

VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

BROCHURES and REPORT

OF

**FDP/PROFESSIONAL DEVELOPMENT / ADMINISTRATIVE
TRAINING PROGRAMMES ORGANIZED BY INSTITUTE**

(2021-2022)



Principal

Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (DL)-501301,
Telangana State



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

Sponsored by Lavu Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



INDEX for A.Y 2021-22

S.No	Event / Programme Name	Page No.
1	Summary Sheet	3
2	Brochures	4-7
3	Reports	8-9




Principal
Vignans Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State

ACADEMIC YEAR 2021-22

Sl. No	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)	No. of days
1	ONLINE FDP ON MACHINE LEARNING AND DEEP LEARNING IN SIGNAL PROCESSING APPLICATIONS	27-09-2021 to 01-10-2021	5 Days
2	40 HOURS ONLINE FDP ON INTRODUCTION TO MACHINE LEARNING AND ITS APPLICATIONS	21-03-2022 to 30-03-2022	40 Hours
3	A FIVE DAY WORKSHOP ON STRESS MANAGEMENT & SELF AWARENESS IN ASSOCIATION WITH YOGA CONSCIOUSNESS TRUST	09-05-2022 to 13-05-2022	5 Days



Principal

Vignani's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State

Major Course Content

- Introduction to Machine Learning and Tools
- Data Preprocessing and Visualization
- Simple and Multiple Linear Regression
- Decision Tree and Support Vector Regression
- Introduction to Deep Learning ANN
- Tensor Flow and Keras using Python
- Recurrent Neural Network and types of RNN
- CNN Architecture and 3D CNN

Who should Attend?

The programme is open to all Faculty, Research Scholars, Industry Professionals/ MCA/ MBA Degree, Polytechnic, and other eligible students can register the course.

How to Apply

Eligible candidates may apply by filling the following google form with payment proof on or before 20th September, 2021.

<https://tinyurl.com/FDP-MLDL>

Registration Fee

Registration is Rs 500 for UG/PG Research Scholars and Faculty Rs 1000 for Industry people

Registration fee may be remitted Online through NEFT to the Bank account given below. Proof of remittance of the requisite registration fee (with transaction number) shall be uploaded in the google form.

Account Name	Centre for Continuing Education, NIT W
Bank Name	State Bank of India (SBI)
Account No	62403680215
IFSC Code	SBIN0020149
Branch	NIT Warangal

Confirmation of Participation

On receipt of the google form and fee remittance receipt, participants will be sent confirmation of their participation through email by 22nd September, 2021. As the program is conducted online, the number of participants in the workshop is limited to 100. **Participants will get E-Certificate upon completion of the course.**

Chief Patron

Dr. T. Rathnala,
Chairman, Vignan Group of Institutions

Sri B. Sravan,
CEO, Vignan Group of Institutions

Patrons

Dr. G. Apparao Naidu,
Principal

Coordinator

Vijaykumar R. Utkank,
Associate Professor, ECE
Contact No: 9297794986
Email: vijay@vignan.in

Co-Coordinator

Dr. Telugu Madhulini,
Professor and HOD, ECE
Email: ece@vignan.in

Co-ordinator from NIT Warangal

Dr. Raju Bhukva,
Assistant Professor,
In-charge CCE & Coordinator, Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Department of CSE, NIT Warangal,
Mobile: 9700553922, 8332969733
Email: rajun@nitw.ac.in


**VIGNAN'S INSTITUTE OF
MANAGEMENT AND TECHNOLOGY
FOR WOMEN**
(Affiliated to JNTU, Hyderabad)
Kondapur, Medchal, TS



**Center for Continuing Education
NIT Warangal**

ONE WEEK NATIONAL FDP

(On)

**Machine Learning and Deep Learning in
Signal Processing Applications**

27th September to 1st October, 2021

Organized by

**DEPARTMENT OF ELECTRONICS &
COMMUNICATION ENGINEERING**

**in association with
Center of Continuing Education
NIT, Warangal**



About the Institution

Vignan's Institute of Management and Technology for Women (VMTW) is the branch of Dr. T. Rathnala, Chairman, Vignan Group of Institutions, was founded during August 2008, with four branches of Engineering.

VMTW is an exemplary institution of higher learning with a mission of pursuing excellence in education and research. The institution, with their diverse and dynamic community of about 2000 students offers a distinctive combination of some of the finest facilities for 7 different graduate, and undergraduate programs, accomplished faculty, world class facilities with hostel set on a sprawling area of 22 acres, sylvan surroundings of mango groves and greenery.

While students at VMTW immerse themselves in academics, the college has a lot in store for them outside the classroom. Student life includes participation in sports, recreational & co-curricular and cultural activities. In short, at VMTW students will find an academic and social environment where everyone from faculty members to peers help shape their future.

VMTW is a home to aesthetically designed buildings with state-of-the-art computer and internet facilities, modern laboratories, workshops, seminar halls, auditoriums and well-stocked libraries, sports and games fields.

The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to VMTW and share their experiences with its present fellow students. With so much to offer, it is only natural that students of VMTW get a unique opportunity to carve a niche for themselves in their chosen field of study that enables them to become well-rounded and discerning citizens, fully qualified for their chosen professions in the workplace. Institute also brings out creativity in students by imparting engineering knowledge imbuing interpersonal skills to promote innovation, research and entrepreneurship.

About the Department

Department of Electronics and Communication Engineering was started since the inception of Vignan's Institute of Management and Technology for Women during 2008 with an initial intake of 90. The strength was enhanced to 120 during 2010. The Department had added Post graduate programme in VLSI during the year 2011 and Embedded Systems during 2014 with an intake of 18 each.

The Department has state-of-art laboratories equipped with advanced and well maintained equipment, continuously updated application software packages, more than adequate computing systems with 24x7, 10 MBPS internet facility. The department is run by well qualified and experienced faculty & supporting staff.

About NIT Warangal

National Institute of Technology Warangal is the first among 17 IITs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech and PhD programs in various specializations. All B.Tech and M.Tech programmes of NIT Warangal are NBA accredited.

Centre for Continuing Education Programme of NIT Warangal

This Centre of NIT Warangal organizes Continuing Education Programmes and Workshops in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and Socially relevant themes on self-financing basis in three different modes.

As NIT Warangal is established by NIT Warangal, NIT Warangal in collaboration with other departments of NIT Warangal Faculty at the Host Institution.



About the Course

Machine learning (ML) is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. The purpose of machine learning is to discover patterns in the data and then make predictions based on other complex patterns to answer business questions, detect and analyse trends and help solve problems.

Deep learning is part of a broader family of machine learning methods based on learning data representations, as opposed to task-specific algorithms. It is the buzz word of today's Artificial Intelligence (AI) industry.

Course Objectives

- Update the attendees with skills and knowledge in the field of machine learning and deep learning.
- Apprise the audience with pedagogical skills in the domain Deep Learning.
- Unleash the hidden research potential in machine learning and deep learning domain to the aspiring researchers.

Expected Outcomes

- At the end of FDP, participants will be able to
- Explore topics in Machine learning and Deep learning for their research work.
 - Select the research topic.
 - Design and implement various Machine learning and Deep learning algorithms in a range of real world applications.

Resource Persons

Eminent faculty from IITs, NITs, BITS, Central Universities, Industry and Senior Faculty from different departments of NIT Warangal will deliver the talks and conduct hands on sessions.

Vignan's Institute of Management & Technology for Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State





Principal
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State



**ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Introduction to Machine Learning and Its Applications**
(21 - 30 March, 2022)

Organized by
**Electronics & ICT Academy, NIT Warangal jointly with
VMTW Hyderabad & IITDM Kurnool**

(Sponsored by Ministry of Electronics and Information Technology (MeitY), Govt)

1. Name
2. Designation
3. Institution
4. Email
5. Mobile No.
- 6.

Reference No.
Amount
Bank
Date

7. Address for Correspondence
8. Educational Qualification
9. Address taught so far
10. No. of articles / papers / workshops attended
11. Experience in years

Teaching	Research	Industry
----------	----------	----------
12. Do you belong to SC/ST YES / NO

Declaration
The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to submit the attendance records, if any, timely to attend the course.

Date _____ Signature of the Applicant _____

SPONSORSHIP CERTIFICATE

To: /Mr. /Ms. _____
employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Introduction to Machine Learning and Its Applications" sponsored by Electronics & ICT Academy during 21 - 30 March, 2022 at IITDM Kurnool and Vignan's Institute of Management and Technology for women Kondapur, Ghatkesar, Hyderabad.

Signature of Head of Institution
(with seal)

Address for correspondence

Send your application form
Dr. S. RangaSwamy
Department of CSE (AI&ML)
Vignan's Institute of Management and Technology for women Kondapur, Ghatkesar, Hyderabad -501301

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form, has to be uploaded in the following online registration link.

Registration Link

For more details about Electronics & ICT Academy, NIT Warangal, please visit:

For more enquiries please contact:

Dr. S. Ranga Swamy
Mobile No: 9989896548, 7013369110
Email: srswamy@vignans.edu.in

Coordinators

Dr. R. PraneethaSree
Assistant Professor
Department of CSE
IITDM Kurnool
Contact No: 9491349696
Email: rpraneethasree@iitdm.ac.in

Dr. S. Ranga Swamy
Associate Professor & HOD
Department of CSE (AI&ML)
VMTW, Ghatkesar, Hyderabad
Contact No: 9989896548, 7013369110
Email: srswamy@vignans.edu.in



Principal
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State

REGISTRATION FORM

Name: _____
Date of Birth & Age: _____
Gender (M/F): _____
Qualifications: _____
A) Institution: _____
B) Affiliating University: _____
Address for Communication: _____
Phone Nos.
Office: _____
Personal: _____
Email: _____

LAST DATE FOR REGISTRATION: 8TH MAY, 2022

Resource Person:
Mr. T. L. Narsimha Rao,
President,
Yoga Consciousness Trust,
Hyderabad.

Chief-patrons:
Dr. L. Rathalah,
Chairman,
Vignan Group of Institutions.

Mr. B. Shraavan,
Chief Executive Officer,
Vignan Group of Institutions

Patron:
Dr. G. Apparao Naidu,
Principal, VMTW

Dr. A. Sudhir Babu,
Professor &
Head of the Department,
Department of CSE.

Co-ordinator:
Dr. C. Srinivasa Kumar,
Associate Professor,
Dept. of CSE,
Contact No: +91 98497 15531

www.vmtw.in

VIGNAN'S
INSTITUTE OF MANAGEMENT AND
TECHNOLOGY FOR WOMEN
(Sponsored by E.Mu Educational Society)
Approved by AICTE, New Delhi & Affiliated to JNTUW, Hyderabad
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (Dt) - 501301

A WORKSHOP ON "STRESS MANAGEMENT & SELF AWARENESS IN ASSOCIATION WITH YOGA CONSCIOUSNESS TRUST"

9TH TO 13TH MAY, 2022

VENUE
A-BLOCK SEMINAR HALL, VMTW

ORGANIZED BY
DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING



ABOUT THE INSTITUTION

Vignan's Institute of Management and Technology for Women (VMTW), is the brainchild of Dr. L. Rathalah Chairman, Vignan Group of Institutions, which was founded in August 2008, with four branches of Engineering.

VMTW is an exemplary institution of higher learning with a mission of pursuing excellence in education and research. The institution, with its diverse and dynamic community of about 2000 students offers a distinctive combination of some of the finest facilities for 7 different graduate and undergraduate programs, accomplished faculty, world-class facilities with a hostel set on a sprawling area of 22 acres sylvan surroundings of mango groves and greenery.

While students at VMTW immerse themselves in academics, the college has a lot in store for them outside the classroom. Student life includes participation in sports, recreational & co-curricular, and cultural activities. In short, at VMTW students will find an academic and social environment where everyone from faculty members to peers helps shape their future.

VMTW is a home to aesthetically designed buildings with state-of-the-art computer and internet facilities, modern laboratories, workshops, seminar halls, auditoriums, and well-stocked libraries, sports, and games fields.

The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to VMTW and share their experiences with its present fellow students. With so much to offer, it is only natural that students of VMTW get a unique opportunity to carve a niche for themselves in their chosen field of study that enables them to become well-rounded and discerning citizens, fully qualified for their chosen professions in the workplace. Institute also brings out the creativity in students by imparting engineering knowledge imbuing interpersonal skills to promote innovation, research, and entrepreneurship.

ABOUT THE DEPARTMENT

Department of CSE, VMTW has started B Tech in Computer Science and Engineering in the year 2008 with an intake of 90. The scholarly ambiance in CSE Department is encouraging to the complete development of the students with well-equipped labs. Department has dedicated and professionally well competent faculty and the many of the faculty are pursuing Ph.D. in emerging areas like Artificial Intelligence, Machine Learning, Cyber Security, Data Science and Block Chain. The main objective is to prepare the students to be successful in Computer Science Engineer to meet the industry needs, encourage lifelong skills and strengthen research.

ABOUT THE PROGRAM

Self-awareness represents the capacity of becoming the object of one's own attention. In this state one actively identifies, processes, and stores information about the self. This paper surveys the self-awareness literature by emphasizing definition issues, measurement techniques, effects and functions of self-attention, and antecedents of self-awareness. Key self-related concepts (e.g., minimal reflective consciousness) are distinguished from the central notion of self-awareness. Reviewed measures include questionnaires, implicit tasks, and self-recognition. Main effects and functions of self-attention consist in self-evaluation, escape from the self, and amplification of one's subjective experience, increased self-knowledge, self-regulation, and inferences about others' mental states (Theory-of-Mind). A neurocognitive and socio-ecological model of self-awareness is described in which the role of face-to-face interactions, reflected appraisals, mirrors, media, inner speech, imagery, autobiographical knowledge, and neurological structures is underlined.

OBJECTIVES

The objective of this program is to provide deep knowledge in self-awareness & mental health and tools. The FDP will be very useful to teachers to nourish their mental health and practice healthy life style. This program also focuses on exploring various challenges in the medical field.

HIGHLIGHTS

- Excellent Research Centre with Latest Infrastructure
- Wi-Fi-enabled campus
- Pre-Placement Training
- Placements in TOP-Notch Companies
- Industry/Research experience
- Technical case studies, online assignments & internal exams
- Guest lectures by experts from Industry
- Well-Furnished hostels
- Indoor and Outdoor Games



Principal
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

Sponsored by Lavu Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



Report of Events Organized

1. Online FDP on “Machine Learning and Deep Learning in Signal Processing Applications”

Department of Electronics & Communication Engineering conducted one week Faculty Development Program on “Machine Learning and Deep Learning in Signal Processing Applications” in association with Centre for Continuing Education, NIT Warangal from 27th September to 1st October 2021 in online mode. Dr. Ramana Rao, Director, NIT Warangal, Dr. J Ravi Kumar, Associate Professor, ECE, NIT Warangal and Dr. Raju Bhukya, Assistant Professor, CSE, NIT Warangal delivered the talk and conducted hands on sessions.

Total 73 participants actively participated in this FDP. This FDP had provided a well adverse opportunity to learn about Machine Learning and Deep Learning applications in Signal Processing to all the active participants from India and abroad.

2. Online FDP on “Introduction to Machine Learning and Its Applications”

An online Faculty Development Programme on “Introduction to Machine Learning and Its Applications” organized by Electronics & ICT Academy, NIT Warangal jointly with VMTW, Hyderabad and IIITDM, Kurnool from 21-03-2022 to 30-03-2022.

The Resource persons for the program are :

Dr. Perugu Shyam, NITW, Prof. C S Sastry, IIT Hyderabad, Prof. P. Radha Krishna, NITW, Prof. RBV Subramanyam, NITW, Dr. M Srinivas, NITW, Prof. Garimella Ramamurthy, Mahindra University, Dr. RBV Pranitha Sree, IIITDM Kurnool, Dr. Venkateshwara Rao, NITW, Dr. Ramalinga Swamy, NITW and Dr. Sujit Das, NITW. They have given the complete details about the topics Regression Models, Introduction to Python, Introduction to Machine Learning, Logical Inference, Python Software’s, Tensor Flow and CUDA Packages, Research in Machine Learning, Introduction to Artificial Intelligence, Python Iterator, Generator, Closure, Decorators, Dimensionality Reduction and PCA Classification,



Principal

Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State

Introduction to Neural Networks Single and, Multi layered Neural Networks, Association Rule Mining, Unsupervised Learning Method (Clustering), Collaborative Filtering, Reinforcement Learning Method, Support Vector Machines, Ensemble Method and Random Forest Method, Searching Techniques Learning rules and clustering for biological data.

3. Professional Development Programme on “Stress Management & Self Awareness in Association with Yoga Consciousness Trust”.

The Department of Computer Science & Engineering has conducted a workshop on “**Stress Management & Self Awareness in Association with Yoga Consciousness Trust**” for Non-Teaching Faculty.

Self-awareness is the first step in creating what you want and mastering your life. It allows you to see where your thoughts and emotions are taking you. It also allows you to take control of your emotions, behavior, and personality so you can make the changes you want.

Mr. T. L. Narsimha Rao, President, YOGA Consciousness Trust, acted as the resource person for this Workshop session.

Total **36** Number of members had participated in the workshop. This workshop session had provided an excellent opportunity to manage the Stress & Self-awareness to all the participants.




Principal
Vignani's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,
Telangana State