONICS, MATERIALS AND
COMMUNICATION TECHNOLOGIES"
(ICASEMCT-2023)
(February 17-18, 2023)



immt

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

In Association with CSIR-IMMT: INTEC-MAITRI, Bhubaneswar

Participation Certificate

This is to certify that Prof. / Dr. / Mr. / Ms. MANU CHOUDHARY
of Swami Keshvanand Institute of Technology, M.G. Jaipur presented a paper
entitled Effect of Dielectric and Active Layer thickness on Thin film Transistor
Characteristics
in the International Conference on "Advancements in Smart Electronics, Materials and Communication
Technologies (ICASEMCT-2023)".

 Prof. (Dr.) S.L. Surana Director(Academics)	 Prof. (Dr.) Ramesh K. Pachar Principal	 Dr. T. Pavan Kumar CSIR-IMMT	 Prof. (Dr.) Mukesh Arora General Chair, ICASEMCT
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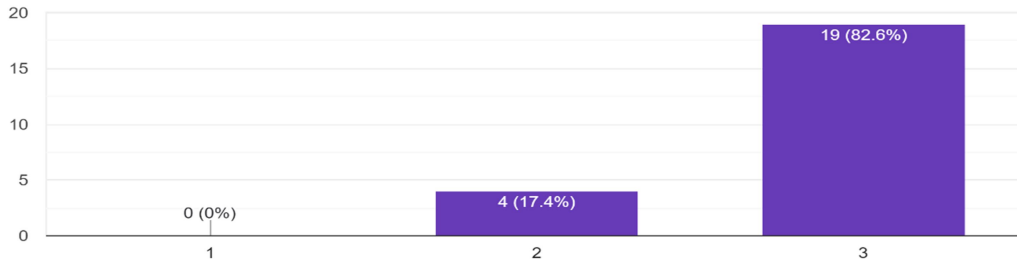


Feedback report

a. Feedback:

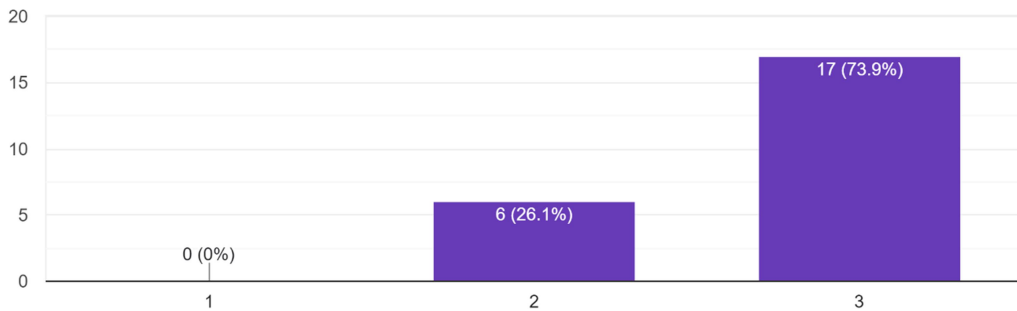
1. Your experience about the Conference.

23 responses



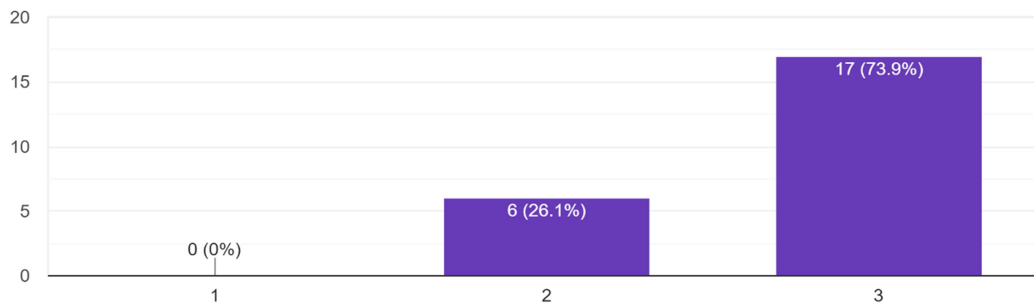
2. Knowledge enhancement.

23 responses



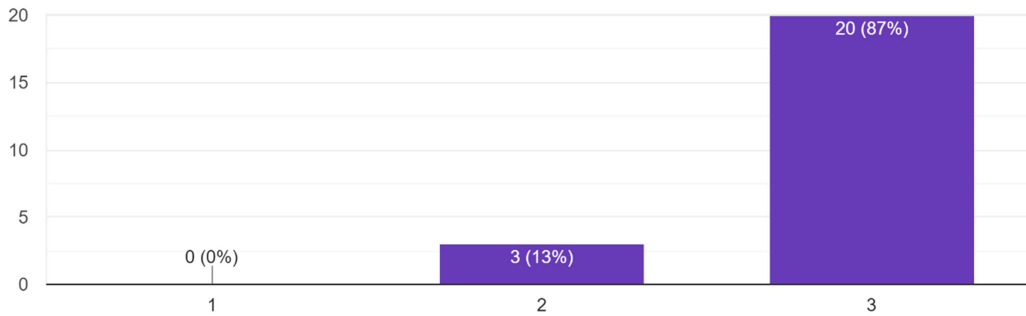
3. Relevancy of topics

23 responses



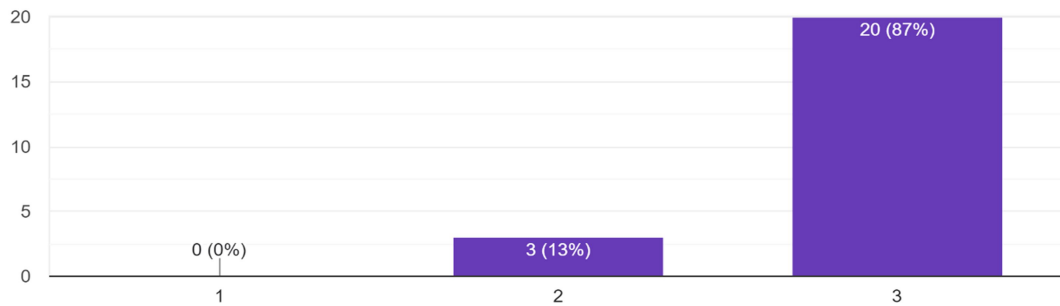
4. About speakers

23 responses



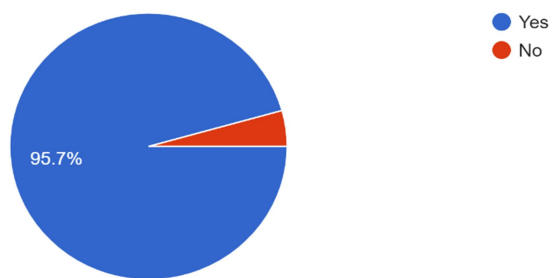
5. General Arrangement

23 responses



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

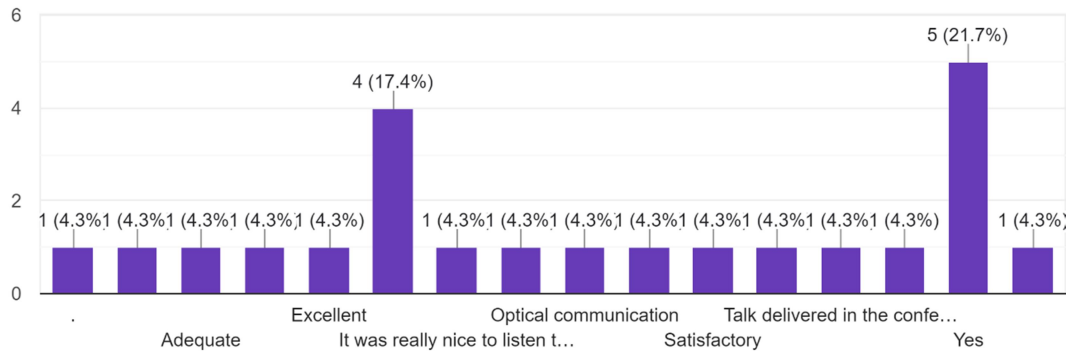
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Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

Artificial Intelligence
 More about nanotechnology
 Related to microwave electronics
 Iot
 Smart grid
 Converters for future

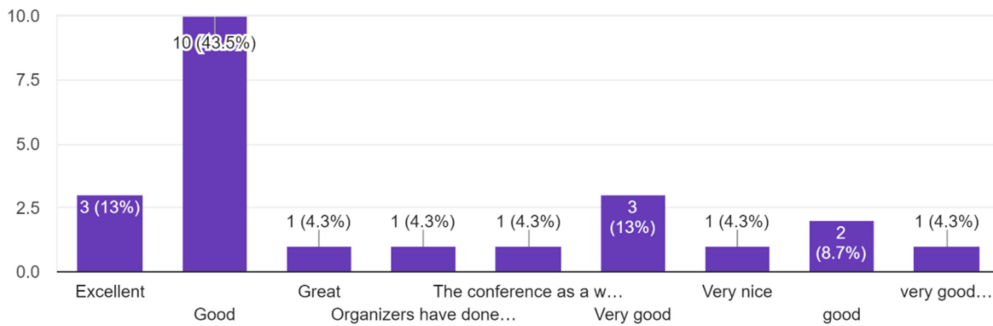
8. Knowledge gained by the expert lectures of speakers.

23 responses



9. Overall experience of the conference.

23 responses



10. Any Suggestions

23 responses

No
 NA
 It was good

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 बारे बताया। 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 Gramothan, 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 मटीरियल्स एंड कम्युनिकेशन टेक्नोलॉजी पर सम्मेलन



सिटी रिपोर्टर | जयपुर

एसकेआईटी कॉलेज में शनिवार को एडवांसमेंट्स इन स्मार्ट इलेक्ट्रॉनिक्स मटीरियल्स एंड कम्युनिकेशन टेक्नोलॉजी विषय पर दो दिवसीय अंतरराष्ट्रीय सम्मेलन शुरू हुआ। पहले दिन 4 एक्सपर्ट लेकर हुए। इसमें आर.एम.यू.टी.आई.आई.आई.आई. से डॉ. पिच्वई ने ऑनलाइन क्वांटम के डिस्ट्रीब्यूशन पर प्रेजेंटेशन दिया। एमएनआईटी के प्रो. रवि मंडेला 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 इंफॉर्मेशन 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 & Gramothan
Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

