

### Chief Patron

**Dr. P. Shyama Raju**  
Chancellor, REVA University

**Shri. Umesh S Raju**  
Pro Chancellor, REVA University

### Patrons

**Dr. M. Dhanamjaya**  
Vice Chancellor, REVA University

**Dr. Rajashekhar C. Biradar**  
Pro VC, REVA University

**Dr. N. Ramesh**  
Registrar, REVA University

**Dr. B P Divakar**  
Dean, Research and Innovation Council

### Convener

**Dr. K M Sudharshan**  
Director, School of ECE, REVA University

### Advisory Committee

**Dr. R. Venkata Siva Reddy**, Professor  
**Dr. Bharathi S. H.**, Professor  
**Dr. Mrinal Sarvagya**, Professor  
**Dr. P. I. Basarkod**, Professor  
**Dr. Mahesh Chandra**, Professor  
**Dr. Karthik Rajendra**, Professor  
**Dr. Nayana D K**, Professor  
**Dr. Gyanappa Walikar**, Professor  
**Dr. T.S.Jayadev**, Professor  
**Dr. Veena.K N**, Associate Professor  
**Dr. Manjula.R B**, Associate Professor  
**Dr. Prameela Kumari. N**, Associate Professor

**Dr. Prashant V.Joshi**, Associate Professor  
**Dr. Devanathan M**, Associate Professor  
**Dr. Deepthi Murthy T S**, Associate Professor  
**Dr. Raganna A**, Associate Professor  
**Dr. Shailendra Misra**, Associate Professor  
**Dr. VidyaSagar K N**, Associate Professor  
**Dr. Sankata Bhanjan Prusty**, Associate Professor  
**Dr. Nataraj Urs H D**, Associate Professor  
**Dr. MD Ali Baig**, Associate Professor  
**Dr. Chaya**, Assistant Professor  
**Dr. Nikhath Tabassum**, Assistant Professor  
**Dr. Vibhu Srivastava**, Assistant Professor

### Program Coordinators

**Dr. Prasenjit Deb** (70852 73753)  
Assistant Professor, School of ECE, REVA University  
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**Dr. Venkateshappa** (99802 61535)  
Professor, School of ECE, REVA University  
Email: [venkateshappa@reva.edu.in](mailto:venkateshappa@reva.edu.in)

### Registration Fee

		Foreigner
Industry Participants	1000 INR	12.16 USD
Academician	500 INR	6.08 USD
Research Scholar	500 INR	6.08 USD

### Mode of Payment: Online Transfer Link

<https://payment.reva.edu.in/>

### Online Registration Google Form Link

[https://docs.google.com/forms/d/e/1FAIpQLSew-mvg5sbC-IMx2SFH8RBDDhZiph9PO00PlG4AY\\_EolTPDyGg/viewform?vc=0&c=0&w=1&flr=0](https://docs.google.com/forms/d/e/1FAIpQLSew-mvg5sbC-IMx2SFH8RBDDhZiph9PO00PlG4AY_EolTPDyGg/viewform?vc=0&c=0&w=1&flr=0)



**REVA**  
UNIVERSITY

Bengaluru, India



**SERB Sponsored**  
**(Under Symposium & Seminar Scheme)**  
**Five-day Workshop**  
**on**

**Recent Trends in Engineering**  
**Nano-Materials & Nano-Technology**  
**for Optoelectronics and Memory**  
**Application**

**22nd to 26th May, 2023**

**Organised by**  
**School of**  
**Electronics and Communication Engineering**

Rukmini Knowledge Park,  
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Rukmini Educational  
Charitable Trust

[www.reva.edu.in](http://www.reva.edu.in)

## About REVA University

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2013 in Bengaluru, the IT capital of India. The University is recognised by the University Grants Commission (UGC) and is approved by the AICTE (All India Council for Technical Education).

REVA University prides itself in contributing to every student's holistic development. The University currently offers 41 full-time Under Graduate Programmes, 32 full-time Post Graduate programmes, 18 PhD programmes, and certification and diploma programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines. The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.

Teachers and instructors with illustrious academic experience are the architects of the meticulously designed curriculum and program modules offered at REVA University. They come with industrial exposure and experience that often translates through their teaching, thus bridging the gap between the industry and academia.

REVA University has an updated, ever-evolving collection of books, journals, and digital content in the library with the latest IT infrastructure that ensures students have information at their disposal. The lush green campus, state-of-the-art laboratories, custom-designed classrooms to enable seamless learning, and world-class indoor and outdoor sports facilities make REVA University the most preferred university among students and MNCs that visit the campus for placements.

## About the School

The school of Electronics and Communication Engineering offer B. Tech in Electronics and Communication Engineering ECE, B Tech in Electronics and Computer Engineering, B Tech in Robotics and Automation and M. Tech programs in various specialized streams. Course curriculum of school of ECE is designed to give greater emphasis on core Electronics and Communication Engineering with a flexibility to areas like circuits, devices, signal processing, communication engineering and programming. B. Tech in Electronics and Computer Engineering B. Tech (ECM) program is designed to provide quality education imparting skills on Electronics, hardware, software and IT development. The school has well experienced faculty and staff to cater to the academic and overall development of students. The School of ECE labs are equipped with advanced hardware and software tools to pursue research in the field of signal processing, VLSI and Embedded Systems, MEMS, Wireless Communication and sensor Networks. In the fields of open core RISC-V, cyber security in automotive electronics, defense & aerospace, and nano electronics, the school of ECE has industry-supported labs with NXP, SPARK MINDA, and CENTUM.

## About the FDP

The faculty development program (FDP) will help to enhance the knowledge on emerging nanomaterials for various fields of application such as UV & IR photodetectors, organic light-emitting diodes, perovskite solar cells, and charge blockage techniques for resistive & capacitive memory applications, etc. The discussion will improve faculty members' teaching skills and research in the field of advanced engineering materials & nanotechnologies. The five-day FDP will provide a better vision of the recent trends in the field of advanced nanomaterials fabrication and the application of synthesized devices in numerous fields. This will explore various analytical instruments, device characterization (optical, structural, morphological, and electrical), and a catalyst deactivator unit for testing the efficiency of the catalyst. The program is broadly focused on dimension-based nanomaterial fabrication with a top down and bottom up approach, which is subjected to enrichment with prototypes of device application like a monochromatic detector, solar cell, and memory.

FDP will bring experts in the fields of cutting edge technologies in the state-of-the-art of various multi-disciplinary fields using nanomaterials and their use with knowledge of various challenges being faced by researchers from bringing the nanomaterials from lab to real world adaptability. The goal of this course is to give academic people who are now working in this subject or plan to work in this platform to fold and provide a definite concept on diverse nanomaterials and their application in optoelectronics, biomedical, gas sensing, memory, electronic, and several other domains. The program will also motivate researchers to do research proposals with useful applications aiming the leading research in nanotechnology area.

## Resource Persons

- Dr. Jay Chandra Dhar, Assistant Professor & HOD ECE and NIT Nagaland Dimapur
- Dr. Rajshree Rajkumari, Assistant Professor, IIIT Manipur, Manipur
- Dr. J. P. Singh, Professor & Head of Nanoscale Research Facility GLAD and Nano-CVD lab IIT Delhi
- Dr. Deepak Samuel, Associate Professor, Dept. of Physics, Central University of Karnataka
- Dr. Vinod Chippalkatti, President SEBU, CENTUM Electronics Limited, Bangalore
- Dr. Debajit Deb, Assistant Professor ECE and KL University, Vijayawada
- Dr. Fenil Panwala, Assistant Professor EIE and Siddaganga Institute Of Technology, Bangalore
- Dr. Bapi Debnath, Associate Professor ECE and MVJ College of Engineering
- Dr. Argha Sarkar, Associate Professor, CSE and REVA University
- Dr. Vibhu Srivastava, Assistant Professor, ECE and REVA University
- Dr. Venkateshappa, Professor, REVA University, Bengaluru.
- Dr. Prasenjit Deb, Assistant Professor, ECE and REVA University
- Dr. Madhusudana Reddy M B, Professor, Applied Sciences and REVA University
- Dr. Ponnamm Anjaneyulu, Assistant Professor, Applied Sciences and REVA University

### Vision of the REVA University

REVA University aspires to become an innovative university by developing excellent human resources with leadership qualities, ethical and moral values, research culture and innovative skills through higher education of global standards.

### Mission of the REVA University

- To create excellent infrastructure facilities and state-of-the-art laboratories and incubation centers.
- To provide student-centric learning environment through innovative pedagogy and education reforms.
- To encourage research and entrepreneurship through collaborations and extension activities.
- To promote industry-institute partnerships and share knowledge for innovation and development.
- To organize society development programs for knowledge enhancement in thrust areas.
- To enhance leadership qualities among the youth and enrich personality traits, promote patriotism and moral values.

### Vision of the School of ECE

The School of Electronics and Communication Engineering is envisioned to be a leading centre of higher learning with academic excellence in the field of electronics and communication engineering blended by research and innovation in tune with changing technological and cultural challenges supported with leadership qualities, ethical and moral values.

### Mission of the School of ECE

- Establish a unique learning environment to enable the students to face the challenges in the field of Electronics and Communication Engineering and explore multidisciplinary which serve the societal requirements.
- Create state-of-the-art laboratories, resources, and exposure to the current industrial trends to enable students to develop skills for solving complex technological problems of current times and provide a framework for promoting collaborative and multidisciplinary activities.

- Promote the establishment of Centres of Excellence in niche technology areas to nurture the spirit of innovation and creativity among faculty and students.
- Offer ethical and moral value-based education by promoting activities which inculcate the leadership qualities, patriotism and set high benchmarks to serve the society.

### About SERB

About SERB: One of the most notable developments in the S&T sector in the XI Plan has been the setting up of the Science and Engineering Research Board (SERB) through an Act of Parliament, viz. the Science and Engineering Research Board Act, 2008. Promoting basic research in Science and Engineering and to provide financial assistance to persons engaged in such research, academic institutions, research and development laboratories, industrial concerns and other agencies for such research and for matters connected therewith or incidental thereto are the primary and distinctive mandate of the Board.

### Who can participate?

Researchers/Faculty members of Universities/Colleges/Institutes are eligible to apply. The number of participants will be limited to 50 only.

### Travel

Travelling allowance will not be provided by the organizers. Participants have to make their own arrangements.

**Accommodation:** Will be provided on request.

### Certification

A test shall be conducted by coordinator at the end of the program. The certificate shall be issued to those participants who have attended the program with 100% attendance and scored minimum 60% marks in the test.



### Important Dates

Last date (Registration & Payment)	12/05/2023
Selection List by E- mail	15/05/2023