

# VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN



## ANNUAL REPORT ON FDP/PROFESSIONAL DEVELOPMENT / ADMINISTRATIVE TRAINING PROGRAMMES ( 2021-2022 )



  
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 - Malkajiri (D) - 501 301 Phone: +91 96529 10002/3



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*[Signature]*  
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Teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the

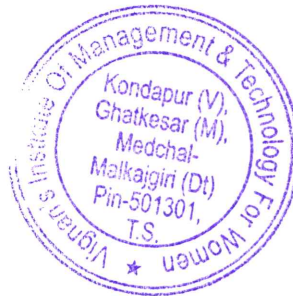
**A.Y 2021-22**

Sl. No	Year	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)	No. of days	No. of Teaching / Non-Teaching Attended
1	2021-22	FDP ON RECENT RESEARCH TRENDS IN AI/ML AND DATA SCIENCE	05-07-2021 to 10-07-2021	5 Days	3
2	2021-22	ONLINE FDP ON BLOCK CHAIN & IOT	12-07-2021 to 22-07-2021	40 Hours	2
3	2021-22	ONE WEEK FDP ON DATA SCIENCE USING PYTHON	19-07-2021 to 23-07-2021	One Week	4
4	2021-22	ONE WEEK FDP ON SKILL DEVELOPMENT & RURAL TECHNOLOGY INNOVATION	26-07-2021 to 30-07-2021	One Week	2
5	2021-22	ONE WEEK FDP ON DRIFTS IN CYBER CRIMES	02-09-2021 to 07-07-2021	One Week	5
6	2021-22	ONE WEEK ONLINE FDP ON APPLIED CHEMISTRY TO DESIGN SMART MATERIALS FOR DEVICE APPLICATIONS	20-09-2021 to 24-09-2021	One Week	3
7	2021-22	ONLINE FDP ON MACHINE LEARNING AND DEEP LEARNING IN SIGNAL PROCESSING APPLICATIONS	27-09-2021 to 01-10-2021	5 Days	3
8	2021-22	ONE WEEK ONLINE FDP ON ROLE OF CHEMISTRY IN ADVANCED ENGINEERING MATERIALS	25-10-2021 to 29-10-2021	One Week	4
9	2021-22	ONE WEEK FDP ON DEVOPS	15-11-2021 to 19-11-2021	One Week	3
10	2021-22	FDP ON RECENT TRENDS IN MICROWAVE AND BEYOND TECHNIQUES	15-11-2021 to 20-11-2021	5 Days	3
11	2021-22	NATIONAL WEBINAR ON RESEARCH TRENDING AREAS IN HUMANITIES	15-11-2021 to 20-11-2021	One Week	3
12	2021-22	ONE WEEK FDP ON BIG DATA ANALYTICS & APPLICATIONS	18-11-2021 to 22-11-2021	One Week	3
13	2021-22	EDP ON CYBER SECURITY, ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	20-11-2021 to 25-11-2021	One Week	5
14	2021-22	ONE WEEK FDP ON OUTCOME BASED EDUCATION	13-12-2021 to 17-12-2021	One Week	4
15	2021-22	5 DAY FDP ON QUANTUM COMPUTING & COMMUNICATIONS :NEW PARADIGM	27-12-2021 to 31-12-2021	5 Days	3
16	2021-22	ONE WEEK FDP ON MACHINE LEARNING ALGORITHMS FOR DEAD TIME SYSTEMS (MLADTS)	24-01-2022 to 29-01-2022	One Week	3
17	2021-22	ONE WEEK FDP ON RECENT TRENDS IN ARTIFICIAL INTELLIGENCE, IOT & DATA ANALYTICS	09-02-2022 to 13-09-2022	One Week	1
18	2021-22	SIX DAY FDP ON ADVANCES IN WIRELESS COMMUNICATION TECHNOLOGIES	14-02-2022 to 18-02-2022	One Week	3



  
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19	2021-22	ONE WEEK FDP ON ADVANCEMENTS IN WIRELESS COMMUNICATION TECHNOLOGIES AND NETWORKING AND APPLICATIONS	21-03-2022 to 25-03-2022	One Week	2
20	2021-22	40 HOURS ONLINE FDP ON INTRODUCTION TO MACHINE LEARNING AND ITS APPLICATIONS	21-03-2022 to 30-03-2022	40 Hours	4
21	2021-22	FDP ON COMPUTER HARDWARE & NETWORKING	25-04-2022 to 24-05-2022	96 Hours	1
22	2021-22	FDP ON RESEARCH METHODOLOGY TECHNIQUES AND BASIC STATISTICAL TOOLS FOR DATA ANALYSIS	26-04-2022 to 30-04-2022	One Week	5
23	2021-22	SIX DAY FDP ON AUTOMATED TESTING TOOLS(SELINIUM)	09-05-2022 to 14-05-2022	6 Days	3
24	2021-22	ONE WEEK FDP ON ICT TOOLS FOR EFFECTIVE TEACHING & LEARNING	23-05-2022 to 28-05-2022	One Week	3
25	2021-22	A FIVE DAY WORKSHOP ON STRESS MANAGEMENT & SELF AWARENESS IN ASSOCIATION WITH YOGA CONSCIOUSNESS TRUST	09-05-2022 to 13-05-2022	5 Days	36



  
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## Brief Summary of Annual Report

Our Faculty had participated in Refresher/FDP/PDP/Administrative Training Programmes at various Colleges during the A.Y 2021-22. The distinct program list shown above.

### 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 27<sup>th</sup> September to 1<sup>st</sup> 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.

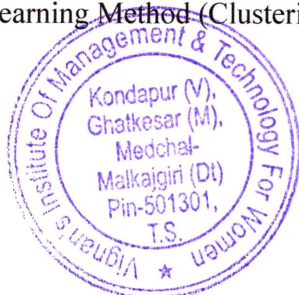
Total 73 participants actively participated in this FDP. This FDP had provided a well adverse opportunity to learn about Machine Learning and Deep Learning applications in Signal Processing to all the active participants from India and abroad.

### 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, Introduction to Neural Networks Single and, Multi layered Neural Networks, Association Rule Mining, Unsupervised Learning Method (Clustering),



  
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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.



  
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20-09-2021

From:  
Mr. Vijaykumar R. Urkude  
Associate Professor, ECE  
VMTW.

To  
The Principal,  
VMTW,  
Kondapur, Ghatkesar.

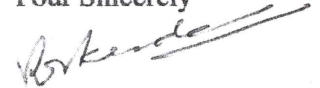
Respected Sir,

**Subject: Request for approval to conduct One Week Online National Faculty Development Program on "Machine Learning and Deep Learning in Signal Processing Applications".**

I, Vijaykumar R. Urkude, HOD(ECE) , VMTW here by request your approval to conduct a One Week Online National Faculty Development Program on " **Machine Learning and Deep Learning in Signal Processing Applications**" for ECE and allied departments . We would like to conduct this program from 27-09-2021 to 01-10-2021. So please grant us permission for conducting the FDP.

Thanking you Sir,

Your Sincerely



Vijaykumar R. Urkude  
Associate Prof. &  
HOD(ECE)

*Approved*  
*[Signature]*



*[Signature]*  
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## 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 20<sup>th</sup> September, 2021.

<https://tinurl.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 22<sup>nd</sup> 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-Patrons

**Dr. L. Rathaiah,**  
Chairman, Vignan Group of Institutions.

**Sri. B. Sravan,**  
CEO, Vignan Group of Institutions

### Patrons

**Dr. G. Apparao Naidu,**  
Principal

### Coordinator

**Vijaykumar R. Urkude**  
Associate Professor, ECE  
Contact No: 9293793986  
Email: vijay@vmtw.in

### Co-Coordinator

**Dr. Telugu Maddileti**  
Professor and HOD, ECE  
Email: ece@vmtw.in

### Coordinator from NIT Warangal

**Dr. Raju Bhukya**  
Assistant Professor,  
Incharge CCE & Coordinator,  
Department of CSE, NIT Warangal,  
Mobile: 9700553922, 8332969733  
Email: raju@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


27<sup>th</sup> September to 1<sup>st</sup> October, 2021

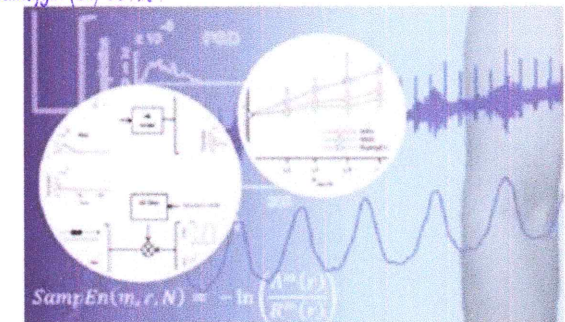
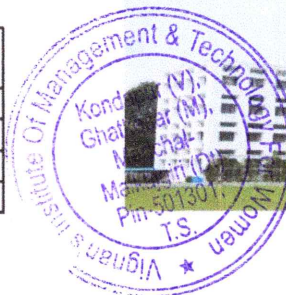
Organized by

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

in association with

Center of Continuing Education  
NIT, Warangal

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





## About the Institution

Vignan's Institute of Management and Technology for Women (VMTW), is the brainchild of **Dr. L Rathaiah, 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, 30 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 RECs 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 Ph.D 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:

(i) At NIT Warangal by NIT Warangal

(ii) At NIT Warangal in collaboration with other organizations

(iii) By NIT Warangal Faculty at the Host Organization/Institute.

## 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 often 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

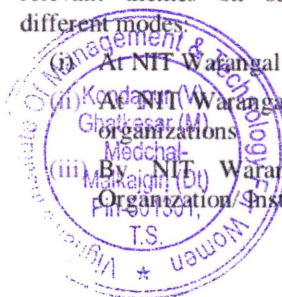
At the end of FDP, participants will be able to

- 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, IIITs, Central Universities, Industry and Senior Faculty from different departments of NIT Warangal will deliver lectures and conduct hands on sessions.

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NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

Center for Continuing Education

&

VIGNAN'S INSTITUTE OF MANAGEMENT AND  
TECHNOLOGY FOR WOMEN

Dept. of Electronics and Communication Engineering

Machine Learning & Deep Learning in Signal Processing  
Applications

27<sup>th</sup> Sept 2021 - 1<sup>st</sup> Oct 2021



Day	Name of the Topic
Day 1	Effective Online Teaching Methodologies Introduction to DSP and ML Applications Introduction to object detection with OpenCV
Day 2	ML and AI applications using signal Processing Introduction to Python Why Python Programming, data Types, Operators, Control Flow, Functions, Scripting, Classes Artificial Intelligence with Python Software's: Jupiter Note Books, Anaconda, Tensor Flo
Day 3	Artificial Neural networks Back Propagation RNN and Types of RNN
Day 4	K-Means Clustering ALGORITHM for color quantization
Day 5	CNN for digit recognition Biomedical signal processing

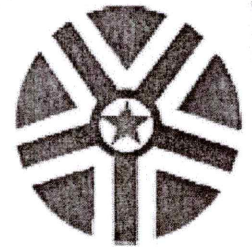
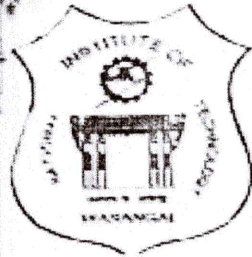
Prof NV Ramana Rao	Dr. ShivaKumar	J.Ravi Kumar	D. Sai
Dr Raju Bhukya	Dr .Chandra Mohan	Allam Bharath	Prasad Kumar



  
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Centre for Continuing Education  
NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL  
AND

VIGNAN'S INSTITUTE OF MANAGEMENT  
AND TECHNOLOGY FOR WOMEN, HYDERABAD



Participation Certificate

This is to certify that Dr./Mr./Mrs. **Mr. B. PHIJIK**, Asst Prof from  
**VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN,**  
**GHATKESAR, KONDAPUR, TELANGANA 501301** has attended online Faculty  
Development Program on **Machine Learning and Deep Learning in Signal**  
**Processing Applications** conducted during **27-09-2021 to 01-10-2021**.

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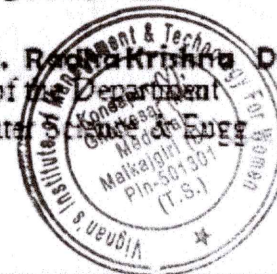
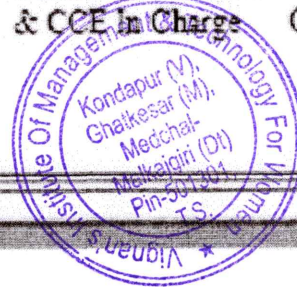
**Vijaybhar R. Urbude**  
Course Coordinator  
VMTW

**Dr. Raju Bhuby**  
Course Coordinator  
& CCE in Charge

**Prof. P. Radhika Krishna**  
Head of the Department  
Computer Science & Engg

**Dr. G. Apparao Naidu**  
Principal  
VMTW

**Prof. N.V. Ramana Rao**  
Director  
NIT Warangal



Vignans Institute of Management & Technology For Women  
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Telangana State

18-03-2022

From:  
Dr.S.Ranga Swamy,  
Associate Professor & HOD(CSE(AI&ML))  
VMTW.

To  
The Principal,  
VMTW,  
Kondapur,Ghatkesar.

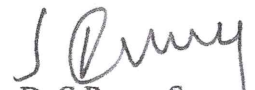
Respected Sir,

**Subject: Request for approval to conduct Two Week Online Faculty Development Program on "Introduction to Machine Learning and its Applications" .**


I, Dr.S.Ranga Swamy, HOD(CSE(AI&ML)) , VMTW here by request your approval to conduct a Two Week Online Faculty Development Program on " Introduction to Machine Learning and its Applications" for all Dept's . We would like to conduct this program from 21-03-2022 to 30-03-2022. So please grant us permission for conducting the FDP.

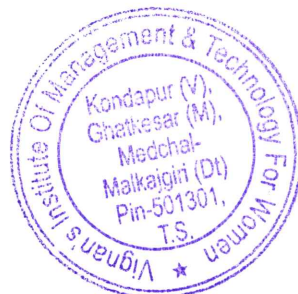
Thanking you Sir,

Your Sincerely



Dr.S.Ranga Swamy  
Associate Prof. &  
HOD(CSE(AI & ML))

Approved  




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Vignans 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)

Organised by

**Electronics & ICT Academy, NIT Warangal jointly with  
VMTW Hyderabad & IIITDM Kurnool**

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

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. Subjects taught so far:
10. No. of refresher courses/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 inform the Coordinator in case, I am unable to attend the course.

Date \_\_\_\_\_ Signature of the Applicant \_\_\_\_\_

**SPONSORSHIP CERTIFICATE**

Dr. /Mr. /Ms. .... is an 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 **IIITDM Kurnool and Vignan's Institute of Management and Technology for women Kondapur, Ghatkesar, Hyderabad.**

Signature of Head of Institution  
(with seal)

**Address for correspondence**

Post 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:  
<https://nitw.ac.in/eict>

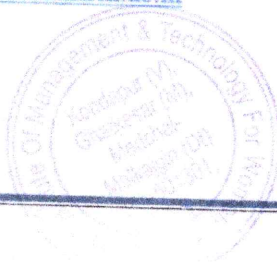
**For more enquiries please contact:**

**Dr. S. Ranga Swamy**  
Mobile No: 9989896548, 7013369110  
Email: [sirisatiranga@vmtw.in](mailto:sirisatiranga@vmtw.in)

**Coordinators**

**Dr. R. PraneethaSree**  
Assistant Professor  
Department of CSE  
IIITDM Kurnool  
Contact No: 9491349696  
Email: [rpraneethasree@iiitk.ac.in](mailto:rpraneethasree@iiitk.ac.in)

**Dr. S. Ranga Swamy**  
Associate Professor & HOD  
Department of CSE (AI&ML)  
VMTW, Ghatkesar, Hyderabad  
Contact No: 9989896548, 7013369110  
Email: [sirisatiranga@vmtw.in](mailto:sirisatiranga@vmtw.in)



*(Signature)*  
Principal  
Vignan's Institute of Management and Technology for Women  
Kondapur, Ghatkesar, Hyderabad



# ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON Introduction to Machine Learning and Its Applications

(21 – 30 March, 2022)

Organised by

Electronics & ICT Academy, NIT Warangal jointly with  
VMTW Hyderabad & IIITDM Kurnool

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

## Preamble:

“Electronics & ICT Academy” was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes (FDPs) in standardized courses and emerging areas of Electronics, Information Communication Technologies, training and consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

## About the FDP:

To enhance the capabilities of participants with basic to advanced concepts of Artificial Intelligence and Machine Learning Inspire the attendees with skills and knowledge in the field of machine learning and python towards potential research with instructive skills in the domains of AI and ML

## Major Course Contents:

### Machine Learning:

- ❖ Introduction to Artificial Intelligence
- ❖ Introduction to Machine Learning
- ❖ Challenges and opportunities in Machine Learning
- ❖ Logical Inference, Knowledge Representation
- ❖ Supervised Learning, unsupervised Learning
- ❖ Reinforcement Learning, Searching Techniques
- ❖ Regression, Classification, Clustering, Association

### Python Programming:

- ❖ Python Flow Control, Python Functions, Python Files
- ❖ Python Objects & Classes

### Software:

- ❖ Jupiter Notebooks, Anaconda, Tensorflow, CUDA

### Packages:

- ❖ Pandas, Numpy, Matplotlib

### Python Advanced Topics:

- ❖ Python Iterator, Python Generator,
- ❖ Python Closure, Python Decorators, Python Property

## Real Time Projects and Case Studies will be discussed

## Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal as well as Academicians in the concerned field from IITs/NITs/IIITs and other reputed Institutes. Speakers from industries are also expected to deliver as part of the course.

## Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

Participants need to pay the Registration Fee Online using the following details

### Online Transfer Details

Account Name: **Electronics & ICT Academy NITW**  
Account No: **62423775910**  
IFSC: **SBIN0020149**  
Bank and Branch: **State Bank of India, NIT (REC) Warangal**

## How to apply:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/Udrg9GceWx8ioidB7>

## Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are allowed for selecting candidates as per GOI norms.

## Important Dates:

Last date (Application & DD)	16.03.2022
Selection List by E- mail	18.03.2022
Duration	21.03.2022 to 30.03.2022

## About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs 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 Ph.D programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

## About IIITDMK:

Indian Institute of Information Technology, Design & Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014, and its subsequent publication in the Gazette of India, Extraordinary, Part- II, Section I, on December 08, 2014. The institute was announced by Government of India to give effect to its obligation under the Andhra Pradesh reorganization act 2014. IIITDM Kurnool is fully funded by Ministry of Education.

## About VMTW:

Vignani's Institute of Management and Technology for Women (VMTW), is the brainchild of Dr. L Rathaiah, Chairman, Vignani Group of Institutions, was founded during August 2008. Having branches of CSE, IT, ECE, CSE (AIML, AIDS, DS) VMTW is an exemplary institution of higher learning and internet facilities, modern laboratories, workshops, seminar halls, auditoriums and well stocked libraries. 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.



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(Sponsored by Lavu Educational Society)

[Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi]

Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301. Phone: 96529 10002/3



## Department of CSE (Artificial Intelligence & Machine Learning) Online Faculty Development Programme Report On

### INTRODUCTION TO MACHINE LEARNING AND IT'S APPLICATIONS

(21<sup>st</sup> March 2022 To 30<sup>th</sup> March 2022)

Organised by

Vignan's Institute of Management and Technology for Women

in Association with

E&ICT Academy, National Institute of Technology Warangal

The program was inaugurated in the morning 10.00 am on 21st March 2022, with the Resource Person Prof. P Radha Krishna, NITW, along with our Principal, Head of Department, faculty members and participants. The Event Coordinator Dr.S. Ranga swamy (Associate Professor & HOD).

In presidential speech, Hon. Principal Dr. G. Apparao Naidu shared his views with the faculty participants that if faculty wants to develop themselves and their students, then attending such faculty development program would enhance their skills of teaching concepts practically. Sir further shared that it helps to improve the performance of faculty in teaching and highlighted the importance and objectives of organizing faculty development program. He briefed the participants about the subjects chosen for the FDP and highlighted the reasons and importance of the same. In the welcome speech, Hon. Prof. P Radha Krishna shared his views on faculty development. He further added that this program will provide special benefits to faculty members. The inauguration program ended with vote of thanks by Dr. S. Ranga Swamy (Associate Professor & HOD), Department of CSE(AI&ML).



  
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Telangana State



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## Valedictory Session

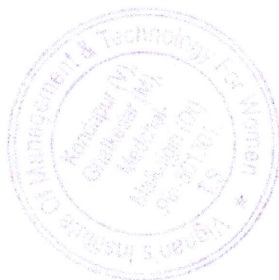
Receiving an overwhelming response from participants, the Ten-day FDP on "Machine Learning and its Applications" came to an end with the Valedictory Session, graced by Hon'ble Principal, Dr. G. Apparao Naidu on 30/03/2022 (the last day). Sir congratulated the management of the college, organizers, and all participants for their lively participation. Vote of Thanks was delivered by the FDP Coordinator Dr. S. Ranga Swamy (Associate Professor & HOD). "The end of a story is the new beginning for many others", the program concluded on this happy note.

## Outcome of the Event

Total 63 Members are attended for this FDP. All the sessions were very informative. The discussed areas are of great benefit to the participants as the topics match with the academic curriculum. Participants were educated on Machine Learning based Applications like image processing, speech processing, video processing etc. The participants gained fundamental knowledge of machine learning. This FDP was immensely useful for the beginner level, middle level research scholars and Assistant Professors. The research scholars can get technical inputs for their research work from the Resource Persons.

  
**Dr. S. Ranga Swamy**  
**(FDP Coordinator)**

  
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## FDP Sessions

Meeting Info

Ajay Bansal (S)

A Ravi Kumar    B J D KALYANI    Bhavani Geetha    DARA SRINIVASU

Participants (46)

Dr. BVV Pr...

Dr. S. Reng...

Ajay Bansal

A Ravi Kum...

B J D KALY...

Bhavani Ge...

DARA SRI...

Dr. Kotan S...

Dr. Srutha...

Dr. C. Srin...

Unmute    Share    Participants

**Historical perspective**

- AI pioneers (especially McCarthy and Minsky) realized the importance of KR to AI.
- McCarthy 1959: *Programs with commonsense* (perhaps the first paper on logical AI).
- Minsky 1974: *A framework for representing knowledge*.

John McCarthy

Marvin Minsky



*Wah*  
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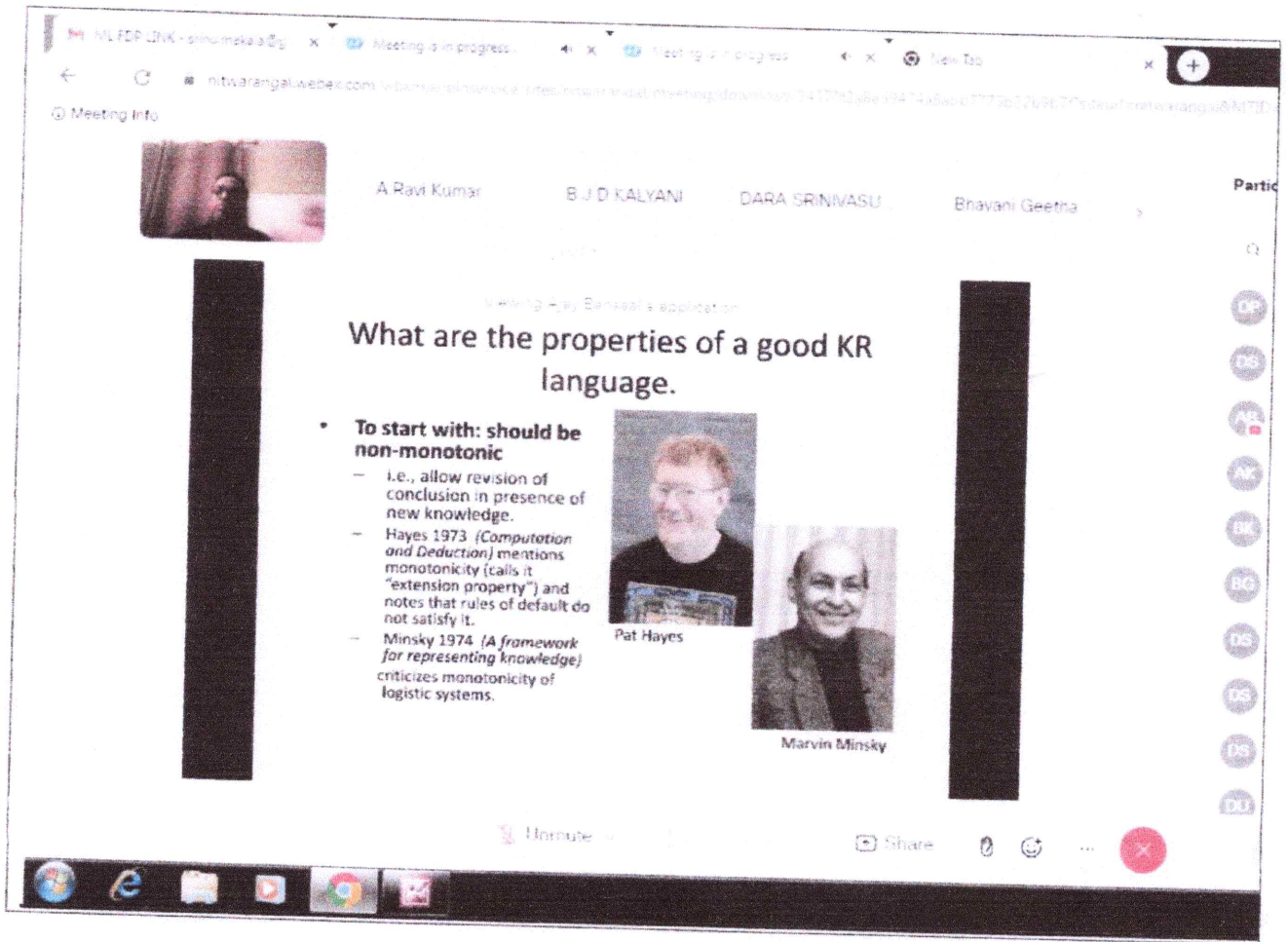


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*[Signature]*  
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## FDP Sessions

Meeting Info: Meeting ID: 965 291 0002

Participants (46): A.Ravi Kumar, B.U.D.KALYANI, Bhavani Geetha, DARA SRINIVASU, Dr. BV Prasad, Dr. S. Rang..., Ajay Bansaal, A.Ravi Kum..., B.U.D.KALI..., Bhavani Ge..., DARA SRI..., Dr. Kotan S..., Dr. Shubha..., Dr. C. Srinu...

### Historical perspective

- AI pioneers (especially McCarthy and Minsky) realized the importance of KR to AI.
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John McCarthy

Marvin Minsky



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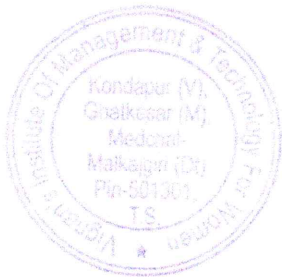
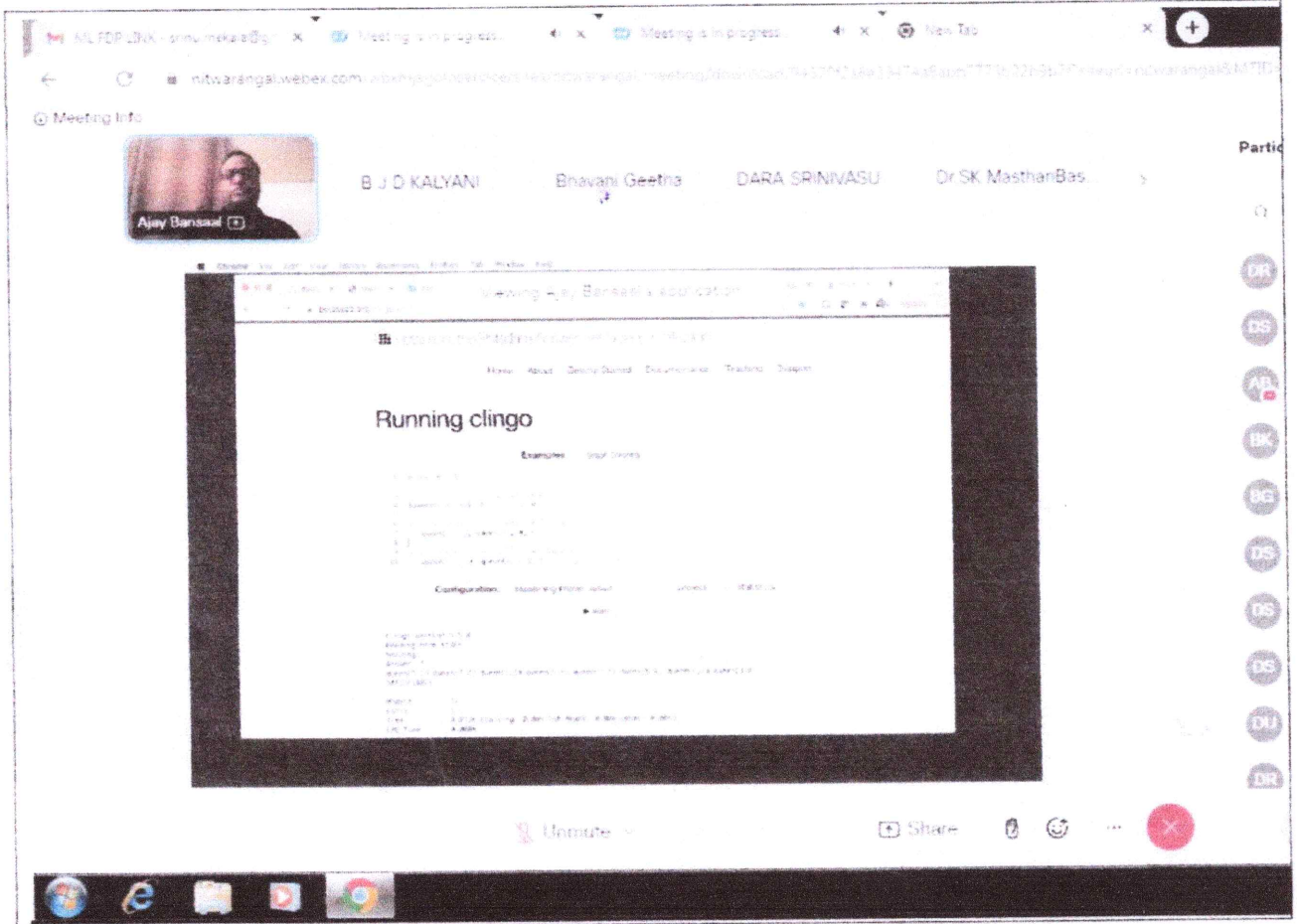


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*[Handwritten Signature]*

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Telangana State



**ELECTRONICS & ICT ACADEMY**  
**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL, (T.S.), INDIA**  
 and


Indian Institute of Information Technology Design and Manufacturing, Kurnool  
 Vignan's Institute of Management and Technology for Women, Ghatkesar, Hyderabad


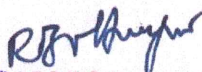
**Participation Certificate**

This is to certify that **Veerakumar P, Research Scholar**  
 from **THE GANDHIGRAM RURAL INSTITUTE (DEEMED TO BE UNIVERSITY), GANDHIGRAM** has  
 participated in a 40-hour Online Faculty Development Programme on **"Introduction to Machine Learning and Its Applications"** Sponsored by Ministry of Electronics and Information Technology (MeitY) GoI, organised by E&ICT Academy, NIT Warangal, Indian Institute of Information Technology Design and Manufacturing, Kurnool and Vignan's Institute of Management and Technology for Women, Ghatkesar, Hyderabad during 21<sup>st</sup> - 30<sup>th</sup> March, 2022.


She / He has successfully completed all the requirements for the completion of the programme.

  
**Dr. S. Ranga Swamy**  
 Coordinator  
 VMTW, Hyderabad


  
**Dr. R. Praneetha Sree**  
 Coordinator  
 IIITDM Kurnool

   
**Dr. G. Apparao Naidu** **Prof. R.B.V. Subramanyam**  
 Principal Chief Investigator  
 VMTW, Hyderabad E&ICT Academy, NIT Warangal

  
**Prof. D. V. L. N. Somayajulu**  
 Director  
 IIITDM Kurnool

  
**Prof. N.V. Ramana Rao**  
 Director  
 NIT, Warangal



  
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Date: 07-05-2022

## CIRCULAR

This is to inform all the HOD's that there will be a Workshop on "Stress Management & Self Awareness" for Non-Teaching staff from 09-05-2022 to 13-05-2022 in association with Yoga Consciousness Trust. The Workshop will be coordinated by Dr. C. SRINIVASA KUMAR, Associate Professor, CSE Department. All the Non-Teaching staff are here by informed to actively participate and make the event successful.

  
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**Copy To,**  
All - HOD's,  
Circulate to All Non-Teaching,  
Notice Board.

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## 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: 8<sup>TH</sup> MAY, 2022**

Resource Person:

**Mr. T. L. Narsimha Rao,**  
President,  
Yoga Consciousness Trust,  
Hyderabad.

Chief-patrons:

**Dr. L. Rathaiah,**  
Chairman,  
Vignan Group of Institutions.

**Mr. B. Shravan,**  
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



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**Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301**

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

**9<sup>TH</sup> TO 13<sup>TH</sup> MAY, 2022**

PRINCIPAL

**Dr. A. Sudhir Babu,** Vignan's Institute of Management & Technology For Women  
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (D)  
Telangana State

Professor &  
Head of the Department,  
Department of CSE.

VENUE:

**A-BLOCK SEMINAR HALL, VMTW**

ORGANIZED BY:

**DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING**



[www.vmtw.in](http://www.vmtw.in)

## ABOUT THE INSTITUTION

Vignan's Institute of Management and Technology for Women (VMTW), is the brainchild of Dr. L. Rathaiah, 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 imbining 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

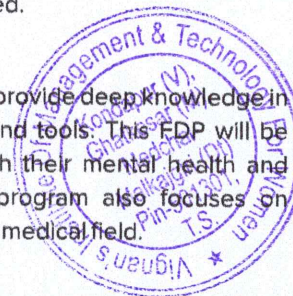
Self-awareness represents the capacity of becoming the object of one's own attention. In this state one actively identifies, processes, and stores information about the self. This paper surveys the self-awareness literature by emphasizing definition issues, measurement techniques, effects and functions 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. This 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

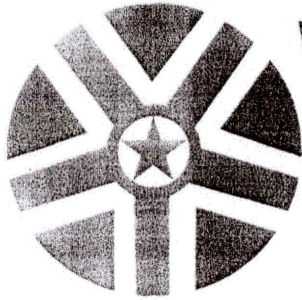
- Excellent Research Centre with Latest Infrastructure
- Wi-Fi enabled campus
- Pre Placement Training
- Placements in TOP-Notch Companies
- Industry/Research experience
- Technical case studies, online assignments & internal exams
- Guest lectures by experts from Industry
- Well Furnished hostels
-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



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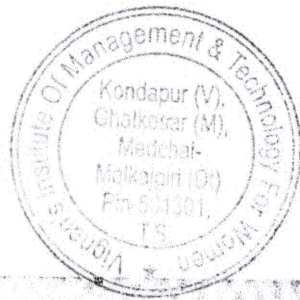
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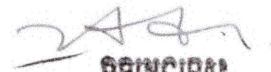


## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms./Mrs. A. Swetha Reddy, Programmer  
of Vignans Institute of Management and Technology for Women has participated in  
a Workshop on **“STRESS MANAGEMENT & SELF AWARENESS IN ASSOCIATION  
WITH YOGA CONSCIOUSNESS TRUST”** held on 9<sup>th</sup> to 13<sup>th</sup> May 2022, Organized by  
Vignans Institute of Management and Technology for Women.

  
Co-ordinator



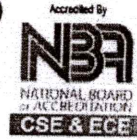
  
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Principal



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## Department of Computer Science Engineering A Report on

### “Stress Management & Self Awareness in Association with Yoga Consciousness Trust”

Date: 18-05-2022

Department of Computer Science Engineering conducted workshop on – “Stress Management & Self Awareness in Association with Yoga Consciousness Trust”, during 09-05-2022 to 13-05-2022 for Non – Teaching Faculty.

**Speaker:** Mr. T. L. Narsimha Rao, President, YOGA Consciousness Trust, as the resource person for this 5-Day Workshop session.

The main objective of this program is to inculcate the knowledge on Stress Management & Self Awareness in Association with Yoga Consciousness Trust, to motivate all non-teaching Faculty, to do and participate in effective health activities.

**Coordinators:** Mr. C. Srinivas Kumar, Associate Professors, from CSE Department acted as Coordinator for this Workshop.

Total 36 Number of members had participated in the workshop. This workshop session had provided an excellent opportunity to manage the Stress Management & Self Awareness in Association with Yoga Consciousness Trust to all the participants.

**Date & Time:** The Workshop was conducted from 09-05-2022 to 13-05-2022 at 10:00 AM–3:00 PM

We would like to thank our honorable Sri Dr. L Rathaiah, Chairman, Sri B. Shravan, CEO, Dr. G. Appa Rao Naidu, Principal and Dr. A. Sudheer Babu, HoD-CSE, for their support for successful completion of five day workshop.

The entire non-teaching Faculty, participants felt very happy for attending the program and most of them given excellent in feedback.



  
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Telangana State



## Topics Covered:

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.

The more self-aware we are, the more likely we are to achieve our goals both at work and in life generally. We are also more likely to engage in self-care behaviors in order to develop, protect, maintain and improve our health, wellbeing or wellness.

## What is self-awareness and why is it important?

Having self-awareness means that you have a clear understanding of your personality, including your strengths and weaknesses, your thoughts and beliefs, your emotions, and your motivations.

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.

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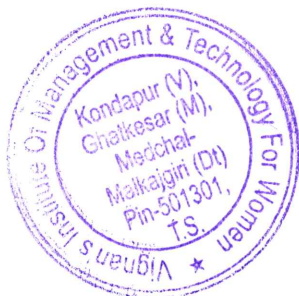
## Self-awareness and stress

At Illuminate we specialize in mental wellbeing in the workplace and a lot of the training we deliver tends to be to managers who want to build their knowledge, confidence and mental health literacy generally so that they are equipped to proactively support their teams. What is also important and fundamental to a thriving workplace, is for staff at all levels within an organization to be self-aware.

Being aware of our own warning signs of stress or mental ill health not only ensures we look after ourselves more effectively, but also enhances our emotional intelligence and will result in higher empathy towards others.

## Common signs that could indicate a lack of self-awareness at work (and remember we are all human so are not immune to these traits):

- Being defensive
- Being in denial (both in terms of situations that are going on around you and of your own feelings, thoughts, stress levels)
- Feeling the need to micro-manage projects / people / situations – this provides a sense of control without having to address your own concerns Making excuses or blaming others.



*[Handwritten Signature]*

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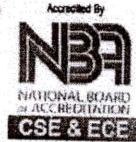
Vignani's Institute of Management & Technology For Women

Kondapur (V), Ghatkesar (M), Medchal-Malkajiri (Dt)-501301  
Telangana State



# VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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## 4 steps for building self-awareness of stress at work:

1. Know what it feels like for you to be at your best. Ask yourself "how do you feel?", "how do you behave in the workplace and at home?", and "how do others view you?"
2. Be clear on your warning signs – when are you tipping into the 'switched off' or 'stressed out' areas of the pressure performance curve below? How does stress manifest itself physically, behaviorally, emotionally and cognitively?
3. Build a toolkit of resources and support that keeps you well, and which you can draw upon when you see these warning signs emerging (this will very much depend on what works for you, whether that be mindfulness, reflection, a dedicated support network, physical activity, self-development courses)
4. Remember to regularly use the toolkit to maintain positive wellbeing – and be mindful of the barriers that prevent you from doing so!

## WAYS TO OVERCOME STRESS:

- Mindfulness-Based Stress Reduction
- Meditation
- Professional Communication Training.

  
COORDINATOR

  
HOD - CSE  
Head of the Department  
Computer Science and Engineering  
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## Attendance Sheet on workshop: Stress Management & Self Awareness in Association with Yoga Consciousness Trust

S. No	Name of the Non-Teaching Faculty	Department	09-05-2022	10-05-2022	11-05-2022	12-05-2022	13-05-2022
1	K Sudhakar Reddy	Admin	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	M. Veena Kumari	BSH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	S Sukumar	Admin	Sukumar	Sukumar	Sukumar	Sukumar	Sukumar
4	D Laxmi Prasanna	Admin	Lpxy	Lpxy	Lpxy	Lpxy	Lpxy
5	Vinoda	Admin	vinoda	vinoda	vinoda	vinoda	vinoda
6	T. Nagaraja Kumari	BSH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	M Umesh	Admin	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	D Ramani	Admin	Ramani	Ramani	Ramani	Ramani	Ramani
9	T Venu Madhav	BSH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	B. Koteswara Rao	BSH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	K. Yadagiri Reddy	Admin	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	A Chandra Sekhar	Admin	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	D Ramgurivi Reddy	Admin	Gur	Gur	Gur	Gur	Gur
14	D. Venkat Naidu	Admin	Venkel	Venkel	Venkel	Venkel	Venkel
15	S Jalandhar Reddy	Admin	S. Jany	S. Jany	S. Jany	S. Jany	S. Jany
16	Mr. E. Prashanth	BSH	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth
17	Mr. T. Rajesh	BSH	Raj	Raj	Raj	Raj	Raj
18	Mrs. K. Anitha	BSH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



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21	T. NagarajaKumari	BSH	T Nagaraja	T Nagaraja	T Nagaraja	T Nagaraja	T Nagaraja
22	Mr.Ch.Anjaiah	CSE	Ch Anjaiah	Ch Anjaiah	Ch Anjaiah	Ch Anjaiah	Ch Anjaiah
23	Mrs.P.ArunaSree	ECE	Aruna	Aruna	Aruna	Aruna	Aruna
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25	Mr.M.P.Edward	BSH	Edward	Edward	Edward	Edward	Edward
26	Mr.E.Prashanth	BSH	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth
27	Mr.B.Koteswara Rao	BSH	B Koteswara	B Koteswara	B Koteswara	B Koteswara	B Koteswara
28	Mrs.M.VeenaKumari	BSH	M Veena	M Veena	M Veena	M Veena	M Veena
29	Mr.S.Jalandhar Reddy	Admin	S Jalandhar	S Jalandhar	S Jalandhar	S Jalandhar	S Jalandhar
30	Mr.S.Sukumar	Admin	S Sukumar	S Sukumar	S Sukumar	S Sukumar	S Sukumar



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