



**A
Report on**



Lecture Series

On

**Recent Trends in Electronics and Communication Engineering 2.0
(RTECE 2.0, 2022)**

Organized by

Department of Electronics & Communication Engineering

October 10 - 14 , 2022

Coordinators:

Ms. Kiran Rathi, Dr. Monika Mathur, Ms. Suman Sharma
and Dr. Vikas Pathak

Co-coordinators:

Ms. Namrata Saxena and Mr. Dinesh Kumar

Student Coordinators:

Priya Gupta, Umang Sharma and Utkarsh Khandelwal

Program detail:

The Department of Electronics and communication, SKIT Jaipur organized a 5-Days lecture series on “Recent Trends in Electronics and communication Engineering 2.0” from 10th October to 14th October 2022, in hybrid mode, with the objective of educating students and spreading awareness about the latest advancements in Electronics and communication engineering. The lectures were delivered by accomplished experts and academicians who have achieved pre-eminence in the fields of Electronics and communication engineering followed by interactions and queries. In this lecture series over 160 participants were well connected for the entire duration of the lecture series. Coordinators of the lecture series were: Ms. Kiran Rathi, Dr. Monika Mathur, Ms. Suman Sharma, Dr. Vikas Pathak; Co-coordinators were: Ms. Namrata Saxena and Mr. Dinesh Kumar; Student Coordinators were: Priya Gupta, Umang Sharma and Utkarsh Khandelwal.

The chief guest of this program was Dr. Manish Tiwari , Prof. & HOD ECE Manipal University, Jaipur and guest of honor was Dr. Kushmunda Saurav, Asst. Prof., dept of Electrical Engineering, IIT Jammu. Prof. Mukesh Arora, Head OFA and ECE dept. welcomed the guests.

Inaugural ceremony was followed by an expert session by **Dr. Kushmunda Saurav** on the topic “Design of circularly polarized antennas for microwave and millimeter wave applications.” Lecture was held in online mode.

Dr. Anup Kumar Sharma, on the topic “Thin film optoelectronic devices and flexible nanoelectronic devices.” In online mode

Mr. Rajeev Kumar Gautam, Program Manager, Intel. His topic of session is Semiconductor industry overview and trends. In which he included the semiconductor industry is estimated to continue its robust growth during the forecast period to accommodate the increasing demand for semiconductor materials in emerging technologies, such as artificial intelligence (AI), autonomous driving, the Internet of Things, and 5G, coupled with competition among key players and consistent spending on research and development.

Mr. Ajay Kumar Sharma. He enlightened us on the topic Micro Energy Harvesting. He explained the energy harvesting methods and how small scale devices such as wireless personal health-monitoring systems or environmental sensors, making them independent of rapidly exhausted batteries or location restricted power grids. Enabling this unprecedented level of autonomy, particularly at the micro-scale, requires innovation in harvesting devices, power management circuits, and complete system design, in order to ensure the desired functionality and reliability of the respective device even if the supply of ambient energy varies with time.

Dr. Urvashi Shukla, Assistant Professor, Department of Computer Science Engineering, Banasthali Vidyapith. On the topic Image Processing with Medical Perspective in which she explained about the classification of image segmentation and Biomedical signals fetching, image formation, processing of image, and image display for medical/clinical diagnosis based on extracted features from the signal (1D), images (2D) and Video (3D). Image processing has proved its significance in medical analysis and health care. The imaging modalities play a vital role in acquisition of signals and images from the human body which involves invasive and non-invasive

methods. Also discussed on Medical Imaging mainly concentrates on uncovering and revealing internal structures which are hidden by the skin and bones. In addition, it is used to analyze, diagnose, recognize and treat the illness or disease. This technique is particularly useful for the specialists to make laparoscopic surgeries for viewing the interior parts without actually opening the body. X-ray imaging uses CT scanner, Ultrasound and Magnetic Resonance Imaging. In this way, specialists can look at the body's obscure or hidden third dimension. By using CT Scanner, inside segments can be exposed and diseased areas can be recognized and spotted very easily. While considering MRI, it gets a signal from the magnetic particles of the body and turns its magnetic tune and with the help of a Computer, converts scanned data into images of the internal organs.

Dr. Dinesh Sethi, from JECRC University, Jaipur, shared his valuable knowledge on “Control System Engineering” explaining the stability of control systems and various stability criteria.

Dr. Parul Tyagi, JECRC college, Jaipur. She delivered her lecture on “Digital Signal Processing,” She told about different types of Digital Filters.

Day 4 session 2 of the lecture series was concluded with everyone being motivated from the inspirational talk by Mr. Anjan Das on his life experiences, he talked about how he never lost his hope even in the worst situations, he always aimed higher, followed his passion, gained trust of everyone and encouraged us to do the same.

Dr. Dinesh Yadav, Manipal University, Jaipur, took an expert session on the topic Design and development of Reconfigurable antennas in offline mode.

Mr. Ankur Vijay, Senior Silicon Design Engineer, AMD Technology, Hyderabad took an expert lecture on “Recent trends in memory design” in online mode. The discussed areas in lecture series are of great benefit for the participants.

It was a life-long learning for all participants. The discussed areas are of great benefit for the attendees. Feedbacks of the lecture series were collected from the participants.

a. No. of Participants – 193 [List Attached]

Roll No.	Regn.	Name
20ESKEC001	B201044	Aabhas Nama
20ESKEC003	B200124	Abhay Bhardwaj
20ESKEC004	B201162	Abhay Mangal
20ESKEC005	B200839	Abhinav Mathur
20ESKEC006	B200975	Abhishek Sharma
20ESKEC007	B201028	Abhishek Singh
20ESKEC009	B200943	Adarsh Sain
20ESKEC010	B201050	Aditya Kumar Meena
20ESKEC011	B200961	Aditya Narayan

20ESKEC012	B200820	Ajay Kumar Sharma
20ESKEC014	B200817	Akash Kumar
20ESKEC015	B200830	Amartia Anand
20ESKEC016	B201055	Amol Kumari
20ESKEC019	B200247	Ankush Gupta
20ESKEC020	B200819	Anshuman Singh Rathore
20ESKEC021	B200838	Anushka Jain
20ESKEC022	B200232	Archita Gocher
20ESKEC023	B200890	Arun Singh
20ESKEC025	B200300	Ashish Gurjar
20ESKEC026	B200606	Ashutosh Jangir
20ESKEC027	B201163	Astha Jain
20ESKEC028	B200848	Avni Jain
20ESKEC029	B201043	Ayush Pandey
20ESKEC030	B201024	Bhoomika Bulchandani
20ESKEC031	B200938	Chakshit Gunidia
20ESKEC032	B201083	Charvi Dadhich
20ESKEC033	B200514	Chirayu Jain
20ESKEC034	B201016	Chitaansh
20ESKEC035	B200856	Chitvan Tak
20ESKEC036	B200924	Dhiraj Kumar
20ESKEC037	B200396	Dhruv Jain
20ESKEC038	B201067	Dhruvtash Gupta
20ESKEC039	B201025	Dikshant Sharma
20ESKEC040	B200900	Divyansh Gupta
20ESKEC041	B200336	Divyansh Sharma
20ESKEC042	B200241	Gaurav Kumar Gupta
20ESKEC043	B200635	Gaurav Kumar Saini
20ESKEC044	B200318	Gautam Kumar Kamat
20ESKEC045	B200410	Hammir Chaturvedi
20ESKEC046	B200984	Hariom Kumar
20ESKEC047	B200653	Harshit Parwani
20ESKEC048	B200895	Hemant Kumar Atal
20ESKEC049	B200857	Hiren Vaishnav
20ESKEC050	B200905	Jagrati Meena
20ESKEC051	B200191	Jamuna Jangid
20ESKEC052	B200831	Jayesh Mour
20ESKEC053	B200228	Jayesh Vashishtha
20ESKEC054	B200887	Kamal Nayan

20ESKEC055	B200951	Kanak Singhal
20ESKEC056	B201001	Kartik Tiwari
20ESKEC057	B200625	Kashish Arora
20ESKEC058	B200971	Kashish Jagwani
20ESKEC059	B200896	Kashish Karamchandani
20ESKEC060	B200960	Kashish Sharma
20ESKEC062	B200823	Khushi Garg
20ESKEC063	B201077	Kirti Sagar
20ESKEC065	B201012	Kushal Tambi
20ESKEC066	B200939	Lakshit Jain
20ESKEC067	B200361	Lakshya Verma
20ESKEC068	B201070	Lavina Lahoty
20ESKEC070	B200591	Manan Sharma
20ESKEC071	B201079	Mayank Sharma
20ESKEC072	B200571	Megha Jangid
20ESKEC073	B201053	Mohit Kumar Singh
20ESKEC074	B201215	Mohit Yadav
20ESKEC075	B200376	Moksh Avasthi
20ESKEC076	B200809	Muskan Meena
20ESKEC077	B201056	Naman Agarwal
20ESKEC079	B200862	Navdeep Choudhary
20ESKEC080	B200925	Navneet Kumar
20ESKEC081	B200919	Niharika Chugh
20ESKEC083	B201189	Om Jaiswal
20ESKEC084	B201052	Om Verma
20ESKEC085	B200577	Param Agarwal
20ESKEC086	B201095	Parshant Sharma
20ESKEC087	B200851	Pawani Bhardwaj
20ESKEC088	B200243	Prachi Dhiliwal
20ESKEC089	B200899	Pradeep Bhat
20ESKEC090	B200886	Prajjawal Nirvan
20ESKEC091	B200821	Prashansa Khandelwal
20ESKEC092	B200655	Pratyush Saraswat
20ESKEC093	B200916	Prince Singhal
20ESKEC094	B200843	Priya Gupta
20ESKEC095	B200299	Pulkit Sharma
20ESKEC096	B200855	Purvi Tanwar
20ESKEC097	B201074	Radhika Ojha
20ESKEC099	B201033	Raghav Gupta

20ESKEC100	B200847	Ritu Yadav
20ESKEC101	B200678	Rohit Jarwal
20ESKEC102	B201191	Sahil Yadav
20ESKEC103	B200372	Sakshi Singh
20ESKEC104	B200926	Sambhav Jain
20ESKEC105	B201020	Samridhi
20ESKEC106	B200967	Samyak Jain
20ESKEC107	B200914	Sanchit Agrawal
20ESKEC109	B201030	Shikha Kumari
20ESKEC110	B200845	Shivani Lamba
20ESKEC111	B201010	Siddharth Choabey
20ESKEC112	B201196	Sooraj Pachouri
20ESKEC113	B200833	Sunil Kumawat
20ESKEC114	B201054	Suraj Singh Shekhawat
20ESKEC115	B201029	Swati Aggarwal
20ESKEC116	B200457	Tanish Khandal
20ESKEC117	B200325	Tushar Vijayvargia
20ESKEC118	B200676	Umang Sharma
20ESKEC119	B200832	Utkarsh Bhargava
20ESKEC120	B200816	Utkarsh Gautam
20ESKEC121	B200822	Utkarsh Khandelwal
20ESKEC122	B200994	Vaibhav Kunal
20ESKEC123	B200932	Vipasha Goyal
20ESKEC124	B200987	Vishal Moud
20ESKEC125	B201049	Yash Bairwa
20ESKEC127	B200601	Yatin Parmar
20ESKEC300	B200999	Somik Choudhary
20ESKEC301	B200933	Kushmay Porwal
20ESKEC302	B201006	Chandan Kumar
20ESKEC303	B201182	Hemant Ameta
20ESKEC304	B201184	Kartik Somani
20ESKEC305	B200557	Manav Rathore
20ESKEC306	B200868	Sourav Majee
21ESKEC200	L210020	Amisha Jha
21ESKEC001	B210932	Aakash Yadav
21ESKEC002	B210527	Aarohi Malsaria
21ESKEC003	B210951	Abhay Raj Shukla
21ESKEC004	B210952	Abhijeet Agarwal
21ESKEC005	B210417	Abhijeet Giri

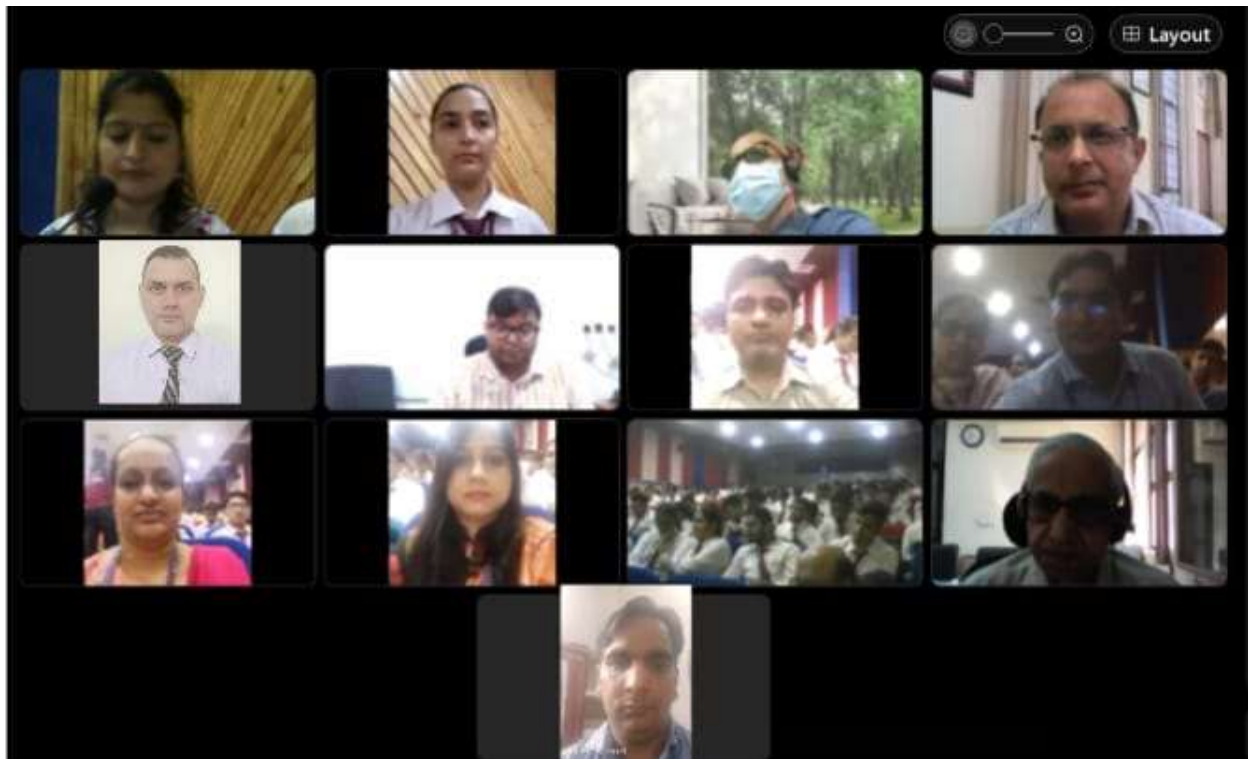
21ESKEC007	B210953	Abhishek Kumar
21ESKEC008	B210560	Aditya Rawat
21ESKEC012	B210317	Ameen Zehra
21ESKEC013	B210607	Anmol Gupta
21ESKEC014	B211157	Anupam Jain
21ESKEC015	B211051	Arsh Lakhwal
21ESKEC016	B210957	Aryan Birla
21ESKEC017	B211034	Aryan Sharma
21ESKEC019	B210992	Bhavesht Agarwal
21ESKEC020	B210258	Chirag Gurnani
21ESKEC021	B211167	Deepanshu Khandelwal
21ESKEC022	B210930	Devang Joshi
21ESKEC023	B210959	Dishika Sharma
21ESKEC024	B211078	Diya Sharma
21ESKEC026	B211018	Hardik Sharma
21ESKEC027	B210962	Himanshu Agarwal
21ESKEC030	B210964	Jai Kumar Bisaria
21ESKEC031	B210601	Jai Prakash Anand
21ESKEC033	B210888	Karan Sharma
21ESKEC034	B211120	Karishma Kumawat
21ESKEC035	B210966	Khushi Rajawat
21ESKEC038	B211162	Lovesh Chhabra
21ESKEC039	B211067	Manav Singh
21ESKEC040	B211118	Mohit Ramnani
21ESKEC041	B210934	Naman Tak
21ESKEC042	B210967	Nandani Khandelwal
21ESKEC043	B210968	Navneet Kaur
21ESKEC046	B210970	Omisha Pareek
21ESKEC047	B210858	Piyush Yadav
21ESKEC049	B210972	Rahul Kumawat
21ESKEC050	B210805	Raj Tiwari
21ESKEC051	B211071	Ravi Kumar
21ESKEC052	B211172	Rohan Raj
21ESKEC054	B211023	Ruchi Singh
21ESKEC056	B210861	Sanyam Bhura
21ESKEC057	B211008	Satvik Priyadarshi
21ESKEC058	B210975	Satyam Singh Sengar
21ESKEC059	B210501	Saurabh Mishra
21ESKEC060	B210764	Saxam Dixit

21ESKEC061	B211070	Shailendra Rathore
21ESKEC062	B211177	Shivansh Agarwal
21ESKEC063	B211004	Shivin Shyam Kasat
21ESKEC064	B211050	Shreya Jha
21ESKEC065	B211173	Siddharth Meena
21ESKEC066	B210991	Snehal Jain
21ESKEC068	B210457	Tariq Abdul Ghani
21ESKEC069	B210921	Ujjawal Sharma
21ESKEC070	B210435	Vanshaj Kataria
21ESKEC071	B210977	Varun Mathur
21ESKEC072	B210933	Vibhansh Jain
21ESKEC073	B210649	Vijay Jangid
21ESKEC074	B211025	Vikram Pal
21ESKEC075	B211156	Vishal Kumar
21ESKEC300	B211125	Jatin Bhagtani
21ESKEC301	B210546	Nitin Nagar

Photographs of Program:











Jaipur, Rajasthan, India

A-92, Shivam Nagar, Keshar Vihar, Jaipur, Rajasthan

302017, India

Lat 26.82185°

Long 75.865689°

13/10/22 11:29 AM GMT +05:30



GPS Map Camera



GPS Map Camera

Jaipur, Rajasthan, India

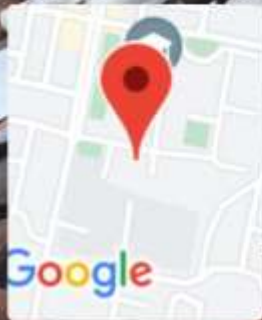
A-92, Shivam Nagar, Keshar Vihar, Jaipur, Rajasthan

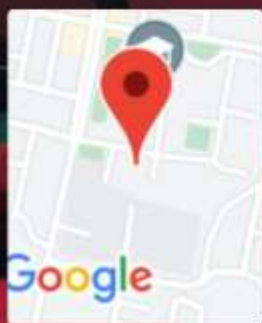
302017, India

Lat 26.821842°

Long 75.865683°

13/10/22 11:08 AM GMT +05:30





Jaipur, Rajasthan, India

A-92, Shivam Nagar, Keshar Vihar, Jaipur, Rajasthan

302017, India

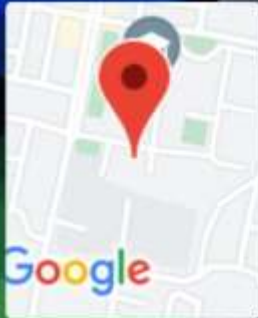
Lat 26.821826°

Long 75.865663°

13/10/22 10:15 AM GMT +05:30







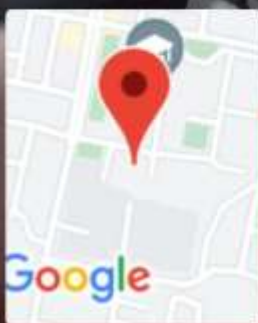
Jaipur, Rajasthan, India

A-92, Shivam Nagar, Keshar Vihar, Jaipur, Rajasthan
302017, India

Lat 26.82186°

Long 75.865695°

11/10/22 10:55 AM GMT +05:30



Jaipur, Rajasthan, India

A-92, Shivam Nagar, Keshar Vihar, Jaipur, Rajasthan

302017, India

Lat 26.821802°

Long 75.865651°

11/10/22 10:46 AM GMT +05:30



GPS Map Camera



Jaipur, Rajasthan, India

A-92, Shivam Nagar, Keshar Vihar, Jaipur, Rajasthan

302017, India

Lat 26.821865°

Long 75.865691°

10/10/22 10:22 AM GMT +05:30



GPS Map Camera



Jaipur, Rajasthan, India

A-92, Shivam Nagar, Keshar Vihar, Jaipur,
Rajasthan 302017, India

Lat 26.821854°

Long 75.865686°

10/10/22 10:17 AM GMT +05:30





Jaipur, Rajasthan, India

A-92, Shivam Nagar, Keshar Vihar, Jaipur, Rajasthan

302017, India

Lat 26.821863°

Long 75.865705°

10/10/22 12:02 PM GMT +05:30

‘रीसेंट ट्रेंड्स इन इलेक्ट्रॉनिक्स एंड कम्युनिकेशन’ पर लेक्चर सीरीज संपन्न

जयपुर। एसकेआईटी के इलेक्ट्रॉनिक डिपार्टमेंट द्वारा ‘रीसेंट ट्रेंड्स इन इलेक्ट्रॉनिक्स एंड कम्युनिकेशन’ पर पांच दिवसीय लेक्चर सीरीज का समापन हुआ। कार्यक्रम के मुख्य अतिथि मणिपाल यूनिवर्सिटी के इसीई डिपार्टमेंट के एसोसिएट प्रोफेसर डॉ. दिनेश यादव ने संबोधित किया। समारोह में मुख्य अतिथि के साथ एसकेआईटी के प्रो. मुकेश अरोरा और प्रो. पी. के. जैन उपस्थित हुए। मुख्य अतिथि ने लेक्चर सीरीज के सफलता पूर्वक समापन पर बधाई दी। फैकल्टी कोऑर्डिनेटर किरण राठी ने लेक्चर सीरीज पर रिपोर्ट पढ़ी। डॉ. विकास पाठक ने मुख्य अतिथि और सभी प्रतिभागियों को धन्यवाद ज्ञापित किया। लेक्चर सीरीज के कोऑर्डिनेटर किरण राठी, सुमन शर्मा, डॉ. विकास पाठक, डॉ. मोनिका माथुर, को-कोऑर्डिनेटर नम्रता सक्सेना, दिनेश कुमार और स्टूडेंट कोऑर्डिनेटर उमंग शर्मा, उत्कर्ष खंडेलवाल एवम प्रिया गुप्ता ने कोऑर्डिनेशन किया।

पांच दिवसीय लेक्चर सीरीज का समापन



बेधड़क, जयपुर। एसकेआईटी के इलेक्ट्रॉनिक डिपार्टमेंट द्वारा रीसेंट ट्रेंड्स इन इलेक्ट्रॉनिक्स एंड कम्युनिकेशन पर पांच दिवसीय लेक्चर सीरीज का समापन हुआ। मुख्य अतिथि मणिपाल यूनिवर्सिटी के इसीई डिपार्टमेंट के एसोसिएट प्रोफेसर डॉ. दिनेश यादव, एसकेआईटी के प्रो. मुकेश अरोरा और प्रो. पीके जैन उपस्थित रहे। फैकल्टी कोऑर्डिनेटर किरण राठी ने लेक्चर सीरीज पर रिपोर्ट पढ़ी। डॉ. विकास पाठक ने धन्यवाद ज्ञापित किया। लेक्चर सीरीज के कोऑर्डिनेटर किरण राठी, सुमन शर्मा, डॉ. विकास पाठक, डॉ. मोनिका माथुर, को-कोऑर्डिनेटर नम्रता सक्सेना, दिनेश कुमार और स्टूडेंट कोऑर्डिनेटर उमंग शर्मा, उत्कर्ष खंडेलवाल एवं प्रिया गुप्ता ने कोऑर्डिनेशन किया।