

"Who dares to teach must never cease to learn"



AICTE-ISTE
Sponsored



**One-Week INDUCTION / REFRESHER
PROGRAMME (14.01.2022 – 20.01.2022)**

On

**Recent Advances In Civil Engineering &
Construction Techniques**

Organized by



**DEPARTMENT OF CIVIL ENGINEERING
BHUBANANDA ORISSA SCHOOL OF
ENGINEERING, CUTTACK**

SCB Medical College Road, Mangalabag

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ORGANISING COMMITTEE:

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ASSISTANT COORDINATORS

**Er. ChaitanyaHembram, B. Tech
Lecturer (Civil)
Er. Khitish Kumar Sahoo, B.Tech
Lecturer (Civil)
Er. MalabikaPatra, B. Tech
Sr. Lecturer (Civil)**

Programme Registration:

AICTE-ISTE Refresher Programme is open to all faculty members of AICTE approved institutions, research scholars and employees of Government organizations and industries. No registration fee is required for participants. However, priority will be given to Life Members of ISTE. Short listed candidates will be intimated through their registered email id. **Digital certificates** will be issued to those attending 80% of lectures and scoring at least 60% in the objective tests to be conducted at the end of each day.

Instruction to Participants:

The Refresher Programme will be conducted in On-line mode for duration of four and half hours in three sessions each of one and half hour duration everyday from 14.01.2022 to 20.01.2022. Maximum number of participants is limited to 100.

Registration Link:

Participants can register online through this link:

<https://forms.gle/K6GqupuhZNYgVV6e9>

Click Here to Register

REGISTER

Important Dates:

Last date for registration : 11.01.2022

Confirmation of participation : 12.01.2022

Contact Details:

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BOSE, THE INSTITUTION:

Established in the year 1923 under the name of Orissa School of Engineering, latter renamed as Bhuvananda Orissa School of Engineering (BOSE), has come a long way through its 100 years of journey. It is one of the very few technical institutions that have a distinction of completing hundred years of establishment. All through its journey, it has successfully catered to the need of supervisory technical manpower of Odisha as well as the country as a whole. The presence of BOSE via its alumni can be seen in the industrial world of India. At present, BOSE, Cuttack proudly runs eight disciplines of Diploma in Engineering with the following vision and mission.

Vision:

- To accomplish and sustain academic eminence in the sphere of technical education in the state of Odisha
- To become an acclaimed and the most sought after diploma institution that every young and aspiring student would feel proud to be a part of.

Mission:

- To nurture development of skill and core competence, inspire innovation and promote distinction in students to enable them to stand out in their academic pursuit.
- To hone the raw talent in the students and produce intellectually sound, technically resourceful and professionally competent diploma graduates to strive into the challenging world to make a difference.



BOSE, CUTTACK

THE DEPARTMENT:

Department of Civil Engineering, BOSE, Cuttack has always been known for its qualitative teaching since its inception. It has carved a niche for itself in the field of technical education and providing skilled supervisory manpower to the Industry for a long time. Its contribution to the growth of infrastructure facilities in the state of Odisha is immense. The Department is proud to have alumni working in every sphere of life and contributing to the infrastructural growth of the nation.



Department of Civil Engineering

AICTE:

Established as a national-level Apex Advisory Body in the year 1945, and later on given statutory authority in 1987 by an Act of Parliament, **All India Council for Technical Education (AICTE)** is vested with statutory authority for planning, formulation and maintenance of norms and standards, quality assurance through school accreditation, funding in priority areas, monitoring and evaluation, maintaining parity of certification and awards and ensuring coordinated and integrated development and management of technical education in the country.

ISTE:

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System.

As a strategic partner of AICTE, the major objectives of ISTE are:

- Providing quality training programmes to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity.
- To assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organisations.
- Providing guidance and training to students to develop better learning skills and personality.

About The Programme:

Continuous learning to upgrade one's knowledge and skill is paramount for teachers. This **Refresher Course/Induction Course** is designed keeping in view the fast changing technology and rapid advancement in construction materials, methodology and supervision. Presently, there are diverse and advanced type of modern construction methods that have been adopted by the construction industry, which is a significant improvement over the prefabs constructed in the post-world war II period. To name a few methods; *Volumetric or modular construction, Panelized construction systems, Hybrid construction, Subassemblies and components, Site based Modern Method of Construction.* Modern Construction Methods (MMC) has the potential to speed up delivery, improve productivity and modernize the construction sector. Performance is much more closely monitored and scrutinized through digitization and manufacturing. The term manufacturing is fast replacing the term construction. Under this backdrop, the topics have been selected to familiarize the faculties of Polytechnics and Engineering Colleges to whip their imagination and instigate appetite to learn newer and better construction methodologies.

Resource Persons:

Eminent academicians from IITs, NITs, R&D institutions and professional experts from construction industries have been invited as resource persons.

PROGRAMME SCHEDULE

Day 1: Friday 14.01.22	Session 1: Inauguration of Programme Session 2: Cold-Formed Steel Construction Session 3: Emerging Construction Techniques For Mass Housing
Day 2: Saturday 15.01.22	Session 1: Concrete for Low Carbon Construction Session 2: Precast Concrete Building Session 3: Design and Construction of Ash Disposal System
Day 3: Sunday 16.01.22	Session 1: Geo-barrier System for Soil Slope Protection Session 2: Application of LoRaWAN for Monitoring Concrete Construction Session 3: Overview of Construction Material: Durability & Repair
Day 4: Tuesday 18.01.22	Session 1: National Education Policy Session 2: Concrete Construction- Challenges For The Future Session 3: Failures In Flexible Pavement
Day 5: Wednesday 19.01.22	Session 1: Expanded Polystyrene Technology For Mass Housing Session 2: Precast Concrete Structures Session 3: Stress Management
Day 6: Thursday 20.01.22	Session 1: Sustainable Materials & Construction Techniques Session 2: Retrofitting & Rehabilitation Scenario of Bridges: Case Studies Session 3: Assessment & Feedback and Valediction

Address for Correspondence:

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“Listening is the most important skill to learn, and the most important to have.”