

Vemu Institute of Technology
Affiliated to JNTUA, Ananthapuram

REGISTRATION FORM

Faculty Development Programme

On

**BIO-MEMS & MICRO
SYSTEMS**

Name: _____

College: _____

Branch: _____

Address for
Correspondence: _____

Phone No: _____

E-mail Id: _____

Registration fee: 300/-

Signature of the Candidate

Signature of
Sponsoring Authority
With Seal

Chief Patron

Dr. K. Chandrasekhar Naidu
Chairman

Patron

Dr. T.Chandrasekhar Rao
Principal

Convener

Dr. S. Munirathnam
HOD, Dept. OF ECE

ORGANIZING COMMITTEE:

Dr. G.Elairaja
Ph.D, Professor

Mrs. C.Geetha
M.Tech(Ph.D), Associate Professor

Mr. R.Mallikarjun Reddy
M.Tech, Associate Professor

Mr. C.S.Murali Mohan
M.Tech, Associate Professor

Vemu Institute of Technology
P.Kothakota

Organizes

Faculty Development Programme

On

**BIO-MEMS & MICRO
SYSTEMS**

From

DECEMBER 17-21, 2018



VEMU

INSTITUTE OF TECHNOLOGY

(Affiliated to JNTUA, Ananthapuram)
P.Kothakota, Chittoor- 517112,.

E-Mail:
vemuecedept@gmail.com
Contact:-8886661104

VEMU PROFILE

Vemu is one of the ISO 9001-2015 certified premier Engineering/ Management colleges in the region of Rayalaseema of A.P. Established in 2008 (located on the Chittoor – Tirupati Highway), approved by AICTE and affiliated to JNTUA.

VISION OF THE DEPARTMENT

To develop as a center of excellence in electronics & communication engineering field and produce graduate with knowledge of core as well as interdisciplinary domain, cutting edge technologies of the industry and research along with human values and professional ethics to addresses the global and science challenges.

MISSION OF THE DEPARTMENT

- Provide the students an environment of academic freedom that will insure the exchange of ideas and

knowledge through effective teaching.

- Enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities.
- Provide industry-institute interaction training to the students that bridges the gap between industry and academic along with ethics and values.

RESOURCE PERSON

Dr. Subramanyam Gorthi,
Asst. Professor, Dept of EEE,
IIT, Tirupati. &

Dr.D.SindhanaiSelvi,
Asst.Prof,Dept.of.EIE,PEC,
Pandichery

FDP Covers

BIO-MEMS & MICRO SYSTEMS

- BIO-MEMS in digital microfluidics
- BIO-MEMS for diagnostics
- BIO-MEMS in tissue engineering
- BIO-MEMS in medical implants and surgery
- BIO-MEMS in miniaturized biosensors

Eligibility:

Faculty of Engineering Colleges & PG Colleges offering B.Tech, M.Tech

GENERAL INFORMATION:

No. of Participants limited to 70
Accommodation will be provided on Payment basis.

Free Transport from Tirupati & Chittoor
Participation Certificate will be issued.

CONTACT PERSON

Mr. S .MUNIRATHNAM, Convener
Mobile : 8886661104
vemuedept@gmail.com

IMPORTANT DATES:

Last date for the receipt of filled in application 17.12.2018

FDP date: 17-21, DECEMBER-2018



VEMU INSTITUTE OF TECHNOLOGY
P.KOTHAKOTA, TIRUPATHI-CHITTOOR ROAD, CHITTOOR, AP-517112
(Permanently Affiliated to JNTUA Ananthapuramu, Approved by AITE New Delhi, & ISO 9001:2015 Certified Institution)
DEPARTMENT OF E.C.E

Five days FDP on "BIO-MEMS & Microsystems"

on

17-21 December 2018

S.NO	DATE	Time	Topics to be Covered	Resource Person
1	17/12/2018	10.00AM to 11AM	Inauguration	
		11.0 AM to 1 PM	Introduction to MEMS, Importance of BIO-MEMS & MICRO SYSTEMS	Dr.D Sindhanai Selvi
		1.50PM to 4 PM	BIO-MEMS in digital microfluidics	Dr.G.Subramanyam
2	18/12/2018	10.00AM to 1PM	Bio MEMS for diagnostics	Dr.G.Subramanyam
		1.50PM to 4 PM	BIO-MEMS in Miniaturized biosensors	Dr.D Sindhanai Selvi
3	19/12/2018	10.00AM to 1PM	Bio-MEMS in tissue Engineering	Dr.D Sindhanai Selvi
		1.50PM to 4 PM	BIO-MEMS:opportunities and prospects	Dr.G.Subramanyam
4	20/12/2018	10.00AM to 1PM	CMOS based microelectro mechanical systems(MEMS)	Dr.D Sindhanai Selvi
		1.50PM to 4 PM	CMOS based microelectro mechanical systems(MEMS)	Dr.G.Subramanyam
5	21/12/2018	10.00AM to 1PM	BIO-MEMS in medical implants and surgery	Dr.D Sindhanai Selvi
		1PM to 3PM	Packaging of bio-MEMS packaging strategies,technologies,applications	Dr.G.Subramanyam
		Valedictory		

Abhinav
Co-Ordinator

Dr. D. Sindhanai Selvi
HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

14.	Mrs. M.Poornima	P	P	P	P	P	P	P	P	P	P
15.	Mrs. B.Saroja	Sij	Sij	Sij	Sij	Sij	Sij	Sij	Sij	Sij	Sij
16.	Mr. N.Kiran Kumar	Kuy	Kuy	Kuy	Kuy	Kuy	Kuy	Kuy	Kuy	Kuy	Kuy
17.	Mrs. S.Chandana	Cuz	Cuz	Cuz	Cuz	Cuz	Cuz	Cuz	Cuz	Cuz	Cuz
18.	Mr. K.Rohith	Fij	Fij	Fij	Fij	Fij	Fij	Fij	Fij	Fij	Fij
19.	Mrs. D.Reena	Puy	Puy	Puy	Puy	Puy	Puy	Puy	Puy	Puy	Puy
20.	Ms. J.V.Pesha	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
21.	Mrs. M.Bhargavi	Buz	Buz	Buz	Buz	Buz	Buz	Buz	Buz	Buz	Buz
22.	Mr. .P.H.ChandraMouli	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
23.	Mr. P.Vemaiah	V	V	V	V	V	V	V	V	V	V
24.	Mrs. P.Sirisha	Sij	Sij	Sij	Sij	Sij	Sij	Sij	Sij	Sij	Sij

N. Suresh
CO-ORDINATOR

[Signature]
CONVENER
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112



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P.KOTHAKOTA, TIRUPATHI-CHITTOOR ROAD, CHITTOOR, AP-517112
DEPT OF ELECTRONICS & COMMUNICATION ENGINEERING

Report-on Bio-MEMS

The FDP on **Bio-MEMS & Micro Systems** was conducted on 17.12.2018 by Dr. D Sindhanaiselvi, Asst. Professor, Dept. of EIE, PEC, Pondicherry and Dr Subramanyam Gorthi Asst. Professor, Dept. of EEE, IIT, Tirupathi.

This program is initiated by our respected principal Dr. T. Chandrasekar Rao and organized by Prof. S. Munirathnam, Head of the department with the co-ordination of Dr. G. Elayaraja, Professor, and ECE Department.

The FDP was conducted Five days effective from 17.12.2018 to 21.12.2018 for duration of 8 hours per day. During the five day program, covered Introduction to MEMS, Tutorials on Bio MEMS, Basic features and commands of MEMS, introduction to MEMS Tools. On first day Resource persons discussed about Introduction to MEMS, Importance of BIO-MEMS & MICRO SYSTEMS and BIO-MEMS in digital microfluidics. On Second day Bio MEMS for diagnostics and BIO-MEMS in Miniaturized biosensors topics explained. On third day Bio-MEMS in tissue Engineering and BIO-MEMS:opportunities and prospects topics are discussed. On fourth day CMOS based microelectro mechanical systems(MEMS) topic is discussed by Resource persons.Last day BIO-MEMS in medical implants and packaging of bio-MEMS packaging strategies, Technologies, Applications topics discussed.The staff has derived benefit from this program to upgrade their knowledge. The total registered strength was 35 from both inside and outside college. The program was held in ECE Seminar hall for theory sessions and hands on training were held in Simulation Lab.

This FDP is aimed at updating knowledge on “Bio-MEMS & Micro Systems” in the view of an industry perspective. By providing Hands-on training to staff, they could get an idea on Matlab. With the help of this knowledge staff can develop simple real time projects. In this course the resource persons have used Intellisuite for Design. Last day of FDP collected the feedback from the faculty and They gave good feedback about this programme.

The team concluded the FDP successfully by boosting confidence levels of each and every staff in his upgrading their knowledge.



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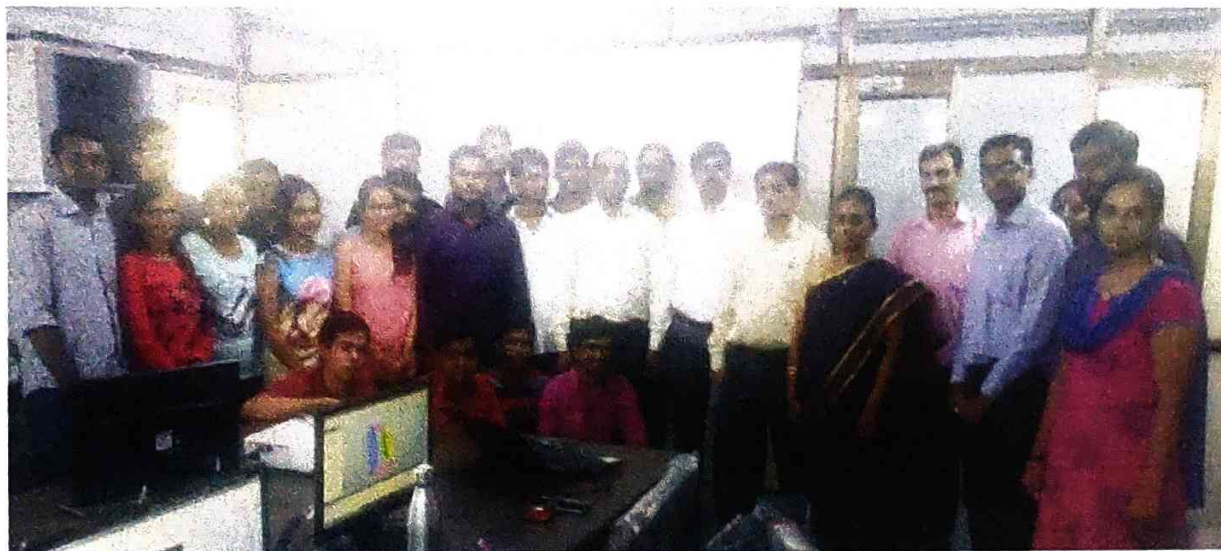
At the end of the programme, Vote of thanks was given by Dr.G. Elairaja, FDP Coordinator. He said special thanks to Dr.Chandra Sekhar Naidu, Chairman and Dr.P.Chandra Sekhar Rao, Principal for their constant support for the FDP. The total program is successfully completed with the cooperation of each and every faculty member of department and participants.



Inauguration



Session Running



N. Kumar
Convener


Head of the Department
HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

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Tirupati-Chittoor Highway road, P.Kothakota, Chittoor-517112

Certificate of Participation

This is to certify that Dr./Prof./Mr./Ms./Mrs. K. JAYASREE

From VEMU IT participated in Faculty Development Programme on
"Bio-MEMS & Microsystems" held between 17th to 21st Dec 2018, Organized by Dept. of Electronics
and Communications Engineering, Vemu institute of technology, P..Kothakota, Chittoor.



N. K. N.
Co-ordinator

W
PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHA KOTA - 517 112

Shree Hanu
HOD-ECE

P. Chandra Reddy
Principal

VEMU INSTITUTE OF TECHNOLOGY

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Certificate of Participation

This is to certify that Dr./Prof./Mr./Ms/Mrs ✓ B. SAROJA

From VEMU IT participated in Faculty Development Programme on
"Bio-MEMS & Microsystems" held between 17th to 21st Dec 2018, Organized by Dept. of Electronics
and Communications Engineering, Vemu institute of technology, P..Kothakota, Chittoor.



N. K. N.
Co-ordinator

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Shree Hanas
HOD-ECE

T. Chandra Reddy
Principal