

Alva's Institute of Engineering and Technology
Dept. of Electronics and Communication Engineering



We cordially invite you to the

Technical Talk on

PROGRAMME SCHEDULE

- Invocation
- Welcome Speech
- Introduction of Chief Guest
- Technical talk
- Honoring the chief guest
- Vote of thanks

"APPLICATIONS OF DSP IN EMBEDDED SYSTEM AND PATENT RIGHTS"

by

Dr. U.C. Niranjani
Adjunct. Professor, M I T Manipal,

Venue: Engg. Seminar Hall

Date: 4th December 2017 by 11 AM

Mr. Sudhakara H M

Mr. Aneesh Jain

Technical Coordinator

Dr. D V Manjunatha

H.O.D.

Staff & Students
Department of E & C Engineering



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Department of Electronics and Communication Engineering

Applications of DSP in embedded system and Patent Rights

Fifth technical talk conducted on 4th December 2017 was delivered by Dr. U.C. Niranjana Adjunct. Professor, M I T Manipal, on the topic “Applications of DSP in embedded system and Patent Rights”.



Inaugural Function of Talk

Different applications of signal processing in embedded systems designed for medical imaging, computer graphics, home theatre and telecommunications etc. are highlighted in the talk by the resource person. Need of sampling of continuous signal and roll of DSP processor to execute algorithms and perform numerical processing were discussed.



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Question and Answer Session by the Resource Person

He also explained the characteristics of good signal processor such as, fast in speed of processing, flexibility in computational devices, extended precision and dynamic range in computation units. Address generation in DSP and memory architecture are also elaborated. He Concluded a talk by giving different applications and patents rights, how to fill the patents.

Outcome: Students enlighten about Applications of DSP in embedded system and Patent Rights, which helps them to take up further project, placements higher studies.


Coordinator



Head of the Department

Dr. D V Manjunatha

H. O. D.

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Dr. U.C. Niranjana Adjunct. Professor, M I T Manipal

Dr. Niranjana U. C. is Director of Research and Training at MDN. He brings more than 18 years of experience and passion in signal-processing. Well known as a teacher and senior researcher, his students have spread far and wide. He was a visiting researcher at Parama Tech Biomonitoring Institute, Fukuoka, Japan in 1994 and 1996. He has been teaching at various levels at the Manipal Institute of Technology since 1986, and is currently a registered PhD advisor at the Manipal University. He was guest faculty at Mangalore University, NMAMIT Nitte, and Karmic Manipal.

Dr. Niranjana is a Senior Member of the IEEE and the past national secretary of the Biomedical Engineering Society of India. He has served on the technical program committees of a number of conferences and workshops including IEEE-EMBS Annual Conference, 1998, Hongkong, National Conference on Biomedical Engineering, 2001, Bangalore and National Conference on Knowledge Based Frontier Technologies, 2007, Manipal. He has published over 40 Journal and conference papers. He was winner of the Whitaker Foundation student paper competition in IEEE-EMBS Conference, Paris 1992 and the Young Investigator Award, ICSE Conference, Arizona 1996.



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Dr. Niranjana holds a PhD in Electrical Science from the Indian Institute of Science, Bangalore; M. Tech from KREC Surathkal and Bachelors in Electronics and Communication from the Gogte Institute of Technology Belgaum. A multifaceted personality, he also speaks German and Japanese, translates Vachanas of Basavanna, manages the Veera Shaiva Jangama Mutt and the Chitrakala Mandira Art School in Udupi. He can be reached by Email at niranjan at manipal dot net.