

Six Day Faculty Development Programme on "Advanced Functional Materials"

05th – 10th August, 2019

Organised by

Department of Physics and Department of Chemistry &
Centre of Excellence – Macroelectronics, RVCE

REGISTRATION FORM

Name: _____

Designation: _____

Industry/Faculty/Student: _____

Organization: _____

Address: _____

Mobile: _____ e-mail: _____

Gender (Please tick): ☐ M ☐ F Accommodation (Please tick): ☐ Y ☐ N

Registration Details

DD No. & Date: _____

Amount: _____

Bank: _____

Branch: _____

Place: _____ Date: _____

Applicant's Signature

Signature of the Head of Institution /
Sponsoring Authority

(Please feel free to photocopy if more than one participant is registering)

Rashtreeya Sikshana Samithi Trust

RV College of Engineering®

(Autonomous Institution Affiliated to VTU, Belagavi)

Bengaluru - 560 059. Karnataka



Six Day Faculty Development Programme on "Advanced Functional Materials"

05th – 10th August, 2019



Organised by

Department of Physics, Chemistry
&

Centre of Excellence – Macroelectronics, RVCE

ABOUT RVCE

Rashtriya Vidyalyaya College of Engineering (RVCE) established in 1963 is the flagship institution of Rashtriya Sikshana Samithi Trust (RSST) and one of the earliest self-financing engineering colleges in the country. RVCE today recognized as one of India's leading technical institutions. It is rated amongst the top five self-financing Engineering colleges in the country. Several leading National English magazines have rated the institution as the one of the best institute in the nation amongst self-financing institutions, based on Return on Investment by a student. RVCE ranked 63rd in the country by MHRD-NIRF (2018-19).

RVCE is an autonomous institution affiliated to Visvesvaraya Technological University (VTU) Belagavi. The institution offers 12 Bachelors and 19 Post-graduate programs. Fifteen departments are VTU recognized research centres for M.Sc (Engg.) and Ph.D. studies. The institution is accredited by NAAC. Eleven UG programs and Ten Post-graduate programs are accredited by National Board of Accreditation (NBA).

The institution has students strength of about 5500, research scholars 200 guided by more than 375 qualified faculty. The placement in most of the departments is over 95%.

The institution has to its credit over 1200 National and International Journal publications, filed over 40 patents, 29 published patents, completed sponsored research and consultancy projects worth Rs. 25.0 crores.

About Organizing Department

The faculty of Physics and Chemistry are actively involved in the diverse fields of research in conjunction with Interdisciplinary Research Centre (IDRC) established under TEQIP, Centre of Macroelectronics in areas of thin films, Polymer nanocomposites, Environmental radioactivity, Condensed matter physics (Experimental and Theoretical), Organic Material synthesis, Inorganic Complexes, Nano materials, Medicinal Chemistry, Elastomeric Materials and Electrospun Polymeric Films etc.

About Faculty Development Programme

Today's research aims at developing new functional materials at Nano/microscale and exploiting their inherent properties to develop devices that work with very high efficiency and accuracy, utilising least energy for working. Functional materials, possessing specific inherent properties and functions of their own are being developed to serve a specific purpose such as sensing, bio sensing, energy conversion, energy storage etc. Batteries, capacitors, fuel cells, solar cells and sensors are some of the critical devices expected to play a dominant role in finding solutions to the problems of today.

The objective of the proposed six-day FDP is to discuss the recent developments made in the field of advanced material and the ongoing research activities covering various areas. In particular, the workshop will emphasise on materials and device fabrication for solar energy conversion and sensors. The FDP encompasses invited talks, hands on experience in the various fields of materials and industry visit.

Areas covered:

- ♦ Design and synthesis of novel multifunctional nanomaterials, their applications in Engineering.
- ♦ Piezoelectric materials for sensor application.
- ♦ Materials for energy conversion and storage.
- ♦ Fabrication and characterisation of solar cells.
- ♦ Training on Fabrication Equipment: Sputtering, Spin Coating Characterization Equipment's-XRD, AFM, SEM etc.,
- ♦ Demonstration of Sensors by Industry Person

Who Would Speak and Train You?

The resource persons are from premier Institutions like IISc, IIT, JNCASR, NAL and others

- ♦ Dr. Premkumar Senguttuvan, JNCASR, Bangalore – Electrochemical Energy Devices.
- ♦ Dr. Vishnu Kant Bajpai, IIT Bombay – Solar PV Technologies
- ♦ Dr. Ramakrishna Matte, CENS, Bangalore – Organic Solar Cells
- ♦ Dr. G.Nagaraju, SIT, Tumkur – Advanced Electrode Materials for Li ion Battery
- ♦ Dr. Anjana Jain, NAL, Bangalore – Piezoelectric Polymers and its applications
- ♦ Dr. Tharamani, IIT Ropar, Punjab – Design of Sustainable catalyst for Tomorrow's Energy Claim
- ♦ Hands on training on Fabrication & Characterization of Materials at Interdisciplinary Research Centre (IDRC), RVCE

<https://rvce.edu.in/center-excellence-macro-electronics>

Who Can Attend?

Faculty, students and research scholars of Engineering and Degree Colleges.

Registration Fee

Industry Person	Rs. 5,000/- +18% GST
Faculty	Rs. 3,500/- +18% GST
Students	Rs. 1,500/- +18% GST

(Concession will be given for Group registration)

Demand Draft may be sent in favour of "**Principal, RVCE**" payable at Bengaluru. Payments can also be made online. The details are as follows:

SB A/c No.: 136010112055
Name: Principal, RVCE
Bank: Kotak Mahindra Bank
Branch: RVCE
IFSC: KKBK0008053

Registration fee does not include accommodation charges. Accommodation will be provided on request with a nominal fee at RVCE Hostel. Kindly send the scanned copy of DD and the filled registration form via email.

Last date for registration: 01st August 2019

Chief Patron

Dr. M.K. Panduranga Setty, President RSST

Advisory Committee

Dr. K.N. Subramanya, Principal, RVCE
Dr. M. Krishna, HoD, Mechanical Department
Dr. H. Narasimha Murthy, Director R&D
Dr. M.K. Sudha Kamath., HoD-Physics
Dr. Raviraj Kusanur, HoD, Chemistry
Dr. Uttara Kumari, Professor, EC, Co-ordinator CoE-ME
Dr. S. Satyanarayana, Professor, Chemistry
Dr. T. Bhuvaneshwara Babu, Professor, Physics
Dr. K Natarajan, Professor, Chemistry

Organising Committee

Dr. T.K. Subramanya, Associate Professor, Physics
Dr. Tribikram Gupta, Assistant Professor, Physics
Dr. P. Ramya, Assistant Professor, Physics
Dr. Karthik Shastri, Assistant Professor, Physics
Dr. C. Manjunatha, Assistant Professor, Chemistry
Dr. Sham Aan, Assistant Professor, Chemistry
Dr. Swarna M. Patra, Assistant Professor, Chemistry
Dr. K.A. Vishnumurthy, Assistant Professor, Chemistry
Dr. Sateesh Babu Gandla, Scientific officer, IDRC

Co-ordinators

Dr. G. Shireesha
Assistant Professor, Physics, R V College of Engg.,
R V Vidyanikethan Post, Bengaluru – 560 059
e-mail: shireeshag@rvce.edu.in Mobile: 90365 96525

Dr. Divakara S.G.
Assistant Professor, Chemistry, R V College of Engg.,
R V Vidyanikethan Post, Bengaluru – 560 059
e-mail: divakarsg@rvce.edu.in Mobile: 94825 44945

Six Day Faculty Development Programme on “Advanced Functional Materials”

05th - 10th August 2019

To



Rashtreeya Sikshana Samithi Trust
RV COLLEGE OF ENGINEERING[®]
(Autonomous Institution Affiliated to VTU, Belagavi)
Bengaluru - 560 059, Karnataka, INDIA