ABOUT VEMU IT

VEMU Institute of Technology is one of the well known and finest technical institutions in Chittoor District, A.P. Beginning its quality inputs in 2008, it has attained ISO 2015:9001 certification for quality management within a short span of time. It is located on Tirupati - Chittoor highway on a beautiful 16 acre campus. A diverse, talented community united by a passion for learning and quest for more, VEMU 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 centre of Excellence.

College Vision

To be a premier institute for professional education producing dynamic and vibrant force of technocrats with competent skills innovative ideas and leadership qualities to serve the society with ethical and benevolent approach.

College Mission

To create a learning environment with state-of-the art infrastructure, well equipped laboratories, research facilities and qualified senior faculty to impart high quality technical education.

To facilitate the learners to foster innovative ideas, inculcate competent research and consultancy skills through Industry-institute Interaction.

To develop hard work, honesty, leadership qualities and sense of direction in rural youth by providing value based education.

Vision of the Department:

To become a centre of excellence in the field of Electronics and Communication Engineering and produce graduates with Technical Skills, Research & Consultancy Competencies, Life-long Learning and Professional Ethics to meet the challenges of the Industry and Society.

Mission of the Department:

To enrich Technical Skills of students through Effective Teaching and Learning practices for exchange of ideas and dissemination of knowledge.

To enable the students with research and consultancy skill sets through state-of-the art laboratories, industry interaction and training on core & multidisciplinary technologies.

To develop and instill creative thinking, Life-long learning, leadership qualities, Professional Ethics and social responsibilities among students by providing value based education.

About Program

Artificial intelligence (AI) and robotics are a powerful combination for automating tasks inside and outside of the factory setting. In recent years, AI has become an increasingly common presence in robotic solutions, introducing flexibility and learning capabilities in previously rigid applications.

Topics to be covered:

- Introduction to robotics
- Robotic applications that uses AI
- Wheely robot
- Hands on with Wheely robot

Resource Persons

Mr.V.Surendra

Trainer and Project developer,

Key Technologies,

Tirupati

Mr.J.Hemanth

Trainer and Project developer,

Key Technologies

Tirupati

THREE DAY WORKSHOP On "ARTIFICIAL INTELLIGENCE in ROBOTICS"

11th-13th OCT 2018

Organized by

Department of Electronics and Communication Engineering,

VEMU Institute of Technology,

P.Kothakota, Near Pakala,

Chittoor District,

Andhra Pradesh-517112.

Three Day Workshop

On

"ARM BASED DEVELOPMENTS"

(Hands on ARM-18)

Registration Form

Full Name: _____

Designation: _____

Organization: _____

Address: _____

_____

Mobile No: _____

Amount: _____ Date: _____

Declaration: the information provided is true to best of my knowledge if selected I agree to abide by the rules and regulation I agree to abide by the rules and regulation of the

Course and attend the course for entire duration

Place: _____

Date: _____

Signature of Participant

About Department of ECE

The department offers undergraduate programme in Electronics and Communication Engineering and Post Graduate programme with Specializations in – VLSI Design and Embedded Systems. The Department has highly qualified, experienced and competent faculty members in the areas of Digital Image Processing, Applied Electronics, Digital Electronics, Microwave Communication, and VLSI & Embedded Systems. The department maintains several equipped laboratories for basic and advanced Electronics and Communications. The department has a separate Computer Center with Core2 Duo systems equipped with software applications and suites such as MATLAB, XILINX ISE and Multi-Sim packages. The department has a number of facilities with a substantial collection of teaching tools, instruments, equipment and computers for conducting experiments in different domains of Electronics and Communications Engineering.

Chief Patron

Prof.Dr. K.Chandrasekhar Naidu, Chairman

Patrons

Dr.T.Chandrasekhar Rao, Principal

Convener

Dr.S.Munirathnam,
Prof& HOD/ECE

Co- convener

Mrs.C.GEETHA
Assoc.Professor/ECE
Department of ECE,
Vemu Institute of Technology,
P.Kothakota-517112,
Pakala, Chittoor (Dist),Andhra Pradesh.
Email ID: hodece@vemu.org
Mobile: 8886661104.

Eligibility

This Workshop is open to faculty members of AICTE approved Engineering colleges, Research Scholars working in various fields of Electronics and Communication Engineering, persons from Industry, R & D organizations and PG scholars who have a genuine interest in the field Robotics

Registration:

- Registration Fees Rs250/-
- The number of seats for the Workshop is limited to 40' and selection is based on first come first serve basis
- The link for workshop Registration is given below

https://vemu.org/event-6781

Accommodation

- boarding and lodging will be provided for outstation participants on payment basis.

Location Map

Vemu Institute of Technology is located midway between Tirupati and Chittoor on the Highway. There are direct trains / buses to Tirupati or Chittoor from important cities like Hyderabad, Bangalore and Chennai. It is 4 hours journey by road from Bangalore, 3 hours from Chennai, 1 hour from Tirupati and 30 minutes from Chittoor.

Route Map to Vemu Institute of Technology

Tirupethi ←— 40Km   20Km —→ Chittoor

Vemu IT, P.Kothakota

VEMU INSTITUTE OF TECHNOLOGY, P.KOTHAKOTA

NEAR PAKALA, CHITTOOR-517112

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)

Department of Electronics & Communication Engineering
WORKSHOP Schedule

Title : ARTIFICIAL INTELLIGENCE IN ROBOTICS

Date: 11/10/2018 - 13/10/2018

Resource Person : Mr.V.Surendra & Mr.J.Hemanth, Trainer & Project Developers, Key Technologies, Tirupati

Target Audience: ECE Faculty

Venue: ECE Seminar Hall

Timings / Date	Session 1			Session 2		
	10:00 to 11:15 (Topic)		11:30 to 1:00 (Topic)	1:50 to 3:00 (Topic)		3:15 to 4:00 (Topic)
17/12/2018	Introduction to AI ROBOTICS	T E A B R E A K	Importance of AI ROBOTICS	APPLICATIONS of Robots	T E A B R E A K	AI ROBOTICS- AI amplify human potentials
18/12/2018	AI ROBOTICS are aritificial agents acting in real world		AI ROBOTICS are aritificial agents acting in real world	AI ROBOTICS- International Federation of Robotics		AI ROBOTICS- Transforming a number of industries
19/12/2018	ROBOTICS of different branches		AI ROBOTICS- uses	AI ROBOTICS are aritificial agents		AI ROBOTICS- field of computer science
20/12/2018	APPLICATIONS of Robots		AI ROBOTICS- manufacture details	AI ROBOTICS- future uses		APPLICATIONS of Robots
21/12/2018	AI ROBOTICS- International Federation of Robotics		AI ROBOTICS- construction details	AI ROBOTICS- adopted at scale		AI ROBOTICS- International Federation of Robotics

(Between Session 1 and Session 2: LUNCH BREAK)

INCHARGE

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOG
P. KOTHAKOTA - 517 112

HOD
HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY

P.KOTHAKOTA, TIRUPATHI-CHITTOOR ROAD, CHITTOOR, AP-517112
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& ISO 9001:2015 Certified Institution)

DEPT OF ELECTRONICS & COMMUNICATION ENGINEERING

Three day workshop on "ARTIFICIAL INTELLIGENCE IN ROBOTICS"

Attendance

S.No.	Name of the Participant	11/10/2018 FN	11/10/2018 AN	12/10/2018 FN	12/10/2018 AN	13/10/2018 FN	13/10/2018 AN
1.	S.LOKESH(SREC),(TPT)						
2.	D.HARSHA VARDHAN(SECT)(TPT)						
3.	P.ASWINI REDDY(SVNE),(TPT)						
4.	G.CHARAN THRJA(SCNE),(TPT)						
5.	S.JAHNAVI NAIDU(SVCET),(CTR)						
6.	R.SONY PRIYA(SITIA),(CTR)						
7.	B.PRAVEEN(NEC),(NLR)						
8.	M.GURU(NEC),(NLR)						
9.	G.SRAVANI(SVEC),(TPT)						
10.	T.SWETHA(SVCET),(CTR)						
11.	M.D.NIRMAL(SREC),(TPT)						
12.	Y.MANASWITHA NAIDU (SVEC),(TPT)						
13.	R.VIRSWA REDDY(NEC),(NLR)						
14.	K.LALITHA CHOWDARY(SREC),(TPT)						
15.	U.REHMAN(SVCET),(CTR)						
16.	T.THARUN BASKAR(SVEC),(TPT)						
17.	R.SID SREERAM(NEC),(NLR)						
18.	D.REENA(VEMUIT)						
19.	C.S.MURALI MOHAN(VEMUIT)						
20.	C.GEETHA(VEMUIT)						

CO-CONVENOR

CONVENOR
HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY

A Report on

"Artificial Intelligence in Robotics"

The two-day workshop on "Artificial Intelligence in Robotics" was conducted by department of ECE by inviting Mr. V Surendra trainer and project developer, KEY technologies, Tirupati. The main objective of this workshop is to provide hands on experience on **Robotics**.

The Inaugural function of this workshop was held on 11-10-2018, L. Ramamurthy, HOD (E.C.E) Presided over the function after introduction of ECE department in VEMUIT. L.Ramamurthy, HOD introduced resource person Mr. V Surendra trainer and project developer, KEY technologies, Tirupati, to the faculty. Around 20 faculties from surrounding college registered for the workshop.

After a small tea break of 15 min Resource person started his session by introduction to Basics of AI and Machine Learning, Data Visualization Techniques in Machine Learning, learning lunch break for day1 is announced around 12:50 pm after lunch break resource person started with introduction to Data Pre-processing in Machine Learning, Unsupervised

Day-2 started with a small introduction Supervised learning, Model Evaluation and Selection, Artificial Neural Network, Reinforcement Learning, Robotics.

Finally, workshop ended with a brief valedictory session followed by feedback from participants and a formal vote of thanks.

COORDINATOR

CONVENER
HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Permanently Affiliated to JNTUA, Anantapuram
Accredited by NAAC and ISO 9001:2015 Certified Institution)
Tirupati-Chittoor Highway road, P.Kothakota, Chittoor-517112

Certificate of Participation

This is to certify that Dr./Prof./Mr./Ms./Mrs. _D·REENA_

participated in 3 Day workshop on **"Artificial Intelligence in Robotics"** held between 11th to 13st October **2018,** Organized by Dept. of Electronics and Communications Engineering, Vemu institute of technology, P..Kothakota, Chittoor.

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOG
P. KOTHAKOTA - 517 112

R.m.Reddy)
Co-ordinator

HOD-ECE

T.Chandan R.
Principal

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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. ___C.S. MURALI MOHAN___

participated in 3 Day workshop on "**Artificial Intelligence in Robotics**" held between 11th to 13st October **2018,** Organized by Dept. of Electronics and Communications Engineering, Vemu institute of technology, P..Kothakota, Chittoor.

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VEMU INSTITUTE OF TECHNOLOG
P KOTHAKOTA - 517 112

R.m. Reddy)
Co-ordinator

HOD-ECE

T. Chandra Ra
Principal