

## About the Conference

The Science and Engineering play a vital role in building the nation with new technology and innovations. Science is known as the study of understanding, which is made into a system and depends on analyzing and understanding facts. Technology is basically the application of this scientific knowledge. Hence, science & technology can help generate inclusive and sustainable development in all aspects of the nation. Indian science has come to be regarded as one of the most powerful instruments of growth and development especially in the emerging scenario and competitive economy. In the wake of recent developments and the new demands that are being placed on the S&T system, it is necessary to deliberate upon some major science related issues which have relevance to national needs and will be of relevance for tomorrow's technology. BIET would focus on the role of Science & Technology for development in India across all sections of the society. The theme of this conference has been aptly chosen as One Day National Conference on Recent Trends in Application of Science in Engineering (NCRSE-2018). This conference is expected to give a new direction and impetus to research & development in Techno scientific era.

## About Davangere

Davanagere is one of the major cities in the Indian state of Karnataka. Previously known for its Cotton mills, it is fast developing into one of the major cities of Karnataka. Davanagere was famous for textiles. It is also famous for its educational institutes. It has two medical colleges, three engineering colleges and a number of other colleges offering courses in arts, commerce and science. The student population is made up of the people from different cities and states in India. There are a limited number of foreign students studying at Davanagere. Davanagere lies in the borders of deccan plateau, just above the historic Chitradurga. The prominent cities/towns in this district are Harihara, Honnali and Chennagiri. Neighboring Districts are Shimoga, Haveri, Chitradurga and Bellary.

## Host Organization

Bapuji Institute of Engineering and Technology (BIET) is one among the top ten self-financing Engineering Institutions in the state of Karnataka accredited by NAAC 'A' Grade for providing high quality education to bring out skilled engineers and technocrats. It is affiliated to Visvesvaraya Technological University, Belagavi. The greenery campus spread over an area of 63 acres provides the state of art infrastructure and facilities. The institute provides an ideal ambience for teaching-learning process, co-curricular and extra-curricular

activities to achieve excellence in technical education, research and promotion of entrepreneurship. The institute has consistently produced skilled and outstanding engineers who have excelled in their career and occupied responsible positions in some of the best known enterprises in India and across the globe. The institute has been moving forwards in achieving academic excellence with a strong commitment and dedicated approach. The institute has got recognition by UGC under section 2F of UGC act.

## Hosting Departments:

**Department of Chemistry:** Established in this institute during the year 1979. The department was headed by Dr.S.Manjappa (1979-2012). The department now heading by Dr.B.E.Basavarajappa from 2012. The department is well established both in terms of infrastructure as well as in terms of qualified and dedicated faculty. The Chemistry department is also running a Technical Chemistry Lab for Chemical Engineering stream. The department is also providing the facilities to cater the needs of UG and PG students of different streams to carry out their academic project works. The department is recognized by VTU, Belagavi as a research centre to pursue Ph.D programs. 14 candidates have been awarded Ph.D degree from the department.

**Department of Physics:** Established in this institute during the year 1979. The department was headed Prof M.S.Devendrappa(1979-2012), Dr.G.J.Shankaramurthy (2012-2013). The department now is heading by Prof.V.K.Geetha from 2014. The department is well established both in terms of infrastructure with qualified and dedicated faculty.

**Department of Mathematics:** Established in this institute during the year 1979. The department was headed by Prof.Sampangiramaiah (1979-1982) Dr.B.Verappa (1982-2004) & Prof M P Rudrappa (2004-2006). The department now is heading by Dr.K.S.Basavarajappa from 2006. The department is well established both in terms of infrastructure as well as in terms of qualified and dedicated faculty. The department is also providing the facilities to cater the needs of UG and PG students of different streams to carry out their academic works in teaching and learning. The department holds research centre recognized by VTU, Belagavi to pursue Ph.D programs. 3 candidates have been awarded Ph.D degree from the department.

## Inauguration of the Program

**Date : 28-09-2018**

**Time : 10.00 a.m.**

**Venue: Swamy Vivekananda Seminar Hall  
(E&E Block, Ground Floor)**

## Organizing Committee:

### Chief Patron:

**Dr.Shamanur Shivashankarappa**, Honourable secretary, BEA

**Sri.S.S.Mallikarjuna**, Honourable Joint-secretary, BEA

**Sri.A.C.Jayanna**, Chairman, BIET

**Prof.Y.Vrushabhendrappa**, Director, BIET

**Dr.S.Subrahmanyaswamy**, Principal, BIET

## Scientific Advisory Board

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**Dr.B.E.Rangaswamy**, Dean R&D, Prof & HOD of BT, BIET.

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**Dr.S.Manjappa**, Professor, Dept. of Chemistry UBDTCE, Davangere.

**Dr.B.P.Nandeeshwarappa**, Professor, Dept. of Chemistry, Davangere University.

**Dr.Somashekhar**, Prof & Head of CCE, Mangalore University.

**Dr. Kulkarni**, Professor, Dept. of Physics, UBDTCE, Davangere.

**Dr.G.J.Shankaramurthy**, Professor, Dept. of Physics UBDTCE, Davangere.

## Coordinators:

**Dr.B.E.Basavarajappa**  
Professor & Head  
Department of Chemistry  
BIET, Davangere

**Smt.V.K.Geetha**  
Asst.Professor & HOD  
Department of Physics  
BIET, Davangere

## Co-ordinators

**J K Prasanna kumar**  
Asst.Professor  
Department of Chemistry  
BIET, Davangere

**Smt.Ashwini M Rao**  
Asst.Professor  
Department of Mathematics  
BIET, Davangere

## Editorial Board

**Smt. Sunanda S Naik**

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Department of Mathematics

BIET, Davangere

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Department of Chemistry

BIET, Davangere

**T.K.Krishnakumar**

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Department of Physics

BIET, Davangere

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**Sri.S.A.Gangaraju**, Asst.Prof. of Geology.

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**Dr.N.S.Basavarajappa**, Asso. Prof. of Mathematics.

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**Smt Mani K S**, Asst. Prof of Mathematics.

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**Ms.Veena**, Asst.Prof.of Physics.

**Ms.Shwetha U R** Asst.Prof. of Chemistry.

**Manjunath**, Asst.Prof. of Physics.

**Sathish S**, Asst. Prof of Mathematics.

**Ms.Divya B**, Asst. Prof of Mathematics.

**Ms.Ashwini R K**, Asst.Prof. of Chemistry.

**Ms.Sangeetha Tigari**, Asst.Prof.of Mathematics.

## Call for Papers:

Extended abstract of Technical Papers for NCRSE-2018 are Solicited in Science & Engineering areas. The Abstract should be one page and to be mailed to [pcmbiet@gmail.com](mailto:pcmbiet@gmail.com). The selected Papers would be published in the conference proceedings. Authors are requested to submit one page abstract of their contributions. The title of paper should be followed by author(s) name, affiliation, e-mail address, abstract, supporting figures and tables etc. The template in MS word format Times New Roman: Title-14 font size, Content-12 font size.

## Registration Fee:

**Research Scholars/ Faculty Members** : Rs.200

**Students** : No Registration Fee

**Last date for receipt of registration** : 26-09-2018

**Last date of intimation of selection** : 26-09-2018

**Note:** Please send the filled and scanned registration copy to the following email id for confirmation: [pcmbiet@gmail.com](mailto:pcmbiet@gmail.com). No TA/DA will be given to the participants.

# NCRSE-2018

## Registration Form

Name : .....

Qualification : .....

Designation : .....

Department : .....

Institution : .....

Address : .....

Contact Ph. No : .....

E-mail ID : .....

Category : Faculty / Research Scholar / Student / Industry

Accommodation required : YES / NO

Abstract submitted : YES / NO

Payment Details: On Spot registration

Signature of the Participant Signature of Head of the Organization

## Address for Correspondence:

**Dr.K.S.Basavarajappa**  
Organizing Secretary NCRSE-2018  
Professor & Head

Department of Mathematics  
**Bapuji Institute of Engineering and Technology**  
PO. Box-325, Shamnur Road, Davangere – 577 004  
[email:pcmbiet@gmail.com](mailto:email:pcmbiet@gmail.com)

**Contact: 9844488220, 9731984886, 8762112073**

Bapuji Educational Association (R)  
**Bapuji Institute of Engineering and Technology**  
(Accredited by NAAC 'A' Grade)  
**Davangere-577004, Karnataka**

**Science Forum**  
**Indian Society for Technical Education**  
**Jointly organizing**



**One Day**  
**National Conference on Recent Trends on the**  
**Applications of Science in Engineering**  
**(NCRSE-2018)**

**Date: 28-09-2018**

**Venue: Swamy Vivekananda Seminar Hall**  
**(E&E Block, Ground Floor)**



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**Department of Physics, Chemistry and Mathematics**  
**Bapuji Institute of Engineering and Technology**  
(Accredited by NAAC 'A' Grade)  
**Davangere-577004, Karnataka**