

## TRAVEL & ACCOMMODATION

Accommodation facilities for the outside participants will be provided on request. No TA/DA allowance.

## REGISTRATION FEES

Industry Persons	–	Rs 2500/-
Faculty	–	Rs 1250/-
Research Scholars	–	Rs 750/-

## REGISTRATION

A Demand Draft (DD) in favour of 'The Principal, SJCE, Mysuru' payable at Mysuru shall be submitted to the coordinators along with the duly filled application. Spot registration will also be positioned. Application form can also be downloaded from our website: [www.sjce.ac.in](http://www.sjce.ac.in)

## ADDRESS FOR COMMUNICATION

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Professor & Head

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### Prof. Mahadeva Prasad .P

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## PATRON

His Holiness Jagadguru Shri Shivaratri Deshikendra  
Mahaswamigalavaru

## ADVISORY COMMITTEE

Dr. B. G. Sangameshwara, Vice Chancellor, JSS S&T U

Dr. K. S. Lokesh, Registrar, JSS S&T U

Dr. T. N. Nagabhushan, Principal, SJCE

Dr. B. Manoj Kumar, TEQIP Co-ordinator

## ABOUT THE DEPARTMENT

**Polymer Science & Technology:** It was established in 1988 and is one of its kind in the state of Karnataka. It has produced 24 batches of B.E., 8 batches of M.Tech & more than 30 Ph.Ds. Active in research publishing more than 300 research papers, and also offers M.Sc by research program. Department has completed R&D sponsored projects from UGC, CSIR, DST, DRDO, AICTE, VGST & others. Nodal point for Indian Rubber Institute, Karnataka Branch.

**Physics :** It was established along with the Institution in the year 1963. The academic activities of the department are teaching, research and conducting Faculty development program, Workshops, Seminars, Guest lecturers. The department of Physics has been recognized as a research center under JSS S&T University Mysuru and VTU Belagavi.

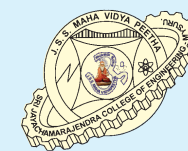
## TOPICS TO BE COVERED

- ❖ Nanocomposites/Smart materials in automobile industries
- ❖ Piezoelectric materials & Optoelectronics.
- ❖ Thermo-responsive materials.
- ❖ Shape memory Alloys.
- ❖ Photovoltaic's & Photomechanical materials.
- ❖ Smart packaging materials
- ❖ 3D-Printing the Future of manufacturing.
- ❖ Sensors.
- ❖ Dielectric Elastomers & pH Sensitive polymers.
- ❖ Smart & Electro active polymers.
- ❖ Self healing and Chemo responsive materials.
- ❖ Smart hydrogels



JSS MAHAVIDYAPEETHA

SCIENCE AND  
TECHNOLOGY  
UNIVERSITY  
MYSURU



**JSS Science and Technology University**  
Sri Jayachamarajendra College of Engineering,  
JSS Technical Institutions' Campus,  
Mysuru – 570 006, Karnataka, India.

# NPIU

National Project Implementation Unit

## TEQIP-III Initiative

One Week

Faculty Development Program

On

## 'Recent Trends in Smart Materials & their Applications'

30<sup>th</sup> July – 3<sup>rd</sup> August 2018

Jointly Organized by

DEPARTMENT OF  
POLYMER SCIENCE AND TECHNOLOGY  
& DEPARTMENT OF PHYSICS

PROGRAMME CO-ORDINATORS

Dr. Siddaramaiah

Prof. Mahadeva Prasad .P

## JSS MAHAVIDYAPEETHA

JSS Mahavidyapeetha was established in the year 1954 to impart quality education and to shape the young minds into good citizens. The core purpose of the JSSMVP is to transform lives through the philosophy of 'education for all'. JSSMVP with its high ideals has been serving remarkably in religious, social, educational & economic spheres in the state and across the country.

## JSS SCIENCE & TECHNOLOGY UNIVERSITY

In accordance with GOK's Vision, JSS Science & Technology University was established in the year 2016 under JSSMVP with a vision 'to be an effective instrument in enhancement of knowledge in the society and thus the social transformation, through national focus, global reach & multidisciplinary approaches'.

## SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING

Sri Jayachamarajendra College of Engineering (SJCE), conceived in 1963, is the dream child of Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamigalavaru, the 23rd pontiff of Sri Suttur Mutt. It comes under the aegis of JSSMVP. As one of the leading institutes in India, SJCE has been recognized under the TEQIP and also accredited by National Board of Accreditation (NBA). The institution also has the reputation of academic, excellence in professionally oriented programs, and equal proficiency in extra-curricular activities, that makes it a lucrative option for students from all over the country.

## ABOUT TEQIP

Technical Education Quality Improvement Programme-TEQIP is the World Bank assisted project under Government of India for the improvement of technical education. The first phase was focused on Infrastructural and overall development of technical institutes and the second phase focuses on Research, Innovation and scaling-up Post Graduate education. About 190 institutions including NITs all over the country are benefitted by the project.

SJCE has successfully completed World Bank assisted TEQIP – I & II scheme as a lead institute and has been appreciated by SPFU, NPIU & MHRD. SJCE has successfully implemented TEQIP III till date, expenditures are incurred under all heads and almost all the project targets have been achieved till date.

## ABOUT PROGRAM

Smart materials are the materials with properties engineered to change in a controlled manner under the influence of external stimuli such as temperature, force, moisture, electric charge, magnetic fields and pH. Existing smart materials are already an intrinsic part of modern society. Nanotechnology is rapidly entering the world of smart materials and taking them to the next level by making them as highly intelligent materials. Perhaps future nanotechnology enabled smart materials will have the smart structure and flexibility to change shape and properties as required by the environment for various applications in the field of healthcare, energy generation & conservation, smart textiles, security and surveillance, defense, aerospace etc., for the benefit of mankind.

The main objective of the programme is to enlighten and impart knowledge on advanced technology involved in the designing & fabrication of smart materials to the faculty members as well as research scholars of science, engineering & technology, so that they can extend their research activities to the next level of smart applications.

The Program includes series of lectures from the resource persons who are popular and conventional in this field, visits to research labs of the institute and also to outside the institute such as DFRL, CFTRI, Mypol and Brakes India.

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## REGISTRATION FORM

Name:.....

Designation:.....

Address:.....

.....

.....

Mob. No. ....

e-mail:.....

### REGISTRATION FEE DETAILS

DD Number : .....

Amount : .....

Date : .....

Bank and branch : .....

Place : .....

Signature  
(Applicant's)

Signature  
(Institute Head with seal)