



RESEARCH AND TRAINING UNIT FOR NAVIGATIONAL ELECTRONICS OSMANIA UNIVERSITY, HYDERABAD



Summer School on DIGITAL SIGNAL PROCESSING AND COMMUNICATION WITH PROGRAMMING (DSPC-19) (MAY 20, 2019 – JUNE 15, 2019) (Course Code: NERTU/SC/74)

Location : NERTU, Osmania University

Time : 09.00AM – 05.30PM (Monday-Saturday)

Faculty:

1. Prof.P.Laxminarayana, NERTU-OU
Few Invited Guest Lectures

Registration Fee (INR) : 18%GST will be extra.

Category	Fee (Rs.)	Total including GST (Rs.)
Students	5000	5900
Faculty	8000	9440

DD/Cheque should be drawn in favor of

The Director, NERTU, OU

Or online payment through NEFT to

The Director, Eqpt. Maint., NERTU, OU

A/C No. : 52198270713

IFSC Code: SBIN0020071

Osmania University Branch, State Bank of India

Last Date for Registration : 01st May 2019

Written Test (If required) : 10th May 2019

Interested candidates can visit www.osmania.ac.in or <http://www.uceou.edu> for more details like faculty, schedule and registration form. Register for the course by sending the filled registration form along with receipt of online payment to nertu.courses@osmania.ac.in and copied to email IDs of Co- Coordinators.

or hard copy with DD/Cheque to

“The Coordinator, DSPC-19, Research and Training Unit for Navigational Electronics (NERTU), Osmania University, Hyderabad 500007”.

For Schedule and other Details please contact

Coordinators and Teaching Assistants

1. Ch.Srinu, Research Scholar, NERTU
Ph. 0903 293 0657, sreenu471.ece@gmail.com
2. S. Saraswathi, Research Scholar, NERTU
Ph.09948991235, sirikondasaraswathi@gmail.com

About School

The final year academic projects in the UG and PG courses are introduced in the curriculum to have the exposure and experience of implementation of already published paper or new idea/algorithm or development of some technology, using the skills and knowledge obtained in the course work. However, students are lacking skills in programming with modularity, readability, flexibility and proper programme flow to implement an idea/algorithm. Consequently, after completion of the course, many students require further training in basic concepts and programming. However many industries are looking for candidates with skills, ready to work on their ongoing projects. This is the course to fill the gap between the academics and industry by developing the necessary skills to make them to work on real time projects in the areas of signal processing and communication engineering, immediately after joining/employed in the industry. The course will have theory lectures, assignments with programming and feedback on their submitted assignments.

Objectives of the Course

1. To acquire Basic concepts of Digital Signal Processing and Digital Communication.
2. To obtain the necessary skills in programming with modularity, readability, flexibility, naming the variables etc., for implementing the given algorithm. This requires practice on implementation of mini projects, and making them to use in a big/complex project.

Targeted Participants

Faculty/Ph.D./M.E./M.Tech. Students, only BE/B.Tech. Pre Final and Final year students of ECE/CSE/EEE with interest to work in the areas of signal processing and communication engineering, are the expected participants. This is an intensive school. Participants are expected to complete the assignments within the stipulated time by working at home or unit. Grading will be given in the certificate based on the assignments completed. Participants have to bring their own laptops for the lab sessions. The number of participants is limited and if more number of applications are received before due date, written test will be conducted in the basic concepts in the signal processing to choose the candidates.

Tentative Schedule (Monday-Saturday)

09-00 – 11.00	Lecture (Theory)
11.30 – 13.00	Review/Demonstration of Lab Exercises
13.00 – 14.00	Lunch Break (Participants have to bring their own lunch)
14.00 – 17.30	Practicing

Detailed Schedule will be available on website from 20th April 2019.

ABOUT NERTU: The Research and Training Unit for Navigational Electronics (NERTU) is established in 1982. It is the focal point for research and training in the areas of Electronic Navigation in India. It is the first University centre to work in the area of Global Positioning System (GPS) and GPS Aided Geo Augmented Navigation (GAGAN) System. Since its inception, NERTU has been conducting almost one or two short term courses per year in the area of GNSS, since 1992. Scientists, engineers, academicians and research scholars from many organisations have participated and benefited from these courses. NERTU has successfully **executed 61 sponsored and consultancy projects** funded by DRDO, ISRO, DST, MIT, ECIL, HAL, BEL, AICTE and ASL. It has also conducted **68 short term courses/workshops/conferences** on various topics of signal processing, communications and navigation.

Prof.P.Laxminarayana,

Director, NERTU, OU

Ph. 040-27098066 / 0949 080 5486 (mobile)

director.nertu@osmania.ac.in

laxminarayana@osmania.ac.in



**RESEARCH AND TRAINING UNIT FOR NAVIGATIONAL ELECTRONICS
OSMANIA UNIVERSITY - HYDERABAD 500007**



SUMMER SCHOOL ON

DIGITAL SIGNAL PROCESSING AND COMMUNICATION WITH PROGRAMMING (DSPC-19)

(Course Code: NERTU/SC/74)

(MAY 20, 2019 – JUNE 15, 2019)

(Monday – Saturday)

Registration Form

1. Name	
2. Designation/Class	
3. Organization with Address	
4. Educational Qualifications	
5. Professional Experience Teaching (Years)	
6. Areas of Research Interest/Working	1. 2. 3.
7. Email	
8. Phone	
9. Registration fee a. Amount b. NEFT/DD/Cheque No.	5000+900(GST) / 8000+1440(GST)

Signature of the Candidate with date

Last Date for Receiving the Application form: 1st May - 2019