

### Chief Patron

**Prof. C. R. Tripathy**  
Vice Chancellor, BPUT Odisha

### Patron

**Prof. D. Patnaik**  
Principal, GCEK, Bhawanipatna

### Chairman

**Prof. K. C. Panda**  
Professor & Head, CE Dept., GCEK, Bhawanipatna

### Convenor

**Prof. G. C. Behera**  
Asso. Prof., CE Dept., GCEK Bhawanipatna  
**Prof. P. K. Muduli**  
Asso. Prof., CE Dept., GCEK Bhawanipatna

### Co-Convenor

**Prof. S. Panda**  
Asst. Prof., CE Dept., GCEK Bhawanipatna  
**Prof. J. K. Naik**  
Asst. Prof., CE Dept., GCEK Bhawanipatna  
**Prof. S. K. Sahu**  
Asst. Prof., CE Dept., GCEK Bhawanipatna

### Advisory Committee:

**Prof. C. B. K. Rao**, Prof., CE Dept., NIT Warangal  
**Prof. S. K. Das**, Prof. & Head, CE Dept., IIT Dhanbad  
**Prof. P. K. Parhi**, Prof., CE Dept., CET Bhubaneswar  
**Prof. T. Sahu**, Principal, GCE, Keonjhar  
**Prof. S. S. Pusadkar**, Prof. & Head, CE Dept., GCOE Jalgaon  
**Prof. S. S. Das**, Prof. CE Dept., VSSUT Burla  
**Prof. S. B. Singh**, Prof., CE Dept., BITS Pilani  
**Prof. B. Panda**, Prof., CE Dept., IGIT Sarang  
**Prof. P. Pani**, Prof., CE Dept., IGIT Sarang  
**Prof. R. P. Nanda**, Asso. Prof., CE Dept., NIT Durgapur  
**Prof. B. B. Das**, Asso. Prof., CE Dept., NIT Suratkal  
**Prof. S. R. Dash**, Asst. Prof., CE Dept., IIT Bhubaneswar  
**Prof. T. K. Nath**, Prof. & Head, Dept., IGIT Sarang  
**Prof. S. K. Dash**, Asso. Prof., CE Dept., IIT Kharagpur  
**Prof. C. R. Mohanty**, Prof., CE Dept., PMEC Berhampur

### Technical Committee

**Prof. T. D. G. Rao**, Prof., CE Dept., NIT Warangal.  
**Prof. S. Sahoo**, Asso. Prof., CE Dept., NIT Meghalaya.  
**Prof. G. K. Pothal**, Asso. Prof., CE Dept., IGIT Sarang.  
**Prof. S. K. Patra**, Prof. & Head, CE Dept., VSSUT Burla  
**Prof. R. K. Panigrahi**, Asso. Prof., CE Dept., VSSUT Burla  
**Prof. T. Jena**, Asst. Prof., CE Dept., ITER, Bhubaneswar  
**Prof. R. N. Behera**, Asst. Prof. CE Dept., NIT Rourkela.  
**Prof. D. Giri**, Asso. Prof., CE Dept., VSSUT, Burla

### Organizing Members

**Prof. D. P. Dash**, HOD, EE Dept.  
**Prof. M. Rout**, HOD, ME Dept.  
**Prof. D. R. Nayak**, HOD, CSE Dept.  
**Prof. C. R. Dash**, HOD, Basic Sc. Dept.  
**Prof. Priya S.**, HOD, Humanities Dept.  
**Prof. R. K. Swain**, Asso. Prof., EE Dept.  
**Prof. A. K. Baliarsingh**, Asso. Prof., EE Dept.  
**Prof. A. K. Patnaik**, Asst. Prof., ME Dept.  
**Prof. S. Sahoo**, Asst. Prof., CE Dept.  
**Prof. M. Priyadarshini**, Asst. Prof., CE Dept.  
**Prof. M. Patnaik**, Asst. Prof., CE Dept.  
**Prof. K. P. Sethy**, Asst. Prof., CE Dept.  
**Prof. P. Harish**, Asst. Prof., CE Dept.  
**Prof. V. M. Reddy**, Asst. Prof., CE Dept.  
**Prof. N. Gupta**, Asst. Prof., CE Dept.  
**Prof. L. P. Panda**, Asst. Prof., Humanities Dept.  
**Prof. S. Patnaik**, Asst. Prof., Humanities Dept.  
**Prof. M. K. Nath**, Asst. Prof., EE Dept.

### Finance Committee

**Prof. J. K. Naik**, Asst. Prof., CE Dept.  
**Prof. S. K. Sahu**, Asst. Prof., CE Dept.  
**Prof. P. Harish**, Asst. Prof., CE Dept.  
**Prof. N. Gupta**, Asst. Prof., CE Dept.

### Sponsorship

Organizations willing to come forward and financially support the conference can get in touch with conference members. Category of Sponsorship, Fees & Entitlement of free delegates & presentation, are as follows:

**Platinum** : Rs.30,000/+ 3 Delegates+20 Min. Presentation  
**Gold** : Rs.20,000/+ 2 Delegates+15 Min. Presentation  
**Silver** : Rs.10,000/+2 Delegates+10 Min. Presentation



## NATIONAL CONFERENCE on SUSTAINABLE MATERIALS AND PRACTICES FOR INFRASTRUCTURE DEVELOPMENT

**(SMPID-2020)**

**Sponsored By:**  
**TEQIP-III**

**1<sup>st</sup> & 2<sup>nd</sup> May, 2020**



**Organised By:**

**Department of Civil Engineering  
Government College of Engineering,  
Kalahandi, Bhawanipatna**

**Venue:**

**Conference Hall  
Government College of Engineering, Kalahandi,  
Bhawanipatna**

**Inaugural Ceremony:**

**Date- 01.05.2020  
Time-10:00 A.M**

## About the Institute

Government College of Engineering, Kalahandi (GCEK) was established in the year 2009 by an act of Govt. of Odisha and stands a humble spectacle where tradition meets modernisation; aspiration meets inspiration, where our aim is to keep scaling new heights. Functioning as a constituent college of Biju Patnaik University of Technology(BPUT), Rourkela, Odisha, the college offers 4 years Under Graduate B.Tech degree programmes in Civil Engineering, Computer Science & Engineering, Electrical Engineering and Mechanical Engineering. GCEK also offers Master's degree in Thermal Engineering and Power System Engineering. The institute has been successful in keeping itself up to the standards by surpassing the expectation in producing a brand of engineers capable of adapting all over the world. The exact location is besides the NH-201 (Bargarh-Boriguma), about 5 Km away from Bhawanipatna on the way to Junagarh.

## About Civil Engineering Department

The Department of Civil Engineering was started from 2009 with the inception of institution, Government College of Engineering Kalahandi with an aim to produce high quality Civil Engineering graduates to serve in different organizations. The Department offers B.Tech degree in Civil Engineering with intake strength of 60. In the department there are one Professor, two Associate Professors and eleven Assistant Professors. The faculty members of the department are well qualified having their highest degrees from reputed institutes like IITs and NITs. Department has well-equipped laboratories and state-of-art facilities for development of both students and faculties. The departmental vision is to accomplish excellence in Civil Engineering through innovation and research to serve the Nation.

## About the Conference

National Conference on **SUSTAINABLE MATERIAL AND PRACTICES FOR INFRASTRUCTURE DEVELOPMENT (SMPID-2020)** focuses on emerging research and developments in infrastructure with emphasis on eco-friendly materials and practices. The infrastructures, which are being constructed today, will shape our lives tomorrow. The complex and diverse nature of the impacts due to climate change / weather extremes on civil infrastructures can be seen in our roadways, railways, bridges, flyovers, harbours, buildings etc. Extreme summer temperatures, flash floods, and rising numbers of freeze-thaw cycles pose challenges for civil infrastructure and can endanger public safety. Thus, civil infrastructures require constant attention, maintenance, and upgradation. Use of sustainable resources and design practices in various infrastructural sectors is the key to respond the impending crisis. Structural, geotechnical, environmental aspects along with transportation networks and water resources management are critical areas to be considered.

SMPID-2020 provides a forum for the dissemination of latest technical information, publication of the high-quality research results and debate on the new trends in the area of infrastructure with lower ecological footprint.

## Themes for Conference :

- Concrete Structures & Steel Structures
- Self Compacting Concrete
- Waste/Recycle Materials in Infrastructure
- Advancements in Mitigation of Structures against Natural Hazards
- Eco-Friendly Construction Techniques/ Practices
- Composite Materials
- Ground Improvement Techniques
- Environmental Geotechnique
- Sustainable Pavement Materials/Design
- Urban Water Treatment and Sewage Systems

- Solid Waste Management Systems
- Air Quality Improvement and Monitoring Techniques
- Developing Self Healing Techniques
- Coastal Infrastructure
- Flood Mitigation Measures

## Accommodation:

The participants have to make their own arrangement for stay during the conference, however the list of hotels and guidance will be provided by the organisers.

## Submission of Abstract:

Authors are invited to mail the abstract within 250 words with Times New Roman 12 font size to [smpid2020@gmail.com](mailto:smpid2020@gmail.com). All the information about the conference can be obtained in the college website [www.gcekbpatna.ac.in](http://www.gcekbpatna.ac.in). Detailed information of all the authors (Name, Affiliation, mail\_id and contact numbers must be provided). The format for full length will be uploaded in the college website.

## Registration Fee

Students / Faculty Participant : Rs. 500/-

Industry Participant: Rs. 600/-

The Registration fee includes training kit, breakfast, working lunch and dinner.

## Important Dates:

Last date of abstract submission: **10<sup>th</sup> Feb, 2020**

Notification of acceptance of abstract: **17<sup>th</sup> Feb, 2020**

Last date of submission of full length paper with format: **16<sup>th</sup> Mar, 2020**

Notification of review comments on full length paper: **25<sup>th</sup> Mar, 2020**

Last date of final submission of full length paper: **04<sup>th</sup> April, 2020**

## Contact Details:

Email: [smpid2020@gmail.com](mailto:smpid2020@gmail.com)

Prof. G. C. Behera: 9515082735

Prof. P. K. Muduli: 9437811142