

VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

BROCHURES and REPORT

OF

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

(2017-2018)




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 TS INDIA

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INDEX for A.Y 2017-18

S.No	Event / Programme Name	Page No.
1	Summary Sheet	3
2	Brochures	4-6
3	Reports	7



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Telangana State

ACADEMIC YEAR 2017-18

Sl. No	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)	No. of days
1	ONE WEEK FDP ON CHALLENGES AND OPPURTUNITIES IN 5G COMMUNICATION	18-12-2017 to 23-12-2017	One Week
2	ONE WEEK FDP ON BIG DATA ANALYTICS	08-01-2018 to 13-01-2018	One Week
3	A FIVE-DAY WORKSHOP ON MANAGEMENT OF FIRE EXTINGUISHERS	07-05-2018 to 11-05-2018	5 Days



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The Participants can submit the duly filled in registration form Original/Duplicate in the prescribed format from VMTW website.

Maximum no of Participants: 60

Facilities for Participants

Participants will be provided working lunch, tea/snacks along with the workshop kit.

Important Dates

Last Date for Receipts of Applications: 31st December 2017
Intimation of Acceptance (by email) 5th December 2017

Contact Details of Institute

9652910002
9652910003

Contact Details of Co-ordinator

Mr. K. Bharath Reddy,
Assistant Professor in CSE,
Department of CSE,
Contact: +91- 8985441753

Chief-Patrons

Dr. I. Rathalah, Chairman
Vignan Group of Institutions

Patrons

Mr. B. Shrawan, CEO
Vignan's Institute of Management & Technology for WOMEN

Dr. G. Apparao Naidu, Principal
Vignan's Institute of Management & Technology for WOMEN

Co-ordinator

Mr. K. Bharath Reddy,
Assistant Professor in CSE.

Organizing Committee

Mrs. V. Indrani	Assoc. Prof
Mrs. D. Swarupa	Assoc. Prof
Mrs. A. Amara Jyothi	Assoc. prof
Mr. Ravi Surarapu	Asst. Prof
Mr. Nagaraju Narapogu	Asst. Prof
Mrs. Veena Chengaram	Asst. Prof
Ms. Anusha Dugyala	Asst. Prof
Mr. Praveen Kumar Kovuri	Asst. Prof
Mr. Srajan Kumar Terala	Asst. Prof
Mrs. Prathima Pasupuleti	Asst. Prof
Mr. Vinay Bhushan Pillalamarri	Asst. Prof
Mr. Linga Murthy Endla	Asst. Prof
Mr. Jagadeeshwar Reddy	Asst. Prof
Mr. Nitesh Vengala	Asst. Prof

For Registration Contact

Mr. Mr. Nitesh Vengala, Asst. Prof., CSE Mobile: +91 8801179588

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VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(Affiliated to JNTUH, Hyderabad)
Kondapur, Medchal

ONE WEEK FDP

On

"Big Data Analytics"

08-01-2018 to 13-01-2018



Organized by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



About the Institution

Vignan's Institute of Management and Technology for Women is the brainchild of Dr. I. Rathalah, Chairman, Vignan Group of Institutions, was founded during August, in 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 faculty for MCA, MBA and M.Tech. With 5 different graduate and undergraduate programs (E.E., CSE, IT) 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. 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.

VISION

To empower female students with professional education using creative & innovative technical practices of global competence and research aptitude to become competitive engineers with ethical values and entrepreneurial skills.

MISSION

To impart value based professional education through creative and innovative teaching-learning process to face the global challenges of the new era technology.

To inculcate research aptitude and to bring out creativity in students by imparting engineering knowledge.

interpersonal skills to promote innovation, research and entrepreneurship.

About the Department

Department of Computer Science and Engineering was started since the inception of Vignan's Institute of Management and Technology for Women during 2008 with an initial intake of 60. The strength was enhanced to 120. The Department had added Post graduate programme in Software Engineering during 2013 with an intake of 18.

The Department is having a well-qualified and experienced faculty and state-of-art laboratories equipped with more than more than adequate advanced computing systems with continuously updated application software with 24x7, 50 MBPS internet facility.

About the FDP

Big Data Analytics is one of the rapidly growing domain that have been able to attract the interest of many researchers. Big data analytics is a form of advanced analytics, which involve complex applications with elements such as predictive models, statistical algorithms and what-if analysis powered by analytics systems.

Big Data Analytics is a topic that has been getting a lot of attention, mostly because of the fast growing of the Data. Among innovations today are setting foundations for incredible achievements such as Engineering, Medical and Economic research.

This FDP aims to explore the technical aspects, contemporary applications and research opportunities in Big Data Analytics and their applications in the field of Engineering. This FDP is serving to be great platform for faculty and Ph.D. level students to upgrade their knowledge in the area of Big Data Analytics and its applications.

The areas and field of research which are going to discuss by experts will be of great benefit for the participants as the topics match with the current working domain.

Participants will enlighten with the most widely used advance practices in this domain.

Course Objectives:

The objectives of this FDP is to progress the research community in the field of Information Technology and related areas with an opportunity for sharing their perception, presenting innovative applications, and projecting views on the Big Data Analytics.

This FDP aims at providing a forum for members of the research and academic community to interact on cutting-edge and ground breaking topics in Big Data Analytics some of its objectives. To promote and foster Big Data Science, Technology and Applications in the country and to develop core generic technologies, tools and algorithms for wider applications in IT and Government Organizations. To ensure faculty members are trained in the niche areas of big data analytics platforms, Hadoop, MapReduce, Relational Databases, Spark etc., machine learning techniques and its use in applications, NoSQL databases, and security and privacy issues in big data analytics. To impart the state of art knowledge of advances in

research, different tools and real time applications of big data. To strengthen specialized research areas of big data analytics.

Course Contents:

In the workshop the participants will acquire the following knowledge (Topics with detail)

- Big Data Fundamentals, Models and Frameworks
- Advanced Methods for Big Data Analytics
- Machine Learning Techniques
- Infrastructure for Big Data
- Big Data Management and Frameworks
- Role of Big Data in Design of Web-Recommendation Systems
- Cloud Based Big Data Analytics
- The Fog Data Analytics through Edge Clouds
- Advanced applications of Big Data Analytics
- Hands on sessions on Big Data Open Platforms
- Security/Privacy in the Era of Big Data, Privacy, Threats
- Privacy Preserving Big Data Publishing, Intrusion Detection

Course Outcomes:

At the end of this course, the students will able to

- The areas and field of research which are going to discuss by experts will be of great benefit for the participants as the topics match with the current working domain.
- Participants will enlighten with the most widely used advance practices in this domain.
- This in turn will help in research and will also enhance job placements in the market.

Participants Benefits:

Upon successful completion of the FDP, participants would be able to

- Deploying the Data Analytics Lifecycle to address big data Analytics projects.
- Reframing a business challenge as an analytics challenge.
- Applying appropriate analytic techniques and tools to analyse big data, create statistical models, and identify insights that can lead to actionable results.
- Selecting appropriate data visualizations to clearly communicate Analytic insights to business sponsors and analytic audiences.




Principal
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Telangana State

Registration Form

Name:

Date of Birth & Age:

Gender (M/F):

Qualifications:

A). Institution:

B). Affiliating University:

Address for Communication:

Phone No (1):

Phone No (2):

Office:

Email:

Resource Person:

Dr. Habibulla Khan,
Professor and Dean,
Department of ECE,
KL University.

Mr. N. Siddaiah,
Professor in CSE,
Associate Professor,
Department of ECE,
KL University.

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

Mr. B. Shravan,
CEO,
Vignan Group of Institutions

Patron:
Dr. P. Sudhakara Rao,
Principal, VMTW

Mrs. A. Narmada,
Associate Professor & HOD, ECE.

Co-ordinator:
Mr. E. Nagaraju,
Assistant Professor, ECE.

Faculty Co-ordinator:
Mr. E. Nagaraju,
Assistant Professor, ECE.
Contact: +91 9676943133

Last Date For Registration: 14th Dec, 2017

VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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



FACULTY DEVELOPMENT PROGRAM

"CHALLENGES AND OPPORTUNITIES IN 5G COMMUNICATION"

18TH TO 23RD DEC, 2017

Venue:
'A'-Block Seminar Hall,
VMTW.

Organized By:
**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

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.

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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.

About the Program:

5G network is the fifth-generation cellular network technology. It is more efficient compared to the first, second, third and fourth generation technology networks for they easily get congested with information and slow down the desired speed by the users. It suffices to say that the 5G network surmounts all the challenges faced by the networks before it since the beginning of the new millennium in 2000. The 5G technology has both its opportunities and attendant challenges. Artificial intelligence is the trending technology of the future. Machine learning is an application of Artificial intelligence that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. With the expansion of volumes and complexity of data AI and machine learning are used for its processing and analyzing. Industries apply AI and ML to improve performance and propel product development.

5G is the most popular Technology for AI and machine learning applied across industries. Python libraries provide a pre-written piece of code that help users to access, handle and transform data. Python's machine learning libraries and frameworks simplify the development process and reduce

development time. Python's simple syntax and readability promote rapid testing of complex algorithms and make the language accessible to non-programmers. Python is not only comfortable to use and easy to learn but also very versatile.

Challenges for 5G Network Implementation:

- Frequency band and Spectrum availability issues
- Approach for 5G network deployment
- Mobile devices at the user end need to be upgraded
- Managing expenses involved in 5G network deployment
- 5G network deployment challenges with security and privacy concerns

COURSE OBJECTIVES:

It is estimated that, 5G technology will considerably change the world around us by enabling a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices. But what exactly is 5G technology and how it works? How can this technology bring about a digital revolution? If a revolution is in the offing, is India ready for this wave of transformation? Also, what are the security challenges coupled with adoption of this technology and what is the connection between the recent Huawei case and 5G

BEFNEFITS:

5G technology presents India with an opportunity to become a leader in one of the omnipresent technologies of the future. India must embrace this opportunity by deploying 5G networks early, efficiently, and pervasively. Though there are several challenges from domestic deficiencies to geopolitical quagmires. But, India has often leapfrogged the curve in adoption of the latest telecommunications technologies like 4G in the past




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Qualifications:

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Address for Communication:

Phone No (1):

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Email:

Resource Person:
Mr. V. Shekar Reddy,
Station Fire Officer,
Cherlapally,
Hyderabad.

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Chairman,
Vignan Group of Institutions.

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

Patron:
Dr. P. Sudhakara Rao,
Principal, VMTW

Mrs. Indrani Vasireddy,
Associate Professor &
Head of the Department,
Department of CSE.

Co-ordinator:
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Last Date For Registration: 4th May, 2018

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A WORKSHOP ON "MANAGEMENT OF FIRE EXTINGUISHERS" 7TH TO 11TH MAY, 2018

Venue:
'A'-Block Seminar Hall,
VMTW.

Organized By:
**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING**

About the Institution:

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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 Engineering to meet the industry needs, encourage lifelong skills and strengthen research.

About the Program

The Importance Of Well Maintained Fire Extinguishers Well-maintained fire extinguishers are essential as they ensure you can rely on them in an emergency to tackle a small fire, reducing damage and risk to life. However, fire extinguishers are often forgotten about. With fire extinguishers of ten used to hold open doors or just generally abused, they can lead a hard life and this is why annual servicing by a competent person is vital. Playing an important role in firefighting, and essential for full compliance, fire extinguishers which are not properly maintained carry a risk that they will fail to operate when you need them most. This could be as a result of corrosion, damage or a loss of pressure. Poor maintenance and incorrect usage of fire extinguishers in the home are two key reasons small house fires can spread endangering lives and causing considerable damage to property. House fires can be brought under control within the first few minutes of ignition if attended to correctly with an extinguisher that is well maintained, which can buy valuable time before the Fire Services arrive.

Objectives:

The objective of the program is to give awareness on the fire safety and management of Fire extinguisher. The program is scheduled to discuss the following areas.

- Fire Classifications & Safe operating of fire extinguishers
- Handling fire extinguishers as first aid
- Locations of fire extinguisher
- How to use a portable fire extinguisher
- Practice handling fire extinguishers
- Fire Safety Resources.
- Types of Fire Extinguishers
- How to operate a fire extinguisher
- Extinguisher tips
- How to Select the Right Fire Extinguisher
- How to Properly Use and Maintain Different Types of Fire Extinguishers

Expected Outcomes:

After completion of the program all the participants would be getting sufficient knowledge on management of Fire extinguisher. The workshop is beneficial to all in emergency acts. Also they would be gaining a practical approach to handle various extinguishers as per the need

- Extinguisher tips
- WHICH EXTINGUISHER DO I USE
- Practice handling fire extinguishers.




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Report of Events Organized

1. Online FDP on “Big Data Analytics”

One Week FDP on “Big Data Analytics” conducted by Department of Computer Science and Engineering from 08-01-2018 to 13-01-2018. The resource persons for this programme are Dr. Uma Pavan Kumar, Professor from EAST WEST College of Engineering, Bengaluru and Dr. K. V. Krishna Kishore, Professor in CSE, VIFTR, Deemed University, Guntur. The resource persons have explained about Big data architectures and ecosystem Applications of big data, Probability and statistics using R/python, Data lake, Demonstration Kafka /Spark, Latest Big Data technologies on the Cloud platform, Demonstration of Data Analysis using IBM Watson, Big data applications and case studies Power Business Intelligence and Unbox tool for data scientists. Total 45 certificates were issued for this FDP.

2. Online FDP on “Challenges and Opportunities in 5G Communication”.

One Week FDP on “Challenges and opportunities in 5G Communication” conducted by Department of Electronics and Communication Engineering from 18-12-2017 to 23-12-2017. Dr. Habibulla Khan, Professor and Dean, Department of ECE, KL University, and Mr. N. Siddaiah, Associate Professor, Department of ECE, KL University, et.al were the resource person for this one week FDP session. The resource person has explained in detail about the 5G Technologies, its concepts. The same concepts practiced with real time problems using Matlab. Total 51 certificates were issued for this FDP.

3. “A Five Day Workshop on Management Of Fire Extinguishers”.

Department of Computer Science & Engineering has conducted FDP on –“Management of Fire Extinguisher”, during 07-05-2018 to 11-05-2018 for Non – Teaching Faculty. Fire equals a state, process, or instance of combustion in which fuel or other material is ignited and combined with oxygen, giving off light, heat, and flame. Fire requires fuel, heat and oxygen to burn. Fire extinguishers apply an agent that will cool burning heat, smother fuel or remove oxygen so the fire cannot continue to burn. A portable fire extinguisher can quickly control a small fire if applied by an individual properly trained. Total 24 certificates were issued for this workshop.




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