

## 1. Novel Approaches for Sustainability in Engineering Systems

Sustainability is gaining increased attention in all sectors and has gained significance globally. Sustainability is the ability to meet the needs of the present without compromising the future generations aspirations, by satisfying the global challenges. Engineering projects have significant impact on environment, society, and economy, both locally and globally. Adverse effects of climate change, over exploitation of natural resources has lead to the inclusion of sustainability as a major factor in planning and designing of the engineering projects. These concerns have to be taken into account and weigh them against other values, such as safety, profitability, and expediency. To perform this the engineers have to master other domains of knowledge, as they play leveraged roles at economic front that are increasingly dependent on technology. This symposium has been devised to introduce various facets of sustainability systems amongst the researchers.

## 2. Emerging Trends in Smart Systems

The effectiveness and efficiency of computing and information processing systems are intricately linked to advancements in both hardware and software domains. Advanced smart electronic systems are designed to address the requirements of efficient and secure management of data sensing, storage, processing and computation. At the same time, the significance of optimized algorithms and software for rapid analysis and retrieval of specific information is on the rise. These smart systems are being adopted across industries due to their ability to address Environmental, Societal, and Economic concerns. Decision making in various sectors at different scales is being assigned to smart systems which understand and analyze a situation based on the data available in a predictive and adaptive manner. This needs design and development of smart systems to incorporate functions of sensing, actuation and control to perform smart actions. This symposium has been planned to ignite the research interest on advanced aspects of smart systems in the researchers.

## About College

Basaveshwar Engineering College (BEC), Bagalkote is an autonomous institution approved by AICTE affiliated to VTU Belagavi. The college offers 9 undergraduate and 10 postgraduate programs with 10 departments recognized as R&D centers, by VTU, Belagavi, in addition to 5 QIP centers. The core values of the institution emphasize on teaching-learning and research processes. All the eligible UG departments are accredited by NBA and also the College is accredited by NAAC. BEC is placed in rank band of 151-300 by NIRF, MoE New Delhi for the last 5 years. The college has many credentials viz. i) Established AICTE-IDEA lab worth Rs. 1.10 Crores ii) Selected under Paramarsh Scheme of UGC for mentoring five Engineering Colleges iii) Recognized as Incubation Centre by IT-BT, GoK iv) E-Lead Certification by QS I-Gauge v) Institution Innovation Council placed in Gold category and vi) Participated in all three phases of TEQIP, and recognized as best performing institute.

## About Symposia

Two symposia are being organized by BEC, one in IT and another in Non-IT streams. The Symposia are oriented towards bringing together researchers and professionals working in recent emerging multi-disciplinary areas. Eminent researchers from IISc, IITs and IIITs are delivering the technical sessions. The event will serve as an important forum for stimulating technical discussions resulting in exchange of ideas in multi-disciplinary areas.

## Objectives

- To promote state-of-the-art research in multi-disciplinary areas
- To facilitate research collaboration with academia and industry
- Identify the mechanisms for strengthening research and development in the institution

## Who Should Attend

- Faculty Members of Academic Institutions
- Research Scholars
- Students (UG/PG)
- Working Professionals



**Basaveshwar Engineering College**  
Bagalkote- 587102, Karnataka, India



is organizing

**National Symposia**

(08 - 09 Sept. 2023)

**1. Novel Approaches for Sustainability in Engineering Systems**

(Non-IT Stream)

**2. Emerging Trends in Smart Systems**

(IT Stream)



## Distinguished Speakers



**Dr. Ravindra Gudi**  
IIT, Bombay

**Dr. K. G. Srinivasa**  
IIIT, Naya Raipur



**Dr. Lakshminarayana Rao**  
IISc, Bengaluru



**Dr. Somashekar S. Hiremath**  
IIT, Madras



**Sri. Sanjeev C. Gour**  
ISRO, Hassan



**Dr. Dhiraj Patil**  
IIT, Dharwad



**Dr. H. K. Saradana**  
Director IIIT, Raichur



**Dr. Dinesh M. S.**  
Philips India



## Venue

Multimedia Seminar Hall and Gallery Hall  
Basaveshwar Engineering College, Bagalkote

## Chief Patrons

Dr. Veeranna C. Charantimath, Chairman, BVV Sangha  
Sri. Mahesh Athani, Hon. Secretary, BVV Sangha  
Dr. R. N. Herkal, Technical Director, BVV Sangha  
Dr. S. S. Injaganeri, Principal, BEC, Bagalkote

## Organizing Chair

Dr. Veena S. Soraganvi, Dean (R&D)

## Conveners

Dr. Vinay V. Kuppast, HoD, Mechanical Engineering  
Dr. V. B. Pagi, HoD, CSE

## Advisory Board

Dr. P. N. Kulkarni, Dean (Academic)  
Dr. Bharati S. Meti, Dean (Student Welfare)  
Dr. Anil D. Devangavi, Dean (Quality Assurance)  
Dr. S. G. Kambalimath, Dean (Career Guidance & Placement)

## Organizing Committee

Dr. P. G. Rakaraddi, HoD, Civil Engineering  
Dr. D. S. Jangamshetti, HoD, EEE  
Dr. K. Shridhar, HoD, ECE  
Dr. Shobha R. Patil, HoD, ISE  
Dr. C. M. Javalagi, HoD, IPE  
Dr. V. G. Akkimaradi, HoD, Automobile  
Dr. Krishnamurthy Bhat, HoD, EIE

## Registration Details

### Link for Registration:

<https://forms.gle/cdBzcEzs6ujvtp918>

### QR Code for Registration:



### Registration Fees:

**Faculty Members/Industry Professionals:** Rs.500/-  
**Students/Research Scholars** : Rs.200/-

### Account Details:

**Bank Name** : Canara Bank  
**Account Number** : 8684101001650  
**IFSC** : CNRB0008684

**Last Date for Registration : 04.09.2023**

## Additional Information

### Accommodation

Limited accommodation available based on first come first serve basis

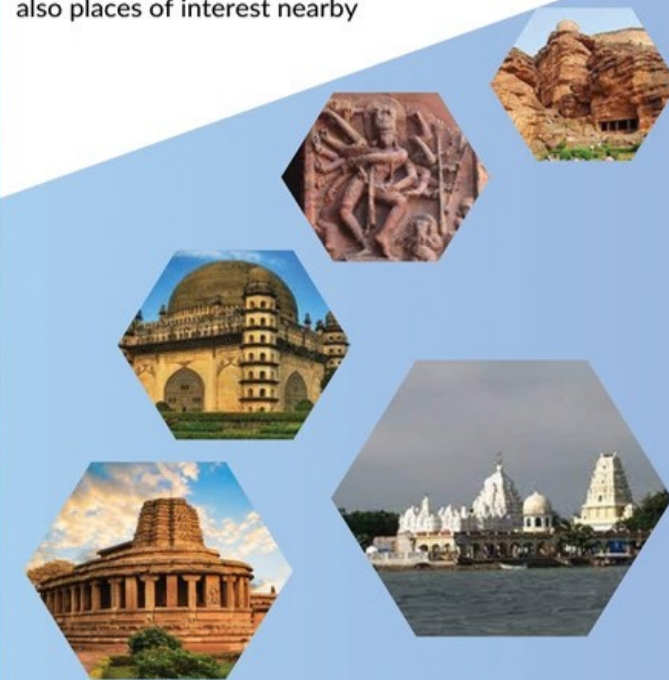
### How to Reach Bagalkote City

Nearest Airports: Hubballi and Belagavi, 120 km from Bagalkote

Railway Station: Bagalkote, (5 km)

### Places to Visit

Historical places: Badami, Pattadakallu, and Aihole with ancient architectural monuments and temples are within 50 km range from Bagalkote city  
Gol Gumbaz, Alamatti Dam, Kudala Sangam etc., are also places of interest nearby



**Basaveshwar Engineering College**  
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Note: No TA and DA will be provided to the Participants