

ABOUT VEMU IT

VEMU Institute of Technology is one of the best and finest engineering colleges in Chittoor District, Andhra Pradesh. Beginning its quality inputs in 2008, it has attained ISO 2015 9001 certification for quality management within a short span of time. The institution's progress and contribution to the field of technical education for over one decade and accredited by NAAC in the year 2017, Recognized under 2(f) and 12(B) UGC Act, Permanent Affiliation under JNTUA (Anantapuramu). It is located in P Kothakota, near to Tirupati on the Chittoor Highway in a beautiful 16-acre campus. A diverse, talented community united by a passion for learning and quest for more, VEMUIT challenges its students to make a difference on its campus, in the region, and in the companies where ever they join. With unmatched results in every sphere of education, its commitment to be the best has grown to transform its departments into Centers of Excellence.

COURSES:

- ❖ Five undergraduate courses in Engineering
 - ✓ B Tech in CIVIL/EEE/ME/ECE/CSE
- ❖ Five Postgraduate courses in Engineering
 - ✓ M Tech in CSE/ES/VLSI/PEED/MD
- ❖ One Postgraduate course in Management
 - ✓ MBA
- ❖ Four Diploma courses
 - ✓ DCE/DEEE/DME/DECE

INDUSTRY SUPPORTED LABS:

With the support of the industry, VEMU Institute of Technology established the following laboratories in the college for the benefit of students to get trained in the emerging technologies.

- ❖ Dassault's 3D Experience Centre
- ❖ AP CM's Skill Excellence Center
- ❖ YMTS Innovation Centre
- ❖ Pavan Empower Solutions Lab
- ❖ Industrial IoT Lab
- ❖ Transformer Testing and manufacturing Lab
- ❖ Cloud Computing and Cyber Security

Features:

MOUs with industries for internship, Training and projects viz. UI Path, RAVANDS, SNAM Alloys, CODE TANTRA, Young Minds Technology solutions, SR Unique solutions, Sigma Controls etc.

MHRD – Institution's Innovation Council (IIC) has been established and actively functioning. Certification courses by foreign universities

Other features:

- ❖ Promotion of industry-institution interaction exchange programs.
- ❖ Regular seminars, workshops and guest lectures by eminent Professors from Universities and Industry
- ❖ Training for Placements right from 1st year
- ❖ Special focus on Communication skills, analytical skills and technical skills
- ❖ Entrepreneurship Development Cell to make the students entrepreneurs
- ❖ R & D cell to inculcate the quest of research in students
- ❖ In-Plant Training and Internship Arrangement for students

ABOUT DEPARTMENT

The Electrical & Electronics Engineering Department was established in the year 2008 at VEMU Institute of Technology with an intake of 60. The Department also offers M.Tech Program with specialization in Power Electronics and Electrical Drives (PEED) & it was started in 2014 with an intake of 24. The Department houses qualified and well-experienced faculty and Non-teaching staff members. The department is striving hard towards academic excellence and stand out among Chittoor B Tech colleges by having strong industry collaborations to make the students industry-ready. The department also encourages the students to participate in various technical symposia, workshops, internships, and industrial visits. The laboratories are well-equipped and that comprise Electrical Circuits, Electrical Machines, Power Systems, Power Converters and Drives, Electric Power Simulation, Control Systems, and Measurements Laboratories.

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

**THREE DAYS FACULTY
DEVELOPMENT PROGRAM (FDP) on
"APPLICATION OF MACHINE
LEARNING IN THE FIELD OF
ELECTRICAL ENGINEERING"
14th February 2022 to 16th February 2022**



CONVENER
Dr. A. HEMASEKHAR
PROFESSOR & HOD



ORGANIZED BY
**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**
**VEMU INSTITUTE OF
TECHNOLOGY**

Accredited By NAAC, Affiliation to
JNTUA, Anantapuramu. Near Pakala,
P. Kothakota, Chittoor-517112

REGISTRATION FORM

THREE DAYS FACULTY DEVELOPMENT PROGRAM (FDP) on "APPLICATION OF MACHINE LEARNING IN THE FIELD OF ELECTRICAL ENGINEERING"

14th February 2022 to 16th February 2022

Name :
Designation :
Name of the Institution :
/Organization :
Address for Communication :
Phone No :
Email ID :
Accommodation Required :
Category :
Faculty from Polytechnic / Engg College:

Date: Signature of the applicant

BONAFIDE CERTIFICATE

Mr./Ms./Dr. of
the
is permitted to attend the FDP organized by
Department of EEE, Vemu Institute of Technology,
P Kothakota from 14th February 2022 to 16th
February 2022

Date: Signature of the Head of the
Department/ Institution with Seal

CHIEF PATRON:

Prof. K Chandra Sekhar Naidu,
Chairman

PATRON:

Dr. Naveen Kilari, M.Tech., Ph.D.
Principal

CONVENER:

Dr.A. HEMASEKHAR, M.Tech., Ph.D.
Prof & HOD. EEE Dept.

CO-ORDINATORS:

Mr. M.Murali, M.Tech., Assoc. Professor

ORGANIZING COMMITTEE:

Mrs.N.Devasena, Asst. Prof
Mrs. A.Haritha, Asst. Prof
Mrs. B.Gamya, Asst. Prof
Mr.Y.Babu Yadav, Asst. Prof
Mr. D. Chinna Dastagiri, Asst. Prof
Mr. B.Anil Kumar, Asst. Prof
Mr. G.Mallikarjuna, Asst. Prof
Mr. S. Venkata Rao, Asst. Prof
Ms. D. Janani, Asst. Prof
Mr. L. Suresh, Asst. Prof
Mrs. M. Tejeswini, Asst. Prof
Mr. K. Hemadri, Asst. Prof
Mr. A. Vinayakam, Asst. Prof

RESOURCE PERSONS

- ❖ N.P.Dharani, Assistant Professor, Dept of EIE, Sree Vidyanikethan Engineering College, A.Rangampeta
- ❖ Jeevan Kumar N, Technical Trainer, Chinmaya Micro Technologies, Madanapalle
- ❖ Mr.Ch.Uma Maheshwar, Senior Technical Trainer, Chinmaya Micro Technologies, Madanapalle

FOR WHOM

The main aim of this FDP is to provide exposure to Faculty from academic institutes, Researchers, engineers and officers of power companies / corporations.

No Registration Fee

IMPORTANT DATES

Last date for receipt of application : 09.02.2022
Intimation of Selection : 11.02.2022

CONTACT DETAILS

Dr.A.HEMA SEKHAR
PROFESSOR / EEE
Ph.No : 9000002358
Mr.M.MURALI
ASSOCIATE PROFESSOR / EEE
Ph.No : 7993190363

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Chittoor- Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (Dt.), AP - 517112

(Approved by AICTE, New Delhi, Recognized Under 2(f) & 12(B) of UGC Act.

Accredited by NAAC, & An ISO 9001:2015 Certified Institute)

Department of Electrical and Electronics Engineering

VEMU/EEE/2021-22

Date : 11-02-2022

CIRCULAR

It is here by informed to all the staff members that there is a **THREE DAYS FACULTY DEVELOPMENT PROGRAM (FDP)** on "APPLICATION OF MACHINE LEARNING IN THE FIELD OF ELECTRICAL ENGINEERING" during 14th February 2022 to 16th February 2022. Hence all the staff members are asked to attend the FDP without fail.


Venue : Simulation Lab


HOD / EEE

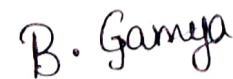
HOD
Electrical & Electronics Engg.
Vemu Institute of Technology
P. Kothakota

Copy to :

1. The Principal,
2. The In-charge of FDP,
3. Circulating among staff,
4. Display in Notice boards.


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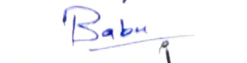





K. Hemadaji


Anil


Babu


M. S.



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NEAR PAKALA, CHITTOOR-517112

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

THREE DAYS FACULTY DEVELOPMENT PROGRAM (FDP)


**ON "APPLICATION OF MACHINE LEARNING IN THE FIELD OF ELECTRICAL
ENGINEERING"**

14th February 2022 to 16th February 2022

PROGRAM SCHEDULE

S. NO.	DATE	TIME	TOPIC NAME	RESOURCE PERSON
1	07-09-2022	10.00 AM to 12.00 Noon	Introduction about Machine Learning	N.P.Dharani, Assistant Professor, Dept of EIE, Sree Vidyanikethan Engineering College, A.Rangampeta
		2.00 PM to 4.00 PM	Various Techniques in Machine Learning	
2	08-09-2022	10.00 AM to 12.00 Noon	Case study -1 : Battery Management Technique	Jeevan Kumar N, Technical Trainer, Chinmaya Micro Technologies, Madanapalle
		2.00 PM to 4.00 PM	Case study - 2: Fault Detection in Power Grid	
3	09-09-2022	10.00 AM to 12.00 Noon	Case study - 3: Improvement of Power Converters	Mr.Ch.Uma Maheshwar, Senior Technical Trainer, Chinmaya Micro Technologies, Madanapalle
		2.00 PM to 4.00 PM	Case study - 4: Optimization of Motor Control	


CO-ORDINATOR


HOD / EEE

HEAD

DEPARTMENT OF EEE

VEMU INSTITUTE OF TECHNOLOGY

P. KOTHAKOTA - 517112


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ATTENDANCE SHEET

THREE DAYS FACULTY DEVELOPMENT PROGRAM (FDP)

ON "APPLICATION OF MACHINE LEARNING IN THE FIELD OF ELECTRICAL ENGINEERING"

14th February 2022 to 16th February 2022

S.No	Participants Name	14/02/22		15/02/22		16/02/22	
		FN	AN	FN	AN	FN	AN
1	Dr. D.Chandrasekhar						
2	Dr.A.Hema Sekhar						
3	Dr.S. Mallikarjunaiah						
4	Mr.M.Murali						
5	Mrs.N.Devasena						
6	Mrs. A.Haritha						
7	Mrs. B.Ganya						
8	Mr.Y Babu Yadav						
9	Mr. D. Chinna Dastagiri						
10	Mr. B.Anil Kumar						

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B. KOTHAKOTA - 517 112



VEMU INSTITUTE OF TECHNOLOGY: P.KOTHAKOTA

NEAR PAKALA, CHITTOOR-517112

Department of Electrical and Electronics Engineering

11	Mr. G. Mallikarjuna						
12	Mr. S. Venkata Rao						
13	Ms. D. Janani						
14	Mr. L. Suresh						
15	Mrs. M. Tejeswini						
16	Mr. K. Hemadri						
17	Mr. A. Vinayakam						
18	Mr.P.Chaitanya Teja						

CO-ORDINATOR

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VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

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Electrical & Electronics Engg.
Vemu Institute of Technology
P. Kothakota

VEMU INSTITUTE OF TECHNOLOGY



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PARTICIPATION CERTIFICATE

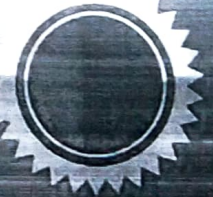
This is to certify that ~~Dr~~/Mr/Ms working as B. Anil kumar
of EEE department has actively participated in Three Days Faculty
Development Program on “APPLICATION OF MACHINE LEARNING IN THE
FIELD OF ELECTRICAL ENGINEERING” during 14/02/2022 & 16/02/2022
organized by Department of EEE, VEMU IT.

M. Murali
Mr. M. Murali
Co-Ordinator

A. Hemasekhar
Dr. A. Hemasekhar
HOD-EEE

N. Kilar
Dr. Naven Kilar
Principal

N. Kilar
PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
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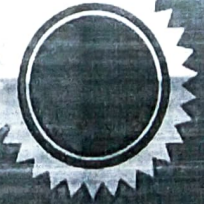
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This is to certify that ~~Dr/Mr~~/Ms working as B. Gamyra
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organized by Department of EEE, VEMU IT.


Mr. M. Murali
Co-Ordinator


Dr. A. Hemasekhar
HOD-EEE


Dr. Navèen Kilari
Principal
PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112






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NBA (EEE, ECE & CSE) & An ISO 9001 2015 Certified Institute)

Department of Electrical and Electronics Engineering

REPORT

Event Type	Offline FDP
Title of the Event	“APPLICATION OF MACHINE LEARNING IN THE FIELD OF ELECTRICAL ENGINEERING”
Dates	14/02/2022 & 16/02/2022
Keynote speaker	N.P.Dharani, AP, Sree Vidyanikethan Engineering College, Jeevan Kumar N & Mr.Ch.Uma Maheshwar, Technical Trainer, Chinmaya Micro Technologies
Faculty Coordinator	Mr.M.Murali
Benefited Persons	Academic persons from EEE dept. VEMU IT
Description about the Event	<p>The role of a conducting faculty development program is to maximize the ability of faculty to teach and students to learn and to nurture a productive culture. In Day – 1, N.P.Dharani talked about topic Machine learning is a branch of artificial intelligence (AI) and computer science which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy. There are four types of machine learning algorithms: supervised, semi-supervised, unsupervised and reinforcement. In Day -2, Jeevan Kumar N talked about The battery management system is a device that will monitor and control the battery state of charge, voltage, temperature, etc, you can use machine learning technics to monitor battery parameters and to take necessary actions. Faults in transmission lines and distribution lines are very common, here machine learning algorithms can help to find the spot where the fault has occurred. In Day -3, Mr.Ch.Uma Maheshwar talked about various improving methods of power converters. In case of supervised learning and unsupervised learning methods taken case study. He also talked about optimized utilization of motor using machine learning.</p>
Photos	

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