Research and Training Unit for Navigational Electronics
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N O T I C E   Thursday, July 02, 2020

NERTU scientific staff along with few engineers from Industries, planning to guide ME/MTech/BE/BTech students of ECE, CSE, IT and EIE, for their final year projects in the areas of Signal Processing, Communication, Navigation, Artificial Intelligence & Machine Learning and Embedded Ssystems for the following domains for the academic year 2020-2021. Applications are invited from the interested students in the attached format by email.

1. **GNSS Signal Processing**
   a. Development of IRNSS and Other Software Receivers
   b. Development of Applications of Software Receiver
   c. Robust GNSS receivers

2. **Indoor Positioning and**
   a. Hybrid Navigation with GNSS, INS, Vision etc.
   b. Acoustic Navigation

3. **Autonomous Navigation**
   a. Navigation for Robots & MAVs/UAVs
   b. Simulatneous Location And Mapping
   c. Biomimicking Navigation

4. **Speech Signal Processing and Natural Language Processing**
   a. Automatic Speech Recognition
   b. Speaker Recognition
   c. Text-to-Speech Synthesis
   d. Chatbot
   e. Speech Enhancement

5. **Applications of Image Processing**
   a. Biomedical Signal and Image Processing
   b. SAR Image Processing
   c. Face Detection and Recognition

6. **Embedded Systems**
   a. Instruments for Biotechnology and Biomedical Applications.

Students, who are interested and ready to devote their full time for their final year project (2020-2021) in any of the above areas, can send their application (in the format attached) with interested topic and resume, by email to **plaxminarayana@yahoo.com** or **laxminarayana@osmania.ac.in** by **31 July 2020.** Pre-final year students, if they are interested to pursue their career in the research and development, can also aply now itself for their final year project.

However the applications received either for ME/M.Tech/BE/BTech. Projects, will be called earlier than due date also for discussion to find out their interest for selection of candidates, till all the vacancies are filled. Please forward to the students and friends and candidates interested.

Prof.P.Laxminarayana

RESEARCH AND TRAINING UNIT FOR NAVIGATIONAL ELECTRONICS

OSMANIA UNIVERSITY
APPLICATION FOR BE/BTECHME/MTECH PROJECT

Mobile Number: **eMail ID:**

1.	Name of the Candidate		
2.	Duration and Period of Project		….Months From …………….To ………………..
3.	Date of Birth and Age		
4.	Male/Female		
5.	Present Residential Address		
6.	Permanent Address		
7.	Areas of Interest for ME/MTech Project in priority		1. 2. 3. 4. 5.
8.	Are you interested do project related to Research or System Design and Development Mention your Priority		
9.	Do you have a system to do project Laptop/Desktop system (Specify)		

	Degree	Branch Specialization	Passing Year	Class	Grade %Marks	College	University	Remarks
1	SSC							
2	Inter/Diploma							
3	BE/BTech							
4	ME/MTech							
5								
6								

	EAMCET YEAR and RANK	GATE YEAR and RANK	PGECET YEAR and RANK
7.			

8. ME/MTech Subjects

	SUBJECT	%Marks		SUBJECT	%Marks
1			7		
2			8		
3			9		
4			10		
5			11		
6			12		

9.	BE/BTech Project (Abstract in 10 sentences)

10	If any other projects done (Describe all of them in brief)

11 Expertise in the programming Languages and Operating Systems

	Language/Operation System	Learnt as BE/ME Course or Executed a project with N-number of modules
1		
2		
3		
4		
5		
6		

12	Write down any other Comments/Information you are interested to Communicate.

Signature of the Candidate with date