

Guidelines for Submission of Papers :

- Paper must be in Times New Roman, 12 Font size in MS Word only.
- Paper should have an abstract of 150 Words, 4-6 key words & length of paper should be 6-8 Page (in A-4 Size).
- Figure, Diagram, Tables should have proper description at right place.
- References in IEEE Reference Style.
- All Papers will go through a review process.
- Author must have to submit a duly signed Copy Right Transfer Form.
- **Authors must have to follow the date(s) as mentioned.**

Papers selected in NCRASE-2019 will be considered for publication in Vol.10 (2019) No.1 Jan.-Jun. 2019/ No.2 Jul.-Dec. 2019 Issue of

- ISST Journal of Applied Physics [ISSN: 0976-903X]
- ISST Journal of Applied Chemistry [ISSN: 0976-7355]
- ISST Journal of Mathematics and Computing System [ISSN:0976-9048]
- ISST Journal of Electrical & Electronics Engineering [ISSN:0976-7363]
- ISST Journal of Mechanical Engineering [ISSN:0976-7371]

Three best papers will be honored by presenting a Memento & Certificate.

Important Dates

Dates For	Date
Submission of Paper	20 April 2019
Acceptance Notification	23 April 2019
Registration and PPT Submission	25 April 2019

Registration Fees

Category	Amount
Research Scholar and Students	Rs. 750/-
Academician and Faculty Members	Rs. 1000/-
Industry Persons	Rs. 1500/-

Payment Methods

Registration fee may submit through D.D./Ch./NEFT in favour of "Regional College for Education Research & Technology" payable at "Jaipur" and send to Organizing Secretary (NCRASE-2019).

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Accommodation : Jaipur offers a range accommodation to economy and luxury class hotels within 5 Km. of conference venue. Delegates are requested to book the accommodation in advance to get preferred choice. Limited accommodation is available on payment basis at RCERT Hostel at nominal charges on first come first serve basis.

Please write or call us by 25 April 2019.

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National Conference on RECENT ADVANCES IN SCIENCE AND ENGINEERING

NCRASE-2019

1-2 May, 2019



Organized by

**Regional College for Education Research & Technology,
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About Conference

NCRASE-2019 provides graduates with the range of practical skills needed to be successful engineers in any industry where modern industrial and manufacturing control systems are heavily used. Students are exposed to all engineering fields, include CAD (computer aided design) and spatial analysis, statics and dynamics, optimisation techniques, properties and strength of engineering materials, mechanical drives, automobile engineering, cryogenics, ergonomics, and applied science.

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Jaipur, popularly known as the "Pink City", and "Paris of India", is the capital of Rajasthan state, India. Jaipur is worldwide famous for unique Architecture, Vastu, Astrology, Forts, Monuments, Palaces, Art and Craft, Culture and last but not least for unique food. Jaipur is renowned on international tourism map as one vertex of golden triangle of Indian tourism. Many scripts and poems have been written on the beauty of Jaipur city by domestic tourists as well as foreign tourists. Countless documentary movies have been made on Jaipur in last 250 years.

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Education is the foundation upon which a progressive nation stands and its citizens, made responsible by that education, are the building blocks of that foundation. **Regional College** brings with itself a unique blend of experience and technology which is dynamic and changing.

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Sub Themes (Not Limited to)

Computer Science and Information Technology:

- Cloud Computing
- Big Data Infrastructure and Hadoop
- Data Encryption
- Data Mining and Warehousing
- Software Engineering and Testing Tools
- Computer Architecture and Organization
- Cluster Computing, Mobile Computing
- Distributed and Parallel Processing
- Network Security and Cryptography
- Pattern Recognition, Computer Graphics
- Artificial Intelligence, Neural Networks, Fuzzy Logic
- Parallel and Distributed Computing
- Data Communication and Networking
- Open Source Software
- Modern Computer Hardware Materials etc.

Mathematics:

- Mathematical Modeling and Simulation
- Operations Research
- Riemannian Geometry, Differential Geometry
- Special Functions, Geometric Function Theory
- Fluid Dynamics
- System Simulation, Graph Theory
- Differential Equations, Integral Transform
- Computational Mathematics, Numerical Analysis
- Finite Element, Topology, Linear Algebra
- Probability, Stochastic Processes
- Linear and Multilinear Algebra
- Matrix Theory, Measure and Integration
- Functions of a Complex Variable

Physics:

- Nanomaterials
- Mathematical Methods in Physics
- Classical and Quantum Physics, Mechanics
- Relativity and Gravitation
- General Theory of Fields and Particles
- Magnetic Materials & Materials for Optical Storage
- Semiconductor Devices
- Surfaces, Interfaces and Thin Films
- Amorphous Materials
- Radioactivity and Electromagnetic Transitions
- Plasma Physics
- Laser Physics and Applications
- Acoustics, Crystallography

Chemistry:

- Analytical and Environmental Chemistry
- Green Chemistry
- Photo Chemistry
- Pharmaceutical Chemistry
- Polymer Science
- Waste Water Treatment
- Electro Chemistry, Spectroscopy
- Synthetic Chemistry
- Nanotechnology and Nano-Toxicology
- Spectroscopy and Physical Chemistry
- Inorganic and Co-ordination Chemistry
- Organometallic Chemistry and Surface Chemistry
- Bio-Organic and Bio-Inorganic Chemistry
- Natural Products, Biological and Medicinal chemistry

Mechanical Engineering:

- Advanced Methods in Manufacturing
- Conventional, Non Conventional Energy Sources
- Computational Methods in Fluid Dynamics
- Fluid Mechanics and Hydraulic Machines
- Advancements in Material Science
- Compressible Flow, Gas Turbines
- Project Planning, Scheduling and Control
- Composite Materials
- Tribology
- Heat Transfer and Thermodynamics
- Welding and Welding Technology
- Power Plant Engineering
- Automobile Engineering
- CAD/CAM/CIM/CAE
- Metallurgy and Metallurgical Sciences
- Bio-Energy, Bio-Fuels

Electrical and Electronics Engineering:

- Advanced Power Electronics and its Applications
- Advanced Electric Drives
- Electrical Engineering Materials
- Electrical Energy Systems
- Smart Grid Technology
- Power System Reliability Engineering
- Signals and Systems
- Electric Sensor, Antenna and Wave, VLSI
- Microprocessor, Microcontroller, Embedded Systems
- Digital Signal Processing and Digital Image Processing
- Robotics and Mechatronics
- Wireless & Satellite Communications
- Optoelectronic and Photonic Devices
- Optical Fibre Communication



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