

## CHIEF PATRON

**Kavi Kireeti Dr. V MALAKONDA REDDY**  
President, CBIT

## PROGRAM MONITORING COMMITTEE

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**Prof. A. D. SARMA** (Subject Expert)  
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Head, Dept. of EEE

**Prof. K. RADHIKA** (Member)  
Head, Dept. of IT

## COORDINATORS

**Prof. D. KRISHNA REDDY** (Member secretary)  
Head, Dept. of ECE

**Smt. K.S.R.S. JYOTHSNA**  
Asst. Prof., Dept. of ECE

## CO-COORDINATORS

**Sri. M.V. NAGABHUSHANAM**  
Assistant professor, Dept. of ECE

**Sri. MOHD ZIAUDDIN JAHANGIR**  
Assistant professor, Dept. of ECE

**Registration Fee: FREE**

## IMPORTANT DATES (Phase I)

Last date for registration : **16-11-2020**

Intimation of selection : **20-11-2020**

## IMPORTANT DATES (Phase II)

Last date for registration : **30-11-2020**

Intimation of selection : **04-12-2020**

## HOW TO APPLY

The applicants can register with the following links for phase I and/or phase II. Selection will be on first come first serve basis.

## REGISTRATION LINK (Phase I)

<https://forms.gle/7duDV4rJyL536nsz8>

## REGISTRATION LINK (Phase II)

<https://forms.gle/1QCuNFqnmHPQjQhf7>

E-certificate will be issued to participants who have attended the registered Phase with minimum 80% Attendance and scored minimum 60% marks in the Online Test which will be conducted at end of the respective Phase.

## FOR FURTHER DETAILS PLEASE CONTACT

E-mail: [tp.ececbt@cbit.ac.in](mailto:tp.ececbt@cbit.ac.in)

Website: [www.cbit.ac.in](http://www.cbit.ac.in)

Mobile: 9959540941, 9492424319, 9885717845



## AICTE Sponsored Short Term Training Program (Online Mode)

on

## CURRENT TRENDS AND EMERGING ADVANCES IN MARINE NAVIGATION AND COMMUNICATION

**Phase I: 23<sup>rd</sup> to 28<sup>th</sup> November, 2020**

**Phase II: 07<sup>th</sup> to 12<sup>th</sup> December, 2020**

**Organized by**

**DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING**



## **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (Autonomous)**

CBIT is one of the premier Engineering Institutes in India, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG Programs. It has been standing as a temple of knowledge for the past 41 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the Globe. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in reputed MNCs. The Institute has been Accredited by NAAC – UGC with ‘A’ Grade and the various programs are Accredited by NBA – AICTE. The UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.75 Crores. Stringent Academic Standards, Industry compliant Teaching Methodology, Research Projects from Private and Public Sector Industries in Engineering and Management and Consultancy Practice, enabled the Institute to establish its Identity in the Technical Education and is Ranked No. 1 amongst the Private Engineering Colleges in both the Telugu Speaking States.



## **ABOUT THE DEPARTMENT**

The Department of ECE was established in the year 1979 along with the inception of the institution. It offers an UG and two PG programs, one in Communication Engineering and other in Embedded Systems & VLSI Design. It has been continuously striving for excellence in engineering education and research. Accredited five times by NBA for UG program, twice for the PG (Communication Engineering) program and once for the PG (Embedded Systems and VLSI Design) program. The department has highly qualified and experienced faculty. The Department is recognized as "Research Centre" by Osmania University for pursuing doctoral studies. So far, 15 research scholars are awarded Ph. D and 46 research scholars are pursuing Ph. D under the supervision of the faculty. The Department has good infrastructural facilities with full-fledged academic laboratories. In addition, an exclusive Navigation and Communication Research Centre equipped with IRNSS receivers sponsored by SAC-ISRO (under MoU) is established. This Department has 7 MoU's with reputed organizations. The department has published one Indian Patent. The department has successfully executed 6 sponsored research projects to the tune of about Rs.80 Lakhs from agencies such as AICTE, DST etc. Also, 4 consultancy projects with total funding of Rs.33 lakhs from RCI and GE are completed. Department/Institute has been recognized as Nodal Centre under outreach program of Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun.

## **ABOUT THE STTP**

This training program on "Marine Navigation and Communication" will create awareness towards the current technologies and future trends in

this field of research among the participants. This kind of training program is one of its kind being organized in any academic institutions This program mainly aims to impart state of the art knowledge in this field among the participants in all aspects of Marine Navigation and Communication. The topics of this program are chosen such that it will exactly fit the long-term objectives of the esteemed 'Sagarmala Project' launched by Government of India. In the years to come it is expected that, a lot of employment opportunities will come up in this area.

## **TOPICS TO BE COVERED IN STTP**

The following prominent topics will be covered but are not limited to. It includes the introduction concepts as well as advanced topics in this area. Marine Navigation and Communication, Sea Surface Parameters & Forecasting, Marine Navigation Standards, Marine Navigation Aids, GNSS for Marine Navigation, DGPS & Augmentation Systems, Other Navigation and Satellite Constellations including IRNSS, RADAR Principles, Antenna Design & Drone Principles, Mathematical Modelling & Forecasting, Civilian & Strategic Applications and various research opportunities in this thrust area.

## **RESOURCE PERSONS**

Resource Persons will be from Renowned Institutions such as IIT's, NIT's, Industries like INCOIS, NPOL, NSTL, DRDO, ISRO.

## **TARGET GROUP**

The STTP is expected to benefit Faculty, Engineers, Scientists, Researchers, and PG Students.