

### About JECRC Foundation Group

The National Society for Education Research and Development was set up and registered in the year 1999 in Jaipur with the major objective of providing quality education and research environment in Rajasthan. Jaipur Engineering College & Research Centre (JECRC) was established in Jaipur in the year 2000. Encouraged by its splendid achievements and overwhelming public patronage, it ventured into establishing a second college JECRC UDML College of engineering in the year 2007. The JECRC foundation has now become a brand name in professional education in Rajasthan. The founders and the society are now generally referred to as the JECRC Foundation.

JECRC University was established in the year 2012 and is conducting UG, PG and Doctoral programmes in diversified fields (Engineering & Technology, Applied Science, Law and Management) and has also set up centres of research.

### About ECE Department

The Department of Electronics & Communication Engineering is the major department having a number of laboratories with a diversified variety of equipment. Being the core branch with laboratories focusing on fundamental aspects of Electronics & Communication Engineering provides an opportunity to faculties and students to enrich themselves technically. In order to cope up with the requirement of industries, the department also have laboratories with latest technologies. Students have an open access in the laboratories, to understand as well as apply their knowledge to explore their engineering skills. The department has team of highly motivated and dedicated faculty members to the cause of academics and striving to do the best in the interest of the college and the students. Most of the faculty members are actively involved in research work and regularly publishing their research papers in Journals and Conferences.

### Research Areas Pursued by the Faculty Members

Wireless Communication, Microwave Engineering, Antennas, Digital Signal Processing, Image Processing, Analog Circuit Design, Mixed Mode Signal Processing, RF Passive Component Modeling & Analysis, Control System, Power Electronics, Optoelectronics, Optical Communication, Material Science and Engineering, NanoScience and Nanoelectronics, VLSI design, Wireless Sensor Networks, MEMS, Energy Science and Engineering, Semiconductor Devices,

### About Conference

The National Conference "RACON-2019" is organized with a vision to address the various issues to promote the creation of intelligent solutions in future. It is expected that researchers will bring new prospects for collaboration across disciplines and gain ideas facilitating novel concepts. The theme of this conference will motivate the researchers to adopt the outcome for implementation. RACON-2019 is a premier conference, organized by the Department of Electronics & Communication Engineering during March 16 and 17, 2019 at JECRC, Jaipur. The national Conference on **Recent Advances in Communication, Optics and Nanoscience-2019 (RACON-2019)** aims to bring together the researchers, scientists, engineers, and research scholar in areas of Engineering and Technology, and it provides them a national forum for the dissemination of original research, new ideas and practical development experiences. The conference has the focus on the prime issues in the field of engineering and science.

### Patrons

Shri O.P. Agrawal, Chairman  
Shri M. L. Sharma, Vice Chairman  
Shri Amit Agrawal, Director  
Shri Arpit Agrawal, Director

### Conference Chair

Dr. V. K. Chandna, Principal

### Conveners

Ms. Shruti Kalra  
Dr. Vinita Mathur

### Co-Conveners

Dr. Parul Tyagi  
Mr. Ashok Kherodia

### Organizing Secretaries

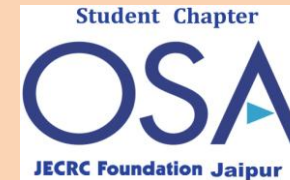
Mr. Rajesh Bathija  
Mr. S S Manaktala

### National Advisory Committee

Prof. Rajesh Talwar, Government Engineering College, Raipur  
Dr. Anil Sagar, Galgotia University, Greater Noida  
Dr. Jugal Kishore Gupta, ITS College  
Dr. K.M. Singh, JECRC University, Jaipur  
Dr. Dinesh Sethi, JECRC University, Jaipur  
Dr. Deepak Dembla, JECRC University, Jaipur  
Dr. Lokesh Tharani, RTU, Kota  
Dr. Dinesh Singh, G.L. Bajaj, Noida  
Dr. Nilendra Badal, KNIT, Sultanpura  
Dr. Deepak Bhatia, RTU, Kota  
Dr. J. B. Sharma, RTU, Kota  
Dr. Ramesh Bharti, JNIT, Jaipur  
Dr. Abhishek Singh, PIET, Jaipur  
Mr. Ashutosh Agarwal, MD, Tesca Technologies  
Shri O.P. Jain, JECRC  
Shri P. K. Tiwari, JECRC  
Prof. S.N. Gupta, JECRC  
Mr. Manish Jain, JECRC  
Dr. M.P. Singh, JECRC  
Dr. Bhavana Sharma, JECRC  
Prof. Mukht Bihari, JECRC  
Dr. Sunil Jangir, JECRC

### Organizing Committee

Prof. S K Singh	Mr. Mangilal	Mr. Pravin Sharma
Dr. Sandeep Vyas	Mr. Vikas Mishra	Ms. Ritambhara
Mr. Bhoopesh Kumawat	Mr. S. Chaturvedi	Mr. Manish Yadav
Mr. Lokesh Kr. Sharma	Mr. Vikas Sharma	Mr. Devendra Sharma
Mr. Ashutosh Sharma	Mr. Rakesh Kardam	Mr. Mohit Rajput
Ms. Ritu Vyas	Ms. Yogita Tuliza	Mr. Jitendra Sharma
Mr. Ashish Kulshreshth	Ms. Apurva Kaul	Mr. Ankur Gangwar
Mr. Devesh Gupta	Mr. VeniMadhav	Mr. Sandeep Dotya
Mr. Deepak Sankhala	Mr. Naresh Kumar	Ms. Preeti Barot
Ms. Neha Singh	Ms. Deepmala	Ms. Kirti Manish
Mr. Honey Agarwal	Mr. Rajkumar Jain	Mr. Ashish Sharma



**National Conference**  
on

**Recent Advances in  
Communication, Optics and Nanoscience-2019**

**RACON -2019**

**March 16-17, 2019**



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

**In Association with**  
**OSA Student Chapter, JECRC Foundation**

**Jaipur Engineering College and Research Centre**  
**Shri Ram ki Nangal, via Sitapura RIICO**  
**Tonk Road, Jaipur-302022, Rajasthan**  
**Ph No: 0141-2770120, 2770232,**  
**E-mail:racon2019@jecrc.ac.in**  
**Website: [www.jecrcfoundation.com](http://www.jecrcfoundation.com)**

## Objective of Conference

- To provide an exceptional platform to the academicians, researchers and students.
- To meet and discuss the practical solutions, scientific results and methods in solving various problems with people who are actively involved in emerging research fields.
- To focus on the recent technological developments in all the areas of Electrical, Electronics and Communication Engineering.

## Sub Themes

- Biomedical Engineering
- Communication Systems
- Data Communication Network
- Electronic Sensors
- Embedded System Technology
- Green Energy
- Internet of Things
- MEMS and Nanotechnology
- Microprocessor and Microcontroller Based Systems
- Microwave and Radar Technology
- MIMO Technology
- Modern Control Systems
- Network & Coupled Circuits
- Optical Communication
- Robotics and Neural Networks
- Speech/Signal/Image Processing
- VLSI Design
- Wireless Communication
- Wireless Sensor Networks
- Fabrication and Characterization
- Simulation and Modelling of Electronic Systems
- Network Analysis and Synthesis

## Guidelines for Submission of Papers

Authors are requested to submit their research paper using Times New Roman format with font size 10 in MS Word in Two column format as specified by IJERT journal. The completed papers should be mailed to [racon2019@jecrc.ac.in](mailto:racon2019@jecrc.ac.in). Paper should have an abstract of 150 words, 4-6 Key words, figures, diagrams, tables, graphs and reference in prescribed format and full length of Paper not more than 6 pages. Selected papers will be published online in "International Journal of Engineering Research & Technology (IJERT (ISSN: 2278-0181)). **Template can be found at:** <https://www.ijert.org/downloads>



## Important Dates

Last Date for	Date
Submission of Manuscript	05/03/2019
Acceptance Notification	10/03/2019
Registration	16/03/2019

## Registration Fees

Category	Amount*
Research Scholars/Students	Rs. 300/-
Academicians	Rs. 300/-
Industry Persons	Rs. 300/-

\*Amount for two participants only

## Payment Mode

Participants should make their payment through DD/NEFT/Cheque in the name of Jaipur Engineering College and Research Centre, Jaipur. If paid in cash, Contact Mr. Rajesh Bathija, Organizing Secretary (RACON-2019) JECRC, Jaipur.

## Online Payment Account Details

A/C Name : Jaipur Engineering College and Research Centre, Jaipur  
Bank Name : Punjab National Bank  
Branch : Pratap Nagar, Jaipur  
A/C No. : 3952002100013695  
IFSC Code : PUNB0395200

## Contact

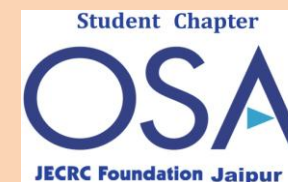
Mr. Rajesh Bathija +91-8619635046  
Mr. S S Manaktala +91-9251039748

## Address for Correspondence

HOD ECE  
Jaipur Engineering College & Research Centre  
Shri Ram Ki Nangal, Via Sitapura RIICO, Opp.  
EPIP Gate, Tonk Road,  
Jaipur- 302022 (Rajasthan)

## Accommodation

Jaipur offers a range of accommodation to economy and luxury class hotels within 10 km from the Conference Venue. Delegates are requested to book the accommodation in advance to get preferred choice. Limited accommodation is available on payment basis at JECRC Student Hostels at nominal charges on first cum first serve basis.



## REGISTRATION FORM

**National Conference**  
**On**  
**“Recent Advances in Communication, Optics and Nanoscience-2019”**

**RACON -2019**

**March 16-17, 2019**

1. Name: .....  
(In Capital Letters)
2. Title of Paper: .....  
.....
3. Organization: .....  
.....
4. Address (Correspondence): .....  
.....
5. Contact No.: ..... 6. E-mail ID:.....
7. Category (Please Mark):  
(i) Research Scholar/Student  
(ii) Academician  
(iii) Industry Person
8. Registration Fee Detail:  
Amount Rs. ....  
D.D. No./NEFT Transaction ID .....  
Bank Name: .....  
Date: ..... Signature of participant

**NOTE:** Certificate will be given to registered participants only.