



Ref: AIET/2017-18/IPR/ECE/01

Date: 09/11/2017

To

The Principal

Alva's Institute of Engineering and Technology

Mijar Moodbidri 574225

Respected Sir

Sub: Requisition to conduct a talk on Applications of DSP in embedded system and Patent Rights

With reference to the above subject I request you to permit me to conduct a talk on "Applications of DSP in embedded system and Patent Rights" by Dr. U.C. Niranjana Adjunct. Professor, M I T Manipal in order to inculcate the research and patenting knowledge among the students on 4th December 2017. Kindly oblige and do the needful.

Thanking you

HOD

Dr. D V Manjunatha

H. O. D.

Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K



Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 09/11/2017

To,

Dr. U.C. Niranjana
Adjunct. Professor,
MIT Manipal,

Dear Sir,

Sub: Invitation for a talk on "Applications of DSP in embedded system and Patent Rights".

I am pleased to have the honour of inviting you for a talk on "**Applications of DSP in embedded system and Patent Rights**" for our institute technical activity. We have arranged your lecture at our institution on **4th December 2017**. Kindly accept our request as a guest speaker.

Thanking You

With warm regards


Principal

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Circular

It is hereby informed all the V A & B semester students to that there will be a talk on "Applications of DSP in embedded system and Patent Rights" by Dr. U.C. Niranjana Adjunct. Professor, M I T Manipal, on 04th ~~December~~ 2017 in Engineering Seminar hall by 11 AM. So all must present attendance will be monitored.


Mr. Sudhakara H M & Mr. Aneesh Jain

Technical Coordinator



Dr. D V Manjunatha

H.O.D.

H. O. D.

**Dept. Of Electronics & Communication
Alva's Institute of Engrg. & Technology
Mijar, MOODBIDRI - 574 225**

**ALVA'S INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

**Dept. of Electronics and
Communication Engineering**



**“APPLICATIONS OF DSP IN
EMBEDDED SYSTEM AND
PATENT RIGHTS”**

To,



We cordially invite you to the

Technical Talk on

**"APPLICATIONS OF DSP IN EMBEDDED
SYSTEM AND PATENT RIGHTS"**

by

Dr. U.C. Niranjan
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.

PROGRAMME SCHEDULE

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

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 niranjana at manipal dot net.



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Technical Talk Attendance

5TH SEM EC (A - SECTION)

Sl. No	USN	NAME OF THE STUDENT	24/08/17 TALK 1	13/10/17 TALK 2	10/11/17 TALK 3		
1	4AL14EC019	Bindu M D	P	P	P		
2	4AL14EC039	Harshitha M S	P	P	P		
3	4AL15EC001	A Shreya	P	P	P		
4	4AL15EC002	Akash Ashok Neelnayak	P	P	A		
5	4AL15EC003	Akshata Kashinath Shinde	P	P	P		
6	4AL15EC004	Akshata Patil	P	P	P		
7	4AL15EC005	Alfiya Kouser	P	P	P		
8	4AL15EC007	Amitkumar Konnur	P	P	P		
9	4AL15EC008	Ananya M	P	P	P		
10	4AL15EC009	Anjali H R	P	P	P		
11	4AL15EC010	Anusha K	P	P	P		
12	4AL15EC011	Arpana	P	P	P		
13	4AL15EC012	Ashritha	P	P	P		
14	4AL15EC014	Bindu P	P	P	P		
15	4AL15EC015	Chaithanya S P	P	P	P		
16	4AL15EC016	Challa Meghana	P	P	P		
17	4AL15EC017	Charan Raj S	P	P	P		
18	4AL15EC018	Deepika N Karanth	P	P	A		
19	4AL15EC019	Devika H S	P	P	P		
20	4AL15EC020	Dheeraj S Shetty	P	P	P		
21	4AL15EC021	Dinesh Nagappa Ambig	P	P	P		
22	4AL15EC022	Divyashree A K	P	P	P		
23	4AL15EC027	Gouthami K	P	P	P		
24	4AL15EC028	Haripriya R	P	P	P		
25	4AL15EC029	Harshitha D	P	P	P		
26	4AL15EC030	Harshitha N P	P	P	P		
27	4AL15EC033	Jeevitha K	P	P	P		
28	4AL15EC034	Joel Crasta B	P	P	P		
29	4AL15EC035	Karotiya Rishabh Radhekrishna	P	P	P		
30	4AL15EC037	Keerthana I K	P	P	P		
31	4AL15EC039	Lakshmi Narsimha	P	P	P		



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		Kulkarni	P	P	P		
32	4AL15EC040	Likhitha P	P	P	A		
33	4AL15EC044	Maha Lakshmi	P	P	A		
34		Mangarshi	P	P	P		
	4AL15EC046	Aishwarya					
		Nagaraj					
35		Manjula	P	P	P		
	4AL15EC047	Puranikmath					
36	4AL15EC048	Mayur Shikhare	P	P	P		
37		Megha A	P	P	P		
	4AL15EC049	Kadadavar					
38	4AL15EC051	Monisha P	P	P	P		
39	4AL15EC052	Namratha	P	P	P		
40	4AL15EC104	Abhishek	P	P	P		
41	4AL15EC105	Sambram	P	A	P		
42	4AL16EC402	Ganesh	P	A	P		
43	4AL16EC405	Mahesh B	P	P	P		
44	4AL16EC408	Preethika J	P	P	P		

Technical Talk Coordinator



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Technical Talk Attendance

5TH SEM EC (B - SECTION)

Sl. No	USN	NAME OF THE STUDENT	24/08/17 TALK 1	13/10/17 TALK 2	10/11/17 TALK 3		
1	4AL15EC053	Nithin Krishnan K	P	P	P		
2	4AL15EC054	Pavan K Rao	P	P	P		
3	4AL15EC055	Pavan Kumar T J	P	P	P		
4	4AL15EC056	Pavithra G K	P	P	P		
5	4AL15EC057	Pooja M	P	P	P		
6	4AL15EC058	Pooja Parameshwar Hulswar	P	P	P		
7	4AL15EC059	Poojary Manish Shekhar	P	P	P		
8	4AL15EC060	Poonam Madan Gunagi	P	P	P		
9	4AL15EC061	Pradeep Kumar R	P	P	P		
10	4AL15EC063	Priya Suresh Naik	A	P	P		
11	4AL15EC064	Priyanka	P	P	P		
12	4AL15EC065	Priyanka Bangari	P	P	P		
13	4AL15EC066	Priyanka H G	P	P	P		
14	4AL15EC067	Rahul Itnal	P	A	P		
15	4AL15EC068	Rakshitha Rao U	P	P	P		
16	4AL15EC069	Ranjitha	P	P	P		
17	4AL15EC070	Rashmi Rao	P	P	P		
18	4AL15EC071	Rohan R	P	P	P		
19	4AL15EC073	Rupesh N	P	P	A		
20	4AL15EC074	Sakkubai Salapur	P	P	P		
21	4AL15EC075	Sandhya B J	P	P	P		
22	4AL15EC078	Sharanamma R P	P	P	P		
23	4AL15EC080	Shefali S Shetty	P	P	P		
24	4AL15EC081	Shivaraj Suresh Navade	P	P	P		
25	4AL15EC082	Shraddha	P	P	P		
26	4AL15EC083	Shruthi I T	P	P	P		
27	4AL15EC084	Sneha G N	P	P	P		
28	4AL15EC085	Sree Charan B R	P	P	P		
29	4AL15EC086	Srilaxmi Upadhyaya	P	P	P		
30	4AL15EC088	Sumanth M S	P	P	P		
31	4AL15EC090	Suresh Mallikarjun Naragund	P	P	P		
32	4AL15EC091	Sushmitha S	P	P	P		



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33	4AL15EC092	Teena Lobo	P	P	P		
34	4AL15EC093	Thirtha A L	P	P	P		
35	4AL15EC095	Vanashree	P	P	P		
36	4AL15EC096	Varsha P	P	P	P		
37	4AL15EC098	Varshitha P J	P	P	P		
38	4AL15EC099	Vasasnth Kumar M	P	P	P		
39	4AL15EC101	Vinay B	P	P	P		
40	4AL15EC102	Vinaya Nagesh Naik	P	P	P		
41	4AL15EC103	Yashwanth M	P	P	P		
42	4AL16EC401	Bhagya	P	P	P		
43	4AL16EC403	Gowda Rachita B .V	P	P	P		
44	4AL16EC407	Prakash	P	P	P		
45	4AL16EC413	Veerendrakumar	P	P	P		

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Technical Talk Coordinator



ALVA'S EDUCATION FOUNDATION (R.)

MOODBIDRI - 574 227, D.K.

DEBIT / CREDIT VOUCHER

No. :

Date 10/11/2017

Sl.No.	Particulars	College Code	Debit (₹)	Credit (₹)
a	Honarium		2500/-	
b				
c				
d				
e				
PAYABLE / RECEIVABLE				
TOTAL				

Rupees Two thousand five hundred only

Narration Paid towards the technical talk resource person
Dr. V. C. Niranjan, MIT, Manipal.

[Signature]

Prepared by [Signature]
Principal
Electronics & Communication
Institute of Engg. & Technology, A.O.
Alva's Institute of Engg. & Technology,
MOODBIDRI - 574 225, D.K.

Authorised by

[Signature]
Receiver's / Remitter's Signature


**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG.**

Date: 14.11.2017


1. Name of the event : Technical Talk-5
Resource persons : Dr. U C Niranjana
2. Date of talk : 10-11-2017
3. Dept. organizing the event : ECE
4. Coordinators : Mr. Sudhakara H M and Mr. Aneesh Jain M V

Detailed budget of the event:


Sl. No.	Particulars	Party	Cash/ A/c	Amount
1.	Honorarium	Dr. U C Niranjana	Cash	2500
3.	Miscellaneous	Bouquet, Refreshments	Cash	110
			Total	2610


Technical Talk Coordinator
(Aneesh Jain M V)

Finance Officer


HoD
H. O. D.

Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


Principal
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