

**Organizing Committee Members**

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Principal

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Asst. Professor & Head  
Department of S&H

**CO-ORDINATOR**  
**Mrs. P. DIVYA JYOTHI**  
Assistant Professor,  
Department of S&H

**A One week Faculty Development Programme  
On**

**"CURRENT TRENDS IN  
NANOMATERIALS AND ITS  
APPLICATION"**

**13/03/2023 to 18/03/2023**  
Registration Form

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Other**

**Signature of Participant**

**Registration Fee:Rs.500/-**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

**Anithakodali1984 @gmail.com**

**Spot Registrations are also allowed.**

**A Five Day  
Faculty Development Program**

**ON**

**CURRENT TRENDS IN  
NANOMATERIALS AND ITS  
APPLICATION**

**Organized by  
Department of Science & Humanities**

**13/03/2023 to 18/03/2023**



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

**An ISO 9001:2015 Certified Institution,  
Affiliated to JNTU, Kakinada,  
Enikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
www.vitw.edu.in**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT S&H DEPARTMENT


The Department of Science and Humanities is a primal department which consists of Chemistry, Physics, Mathematics and English disciplines. All the disciplines in the department exist as a separate division and maintain their identities. The varied disciplines provide the students with the knowledge of Mathematics, Physics, Chemistry, English and Environmental Science fundamentals. Developing moral behaviour among the students, utilizing human resources and coordinating academic responsibilities are exclusive potentials of the department. The department accomplishes transforming young aspiring minds into determined freshman engineers through Outcome Based Education. Besides, the department teaches students a positive ethos through Value-Based Education.

## ABOUT THE FDP:

Chemistry is highly interdisciplinary and is filled with hidden and enhanced opportunities when allied with other relevant fields. The field of nanotechnology is expected as a future technology that could provide exciting challenges and prospects for researchers. This programme aims to enable researchers to develop and apply nanomaterials in their respective fields. This will be useful for the researchers interested in diversifying area and also for strengthening their work with new applications.

## OBJECTIVES OF FDP:

- To refresh the fundamentals of Nanoscience
- To familiarize advanced fabrication and properties of nanomaterials
- To introduce various characterization tools for analysis of nanomaterials
- Introduction of various applications of nanomaterials

  
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ENIKEPADU, VIJAYAWADA-521 108.

## SCHEDULE:

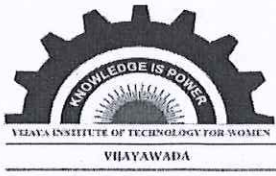
13-03-2023	Chemistry and Technology of nanomaterials <b>Resource person:</b> <b>Dr. M. Usha rani</b>
14-03-2023	Nano catalysts for environmental applications <b>Resource person:</b> <b>Dr. T. Anusha</b>
15-03-2023	Futuristic carbon nanomaterials for light-absorbing applications <b>Resource person:</b> <b>Dr. K. Bhavani</b>
16-03-2023	Role of nanomaterial in electrochemical energy storage devices. <b>Resource person:</b> <b>Dr. D. Bala</b>
17-03-2023	Polymer nanocomposites for food packaging and drug delivery applications, <b>Resource person:</b> <b>Mrs. Ch. Sri Shanti</b>
18-03-2023	Green hydrogen - fuel of the future <b>Resource person:</b> <b>Mrs. P. Naga Lakshmi</b>

## FOR FURTHER DETAILS:

**Mrs. G. Anitha**  
HOD of S&H  
8143507737  
Anithakodali1984  
@gmail.com

**Mrs. P. Divya Jyothi**  
Asst.Professor  
9492014190  
divyaanjali14@gmail.  
com





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

Date: 19<sup>th</sup>, March 2023

**Program Name:** One Week Faculty Development Programme on ‘‘Current Trends in Nanomaterials and Its Application’’

**Period:** 13-03-2023 to 18-03-2023

**Resource Persons:**

1. **Dr. K. Sai Bhavani**, Assistant professor, ALC, Vijayawada, **Phone Number:** 9030134647, **Mail. ID:** [saibhavani.06k@gmail.com](mailto:saibhavani.06k@gmail.com).
2. **Dr. T. Anusha**, Assistant professor, NEC, Narasaraopeta, **Phone Number:** 8919171806, **Mail. ID:** [tummalaanushachowdary@gmail.com](mailto:tummalaanushachowdary@gmail.com).
3. **Dr. D. Bala**, Assistant professor, ALC, Vijayawada, **Phone Number:** 7036440831, **Mail. ID:** [bala.anu163@gmail.com](mailto:bala.anu163@gmail.com).
4. **Dr. M. Usha Rani**, Assistant professor, ALC, Vijayawada, **Phone Number:** 7997925025, **Mail. ID:** [usharani.lourdu@gmail.com](mailto:usharani.lourdu@gmail.com).
5. **Mrs. Ch. Sri Santi**, Assistant professor, TKRCET, Hyderabad, **Phone Number:** 9866336212, **Mail. ID:** [srisanthi.chitta@gmail.com](mailto:srisanthi.chitta@gmail.com).
6. **Mrs. P. Naga Lakshmi**, Research scholar, KLEF, Vijayawada, **Phone Number:** 9000035685, **Mail. ID:** [pennadanagalakshmi@gmail.com](mailto:pennadanagalakshmi@gmail.com).

**Number of participants: 33**

**Program objective:** The field of Nanotechnology is expected to be a future technology that will provide exciting challenges and prospects for researchers. This Programme aims to enable researchers to develop and apply nanomaterials in their respective fields. This will be useful for the researchers interested in gain knowledge diversifying areas and also for strengthening their work with new applications.



**Topics Covered:**

- Chemistry and Technology of nanomaterials,
- Nano catalysts for environmental applications,
- Futuristic carbon nanomaterials for light-absorbing applications,
- Role of nanomaterials in electrochemical energy storage devices,
- Green hydrogen - fuel of the future,
- Polymer nanocomposites for food packaging and drug delivery applications,

**Program outcome:** This during the program motivated and impressed the faculty. In this programme 33 faculty members are participated. They gained knowledge in fields like Nano material and its applications, energy storage device, and Green hydrogen fuel of the future.

  
Coordinator

  
HoD

  
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TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 128



## ORGANIZING COMMITTEE MEMBERS:

**CHIEF PATRON**

**Sri B.S.APPARAO**

Chairman, SRK Foundation

**PATRON**

**Sri B.S.KRISHNA**

Secretary, SRK Foundation

**CONVENER**

**Dr G.CHENCHAMMA**

Principal

**CO-CONVENER**

**Mrs. Y.VIJAYA**

Head of the Department  
Information Technology

**FDP CO-ORDINATOR**

**Mr. CH.V.RAO**

Assistant Professor  
Department of Information Technology

## How to Apply:

The participants can fill-up the Registration form and send the scanned copy to the email.id:

[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- ✓ Spot Registrations are also allowed on 06<sup>th</sup> Feb 2023 before 9:00 am

*Co-Chair*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108

## REGISTRATION FORM

A One-Week Faculty Development Program  
On

**MongoDB and No SQL Databases**

Will be held from

06<sup>th</sup> Feb 2023 to 11<sup>th</sup> Feb 2023

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

Signature of the Participant

A  
One-Week

Faculty Development Program  
On

**MongoDB and No SQL  
Databases**

Will be held from

06<sup>th</sup> Feb 2023 to 11<sup>th</sup> Feb 2023

In collaboration with



Is being organized by

Department of  
Information Technology



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

Affiliated JNTU Kakinada

Enikepadu, Vijayawada-521 108

Andhra Pradesh, INDIA

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## ABOUT THE COLLEGE:

The College VITW was founded by Sri Boyapati AppaRao garu in 2008, with the objective of providing excellent learning facility for women to pursue education in Engineering. VITW is affiliated to JNTUK, approved by AICTE, certified by ISO 9001:2015. VITW is only women's engineering college in the heart of Vijayawada city offering engineering undergraduate courses in CSE, ECE, IT and AI&ML, Master in business administration and diploma engineering courses in DCME, DECE, DEEE. VITW has made its presence felt more with academic, discipline, results and the achievements of its students.

## DEPARTMENT OF INFORMATION TECHNOLOGY:

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programmed in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology.

## ABOUT NIPUNA TECHNOLOGIES:

Nipuna Technologies the best Software Training Institute in Guntur is dedicated to providing you an exceptional quality of education to help you thrive in the IT industry. We equip learners both technically and professionally, allowing them to learn and grow. We at Nipuna Technologies are dedicated to giving you the confidence and skill to land your dream role. Our objective is not just improving your skills but also helping you monetize them with placement opportunities. Increase your chances of getting a job by taking advantage of placement-oriented software training at Nipuna Technologies. We offer a diverse set of job-oriented courses while providing students with world-class training from working professionals and live projects.

## ABOUT THE PROGRAM:

MongoDB is an open source NoSQL database management program. NoSQL (Not only SQL) is used as an alternative to traditional relational databases. NoSQL databases are quite useful for working with large sets of distributed data. MongoDB is a tool that can manage document-oriented information, store or retrieve information. MongoDB is used for high-volume data storage, helping organizations store large amounts of data while still performing rapidly. Organizations also use MongoDB for its ad-hoc queries, indexing, load balancing, aggregation, server-side JavaScript execution and other features. Instead of using tables and rows as in relational databases, as a NoSQL database, the MongoDB architecture is made up of collections and documents. Documents are made up of key-value pairs MongoDB's basic unit of data. Collections, the equivalent of SQL tables, contain document sets. MongoDB offers support for many programming languages, such as C, C++, C#, Go, Java, Python, Ruby and Swift.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel.

## FOR MORE DETAILS CONTACT:

### Mr. CH.V.Rao

Assistant Professor, Department of IT  
Contact Number: 9032168338  
Email.ID: [chvro89@gmail.com](mailto:chvro89@gmail.com)

### Mrs. SWARNA RAMYA

Assistant Professor, Department of IT  
Contact Number: 7780252749  
Email.ID: [ramyaswarnaa6@gmail.com](mailto:ramyaswarnaa6@gmail.com)

## COURSE SCHEDULE:

DATE	TOPICS
06-02-2023	<ul style="list-style-type: none"><li>• Introduction to MongoDB No SQL Databases</li></ul>
07-02-2023	<ul style="list-style-type: none"><li>• MongoDB in MEAN Stack</li><li>• MongoDB - CRUD</li></ul>
08-02-2023	<ul style="list-style-type: none"><li>• MongoDB No SQL Database Connection</li><li>• Angular Front-end</li></ul>
09-02-2023	<ul style="list-style-type: none"><li>• Adding Node &amp; Express</li><li>• Working with MongoDB</li></ul>
10-02-2023	<ul style="list-style-type: none"><li>• Image Upload</li><li>• Pagination</li></ul>
11-02-2023	<ul style="list-style-type: none"><li>• Authorization</li><li>• Handling Errors</li></ul>

## RESOURCE PERSON:

### Sri. Syed Zaheer

Project Engineer,  
Nipuna Technology

## NOTE:

- Registration free ₹ 400/-.
- Interested Persons are requested to register for the program on or before 05<sup>th</sup> Feb 2023.
- Attendance and feedback are mandatory to get a certificate.





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College Code: NP, Enikepadu, Vijayawada-521108

Date: 13<sup>th</sup> February 2023

### A one week Faculty Development Program report on “MongoDB and No SQL Databases”

#### Objectives:

- To educate academic members about NoSQL databases, MongoDB, and their numerous uses and technology.
- Describe the goals of MongoDB and NoSQL databases are to solve the difficulties of managing vast amounts of varied, dynamic data in a scalable, adaptable way.

#### Description:

A one-week faculty development session on "MongoDB and No SQL Databases" was arranged by the Department of Information Technology from 6th February 2023 to 11<sup>th</sup> February 2023. Throughout the program, the participants encountered an extremely helpful academic environment. Assistant Professor Ch.V. Rao of the Department of Information Technology greeted the dignitaries. Mrs. Y. Vijaya, the department head, gave the FDP keynote talk. Dr. G. Chenchamma, the principal, then gave a program introduction.

#### Resource Person:

**Sri. Syed Zaheer**  
Project Engineer,  
Nipuna Technologies, Guntur.

#### FDP Coordinator:

**Mr. CH.V.Rao**  
Assistant professor,  
Department of Information Technology

#### Topics Covered during the program:

##### Day1: Introduction to MongoDB and no SQL Databases

Introduction to MongoDB and No SQL Databases is used as an alternative to traditional relational databases. No SQL Databases are quite useful for working with large sets of distributed data.





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### Day2: MongoDB in MEAN Stack and MongoDB – CRUD

Mean Stack is a JavaScript-based framework for developing web applications. CRUD is the basic method of interacting with MongoDB server. CRUD stands for Create, Read, Update, and Delete.

### Day3: MongoDB No SQL Database Connection and Angular Front-end

We would have our Angular app and our MongoDB Database on a server. We would directly send queries to the database from our Angular app and surpass our node express application.

### Day4: Adding Note & Express and Working with MongoDB

We can use the \$comment with any expression taking a query predicate, such as query predicate in DB collection. Mongo express is an interactive light weight web-based administrative tool to effectively manage MongoDB databases. We can work with unstructured data with MongoDB.

### Day5: Image Upload and Pagination

We need to create a Schema with Mongoose to upload image. Pagination in MongoDB is achieved using two methods limit() and skip().

### Day6: Authorization and Handling Errors

Authorization is a vital information security process that administrators used to protect systems and information authorization determines their access rights. Error can be handled by recursively calling function in error handling blocks.

### Outcomes:

The FDP program enriched the knowledge of faculty over MongoDB and No SQL Databases, in future MongoDB and NoSQL Databases plays a pivotal role in the Information technology industry. MongoDB is a popular NoSQL database that is designed to handle large volumes of unstructured or semi-structured data.

The program highlighted how to store data in Database and how to retrieve data from database without using Structure Query language. It also highlighted the major NoSQL databases including key-value, document, column family, and graph. The focus of this program is on MongoDB, a NoSQL database system. Learners will be taught how to set up a database and start exploring different ways to search, create applications to analyze and visualize data with MongoDB. All the participants who have attended the program gained rich insights into the topics.

  
COORDINATOR

  
HoD

  
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ENIKEPADU, VIJAYAWADA-521, 108



**Organizing Committee Members**

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**Sri. B. S. APPA RAO**  
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**Sri. B. SRI KRISHNA**  
Secretary,  
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**CONVENER**  
**Dr. G. CHENCHAMMA**  
Principal

**CO -CONVENER**  
**Dr.K. MURALI**  
Assoc. Professor & Head  
Department of AIML

**CO-ORDINATOR**  
**Mr. P. JASHUVA**  
Assistant Professor,  
Department of AIML

**A 5 Days Faculty Development Programme  
On**

**“HEALTH CARE & BIO-MEDICAL  
DATA PROCESSING USING AI”**

02/01/2023 to 06/01/2023

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

*Registration Fee:500*

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

***vitw.aimldept@gmail.com***

*Spot Registrations are also allowed.*

**A 5 Days  
Faculty Development Programme**

ON

**“HEALTH CARE & BIO-MEDICAL  
DATA PROCESSING USING AI”**

**Organized by  
Department of AIML**

02/01/2023 to 06/01/2023



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**G-Chm**  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521,108**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, DS, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college, It's a college with a difference.

## ABOUT AIML DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2020 with B.Tech programme in Artificial Intelligence & Machine Learning. The objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face challenges of the industry & Academia.

## ABOUT FDP:

The huge medical data is processed effectively by using various analytical tools, thereby arriving at deeper insights into the data. The existing systems employ algorithms like artificial neural networks, logistic regression, and fuzzy based algorithms.

Data analytics in healthcare helps doctors predict patients' medical interventions and treatments based on their age, medical history, and possible scenarios and outcomes of medication.

## OBJECTIVES OF FDP:

The objectives of health systems are: Improving the health of the population they serve. Responding to people's expectations. Providing financial protection against the costs of ill-health.

AI in health care can enhance preventive care and quality of life, produce more accurate diagnoses and treatment plans, and lead to better patient outcomes overall. AI can also predict and track the spread of infectious diseases by analysing data from a government, healthcare, and other sources structure.

*G-chm*

## SCHEDULE:

	<b>TOPIC:</b> Introduction to Health Care data processing using AI, Deep Learning for Health Care & Bio-Medical Data Processing, Bio-Medical image processing data using AI, Brief Discussion about Bio-Medical data processing .
02/01/2023	TO
04/01/2023	
	<b>Resource person:</b> <b>Dr . B . PRABHU KAVIN</b>

	<b>TOPIC:</b> Brief Discussion about Bio-Medical data processing using AI , Disclosures of Health Care & Bio-Medical Data Processing
05/01/2023	TO
06/01/2023	
	<b>Resource person:</b> <b>Dr . C . GOKULNATH</b>

## FOR FURTHER DETAILS:

**Dr. K. MURALI**  
Assoc. Professor & Head  
Department of AIML  
9966682535  
kalipindimurali@gmail.com

**Mr. P. JASHUVA**  
Assistant Professor,  
Department of AIML  
8317627638  
jashuvapsrj@gmail.com





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College Code: NP, Enikepadu, Vijayawada-521108

## REPORT ON

### A ONE WEEK FDP ON

#### “ HEALTH CARE & BIO-MEDICAL DATA PROCESSING USING AI ”

A One week FDP was organized in VITW from 02<sup>nd</sup> to 06<sup>th</sup> January 2023 by the Department of AIML . The FDP received an overwhelming response with 40 faculty members and students.

**RESOURCE PERSON :** Resource persons for this programme will be the experts from industry and Academia both.

**Dr . B. PRABHU KAVIN**, Assistant Professor, Department Of Data Science & Business Systems, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu..

**Dr . C . GOKULNATH** , Assistant Professor, Department Of Computational Intelligence, SRM Institute of Science and Technology, Kattankulathur ,Chengalpattu.

#### INAUGURAL OF THE PRORAMME:

The FDP started with an inaugural session on 02<sup>nd</sup> January 2022, in the presence of resource person **Dr . B. PRABHU KAVIN**, Assistant Professor, Department Of Data Science & Business Systems, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu, **Dr. G. CHENCHAMMA**, Principal of VITW, **Dr. K.MURALI** , HOD, Department of AIML, and other faculty members.

The session began with welcome address by **Mr.P.Jashuva** , Assistant Professor, Department of AIML, VITW, who has also discussed the rationale of the FDP and its key components.

The Principal Madam, **Dr.G. CHENCHAMMA** presented the key points of the programme.

**Dr. K.MURALI** , HOD, Department of AIML addressed the audience with his words of wisdom.





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### OBJECTIVES OF THE EVENT:

- The primary aim of health-related AI applications is to analyse relationships between clinical data and patient outcomes.
- AI programs are applied to practices such as diagnostics, treatment protocol development, drug development, personalized medicine, and patient monitoring and care.
- AI in healthcare can enhance preventive care and quality of life, produce more accurate diagnoses and treatment plans, and lead to better patient outcomes overall.
- AI can also predict and track the spread of infectious diseases by analysing data from a government, healthcare, and other sources.

### FOR WHOM:

The FDP is open for students, Faculty and Entrepreneurs who have an interest in understanding the concepts of Health Care & Bio-Medical Analysis. At every Phase of life, This helps human experts focus on more critical tasks at health care related topics and bio-medical analysis concepts.

### PEDAGOGY:

The FDP is a mixture of lecture, case studies and sharing of experiences between participants and resource persons.

### KEY BENEFITS:

After attending this FDP, the participants will be able to understand the challenges, prospects, issues, concerns of Health Care & Bio-Medical analysis related concepts and managing very well in real life.

At the end of the last day session, it was heartening to receive positive feedback from participants who applauded the FDP.


### VALEDICTORY SESSION:


A Valedictory session was held to mark the 5 days journey of the FDP on “HEALTH CARE & BIO-MEDICAL DATA PROCESSING USING AI” on 02<sup>nd</sup> January 2023. It was attended by the Principal, HOD’s and other staff members from other departments.

The session was started with a welcome address by Mr.P.Jashuva, Assistant Professor, Department of AIML, VITW, pointed out the importance of Health Care & Bio- Medical Analysis

The session ended with a **Vote of Thanks** by Dr.K. Murali, HOD, Department of AIML, VITW with a hope that participants will use this knowledge and information in innovations..

  
COORDINATOR

  
PRINCIPAL  
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HoD



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**Sri. B. S. APPA RAO**  
Chairman,  
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**PATRON**  
**Sri. B. SRI KRISHNA**  
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Assoc. Professor & Head  
Department of AIML

**CO-ORDINATOR**  
**Mr. P. JASHUVA**  
Assistant Professor,  
Dept of AIML

**A One Week Faculty Development Programme  
On**

**“MEDICAL IMAGE ANALYSIS USING  
PYTHON ”**

**24/10/2022 to 29/10/2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee: Rs-400**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

**[vitw.aimldept@gmail.com](mailto:vitw.aimldept@gmail.com)**

**Spot Registrations are also allowed.**

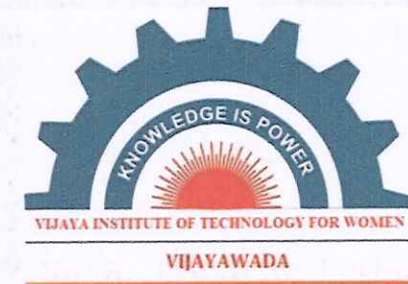
**A One Week  
Faculty Development Programme**

**ON**

**“ MEDICAL IMAGE ANALYSIS  
USING PYTHON ”**

**Organized by  
Department of AIML**

**24/10/2022 to 29/10/2022**



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

**An ISO 9001:2015 Certified Institution,  
Affiliated to JNTU, Kakinada,  
Enikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
[www.vitw.edu.in](http://www.vitw.edu.in)**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, DS, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college, It's a college with a difference.

## ABOUT AIML DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2020 with B.Tech programme in Artificial Intelligence & Machine Learning . The objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face challenges of the industry & Academia.

## ABOUT THE FDP :

Medical image analysis is the process of extracting meaningful information from medical images, often using computational methods. Some of the tasks for medical image analysis are visualization and exploration of 2D images and 3D volumes, segmentation, classification, registration, and 3D reconstruction of image data.

## OBJECTIVES OF FDP:

The primary objective of medical image analysis is to improve the efficacy of clinical research and treatment options.

The role of segmentation is to subdivide the objects in an image; in case of medical image segmentation the aim is to: Study anatomical structure. Identify Region of Interest i.e. locate tumor, lesion and other abnormalities. Medical image processing is a subset of image processing, so one sees three main objectives: Better image capture (Image capturing equipment (MRI, X-ray, ultrasound, etc), noise removal during capture, enhanced resolution or contrast, image compression, data bases, etc.)



## SCHEDULE:

24/10/2022 TO 6/10/2022	TOPIC: Introduction to Medical Image Analysis, Brain Tumor Detection & Analysis using Python, Goals & Purpose, Types of Medical Imagery. <b>Resource person:</b> <b>Dr.S.JEEVA</b>
-------------------------------	--

27/10/2022 TO 29/10/2022	TOPIC: Introduction to Imaging Techniques Image Segmentation & Ant Colony optimization concept, Medical Image Processing System & Tumor imaging. <b>Resource person:</b> <b>Mrs. P. NAGA LAKSHMI</b>
--------------------------------	--

## FOR FURTHER DETAILS:

**Dr.K.MURALI**  
Assoc. Professor & Head  
Department of AIML  
9966682535  
kalipindimurali@gmail.com

**Mr. P. JASHUVA**  
Assistant Professor,  
Department of AIML  
8317627638  
jashuvapsrj@gmail.com





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

## REPORT ON A ONE WEEK FDP ON “ MEDICAL IMAGE ANALYSIS USING PYTHON ”

A One week FDP was organized in VITW from 24<sup>th</sup> to 29<sup>th</sup> Oct 2022 by the Dept of AIML . The FDP received an overwhelming response with 80 faculty members and students.

**RESOURCE PERSON :** Resource persons for this programme will be the experts from industry and Academia both.

**Dr . S . JEEVA** , Assistant Professor, Department Of ISE, Jain University-Global Campus, Bangalore.

**Dr . G . SIVASHANKAR** , Assistant Professor, Department Of Computational Intelligence, SRM Institute of Science and Technology, Kattankulathur ,Chengalpattu.

### INAUGURAL OF THE PRORAMME:

The FDP started with an inaugural session on 24<sup>th</sup> Oct 2022, in the presence of resource person **Dr . S . JEEVA**, Assistant Professor, Department Of ISE,Jain University-Global Campus, Bangalore , **Dr. G. CHENCHAMMA**, Principal of VITW **Dr. K.MURALI** , HOD, Department of AIML, and other faculty members.

The session began with welcome address by **Mr.P.Jashuva** , Assistant Professor, Department of AIML, VITW, who has also discussed the rationale of the FDP and its key components,

The Principal Madam, **Dr.G. CHENCHAMMA** presented the key points of the programme.

**Dr. K.MURALI** , HOD, Dept of AIML addressed the audience with his words of wisdom.





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College Code: NP, Enikepadu, Vijayawada-521108

## OBJECTIVES OF THE EVENT:

- The primary objective of medical image analysis is to improve the efficacy of clinical research and treatment options.
- Deep learning has revamped medical image analysis, yielding excellent results in image processing tasks such as registration, segmentation, feature extraction, and classification.
- Medical image processing is a subset of image processing.
- So one sees three main objectives: Better image capture (Image capturing equipment (MRI, X-ray, ultrasound, etc), noise removal during capture, enhanced resolution or contrast, image compression, data bases, etc.)

## FOR WHOM:

The FDP is open for students, Faculty and Entrepreneurs who have an interest in understanding the concept of Medical Image Analysis. At every Phase of life, This helps human experts focus on more critical tasks and medical image analysis topics.

## PEDAGOGY:

The FDP is a mixture of lecture, case studies and sharing of experiences between participants and resource persons.

## KEY BENEFITS:

After attending this FDP, the participants will be able to understand the challenges, prospects, issues, concerns of Medical image related concepts and managing very well in real life.

At the end of the last day session, it was heartening to receive positive feedback from participants who applauded the FDP.


## VALEDICTORY SESSION:

A Valedictory session was held to mark the one week journey of the FDP on “**MEDICAL IMAGE ANALYSIS USING PYTHON**” on 24<sup>th</sup> October 2022. It was attended by the Principal, HoD's and other staff members from other departments.

The session was started with a welcome address by Mr.P.Jashuva, Asst Prof, Dept of AIML, VITW, pointed out the importance of Medical Image Analysis.

The session ended with a **Vote of Thanks** by Dr.K. Murali, HOD, Dept of AIML, VITW with a hope that participants will use this knowledge and information in innovations..

  
COORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521, 108

  
HoD



**Organizing Committee Members**

**CHIEF PATRON**  
**Sri B. S. Appa Rao**  
Chairman,  
SRK Foundation

**PATRON**  
**Sri. B. Sri Krishna**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. G. Chenchamma**  
Principal

**CO-CONVENER**  
**Dr.A.C.P.Ranjani**  
Professor & Head,  
Department of CSE

**CO-ORDINATOR**  
**Ms.P.Madhavi,**  
Asst. Professor,  
Department of CSE

  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
ENIKEPADU, VIJAYAWADA-521 108.

**A One Week Faculty Development Program**

**On**

**“Python Full Stack Development”**

**22-08-2022 to 27-08-2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----

State: -----

Mobile Number -----

E-mail: -----

Category: Academic/Industry/Others

Scan for Registration



Signature of Participant



Scan to Pay  
Registration Fee

**Registration Fee Rs: 300/- Only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the e- mail-id: **pappulamadhavi06@gmail.com**

**Spot Registrations are also allowed.**

**A One Week  
Faculty Development Program**

**On**

**"PYTHON FULL STACK DEVELOPMENT"**

**Organized**

**By**

**Department of Computer Science and  
Engineering**

**In association  
with**

**Brain O Vision**



**22-08-2022 to 27-08-2022**



**VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN**

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## ABOUT THE COLLEGE

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## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

The objectives of a Python and full stack development program typically focus on providing faculty or learners with the knowledge and skills necessary to become proficient in Python programming and develop expertise in full stack web development. These programs can vary in scope and depth, but here are some common objectives

### Understanding Python

Gain a comprehensive understanding of the Python programming language, including its syntax, data structures, and core libraries.

Explore Python's applications in various domains such as web development, data analysis, and machine learning.

### Full-Stack Development

Learn the fundamentals of full-stack development, which includes both front-end and back-end technologies.

Understand how to create a cohesive and interactive web application by integrating various technologies and components.

### Teaching and Curriculum Development

Develop the skills to design and deliver effective curriculum for Python and full-stack development courses. Learn strategies to create and engage learning materials and assessments.

## SCHEDULE

	Introduction of web development
22-08-2022	<b>Resource person:</b> <b>Mr. B. Vijay Kumar</b>
	Front end web development
23-08-2022	<b>Resource person:</b> <b>Mr. B. Vijay Kumar</b>
	Front end web development
24-08-2022	<b>Resource person:</b> <b>Mr. B. Vijay Kumar</b>
	Python with Django
25-08-2022	<b>Resource person:</b> <b>Mr. B. Vijay Kumar</b>
	Python Virtual Environment setup
26-08-2022	<b>Resource person:</b> <b>Mr. B. Vijay Kumar</b>
	Python Virtual Environment creation
27-08-2022	<b>Resource person:</b> <b>Mr. B. Vijay Kumar</b>

## FOR FURTHER DETAILS :

**Dr.A.C.P.Ranjani**

**HoD, CSE.**

**Number:** 9848504927

**Mail ID:** [acpranjani@gmail.com](mailto:acpranjani@gmail.com)

**Ms.P.Madhavi,**

**Asst.professor, Department of CSE**

**Phone Number:** 7981989226

**Mail ID:** [pappulamadhavi06@gmail.com](mailto:pappulamadhavi06@gmail.com)





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Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

## PROGRAM REPORT

Date: 30-08-2022

TYPE OF THE EVENT	: "PYTHON FULL STACDEVELOPMENT"
START DATE	: 22-08-2022
END DATE	: 27-08-2022
RESOURCE PERSON	: Mr. B. Vijay Kumar
NAME OF THE COORDINATOR	: Ms. P. Madhavi
NUMBER OF PARTICIPANTS	:26
PLATFORM / SOURCE	: Online

### OBJECTIVE OF THE EVENT :

The objective of the program is to enhance teaching methodologies in conveying complex concepts of full-stack development effectively and to facilitate hands-on experience in full-stack development Of faculty members.

### OUTCOME OF THE EVENT :

1. Increased ability to integrate modern technologies and frameworks into the curriculum.
2. Development of strategies to adapt and evolve teaching methods according to the rapidly changing landscape of full-stack development.
3. Cultivation of a network among faculty members , fostering ongoing collaboration and sharing of the best practices.





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College Code: NP, Enikepadu, Vijayawada-521108

## REPORT

The Department of Computer Science and Engineering has conducted a one-week online faculty development program on “**PYTHON FULL STACK DEVELOPMENT**” in association with **BRAIN O VISION** from 22-08-2022 to 27-08-2022. The program was aimed to enhance the skills and knowledge of faculty by focusing on teaching, research and technology trends. This program was commenced by prominent personalities on 22-08-2022 :

- 1.Mr.B.Vijay Kumar, Brain O Vision.
- 2.Dr.A.C.P.Ranjani, HOD of CSE dept , Vijaya institute of technology for women.
- 3.Dr.G.Chenchamma, Principal of Vijaya institute of technology for women.

Ms. P. Madhavi , Coordinator of the FDP embraced all the notables and participants followed by the introduction of the resource person by Dr. ACP. Ranjani , HOD, CSE. Honorable resource person emphasized on importance and objectives of FDP on “**PYTHON FULLSTACK DEVELOPMENT**”.

He addressed about Python’s Versatility and extensive library support and introduced the fundamentals of the python like data types , object-oriented programming. The further session was continued with the interpretation of the front end development and back end development and demonstrated the significance of python to faculty and nurtured them to propagate the knowledge to their students.

Python fullstack development commonly involves database technologies like PostgreSQL , MySQL , SQLite or NoSQL databases like MongoDB which integrate with python frameworks for data storage and retrieval. Tools like Git are essential for version control, allowing developers to track changes , collaborate , and manage code effectively. Technologies such as PyTest, Selenium and CI/CD tools like Jenkins or GitLab CI/CD are used for testing , automation and continuous integration or continuous deployment in full stack python development. These technologies enable the creation of comprehensive web applications.

Python’s future in full stack development looks promising with the rise of AI,ML and Data Science applications , Python’s versatility in handling both back-end and data centric tasks could make it even more relevant. Python is likely to continue expanding its influence in full stack domain possibly with more integrations , better performance and enhanced frameworks to facilitate easier full stack development.

  
CO-ORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108

  
HoD



**Organizing Committee Members**

**CHIEF PATRON**  
**Sri B. S. APPA RAO**  
Chairman,  
SRK Foundation

**PATRON**  
**Sri. B. SRI KRISHNA**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. CH. CHENCHAMMA**  
Principal

**CO -CONVENER**  
**Dr. V. RAGHAVA LAKSHMI**  
Vice Principal & Head  
Department of S&H

**CO-ORDINATOR**  
**Mrs. Y. SRILAKSHMI**  
Assistant Professor,  
Department of S&H

**A One week Faculty Development Programme  
On**

**"EXPLORING INNOVATIONS IN  
APPLICATIONS OF MATHEMATICS"**

**08/08/2022 to 13/08/2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee: Rs.500/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

**[yalamanchilli.srilakshmi@gmail.com](mailto:yalamanchilli.srilakshmi@gmail.com)**

**Spot Registrations are also allowed.**

**G. Chm**  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521 108.**

**A Five Day  
Faculty Development Program**

**ON**

**EXPLORING INNOVATIONS IN  
APPLICATIONS OF MATHEMATICS**

**Organized by  
Department of Science & Humanities**

**08/08/2022 to 13/08/2022**



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## ABOUT S&H DEPARTMENT

The Department of Science and Humanities is a primal department which consists of Chemistry, Physics, Mathematics and English disciplines. All the disciplines in the department exist as a separate division and maintain their identities. The varied disciplines provide the students with the knowledge of Mathematics, Physics, Chemistry, English and Environmental Science fundamentals. Developing moral behaviour among the students, utilizing human resources and coordinating academic responsibilities are exclusive potentials of the department. The department accomplishes transforming young aspiring minds into determined freshman engineers through Outcome Based Education. Besides, the department teaches students a positive ethos through Value-Based Education.

## ABOUT THE FDP:

Engineering Mathematics is one of the challenging subjects for the Engineering students in building up the conceptual learning of the applications of Mathematics to their core engineering Field. This program not only focuses on bridging gaps on pre Engineering Mathematics but also reflects on the applications of Mathematics in the core engineering branches that has a wide potential for research in the areas of Engineering and Mathematics. Immerse yourself in the world of Differential Equations and Laplace Transforms and gain valuable insights into their applications through this enriching one-week offline Faculty Development Programme, centered on the theme of "Exploring Innovations in Applications of Mathematics".

## OBJECTIVES OF FDP:

The FDP aims at addressing the recent developments in the area of Mathematics, allied and applied areas of mathematics including statistics. At the end of the FDP, the participants would able to

1. Understand the recent developments in Mathematical sciences
2. Understand the applications of Mathematics in real world engineering applications of Industries.
3. Develop a conceptual approach of teaching mathematics.
4. Identify the areas of current and ongoing research in Mathematics/Statistics areas.

## SCHEDULE:

08-08-22 to 09-08-22	Mathematical modeling and differential equations
	Role of Mathematics in Modern Technology
	<b>Resource person:</b> <b>Dr. Pushpalatha</b>
10-08-22 to 11-08-22	Fuzzy Logical Algebras and their Applications
	Applications of Fuzzy Graph Theory
	<b>Resource person:</b> <b>Dr. K. Krishna Rao</b>
12-08-22 to 13-08-22	Mathematical Tools for the Internet of Things Analysis
	Mathematical Tools for the Internet of Things Analysis
	<b>Resource person:</b> <b>Dr. V. Raghava Lakshmi</b>

## FOR FURTHER DETAILS:

**Mrs. Y. Srilakshmi**  
Asst. Professor  
6300705919  
yalamanchilli.srilakshmi@gmail.com

**Mrs. V. Revathi**  
Asst. Professor  
8466932952  
revathi20p9@gmail.com





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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Approved by AICTE, New Delhi and Affiliated to JNTU Kakinada, AP

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Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com), Website: [www.vitw.edu.in](http://www.vitw.edu.in)

Enikepadu, Vijayawada-521 108

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Date: 14<sup>th</sup> August 2022

## Program Report

**Program Name:** A One Week Faculty Development Programme on “**Exploring Innovations in Applications of Mathematics**”

**Period:** 08-08-2022 to 13-08-2022.

### **Resource Persons:**

1. **Dr. K. Krishna Rao** professor, SRK Institute of Technology, Vijayawada,  
**Phone Number:** 9848922517, **Mail. ID:** [krishnaraokomatineni@gmail.com](mailto:krishnaraokomatineni@gmail.com).
2. **Dr. K. Pushpa Latha**, Assistant professor, KLU, Vijayawada,  
**Phone Number:** 9247272987, **Mail. ID:** [kpusphamphil@gmail.com](mailto:kpusphamphil@gmail.com)
3. **Dr. V. Raghava Lakshmi**, Professor, VITW, Vijayawada,  
**Phone Number:** 9908039661, **Mail. ID:** [raga\\_maths@rediffmail.com](mailto:raga_maths@rediffmail.com)

**Number of participants: 19**

**Program objective:** The FDP aims at addressing the recent developments in the area of Mathematics, allied and applied areas of mathematics including statistics. At the end of the FDP, the participants would be able to


1. Understand the recent developments in Mathematical sciences
2. Understand the applications of Mathematics in real world engineering applications of Industries.
3. Develop a conceptual approach of teaching mathematics.
4. Identify the areas of current and ongoing research in Mathematics/Statistics areas.

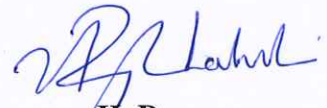


**Topics Covered:**

- Mathematical Modelling and Differential Equations
- Role of Mathematics in Modern Technology,
- Fuzzy Logical Algebras and their Applications
- Applications of Fuzzy Graph Theory,
- Mathematical Tools for the Internet of Things Analysis

**Program outcome:** This session has well motivated and impressed the faculty by the resource person. In this programme 24 faculty members and 1 research scholar are participated. They gained knowledge in fields recent developments in the area of Mathematics

  
**Coordinator**

  
**HoD**



**PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108**



**Organizing Committee Members**

**CHIEF PATRON**

**Sri B.S. Appa Rao**  
Chairman, SRK Foundation

**PATRON**

**Sri B. Sri Krishna**  
Secretary, SRK Foundation

**CONVENOR**

**Dr.G. Chenchamma**  
Principal, VITW

**CO-CONVENOR**

**Ms.K.Prasuna**  
HoD., Dept. of ECE  
VITW

**RESOURCE PERSONS**

**G.Thirumaleswari**

Manager, Learning &  
Development, ESF Labs Limited

**Dr.Prabhu Kavın.B**

Assistant professor, SRM institute of  
Science and technology

**Dr.V.Siva Parvathi**

Assistant professor,  
PVP Siddhartha institute of  
Technology

**A One Week National Level Faculty Development  
Programme  
On**

**“APPLICATIONS OF CRYPTOGRAPHY IN  
CYBER WORLD”**

**02/08/2022 to 06/08/2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee:-300/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy of the registration form to the  
mail-id: **ecehvitw@gmail.com**

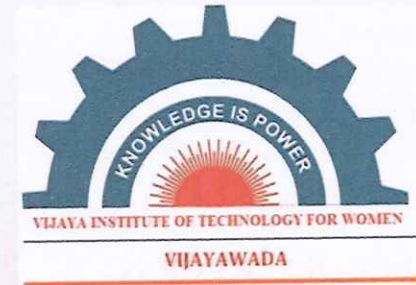
*Spot Registrations are also allowed.*

**A One Week National Level  
Faculty Development Program  
ON**

**“APPLICATIONS OF CRYPTOGRAPHY IN  
CYBER WORLD”**

**Organized by  
Department of  
Electronics & Communication  
Engineering**

**02/08/2022 to 06/08/2022**



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Email: vijayatechfw@gmail.com Website:  
www.vitw.edu.in College Code: NP, Enikepadu,  
Vijayawada-521108

**G. Chinn**  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**VIJAYAWADA-521108**



## ABOUT THE COLLEGE

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## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department.

The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

Introduce participants to advanced cryptographic concepts, including public-key cryptography; block chain technology, and quantum-resistant cryptography, to keep them abreast of the latest developments in the field. Foster hands-on experience through practical sessions, workshops, and case studies, enabling participants to implement cryptographic solutions and address real-world cyber security challenges. Facilitate interdisciplinary discussions to highlight the integration of cryptography with other domains such as cyber security, network security, and information assurance, fostering a holistic understanding of its applications. Encourage participants to explore avenues for research and innovation in the field of cryptography, inspiring them to contribute to advancements in cyber security through scholarly activities. By the end of the program, participants should gain a comprehensive understanding of cryptographic techniques, their applications, and be equipped with the skills and knowledge necessary to impart quality education to students and contribute to advancements in the field of cyber security.

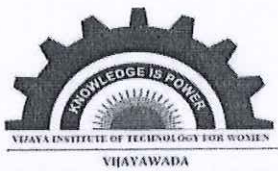
## SCHEDULE:

02/08/2022	<b>TOPIC:</b> Introduction to Cryptography <b>Resource person:</b> G.Thirumaleswari
03/08/2022	<b>TOPIC:</b> Secure Communication Protocols <b>Resource person:</b> G.Thirumaleswari
04/08/2022	<b>TOPIC:</b> Applied Cryptography in Cybersecurity <b>Resource person:</b> Dr.Prabhu Kavin.B
05/08/2022	<b>TOPIC:</b> Cryptography in IoT (Internet of Things) <b>Resource person:</b> Dr.Prabhu Kavin.B
06/08/2022	<b>TOPIC:</b> Future Trends in Cryptography <b>Resource person:</b> Dr.V.Siva Parvathi

## FOR FURTHER DETAILS:

**Ms.K.Prasuna**  
HoD,Dept.of ECE  
Phone Number:8008842308  
Mail ID:[ecchvitw@gmail.com](mailto:ecchvitw@gmail.com)  
**Dr.K.Murali**  
HoD,Dept.of AIML  
Phone Number:7989262416  
Mail ID:[murali.k@gmail.com](mailto:murali.k@gmail.com)





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vjayatechfw@gmail.com](mailto:vjayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

## Program Report

Date: 08-08-2022

<b>Title Of The Event:</b>	A one Week FDP on “ <b>APPLICATIONS OF CRYPTOGRAPHY IN CYBER WORLD</b> ”
<b>Resource Persons:</b>	<ol style="list-style-type: none"><li>1. <b>G. Thirumaleswari</b>, Manager, Learning &amp; Development, ESF Labs Limited</li><li>2. <b>Dr.Prabhu Kavın.B</b>, Assistant professor, Department of Data Science and Business systems, SRM institute of science and technology</li><li>3. <b>Dr.V.SivaParvathi</b>, Assistant professor, Department of Information Technology, PVP Siddhartha institute of technology</li></ol>
<b>Duration:</b>	02/08/2022 to 06/08/2022
<b>No of Participants:</b>	26
<b>Description:</b>	<p>Ms.K.Prasuna, HOD of ECE welcomed all the respected dignitaries and participants and emphasized the benefits of such kind of resourceful activity. Dr. G.Chenchamma Garu Principal appreciated the program organized by ECE dept. and encouraged for such activities. Then the session was handovered to the resource persons.</p> <ul style="list-style-type: none"><li>• The session was started by introduction of HPC and highlighted the security issues in HPC. Dr.Prabhu Kavın Garu also discussed concept of distributed computing, parallel computing and grid computing. Major challenges of this area were discussed in brief. Participants of FDP discussed the research opportunity of this field concluded his session by giving some example of recent researches that were carried out over the globe in area of HPC.</li><li>• Some latest technologies of security like Signcryption, Schnor Signcryption has been discussed in detail. Along these technological points of view Dr.V.SivaParvathi Garu explained how sender encrypts the message using above mentioned technologies and how receiver decrypt</li></ul>



	<p>the message.</p> <ul style="list-style-type: none"> <li>• And they covered the topic on Cryptography in IoT (Internet of Things) briefly.</li> <li>• The session was ended with the discussion of Future Trends in Cryptography.</li> </ul>
<b>Objective:</b>	<ul style="list-style-type: none"> <li>• The main objective of this program is to make the participants aware of the recent developments in Cryptography and Cyber Security so that they can update their knowledge in this area and explore for further research. It was also expected that as the participants are all faculties of different educational institutions, the knowledge gained will be shared and further passed on to the students.</li> </ul>
<b>Outcomes:</b>	<ul style="list-style-type: none"> <li>• Participants should leave the FDP with a comprehensive understanding of cryptography's theoretical foundations, practical applications, and its critical role in addressing cybersecurity challenges in the evolving digital landscape.</li> <li>• Empower the participants with the knowledge and skills needed to integrate cryptography effectively in educational and professional settings.</li> </ul>

*K. Prasanna*  
CO-ORDINATOR

*K. Prasanna*  
HoD

*G. Umm*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108



**ORGANIZING COMMITTEE MEMBERS**

**CHIEF PATRON**  
**Sri B. S. APPA RAO**  
Chairman,  
SRK Foundation

**PATRON**  
**Sri B. SRI KRISHNA**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. CH. CHENCHAMMA**  
Principal

**CO-CONVENER**  
**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of  
BUSINESS ADMINISTRATION

**CO-ORDINATOR**  
**Dr. G. MADHU SRI**  
Associate Professor,  
Department of  
BUSINESS ADMINISTRATION

**A Five Day Faculty Development Programme**  
**On**  
**"RESEARCH METHODOLOGY AND**  
**DATA ANALYSIS"**

25/07/2022 to 29/07/2022

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----

-----

-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Other**

**Signature of Participant**

**Registration Fee: ₹ 500/-**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

**[vijayamba08@gmail.com](mailto:vijayamba08@gmail.com)**

**Spot Registrations are also allowed.**

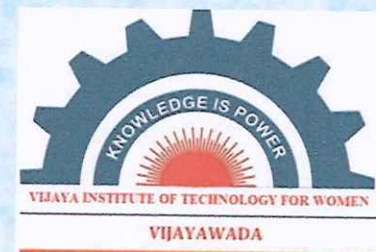
**A Five Day Faculty Development**  
**Program**

ON

**RESEARCH METHODOLOGY AND**  
**DATA ANALYSIS**

**Organized by**  
**Department of**  
**BUSINESS ADMINISTRATION**

25/07/2022 to 29/07/2022



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**TECHNOLOGY FOR WOMEN**

An ISO 9001:2015 Certified Institution,  
Affiliated to JNTU, Kakinada,  
Eikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
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**ENIKEPADU, VIJAYAWADA-521,108**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT MBA DEPARTMENT

The department was established in the year 2009 and offers 2 year full time Master of Business Administration (MBA) program with the approval of AICTE, and affiliated to JNTUK. We at the Department instill aptitude to think logically and act rationally. Faculty members at MBA promote knowledge through teaching, research and training. Various tools are used to enable students to become Managers, Leaders and Entrepreneurs.

## OBJECTIVES OF FDP:

In light of the prevailing dynamic and uncertain times, it has become pertinent for all educators to upgrade their skills and become fully competent in the field of Research. The FDP was organized to provide a much needed opportunity to the faculty to familiarize themselves with various research methodology tools and techniques, develop skills in Qualitative and Quantitative data analysis and presentation and develop advanced critical thinking skills.

## SCHEDULE:

25/07/2022	TOPIC: Introduction to Research Methodology and Data Analysis.  Resource person: <b>Mr. P. GURUPRASAD</b>
26/07/2022	TOPIC: Various methodologies of Research.  Resource person: <b>Dr. B. KRISHNAIAH</b>

27/07/2022	TOPIC: Data Collection Methods and Analysis of Data.  Resource person: <b>Dr. P. CHENCHU REDDY</b>
28/07/2022	TOPIC: Sampling Process and Methodological Choices in Data Analysis.  Resource person: <b>Dr. P. SUBBAIAH</b>
29/07/2022	TOPIC: Research Limitations and ethical considerations of the Research.  Resource person: <b>Dr. A. UDAY SANKAR</b>

## FOR FURTHER DETAILS:

**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of BUSINESS ADMINISTRATION  
7674002244  
drpsubbaiah@gmail.com

**Dr. G. MADHU SRI**  
Associate Professor,  
Department of BUSINESS ADMINISTRATION  
9989713626  
gaganasahasra@gmail.com





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### REPORT ON A 5 DAY FACULTY DEVELOPMENT PROGRAM ON

### “RESEARCH METHODOLOGY AND DATA ANALYSIS”

Date: 30<sup>th</sup> July 2022

A 5 day Faculty development Programme was successfully organised in the Vijaya Institute of Technology for Women, from 25<sup>th</sup> -29<sup>th</sup> July, 2022 by Department of MBA. The Programme received an overwhelming response.

**RATIONALE OF THE FDP:** In the context of existing dynamic and uncertain times, it has become important for all educators to upgrade their skills and become fully competent in the field of Research. So this FDP was organized to provide a much needed opportunity to the faculty to familiarize themselves with various research methodology tools and techniques.

#### RESOURCE PERSONS:

1. **Mr. P. Guruprasad**, Associate Professor, P.B Siddhartha Academy, Vijayawada.
2. **Dr. B. Krishnaiah**, Associate Professor, Head of Dept of MBA, SRK Institute of Technology, Vijayawada.
3. **Dr. P. Chenchu Reddy**, Professor, Dept. Of MBA, Vikrama Simhapuri University, SPSSR, Nellore District.
4. **Dr. P. Subbaiah**, Professor, HoD of MBA Dept, VITW, Vijayawada.
5. **Dr. A. Uday Sankar**, Professor, Dept. Of MBA, KL University, Vaddeswaram, Vijayawada.

**NO OF PARTICIPANTS:** 19

**MODE OF DELIVERY:** Hybrid

#### INAUGURATION OF THE FDP:

The FDP started with an inaugural session on 25<sup>th</sup> June, 2022 in the presence of the resource person **Mr. P. GURUPRASAD**, Associate Professor, P.B Siddhartha Academy, Vijayawada, **Dr. G. CHENCHEMMA**, Principal and **Dr. P. SUBBAIAH**, HoD of MBA Department and other faculty members.





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The session began with welcome address by **Dr.G.MADHU SRI**, Associate Professor, Dept. of MBA, who also discussed the rationale of the FDP and its key components. Principal **Dr. G. CHENCHEMMA** presented the key points of the programme. **Dr.P.SUBBAIAH**, HoD, Department of MBA addressed the audience with a few words on Research Methodology.

### THE JOURNEY OF 5-DAYS:

- Day 1 of FDP was delivered by the resource person **Mr. P. GURUPRASAD**, Associate Professor, P.B Siddhartha Academy, Vijayawada with an introduction to Research Methodology and Data Analysis.
- On Day 2, FDP was delivered by the resource person **Dr. B. KRISHNAIAH**, Associate Professor, HOD Dept Of MBA, SRK Institute of Technology, Vijayawada focused on the various methodologies of research.
- The 3<sup>rd</sup> day of the FDP was delivered by the resource person **Dr. P. CHENCHU REDDY**, Professor, Dept. of MBA, Vikrama Simhapuri University, SPSSR, Nellore District focused on data collection methods and analysis of data.
- On Day 4 the FDP was delivered by the resource person **Dr. P. SUBBAIAH**, HoD Of MBA Dept, VITW, Vijayawada focused on the sampling process and methodological choices in data analysis.
- The last session of the FDP was delivered by the resource person **Dr. A. UDAY SANKAR**, Professor, Dept. Of MBA, KL University, Vaddeswaram, Vijayawada concluded with the research limitations and ethical considerations of the research.

At the end of the last day session, it was happy to receive positive feedback from Participants who applauded the FDP. The FDP helped them in gaining knowledge on Research Methodology and Data Analysis.

**OUTCOME OF THE FDP:** After attending the Faculty Development Program, the participants will understand

- Process of Research Methodology,
- Various Data Collection methods and analysis of Data
- Sampling process and
- Research Limitations and Ethical considerations of Research.





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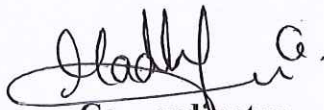
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### VALEDICTORY SESSION:

A Valedictory Session was held to mark the five day journey of the FDP on **“Research Methodology and Data Analysis”** on 29<sup>th</sup> July, 2022. It was attended by the Principal, HOD’s and other staff members of Various Departments. The Session ended with a **Vote of Thanks** by **Ms. K. Sai Sowjanya**, Assistant Professor, Department of Business Administration, with a hope that participants will use this knowledge and information in Research and Data Analysis.

  
Co – ordinator

  
HOD

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108



**CHIEF PATRON****Sri B.S.APPARAO**

Chairman, SRK Foundation

**PATRON****Sri B.S.KRISHNA**

Secretary, SRK Foundation

**CONVENER****Dr G.CHENCHAMMA**

Principal

**CO-CONVENER****Mrs. Y.VIJAYA**Head of the Department,  
Information Technology**FDP CO-ORDINATOR****Mr. CH.V.RAO**Assistant Professor,  
Department of Information Technology**How to Apply:**

The participants can fill-up the Registration form and send the scanned copy to the email.id:

[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- Spot Registrations are also allowed on 11<sup>th</sup> July 2022 before 9:00 am

A One-Week Faculty Development Program

On

**Data Analysis Using  
PYTHON**

Will be held from

11<sup>th</sup> July 2022 to 16<sup>th</sup> July 2022

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

*G. Um*  
PRINCIPAL

VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521, 108

Signature of the Participant

A One-Week

Faculty Development Program

On

**Data Analysis Using  
PYTHON**

Will be held from

11<sup>th</sup> July 2022 to 16<sup>th</sup> July 2022

In collaboration with



Andhra Pradesh State Skill Development  
Corporation (Govt. of Andhra Pradesh)

Is being organized by

Department of  
Information Technology



**VIJAYA INSTITUTE OF  
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Affiliated JNTU Kakinada  
Enikepadu, Vijayawada-521 108  
Andhra Pradesh, INDIA

[www.vitw.edu.in](http://www.vitw.edu.in)



## ABOUT THE COLLEGE:

The College VITW was founded by Sri Boyapati AppaRao garu in 2008, with the objective of providing excellent learning facility for women to pursue education in Engineering. VITW is affiliated to JNTUK, approved by AICTE, certified by ISO 9001:2015. VITW is only women's engineering college in the heart of Vijayawada] city offering engineering undergraduate courses in CSE,ECE,IT and AI&ML, Master in business administration and diploma engineering courses in DCME,DECE,DEEE.VITW has made its presence felt more with academic, discipline, results and the achievements of its students.

## DEPARTMENT OF INFORMATION TECHNOLOGY:

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programmed in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology.

## ABOUT APSSDC:

The Govt. of AP has formed 7 different Missions to achieve double digit growth for the state and to make AP among the most developed state in the country. Among these, the Knowledge and Skills Mission has been formed to provide trained and skilled manpower to all other Missions. To bring the faster execution State Government Andhra Pradesh has established The Department of Skill Development, Entrepreneurship and Innovation (DSDEI) has been further created to coordinate and synergize skilling efforts of all departments. Under which APSSDC is formed.

## ABOUT THE PROGRAM:

APSSDC in collaboration with Python Educate is offering the Data Analysis Using Python workshop to faculty members and students. The faculty development program promotes knowledge regarding various information technologies and explains the significance of the latest new trends. On the whole, the FDP provides an insight into various recent advancements. It provides you with fundamentals to become more proficient in identifying services so that you can make informed decisions about IT solutions based on your academic projects, business requirements and get started working on PYTHON.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mr. CH.V.RAO

Assistant Professor,  
Department of Information Technology  
Contact Number: 9032168338  
Email.ID: [chvro89@gmail.com](mailto:chvro89@gmail.com)

### Mrs. SWARNA RAMYA

Assistant Professor,  
Department of Information Technology  
Contact Number: 7780252749.  
Email.ID: [ramyaswarna6@gmail.com](mailto:ramyaswarna6@gmail.com)

## COURSE SCHEDULE:

DATE	TOPICS
11-07-2022	<ul style="list-style-type: none"><li>• Introduction to Programming</li><li>• Anaconda3 Software Installation</li><li>• Jupiter Network Environment</li></ul>
12-07-2022	<ul style="list-style-type: none"><li>• Python Basics: Variables, Keyword Conditional, Overview of Python</li></ul>
13-07-2022	<ul style="list-style-type: none"><li>• Functions in python</li></ul>
14-07-2022	<ul style="list-style-type: none"><li>• Worked with Files, Modules.</li></ul>
15-07-2022	<ul style="list-style-type: none"><li>• Numpy and Pandas Modules</li></ul>
16-07-2022	<ul style="list-style-type: none"><li>• Data Visualization using Matplotlib</li></ul>

## RESOURCE PERSON

### Mrs. M. Ruthumma

Multi Skill Trainer,  
Andhra Pradesh State Skill Development Corporation

## NOTE:

- Registration fee ₹400/-
- Interested Persons are requested to register for the program on or before 10<sup>th</sup> July 2019.
- Attendance and feedback are mandatory to get a certificate.





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Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

Date: 18<sup>th</sup> July 2022

## A one week Faculty Development Program report on “Data Analysis Using Python”

### Objectives:

- To provide awareness among faculty over Data analysis using python
- Demonstrate the importance of exploratory data analysis in understanding data patterns. Use of Matplotlib and Seaborn for creating visualizations to explore data distributions and relationships.
- Introduced statistical analysis using Python, including measures of central tendency, dispersion, and correlation. Provide hands-on exercises to apply statistical concepts to real-world datasets.
- Explore advanced data visualization techniques using libraries.
- Emphasize the importance of effective data communication through visualizations.

### Description:

From July 11<sup>th</sup> to July 16<sup>th</sup>, 2022, the Department of Information Technology hosted a faculty development program on "DATA ANALYSIS USING PYTHON". The participants in the program experienced a very beneficial academic environment. Mr. CH.V. Rao, Assistant Professor, Department of Information Technology, welcomed the dignitaries. Mrs. Vijaya, Head of Department, gave the FDP keynote address. Dr. G. Chenchamma, Principal, then gave a program introduction. Mrs. M. Ruthumma then took over the session.

### Resource Person:

**Sri. M.Ruthumma**

Trainer cum Developer,

Andhra Pradesh Skill Development Corporation (APSSDC)

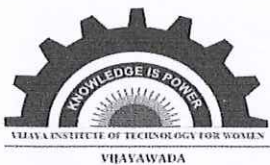
### FDP Coordinator:

**Mr. CH.V. Rao**

Assistant Professor,

Department of Information Technology





## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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College Code: NP, Enikepadu, Vijayawada-521108

### Topics covered during the program:

#### Day 1: Introduction to Programming

Anoconda3 Software Installation and programs were executed in Jupiter network environment.

#### Day 2: Python Basics

Variables, Keyword and Conditional Statements and also, Resource person discussed the overview of python concepts – Loops and functions

#### Day 3: Functions in Python

Introduction to the string, Str methods in data science in Python.

#### Day 4: Files and modules

Started with the working of files and modules.

#### Day 5: Python modules

NumPy and Pandas modules, few examples were explained in detail about the modules.

#### Day 6: Matplotlib

In this session resource person discussed matplotlib libraries and Data Visualization using Matplotlib.

### Outcomes:

The FDP program enriched the knowledge of faculty over Data Analysis Using Python, The program highlighted the Participants can create Data visualizations using python. All the participants who have attended the program gained rich insights into the topics.

Participants learned following: how to write Python code, understand basic syntax, use variables, and implement control structures and functions. Capability to perform exploratory data analysis to uncover patterns, trends, and relationships within datasets. Competence in using Matplotlib and Seaborn for creating visualizations. Understanding of basic statistical concepts and the ability to apply them to real-world datasets. Proficiency in using Python for descriptive statistics and hypothesis testing. Capability to create advanced data visualizations using libraries. Understanding of effective data communication through visualizations.

COORDINATOR

PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521108

HoD



**Organizing Committee Members**

**CHIEF PATRON**  
**Sri B.S. Appa Rao**  
Chairman, SRK Foundation

**PATRON**  
**Sri B. Sri Krishna**  
Secretary, SRK Foundation

**CONVENOR**  
**Dr. G. Chenchamma**  
Principal, VITW

**CO-ORDINATOR**  
**Ms.K.Prasuna**  
Assistant professor&HoD,  
Department of ECE  
VITW

**RESOURCE PERSON**  
**T.Naga Pawan Kumar**  
Professor, Anurag college of engineering,  
Hyderabad.

**A One Week National level online Faculty  
Development Programme  
On  
“OUTCOME BASED EDUCATION”**

**09/07/2022 to 13/07/2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee:Rs.350/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: **ecehvitw@gmail.com**

**Spot Registrations are also allowed.**

**A One Week National level online  
Faculty Development Program**

**ON  
“OUTCOME BASED EDUCATION”**

**Organized by**

**Department of  
ELECTRONICS & COMMUNICATION  
ENGINEERING**

**09/07/2022 to 13/07/2022**



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**S. Chenchamma  
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ENIKEPADU, VIJAYAWADA-521108**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

Familiarize faculty members with the core principles and philosophy of Outcome-Based Education. Provide a comprehensive overview of the importance of learning outcomes in educational design. Foster a culture of continuous improvement by teaching faculty how to use assessment data to enhance teaching and learning. Promote quality assurance by guiding faculty in ensuring that learning outcomes are consistently met across different courses and programs. Encourage collaboration among faculty members to share best practices and challenges in implementing Outcome-Based Education. Facilitate a supportive community where educators can learn from each other.

## SCHEDULE:

By the RESOURCE PERSON  
**Mr.T.Naga Pawan Kumar**

09/07/2022	<b>TOPIC:</b> Introduction to Outcome-Based Education (OBE)
10/07/2022	<b>TOPIC:</b> Defining Learning Outcomes
11/07/2022	<b>TOPIC:</b> Quality Assurance in OBE
12/07/2022	<b>TOPIC:</b> Data-Driven Decision Making
13/07/2022	<b>TOPIC:</b> Student-Centered Learning

## FOR FURTHER DETAILS:

**Ms.K.Prasuna**  
HoD, Dept. of ECE  
Phone Number: 8008842308  
Mail.ID: [ecehvitw@gmail.com](mailto:ecehvitw@gmail.com)



**Program Report**

Date: 08-08-2022

<b>Title Of The Event:</b>	A one Week FDP on on “ <b>OUTCOME BASED EDUCATION</b> ”
<b>Resource Person Name:</b>	<b>Dr.T. Naga Pawan Kumar</b> , Professor, Anurag College of Engineering , Hyderabad.
<b>Duration:</b>	09/07/2022 to 13/07/2022
<b>No Of Participants:</b>	48
<b>Description:</b>	<p>On 09<sup>th</sup> July 2022 (First Day) the programme was inaugurated in the morning through google link and was simultaneously made LIVE using Stream Dr. G.Chenchamma- Principal, Head of the Department, K.Prasuna and all the staff members are participated in FDP. The HoD of ECE, K.Prasuna welcomes the chief guest, participants and all other staff members.</p> <p>In the inaugural speech, Hon. Dr. G.Chenchamma Garu, shared her views with the faculty participants that if faculty wants to develop themselves and their students, then attending such faculty development programmes would enhance their skills of teaching concepts practically. And further shared that it helps to improve the performance of faculty in teaching and highlighted the importance and objectives of organizing faculty development programmes. She briefed the participants about the subjects chosen for the FDP and highlighted the reasons and importance of the same. She explains about importance of OBE is a powerful education strategy that should be used as a focus for curriculum planning, as a means of making informed discussions about the approaches to teaching and learning be adopted, and as a basis for the assessment of students/trainees and of the education programme itself.</p> <p>The next session, the resource person Dr.T. Naga Pawan Kumar handled</p>



	<p>the session who emphasized the need for OBE. He has explained deficiencies of traditional system and how to overcome this. He has explained the basic concept of outcome based education and he was an elaborate necessity and building blocks of OBE it's a very useful and informative session for beginners. he made sure that the session was lively by interacting with the participants often. She patiently answered all the queries raised by them. OBE is more useful in organizations where employees have to gain certain skills and abilities by the end of the program. The skills can be tangible or intangible (like behavioral aspects) and are assessed as a part of the training. Outcome-based education aims to improve the quality of training/ learning by creating a well-defined path to reach the outcome.</p> <p>He said OBE framework framed by UGC consists of Industries and academics. He has elaborate administrative system for implementation of OBE, and 3 important keys constituency of OBE, that is Vision &amp; mission, PEO and PO. And he was explain detail how to write the vision and mission for college and department. Follow that he has describe the process of PEO and Assessment method of Po. Finally he has given more examples for co-po relationships, and how Continuous Quality Improvement (CQI) is working.</p>
<p><b>Objective:</b></p>	<ul style="list-style-type: none"> <li>• Learn how to articulate clear and measurable learning outcomes using the SMART criteria.</li> <li>• Understand the difference between program outcomes, course outcomes, and learning outcomes.</li> <li>• Familiarize participants with various assessment methods that support OBE, such as formative and summative assessments.</li> <li>• Develop skills in creating valid and reliable assessment tools, including rubrics and grading criteria.</li> <li>• Aim to provide a comprehensive understanding of Outcome-Based Education and equip participants with the knowledge and skills necessary</li> </ul>



	<p>to implement OBE in their specific teaching contexts. The FDP's goal is to empower educators to create meaningful learning experiences that align with the desired outcomes and contribute to the continuous improvement of educational programs.</p>
<b>Outcomes:</b>	<ul style="list-style-type: none"><li>• Participants will gain insights into the OBE framework, which places emphasis on defining clear, measurable learning outcomes and aligning instructional strategies to achieve.</li><li>• Participants will be equipped with the knowledge and skills necessary to design and implement courses using the Outcome-Based Education framework, fostering a student-centered and outcomes-driven approach to education.</li></ul>

K. Prasanna  
CO-ORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521, 108

K. Prasanna  
HoD



**ORGANIZING COMMITTEE MEMBERS**

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Chairman,  
SRK Foundation

**PATRON**  
**SRI B. SRI KRISHNA**

Secretary,  
SRK Foundation

**CONVENER**  
**Dr. CH. CHENCHAMMA**  
Principal

**CO -CONVENER**  
**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of  
BUSINESS ADMINISTRATION

**CO-ORDINATOR**  
**Mrs. T. LEELA BHANU**  
Assistant Professor,  
Department of  
BUSINESS ADMINISTRATION

**A Five Day Workshop**  
**On**

**"FOSTERING CREATIVE THINKING &  
INNOVATION FOR  
ENTREPRENEURSHIP DEVELOPMENT"**

21/06/2022 to 25/06/2022

**REGISTRATION FORM**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee: ₹500/-**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

***vijayamba08@gmail.com***

**Spot Registrations are also allowed.**

**G. Uma**  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521,108**

**A Five Day Workshop**

**ON**

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**Organized by**  
**Department of**  
**BUSINESS ADMINISTRATION**  
**in association with ED CELL**

21/06/2022 to 25/06/2022



**VIJAYA INSTITUTE OF  
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**Enikepadu, Vijayawada-521108,**  
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**www.vitw.edu.in**



## ABOUT THE COLLEGE

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## ABOUT MBA DEPARTMENT

The department was established in the year 2009 and offers 2 year full time Master of Business Administration (MBA) program with the approval of AICTE, and affiliated to JNTUK. We at the Department instill aptitude to think logically and act rationally. Faculty members at MBA promote knowledge through teaching, research and training. Various tools are used to allow students to become Managers, Leaders and Entrepreneurs.

## OBJECTIVES OF FDP:

Innovation and Creativity are vital for Entrepreneurial Success. They enable Entrepreneurs to differentiate themselves, respond to market changes, solve problems, drive growth, take risks, attract stakeholders and foster a culture of continuous improvement. This FDP will also help the faculty to equip skills and knowledge that are essential for inculcating Entrepreneurial Thinking.

## SCHEDULE:

21/06/2022	TOPIC: Women Entrepreneurship, Opportunities and Challenges. <b>Resource person:</b> <b>Smt. D. APARNA</b>
22/06/2022	TOPIC: Entrepreneur, Process for becoming an Entrepreneur and Government support for Entrepreneurs. <b>Resource person:</b> <b>Mr. SUNKAVALLI RAMESH</b>

23/06/2022	TOPIC: Given examples of Successful Entrepreneurs and their success stories to motivate students. <b>Resource person:</b> <b>Dr. N. S. KRISHNA RAO</b>
24/06/2022	TOPIC: Entrepreneurship Development now Vs. Previous times. <b>Resource person:</b> <b>Dr. S. SAHITHI</b>
24/06/2022	TOPIC: Self Employment Vs. Job and opportunities and risks associated with Self Employment. <b>Resource person:</b> <b>Smt. A. MANJULATHA</b>

## FOR FURTHER DETAILS:

**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of BUSINESS ADMINISTRATION  
7674002244  
drpsubbaiah@gmail.com

**Mrs. T. LEELA BHANU**  
Assistant Professor,  
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College Code: NP, Enikepadu, Vijayawada-521108

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**REPORT ON**  
**A 5 DAY WORKSHOP**  
**ON**  
**“FOSTERING CREATIVE THINKING AND INNOVATION FOR**  
**ENTREPRENEURSHIP DEVELOPMENT”**

Date: 27<sup>th</sup> June 2022

A 5 day workshop was organized in VITW from 21<sup>st</sup> to 25<sup>th</sup> June 2022 by the Department of Business Administration in Association with **Entrepreneurship Development Cell**. The workshop received an overwhelming response with faculty members and students.

**RESOURCE PERSONS:** Resource persons for this programme are the experts from industry and academia.

1. **Smt. D. APARNA**, Proprietor, Aparna Jute Bags, Vijayawada
2. **Mr. SUNKAVALLI RAMESH**, B.E, MBA, M.D, RISHI CON, Rajahmundry.
3. **Dr. N. S. KRISHNA RAO**, M.A, M.B.A., Ph.D, Academician, Psychologist, Motivational Speaker, Visakhapatnam.
4. **Dr. S. SAHITHI**, BAMS, M.D, Vedamantra, Vice-Chairman, Jana Sokshana Samsthan, Vijayawada.
5. **Smt. A. MANJULATHA**, MBA (FIN), M.A (Astrology), Founder & CEO, Digital Manju Pvt. Ltd, Vijayawada.

**NO OF PARTICIPANTS:** 21

**INAUGURATION OF THE PRORAMME:**

The workshop started with an inaugural session on 21<sup>st</sup> June 2022, in the presence of resource person **Smt. D. APARNA**, Proprietor, Aparna Jute Bags, **Dr. G. CHENCHAMMA**, Principal, **Dr. P. SUBBAIAH**, HoD, Department of Business Administration and other faculty members. The session began with welcome address by Mrs. T. Leela Bhanu, Assistant Professor, Department of Business Administration, who has also discussed the rationale of the workshop and its key components, Principal **Dr. G. CHENCHAMMA** presented the key points of the programme. **Dr. P. SUBBAIAH**, HoD, Department of Business Administration addressed the audience with his words of wisdom.





## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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### OBJECTIVES OF THE EVENT:

- To understand the concept of innovation.
- To understand the concept of Entrepreneurial Development.
- To understand the main components of innovation, innovation management and Entrepreneurship Development.
- To understand the theories of innovation and Entrepreneurship Development
- To understand the relationship between innovation and Entrepreneurship Development.
- To know the various techniques of innovation and promoting Entrepreneurial culture.

### FOR WHOM:

The FDP is open for students, Faculty and Entrepreneurs who have an interest in understanding Innovation and Innovation management. At every Phase of life, innovation matters a lot and can be beneficial for the participants.

### PEDAGOGY:


The workshop is a mixture of lecture, case studies and sharing of experiences between participants and resource persons.

### KEY BENEFITS:

After attending this workshop, the participants will be able to understand the challenges, prospects, issues, concerns, opportunities of innovation and managing innovation. At the end of the last day session, it was happy to receive positive feedback from participants who applauded the workshop.

### VALEDICTORY SESSION:

A Valedictory session was held to mark the 5 day journey of the workshop on “Fostering Creative Thinking and Innovation for Entrepreneurship Development” on 25<sup>th</sup> June 2022. It was attended by the Principal, HOD’s and other staff members from other departments. The session ended with a **Vote of Thanks** by **Ms. K. Sai Sowjanya**, Assistant Professor, Department of Business Administration, with a hope that participants will use this knowledge and information in innovations.

  
Co – ordinator

  
HoD

  
PRINCIPAL  
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**Organizing Committee Members**

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Chairman,  
SRK Foundation

**PATRON**  
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Secretary,  
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**Dr. G. CHENCHAMMA**  
Principal

**CO -CONVENER**  
**Dr.K.MURALI**  
Assoc. Professor & Head  
Department of AIML

**CO-ORDINATOR**  
**Mr. P. JASHUVA**  
Assistant Professor,  
Department of AIML

**A Five Day Faculty Development Programme  
On**

**“ GENERATIVE AI USING CYBER  
SECURITY ”**

20/06/2022 to 24/06/2022

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee:400**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

***vitw.aimldept@gmail.com***

***Spot Registrations are also allowed.***

**A Five Day  
Faculty Development Program**

ON

**“GENERATIVE AI USING CYBER  
SECURITY ”**

**Organized by  
Department of AIML**

20/06/2022 to 24/06/2022



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## ABOUT THE COLLEGE

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## ABOUT AIML DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2020 with B.Tech programme in Artificial Intelligence & Machine Learning . The objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face challenges of the industry & Academia.

## ABOUT FDP:

Generative AI empowers organizations to adopt a proactive stance, predicting and mitigating potential threats before they materialize. Generate attack simulations: Generative AI can be used to generate attack simulations that can be used to train security analysts and test the effectiveness of security systems.

## OBJECTIVES OF FDP:

Generative AI algorithms can be used to improve the efficiency and accuracy of existing AI systems, such as natural language processing and computer vision. For example, generative AI algorithms can be used to create synthetic data that can be used to train and evaluate other AI algorithm.

Generative AI can help security teams protect sensitive data and information from unauthorized access or leakage, by creating synthetic data that mimics the real data without revealing its identity or content. This can help reduce the risk of data breaches or misuse.

## SCHEDULE:

20/06/2022  
TO  
24/06/2022

**TOPIC:** Introduction to Generative AI, Importance of Cyber Security in Generative AI, Applications and Tips to improve Security in generative AI by using Cyber Security

**Resource person:**

**Mr. G. JACOB VICTOR**

## FOR FURTHER DETAILS:

**Dr.K.MURALI**

**Assoc. Professor & Head**

**Department of AIML**

**9966682535**

**kalipindimurali@gmail.com**


**Mr. P. JASHUVA**

**Assistant Professor,**

**Department of AIML**

**8317627638**

**jashuvapsrj@gmail.com**

  
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## REPORT ON A ONE WEEK FDP ON

### “ GENERATIVE AI USING CYBER SECURITY ”

A One week FDP was organized in VITW from 20<sup>th</sup> to 24<sup>th</sup> June 2022 by the Department of AIML . The FDP received an overwhelming response with 80 faculty members and students.

**RESOURCE PERSON :** Resource persons for this programme will be the experts from industry and Academia both.

**Dr. G. JACOB VICTOR** , B.E, M.Tech, PhD, CISA, FIETE, MIEEE, Director (Communications), Information Technology, Electronics & Communication Department , Government of Andhra Pradesh, Vijayawada

#### INAUGURAL OF THE PRORAMME:

The FDP started with an inaugural session on 20<sup>st</sup> June 2022, in the presence of resource person **Dr. G. JACOB VICTOR**, Director (Communications), Information Technology, Electronics & Communication Department , **Dr. G. CHENCHAMMA**, Principal of VITW, **Dr. K.MURALI** , HOD, Department of AIML, and other faculty members.

The session began with welcome address by **Mr.P.Jashuva** , Assistant Professor, Department of AIML, VITW, who has also discussed the rationale of the FDP and its key components,

The Principal Madam, **Dr.G. CHENCHAMMA** presented the key points of the programme.

**Dr. K.MURALI**, HoD, Department of AIML addressed the audience with his words of wisdom.





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College Code: NP, Enikepadu, Vijayawada-521108

## OBJECTIVES OF THE EVENT:

- To understand the concept of Generative AI.
- AI in Cyber Security eliminates time-consuming tasks done manually by human experts.
- It scans vast data and identifies potential threats and reduces false positives by filtering out non-threatening activities.
- This helps human experts focus on more critical security tasks .

## FOR WHOM:

The FDP is open for students, Faculty and Entrepreneurs who have an interest in understanding the concept of Generative AI . At every Phase of life, This helps human experts focus on more critical security tasks.

## PEDAGOGY:

The FDP is a mixture of lecture, case studies and sharing of experiences between participants and resource persons.

## KEY BENEFITS:

After attending this FDP, the participants will be able to understand the challenges, prospects, issues, concerns, opportunities of innovation and managing innovation.

At the end of the last day session, it was heartening to receive positive feedback from participants who applauded the FDP.


## VALEDICTORY SESSION:

A Valedictory session was held to mark the 5 day journey of the FDP on “**GENERATIVE AI IN CYBER SECURITY** ” on 24<sup>th</sup> June 2022. It was attended by the Principal, HOD’s and other staff members from other departments.

The session was started with a welcome address by Mr.P.Jashuva , Asst Prof, Dept of AIML,, VITW, pointed out the importance of creativity and innovation in Cyber Security .

The session ended with a **Vote of Thanks** by Dr.K. Murali , HOD, Dept of AIML , VITW with a hope that participants will use this knowledge and information in innovations.

  
COORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA-521,108

  
HoD



**Organizing Committee Members**

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SRK Foundation

**PATRON**  
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Secretary,  
SRK Foundation

**CONVENER**  
**Dr. P. Subbaiah**  
Principal

**CO-CONVENER**  
**Dr.A.C.P.Ranjani**  
Professor & Head,  
Department of CSE

**CO-ORDINATOR**  
**Mrs.J.Hymavathi**  
Asst. Professor,  
Department of CSE

**A One Week Faculty Development Program**

**On**

**"ARTIFICIAL INTELLIGENCE AND  
DATA ANALYTICS"**

**06-06-2022 to 11-06-2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

*Registration Fee Rs: 300/- Only*

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: [sumaavani2@gmail.com](mailto:sumaavani2@gmail.com)

*Spot Registrations are also allowed.*

**PRINCIPAL**  
**VIJAYA INSTITUTE OF  
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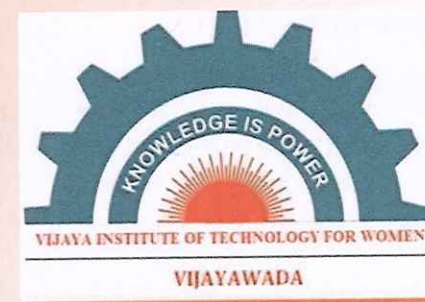
**A One Week  
Faculty Development Program  
On**

**"ARTIFICIAL INTELLIGENCE AND  
DATA ANALYTICS"**

**Organized  
By**

**Department of Computer Science and  
Engineering**

**06-06-2022 to 11-06-2022**



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## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

Helping faculty to update and develop curriculum content and teaching methodologies relevant to AI&DA, ensuring it to align with industry trends and demands.

Empowering faculty with practical exposure to AI&DA tools, techniques, real world applications, enabling them to incorporate their hands-on experience into teaching.

Artificial Intelligence (AI) and Data Analytics play a crucial role in solving a wide range of problems in different fields.

### Automation

AI aims to automate tasks that traditionally require human intelligence, improving efficiency and reducing human involvement in repetitive, mundane tasks.

### Prediction

AI can predict future outcomes and trends by analyzing historical data, helping in decision-making and planning.

Developing expertise and competence in AI&DA with latest advancements aiming to enhance the quality of education in these domains.

## SCHEDULE

06-06-2022	Introduction of AI Overview and Data Analytics and Importance of AI&DA
	<b>Resource person:</b> <b>Mrs. A. Satya Swaroopa</b>
07-06-2022	Semantic analysis and polarity classification using clause patterns
	<b>Resource person:</b> <b>Dr. Prasanna MSM</b>
08-06-2022	Engineering aspects of machine learning
	<b>Resource person:</b> <b>Dr. B.Janaki Ramaiah</b>
09-06-2022	Analytics using R
	<b>Resource person:</b> <b>Dr.K. Sridevi</b>
10-06-2022	Clustering algorithms
	<b>Resource person:</b> <b>Mrs.Y.Divya Vani</b>
11-06-2022	Latest advancements in artificial intelligence
	<b>Resource person:</b> <b>Dr.G.Kalyani</b>

## FOR FURTHER DETAILS

**Dr.A.C.P.Ranjani**

HoD, CSE.

Number: 9848504927

Mail ID: [acpranjani@gmail.com](mailto:acpranjani@gmail.com)

**Mrs.J.Hymavathi**

Asst.Professor, Department of CSE .

Phone Number: 9652777444

E-Mail ID: [janaswamihymavathi@gmail.com](mailto:janaswamihymavathi@gmail.com)





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: vijayatechfw@gmail.com Website: www.vitw.edu.in

College Code: NP, Enikepadu, Vijayawada-521108

## PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	<b>“ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS”</b>
<b>Event Start Date</b>	06-06-2022
<b>Event End Date</b>	11-06-2022
<b>Duration</b>	One week
<b>No. of Participants</b>	67
<b>Resource Persons</b>	<b>1. Mrs. A. Satya Swaroopa</b> Director, Engineering at Anthem Inc, USA <b>2. Dr. Prasanna MSM</b> Architect, Ad2pro Technologies, Bangalore <b>3. Dr. B. Janaki Ramaiah</b> Professor, Dept of CSE, PVPSIT <b>4. Dr. K. Sridevi</b> Associate Professor, Dept of CSE, Muffakham Jah College of Engineering & Technology, Hyderabad <b>5. Mrs. Y. Divya Vani</b> Assistant Professor, SVEC, Tadepalligudem <b>6. Dr. G. Kalyani</b> Associate Professor, Dept of IT, VRSEC
<b>Objective</b>	<b>1.</b> Helps the faculty to update and develop curriculum, content and teaching methodologies relevant to AI&DA, ensuring it aligns with industry trends and demands. <b>2.</b> Empowering faculty with practical exposure to AI&DA tools, techniques, real world applications, enabling them to incorporate on experience into teaching. <b>3.</b> Developing expertise and competence in AI&DA with latest advancements aiming to enhance the quality of education in these domains.





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<p><b>Description</b></p>	<p>The Department of Computer Science and Engineering has conducted a one-week online faculty development program on “<b>ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS</b>” from 06-06-2022 to 11-06-2022. The program was aimed to enhance the skills and knowledge of faculty by focusing on teaching, research and technology trends.</p> <p><b>Day1:</b> The resource person explained the introduction of AI Overview and Data Analytics and Importance of AI&amp;DA in education and software industries.</p> <p><b>Day2:</b> The resource person explained the topic Semantic analysis and polarity classification using clause patterns. This made the participants to develop the critical thinking skills, as they learn to interpret and analyze language patterns and sentiments in various contexts.</p> <p><b>Day3:</b> The resource person explained engineering aspects of machine learning. This empowered the faculty to deliver high quality education and align with current industry standards and practices enhancing the employability of graduates.</p> <p><b>Day4:</b> The resource person explained data analytics using R. This equipped faculty with the ability to impart statistical analysis techniques and methodologies to students, preparing them for a strong foundation in data analytics.</p> <p><b>Day5:</b> The resource person trained the participants about clustering algorithms allowing them to explore a diverse range of clustering methods beyond traditional algorithms which are utilized in various real world scenarios giving them exposure to broad spectrum of applications across industries.</p> <p><b>Day6:</b> The resource person trained the participants about latest advancements in artificial intelligence, allowing them to grasp the forefront of the technology and concluded by addressing their queries.</p>
<p><b>Outcome</b></p>	<ol style="list-style-type: none"> <li>1. Enhance their ability to extract valuable insights from large datasets and visualize data effectively.</li> <li>2. Equip our participants with the necessary knowledge and skills to excel in the rapidly evolving fields of AI&amp;DA.</li> <li>3. Gain a comprehensive understanding of AI&amp;DA concepts, techniques and applications and make data-driven decisions.</li> </ol>

*T. Deepa*  
CO-ORDINATOR

*G. Chinn*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521, 108

*A.P. Rayani*  
HoD



## ORGANIZING COMMITTEE MEMBERS

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Chairman, SRK Foundation

### PATRON

**Sri B.S.KRISHNA**  
Secretary, SRK Foundation

### CONVENER

**Dr G.CHENCHAMMA**  
Principal

### CO-CONVENER

**Mrs. Y.VIJAYA**  
Head of the Department,  
Information Technology

### FDP CO-ORDINATOR

**Mr. CH. PHANI KANTH**  
Assistant Professor, Department of IT

### How to Apply:

The participants can fill-up the Registration form and send the scanned copy to the Email.id:

[vitwdept9@gmail.com](mailto:vitwdept9@gmail.com)

- Spot Registrations are also allowed on 23<sup>th</sup> May 2022 before 9:00 am

*G.Chm*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108

## REGISTRATION FORM

A One-Week Faculty Development Program  
On

**DATA SCIENCE**

Will be held from  
23<sup>rd</sup> MAY 2022 to 28<sup>th</sup> MAY, 2022

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

Signature of the Participant

A

One-Week

Faculty Development Program

On

**DATA SCIENCE**

Will be held from

23<sup>rd</sup> MAY 2022 to 28<sup>th</sup> MAY, 2022

Is being  
Organized  
By

**Department of  
Information Technology**

# Data Science



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

Affiliated JNTU Kakinada  
Enikepadu, Vijayawada-521108  
Andhra Pradesh, INDIA

[www.vitw.edu.in](http://www.vitw.edu.in)



## ABOUT THE COLLEGE:

The College VITW was founded by Sri Boyapati AppaRao garu in 2008, with the objective of providing excellent learning facility for women to pursue education in Engineering. VITW is affiliated to JNTUK, approved by AICTE, certified by ISO 9001:2015. VITW is only women's engineering college in the heart of Vijayawada city offering engineering undergraduate courses in CSE,ECE,IT and AI&ML, Master in business administration and diploma engineering courses in DCME,DECE,DEEE.VITW has made its presence felt more with academic, discipline, results and the achievements of its students.

## DEPARTMENT OF INFORMATION TECHNOLOGY:

The department has well-qualified, experienced and dynamic faculty who are engaged in breakthrough research across the leading areas of information technology. The Engineer & Society, a part of IT Department produces versatile students encourages them to be employed in exciting careers. On an individual level, it improves programming skills and creates awareness among the recent trends & technologies in the computer field.

## ABOUT THE PROGRAM:

The faculty development program promotes knowledge regarding various computer technologies and explains the significance of the latest new trends. On the whole, the FDP provides an insight into various recent advancements in Computer Science. Data science is the study of data to extract meaningful insights for business. It is a multidisciplinary approach that combines principles and practices from the fields of mathematics, statistics, artificial intelligence, and computer engineering to analyze large amounts of data. This analysis helps data scientists to ask and answer questions like what happened, why it happened, what will happen, and what can be done with the results.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mr. CH. PHANI KANTH

Asst.professor,  
Department of IT  
Contact Number: 9700445556  
Email.ID:[phanikanth.ch@gmail.com](mailto:phanikanth.ch@gmail.com)

### Mr. CH.V.RAO

Assistant Professor,  
Department of IT  
Contact Number: 9032168338  
Email.ID: [chvro89@gmail.com](mailto:chvro89@gmail.com)

## NOTE:

- Registration fee ₹500/-
- Interested Persons are requested to register for the program on or before 22<sup>nd</sup> May 2019
- Attendance and feedback are mandatory to get a certificate.
- Mode of delivery Offline
- Venue at Skills lab, Ground floor, Vijaya institute of technology for women.

## COURSE SCHEDULE:

DATE	TOPICS
23-05-2022	Introduction to Data Science. Resource person: <b>Dr. K. SITA KUMARI</b> Associate Professor, VR Siddhartha Engineering College, Vijayawada.
24/5/2022	Applications of Data Science. Resource person: <b>Dr. T.ANURADHA</b> Professor, VR Siddhartha Engineering College, Vijayawada.
25-05-2022	Data Handling with Python. Resource person: <b>Dr. A. RADHIKA</b> Associate Professor Dept of CSE, SRK Institute of Technology, Vijayawada
26-05-2022	Recent Trends in Data Science. Resource person: <b>Dr.Ch. RAJENDRA BABU</b> Professor, Andhra Loyola Institute of Engineering and Technology, Vijayawada
27-05-2022	Pandas for Data Science. Resource person: <b>Dr. VIJAYA SARADHI</b> Professor, Sreenidhi Institute of Science and Technology
28-05-2022	Data Analytics Resource person: <b>Dr. K.SANDEEP</b> Associate Professor, Dhanekula Institute of Engineering College, Vijayawada





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Date: 31<sup>st</sup> May 2022

### **A one week Faculty Development Program report on "Data Science"**

#### **Objective:**

To create awareness among faculty over data science, its various technologies and applications.

#### **Description:**

From May 23 to May 28, 2022, the Department of Information Technology organized a one-week faculty development workshop on "DATA SCIENCE." The participants in the program encountered an extremely excellent academic environment. Mr. Ch. Phanikanth Assistant Professor from Department of Information Technology greeted the dignitaries. Mrs. Y. Vijaya, Head of the Department, gave the FDP keynote presentation. Dr. G. Chenchamma, Principal, then gave an overview of the program.

#### **Resource Persons:**

**Dr.K. Sita Kumari**

Associate Professor, V.R. Siddhartha Engineering College.

**Dr.T. Anuradha,**

Professor, V.R. Siddhartha Engineering College.

**Dr.A. Radhika**

Associate Professor, SRK Institute of Technology

**Dr. CH. Rajendra Babu**

Professor, Andhra Loyola Institute of Engineering & Technology

**Dr.Vijaya Saradhi**

Professor, Sreenidhi Institute of Science & Technology

**Dr.K.Sandeep**

Associate Professor, Dhanekula Institute of Engineering & Technology

#### **FDP Coordinator:**

**Mr. CH. Phanikanth**

Assistant Professor,

Department of Information Technology





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### Topics covered during the program:

#### Day 1: Introduction to Data Science

Introduction to data science uses of scientific methods, Processes, algorithms and applications of knowledge in data across a broad range of applications domains.

#### Day 2: Applications of Data Science

Which involves extracting some meaningful insights from the raw, structured, unstructured data and their applications.

#### Day 3: Data Handling with Python

Handling the files operations on files and processing the data

#### Day 4: Recent Trends in Data Science

Focused on the trends in Data Science, Analytics and classification analysis.

#### Day 5: Pandas for Data Science

Explained about the Panda library regarding data science in python.

#### Day 6: Data Analytics

Analytics is the systematic computational analysis of statistics and also explain uses of data analytics

### Outcome:

The FDP program enriched the knowledge of faculty over data science, now a day's data science plays pivotal role in the Information technology industry. The program highlighted the importance and relevance of data analytics to solve the problems found by the IT Industry. It also highlighted the current trends in the IT industry. All the participants who have attended the program gained rich insights into the topics.

COORDINATOR

HoD

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**Organizing Committee Members**

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Chairman, SRK Foundation

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**Sri B. Sri Krishna**

Secretary, SRK Foundation

**CONVENOR**

**Dr.G. Chenchamma**

Principal, VITW

**CO-CONVENOR**

**Ms.K.Prasuna**

HoD,,Dept.of ECE  
VITW

**CO-ORDINATOR**

**Mrs. B.Jyothi**

Assistant professor,  
Department of ECE  
VITW

**A One Week Faculty Development Programme  
On**

**“ADVANCED TECHNIQUES IN  
SIGNAL PROCESSING”**

**09/05/2022 to 14/05/2022**

**Registration Form**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Name of the Institute:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**State:** \_\_\_\_\_

**Mobile Number** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee:-400/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: **ecehvitw@gmail.com**

**Spot Registrations are also allowed.**

**A One Week  
Faculty Development Program**

**ON**

**“ADVANCED TECHNIQUES IN  
SIGNAL PROCESSING”**

**Organized by  
Department of  
ELECTRONICS & COMMUNICATION  
ENGINEERING**

**09/05/2022 to 14/05/2022**



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www.vitw.edu.in College Code: NP, Enikepadu,  
Vijayawada-521108**

**PRINCIPAL  
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TECHNOLOGY FOR WOMEN  
VIJAYAWADA**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE, AIML and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department.

The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

The objective of an FDP (Faculty Development Program) on "Advanced Techniques in Signal Processing" typically aims to provide educators and researchers with specialized knowledge and skills in the field of signal processing. The specific objectives of such a program may include Enhancing Expertise, Current Trends, Research and Innovation, Pedagogical Enhancement etc.,

Encourage participants to publish research papers, patents, or other scholarly works in the field of signal processing, thereby contributing to the academic and industrial communities. Create a platform for participants to network with experts, researchers, and peers in the field, facilitating collaboration and knowledge exchange. Instill a sense of lifelong learning and self-improvement by motivating participants to continue exploring signal processing advancements even after the program concludes.

## SCHEDULE:

09/05/2022	<b>TOPIC:</b> Fundamentals of Signal Processing
	<b>Resource person:</b> Dr.Ravindra Dhuli
10/05/2022	<b>TOPIC:</b> Signal Processing Tools and Software
	<b>Resource person:</b> Dr.G.Chenamma
11/05/2022	<b>TOPIC:</b> Advanced Filtering Techniques
	<b>Resource person:</b> Dr.Sunny Dayal
12/05/2022	<b>TOPIC:</b> Signal Processing for Image and Video, Speech and Audio Signal Processing
	<b>Resource person:</b> Dr.V.Anil kumar
13/05/2022	<b>TOPIC:</b> Project Work and Case Studies
	<b>Resource person:</b> Dr.S.Srinivas kumar
14/05/2022	<b>TOPIC:</b> Research Methodology and Publication
	<b>Resource person:</b> Dr.B.Yagnanarayana

## FOR FURTHER DETAILS:

Ms.K.Prasuna  
HoD, Dept. of ECE  
Phone Number: 8008842308  
Mail ID: [cehvitrw@gmail.com](mailto:cehvitrw@gmail.com)

Mrs. B.Jyothi,  
Assistant professor,  
Phone Number: 9000399933  
Mail ID: [ivyothibvitw12@gmail.com](mailto:ivyothibvitw12@gmail.com)





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### Program Report

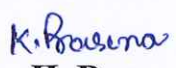
Date: 16-05-2022


<b>Title Of The Event:</b>	A one Week FDP on “ADVANCED TECHNIQUES IN SIGNAL PROCESSING”
<b>Resource Persons:</b>	1.Dr.Ravindra Dhuli,Dean-Academic research,VIT-AP University 2.Dr.G.Chenchamma,Principal&Professor,VITW 3.Dr.Sunny Dayal,Associate Professor,VIT-AP University 4.Dr.V.Anil kumar, Associate Professor,IIIT,Hyderabad 5.Dr.S.Srinivas kumar,professor,JNTU Kakinada 6.Dr.B.Yagnanarayana, professor, IIT,Hyderabad
<b>Duration:</b>	09-05-2022 to 14-05-2022
<b>No Of Participants:</b>	24
<b>Description:</b>	<p>Ms.K.Prasuna, HOD of ECE welcomed all the respected dignitaries and participants and emphasized the benefits of such kind of resourceful activity. Dr. G.Chenchamma principal appreciated the program organized by ECE dept. and encouraged for such activities.Then the session was handovered to the resource persons.</p> <ul style="list-style-type: none"><li>• Dr.Ravindra Dhuli,Dean-Academic research,VIT-AP University has delivered key note address on “Fundamentals of Signal Processing”. In this session participants were learned different types of signals and different techniques to recognize signals.</li><li>• Dr.Sunny Dayal,Associate Professor,VIT-AP University has delivered a lecture on “Advanced Filtering Techniques”.</li><li>• Dr.G.Chenchamma,Principal&amp;Professor,VITW has delivered a lecture on Signal Processing Tools and Software. At first participants were trained with MATLAB commands and then</li></ul>



	<p>MATLAB code with typical examples of mathematics, communication and signal processing.</p> <ul style="list-style-type: none"> <li>• Dr.V.Anil kumar, Associate Professor,IIT,Hyderabad has focused on time series and significance of it in wavelet transform which is used in ECG signal analysis. In this session participants were familiar with the philosophy behind this mathematical illustration.</li> <li>• Dr.S.Srinivas kumar,professor,JNTU Kakinada a has explained “Image Processing”. In this session participants were learned the need of digital image, image acquisition, different techniques of image enhancement, image restoration, image compression, wavelet transform, image segmentation.</li> <li>• Dr.B.Yagnanarayana, professor, IIT,Hyderabad has explained how this useful for Project Work ,Research Methodology and Publications.</li> </ul>
<b>Objective:</b>	<ul style="list-style-type: none"> <li>• The major focus of the FDP is on upgrading the teaching, training, and research skills for the development of faculty members. It intends to provide opportunities for faculty members to renew their intellectual vitality and further their professional growth. The Programme also aims at equipping teachers with skills and knowledge in the field of communication, signal processing and image processing that are essential for inculcating learning values in students and guiding and monitoring their progress towards their career.</li> </ul>
<b>Outcomes:</b>	<ul style="list-style-type: none"> <li>• The discussed topics are very useful for the participants. All the sessions were very much interactive. Participants got the knowledge of most widely used advance technologies in this domain that is helpful for research activity.</li> </ul>

  
CO-ORDINATOR

  
HoD

  
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**CONVENER**  
**Dr. CH. CHENCHAMMA**  
Principal

**CO-CONVENER**  
**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of  
BUSINESS ADMINISTRATION

**CO-ORDINATOR**  
**Ms. K. SAI SOWJANYA**  
Assistant Professor,  
Department of  
BUSINESS ADMINISTRATION

A Five Day  
State Level Training Programme  
On

**“HOW TO ADOPT THE BEST PRACTICES  
AND IMPROVE PRODUCTIVITY IN  
DELIVERING SEAMLESS SERVICE TO  
STUDENTS”**  
09/05/2022 to 13/05/2022  
Registration Form

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

Category: Academic/Industry/Others

Signature of Participant

**Registration Fee: Rs. 350/-**

**How to Apply:** The Participants can Fill-up  
the Registration form and send the scanned  
copy to the mail-id:  
**vijayamba08@gmail.com**

*Spot Registrations are also allowed.*

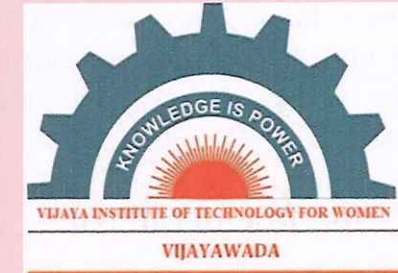
A Five Day  
State Level Training Program

ON

**HOW TO ADOPT THE BEST  
PRACTICES AND IMPROVE  
PRODUCTIVITY IN DELIVERING  
SEAMLESS SERVICE TO STUDENTS**

Organized by  
Department of  
BUSINESS ADMINISTRATION

09/05/2022 to 13/05/2022



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## ABOUT THE COLLEGE

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## ABOUT MBA DEPARTMENT

The department was established in the year 2009 and offers 2 year full time Master of Business Administration (MBA) program with the approval of AICTE, and affiliated to JNTUK. We at the Department instill aptitude to think logically and act rationally. Faculty members at MBA promote knowledge through teaching, research and training. Various tools are used to enable students to become Managers, Leaders and Entrepreneurs.

Along with the Teaching Faculty, Non-Teaching Faculty also plays an equal and important role in attaining the Vision and Mission of College. So this Faculty Development Program is aimed to improve the productivity of Non-Teaching Faculty

### OBJECTIVES OF FDP:

- To understand various methods available in increasing the productivity.
- To impart various best practices available for Non-Teaching Faculty
- To enable to have access to the available Practices.
- To prepare Non-Teaching Faculty for various roles and increase their efficiency.
- To equip Non-Teaching Faculty with methods and training techniques so that they can deliver seamless services to students.

### SCHEDULE:

09/05/2022 TO 10/05/2022	TOPIC: Introduction about FDP, advantages, importance and challenges.  Resource person: <b>Dr. P. SUBBAIAH</b>
11/05/2022 TO 12/05/2022	TOPIC: How to use Technology to provide services faster and more effectively.  Resource person: <b>Sri. D. VENKATA SUBBA RAO</b>
13/05/2022	TOPIC: Techniques for Librarians and Exam Cell to give maximum output  Resource person: <b>Dr. O. SESHIAH</b>

### FOR FURTHER DETAILS:

**Dr. P. SUBBAIAH**  
Professor & Head  
Department of BUSINESS ADMINISTRATION  
7674002244  
[drpsubbaiah@gmail.com](mailto:drpsubbaiah@gmail.com)

**Ms. K. SAI SOWJANYA**  
Assistant Professor,  
Department of BUSINESS ADMINISTRATION  
9490628694  
[saisowjanya.kollipara@gmail.com](mailto:saisowjanya.kollipara@gmail.com)





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College Code: NP, Enikepadu, Vijayawada-521108

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**REPORT ON**  
**A 5 DAY STATE LEVEL TRAINING PROGRAM**  
**ON**  
**“HOW TO ADOPT THE BEST PRACTICES AND IMPROVE**  
**PRODUCTIVITY IN DELIVERING SEAMLESS SERVICE TO STUDENTS”**

Date: 16<sup>th</sup> May 2022.

- Title of the FDP** : A 5 Day State Level Training Program on “HOW TO ADOPT THE BEST PRACTICES AND IMPROVE PRODUCTIVITY IN DELIVERING SEAMLESS SERVICE TO STUDENTS”
- Resource Persons** : 1. **Dr. P. Subbaiah**, Professor, HoD of Department of Business Administration, VITW, Vijayawada.  
2. **Sri. D. Venkata Subba Rao**, Controller of Examinations, SRKIT, Vijayawada.  
3. **Dr. O. Seshiah**, Librarian, PBR Visvodaya Institute of Technology and Science, Kavali.
- Duration of the FDP** : 09/05/2022 to 13/05/2022
- No of Participants** : 21
- Mode of Delivery** : Hybrid
- Description** : The Faculty Development Program started with an inaugural session on 09<sup>th</sup> May, 2022 in the presence of the resource person **Dr. P. SUBBAIAH**, Professor, Department of Business Administration, in the august presence of **Dr. G. CHENCHEMMA**, Principal admist faculty members.

**Objective of FDP:**

- To understand various methods available in increasing the productivity.
- To impart various best practices available for Non-Teaching Faculty
- To enable to have access to the available Practices.
- To prepare Non-Teaching Faculty for various roles and increase their efficiency.
- To equip Non-Teaching Faculty with methods and training techniques so that they can deliver seamless services to students.





## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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**Outcome of FDP** : After attending the Faculty Development Program, the participants will have knowledge on

- How to use technology for providing better and faster services to Students,
- How to act on time,
- Smart work rather than hard work,
- Techniques to complete the assigned work faster.

*K. Sai Sujanya*

**Co – Ordinator**

*[Signature]*  
**HoD**

*G. Um*  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521.108**



**Organizing Committee Members**

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Secretary, SRK Foundation

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**Dr. G. Chenchamma**  
Principal, VITW

**CO-ORDINATOR**

**Mrs.K.Rajarajeswari**  
Assistant professor,  
Department of ECE  
VITW

**RESOURCE PERSON**

**Dr.K.Pradeep,**  
Managing Director of Apply Volt.Vijayawada.

**A One Week Faculty Development Programme  
On**

**“VLSI DESIGN BY XILINX EDA TOOLS”**

**27/04/2022 to 05/05/2022**

**Registration Form**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Name of the Institute:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**State:** \_\_\_\_\_

**Mobile Number** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration fee:-250/-**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: **[ecchvitw@gmail.com](mailto:ecchvitw@gmail.com)**

**Spot Registrations are also allowed.**

**A Five Day  
Faculty Development Program**

**ON**

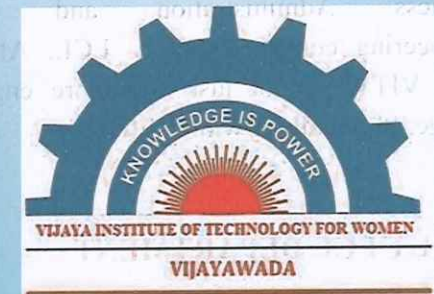
**“VLSI DESIGN BY XILINX EDA TOOLS”**

**Organized by**

**Department of**

**ELECTRONICS & COMMUNICATION  
ENGINEERING**

**27/04/2022 to 05/05/2022**



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**PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE, AIML and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

Equip faculty members with advanced skills in VLSI design using Xilinx EDA tools, enabling them to stay updated with the latest technologies and methodologies. Integrate VLSI design concepts and Xilinx EDA tools into the academic curriculum, ensuring that students receive relevant and up-to-date education in this field. Provide faculty members with practical, hands-on experience in using Xilinx EDA tools for VLSI design, enabling them to effectively teach and mentor students in the application of these tools.

Encourage faculty members to engage in research projects related to VLSI design using Xilinx tools, fostering innovation and contributing to advancements in the field. Facilitate collaboration among faculty members, industry experts, and researchers in the field of VLSI design, creating a network for knowledge exchange and collaborative projects. Develop effective methods for evaluating student performance in VLSI design courses, aligning assessments with industry expectations and standards. Instil a culture of continuous learning among faculty members, encouraging them to attend workshops, conferences, and training programs to stay updated with the latest developments in VLSI design and Xilinx EDA tools.

## SCHEDULE:

By the RESOURCE PERSON

**Dr.K.Pradeep**

27/04/2022	<b>TOPIC:</b> Introduction to VLSI Design Xilinx EDA Tools Overview
28/04/2022	<b>TOPIC:</b> FPGA Architecture and Design Flow VHDL/Verilog Programming for Xilinx
30/04/2022	<b>TOPIC:</b> Introduction to Xilinx Vivado HLS
02/05/2022	<b>TOPIC:</b> Logic Synthesis and Optimization
04/05/2022	<b>TOPIC:</b> Advanced Xilinx Tool Features
05/05/2022	<b>TOPIC:</b> Interactive Workshops and Q&A Sessions

## FOR FURTHER DETAILS:

**Ms.K.Prasuna**

HoD, Dept. of ECE

Phone Number: 8008842308

Mail ID: [eechvitw@gmail.com](mailto:eechvitw@gmail.com)

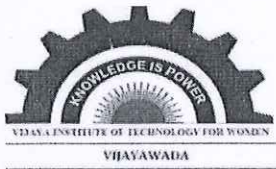
**Mrs. K.Raja Rajeswari,**

Assistant professor,

Phone Number: 984944143

Mail ID : [rajarajeswarikvt5@gmail.com](mailto:rajarajeswarikvt5@gmail.com)





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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## Program Report

Date: 07-05-2022

<b>Title Of The Event:</b>	A one Week FDP on “VLSI DESIGN BY XILINX EDA TOOLS”
<b>Resource Person Name:</b>	Dr.K.Pradeep, Managing Director of Apply Volt., Vijayawada.
<b>Duration:</b>	27-04-2022 to 05-05-2022
<b>No Of Participants:</b>	19
<b>Description:</b>	<p>The opening remarks for the FDP was given by Ms.K.Prasuna, Head of the ECE Department. The brief introduction about the program was given by Dr.G.Chenchamma Garu, Principal and the session is handovered to the resource person Dr. K.Pradeep.</p> <p>He explained the importance of VLSI DESIGN. The VLSI design ecosystem is vast and diverse, with a wide range of tools and solutions available for FPGA, ASIC, and open-source EDA tool development.</p> <p>EDA tools are a suite of electronic design automation software designed to help integrated circuit design engineers, hardware engineers and layout engineers, design and develop electronics circuits at a nanoscopic scale.</p> <p>The following topics covered by the resource person:</p> <ul style="list-style-type: none"> <li>• Latest trends in VLSI design</li> <li>• Introduction to various tools used in VLSI-Cadence virtuoso, Synopsis Mentor Graphics Xilinx, Tanner,</li> <li>• Electric Architectural design such as CLK, RST, DATA_IN, DATA_OUT</li> </ul>
<b>Objective:</b>	<ul style="list-style-type: none"> <li>• Providing a clear &amp; thorough understanding on fundamental and application areas of VLSI Design.</li> <li>• Providing an in-depth knowledge in use of various tools used in VLSI Design.</li> <li>• Providing example of architectural design such as CLK, RST etc.</li> <li>• Hands on experience on EDA Tools.</li> </ul>



<b>Outcomes:</b>	<ul style="list-style-type: none"><li>• Opens new avenues for faculty members to pursue research in VLSI Design and Implementation.</li><li>• Detailed knowledge of various tools of VLSI Design.</li><li>• Importance of VLSI Design and Implementation in today's trends of life.</li></ul>
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*K. Prasanna*  
CO-ORDINATOR

*G. Chinn*  
PRINCIPAL -  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKERAPU, VIJAYAWADA-521,108

*K. Prasanna*  
HoD



Organizing Committee Members

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SRK Foundation

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**Sri. B. Sri Krishna**  
Secretary,  
SRK Foundation

**CONVENER**  
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Principal

**CO-CONVENER**  
**Dr.A.C.P.Ranjani**  
Professor & Head,  
Department of CSE

**CO-ORDINATOR**  
**Mrs. J.Hymavathi**  
Asst. Professor,  
Department of CSE

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA-521 108.

**A One Week Faculty Development Program**

**On**

**"RECENT ADVANCEMENT IN  
COMPUTER SCIENCE "**

**25-04-2022 to 30-04-2022**

**Registration Form**

Name:

Designation :

Department :

Name of the Institute :

Address:

State:

Mobile Number :

E-mail: :

Category: Academic/Industry/Others

**Signature of Participant**

**Registration Fee Rs: 300 /- Only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the

mail-id: [janaswamihymavathi@gmail.com](mailto:janaswamihymavathi@gmail.com)

**Spot Registrations are also allowed.**

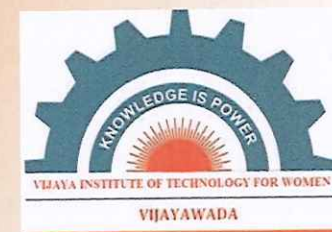
**A ONE WEEK  
FACULTY DEVELOPMENT PROGRAM  
ON**

**"RECENT ADVANCEMENT IN  
COMPUTER SCIENCE "**

**Organized  
By**

**Department of Computer Science and  
Engineering**

**25-04-2022 to 30-04-2022**



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Enikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
[www.vitw.edu.in](http://www.vitw.edu.in)**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) was established by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT, CSE AI&ML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It is a college with a difference.

## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

This program on recent advancements in computer science aims to enhance the knowledge, skills, and teaching methodologies of faculty members in the field. The specific objectives may vary based on the program's scope and goals, but here are some common objectives.

Ensure faculty members are aware of the latest developments, trends, and innovations in computer science. Provide exposure to emerging technologies, tools, and methodologies.

AI aims to automate tasks that traditionally require human intelligence, improving efficiency and reducing human involvement in repetitive, mundane tasks.

AI can predict future outcomes and trends by analyzing historical data, helping in decision-making and planning.

## SCHEDULE

25-04-2022	Brief introduction to recent advancement in computer science <b>Resource person:</b> <b>Mr. K. Sudhakar</b>
26-04-2022	Fundamentals of AI & Machine Learning. <b>Resource person:</b> <b>Dr. N. Venkateswar Rao</b>
27-04-2022	Implementation of advanced automation systems. <b>Resource person:</b> <b>Dr. M. Venkatadri</b>
28-04-2022	Architecture of neural networks, including neurons and weights. <b>Resource person:</b> <b>Dr. V. Suma Avani</b>
29-04-2022	Fundamental concepts of linguistics, syntax, semantics, and pragmatics <b>Resource person:</b> <b>Dr. M. Mary Sujatha</b>
30-04-2022	AI and ML, such as deep learning, reinforcement learning. <b>Resource person:</b> <b>Dr.G.Lalitha kumari</b>

## FOR FURTHER DETAILS

**Dr.A.C.P.Ranjani**

HoD, CSE.

Number: 9848504927

Mail ID: [acpranjani@gmail.com](mailto:acpranjani@gmail.com)

**Mrs. J.Hymavathi**

Asst.professor, Department of CSE

Phone Number: 9652777444

Mail ID: [janaswamihymavathi@gmail.com](mailto:janaswamihymavathi@gmail.com)





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College Code: NP, Enikepadu, Vijayawada-521108

## PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	“RECENT ADVANCEMENT IN COMPUTER SCIENCE”
<b>Event Start Date</b>	25-04-2022
<b>Event End Date</b>	30-04-2022
<b>Duration</b>	One week
<b>No.of Participants</b>	35
<b>Resource Persons</b>	<b>1.Mr. K. Sudhakar</b> Associate Professor, PSCMR College of Engineering and Technology <b>2.Dr. N. Venkateswar Rao</b> Professor, Department of Computer Science and Engineering (AI & ML), RVR & JC College of Engineering <b>3.Dr. M. Venkatadri</b> Professor and HOD Dept of CSE, Amity school of Engineering and Technology, Gwalior <b>4.Dr. V. Suma Avani</b> Associate Professor, Dept. of CSE, VITW <b>5.Dr. M. Mary Sujatha</b> Assistant Professor, Department of Computer Science, National Sanskrit University, Tirupati. <b>6.Dr.G.Lalitha kumari</b> Senior Assistant Professor, Dept. of CSE, PVP Siddhartha Engineering College
<b>Objective</b>	This FDP on Recent Advancements in Computer Science aims to provide knowledge and skills needed for teachers to cater and present today’s learners and their learning styles. It provides a platform to learn the advanced technology needed for the design and development of digital resource for teaching and learning.





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<b>Description</b>	<p>The Department of Computer Science and Engineering has conducted a one-week faculty development program on “<b>RECENT ADVANCEMENT IN COMPUTER SCIENCE</b>” from 25-04-2022 to 30-04-2022. The program was aimed to enhance the skills and knowledge of faculty by focusing on teaching, research and technology trends.</p> <p><b>Day 1:</b> The resource person gave an brief introduction to recent advancement in computer science. Overview of the current landscape of computer science advancements digital technologies that are into industrial processes is discussed.</p> <p><b>Day 2:</b> The resource person made faculty understand about the fundamentals of AI &amp; Machine Learning. Case studies showcasing the applications of different domains in AI and ML.</p> <p><b>Day 3:</b> The resource person taught our faculty about acquiring skills in robotics, individuals can contribute to the development and implementation of advanced automation systems, leading to increased efficiency, productivity, and safety.</p> <p><b>Day 4:</b> The resource person explained about fundamental concepts, architecture, and components of neural networks, including neurons, layers, activation functions, and weights.</p> <p><b>Day 5:</b> The resource person gave an clear explanation of the fundamental concepts of linguistics, syntax, semantics, and pragmatics is crucial for building effective NLP models.</p> <p><b>Day 6 :</b> The resource person gave lessons to our faculty about the recent breakthroughs in AI and ML, such as deep learning, reinforcement learning, and natural language processing.</p>
<b>Outcome</b>	<p>In this FDP, the session is worthy learning and is very enlightening. By learning these topics, faculty can develop a solid foundation in recent advancement in computer science and apply this knowledge to various domains. By gaining knowledge in these areas where faculty can better understand the opportunities and challenges.</p>

  
CO-ORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA-521108

  
HoD



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**Ms.K.Prasuna**  
HoD,,Dept.of ECE  
VITW

**CO-ORDINATOR**  
**Mrs. K.Raja Rajeswari**  
Assistant professor,  
Department of ECE  
VITW

**A One Week Faculty Development Programme  
On**

**“EMERGING TRENDS IN NEW AGE  
TECHNOLOGIES”**

**18/04/2022 to 23/04/2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

Category: Academic/Industry/Other

**Signature of Participant**

**Registration Fee:-350/- only**

**How to Apply:**

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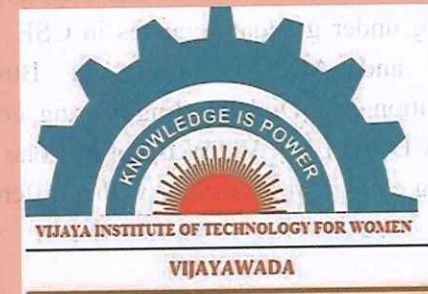
*Spot Registrations are also allowed.*

**A One Week  
Faculty Development Program**

**ON  
“EMERGING TRENDS IN NEW AGE  
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**Organized by  
Department of ECE**

**18/04/2022 to 23/04/2022**



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## OBJECTIVES OF FDP:

To provide participants with a comprehensive understanding of the latest and most impactful emerging technologies across various domains, such as information technology, biotechnology, artificial intelligence, block chain, nanotechnology, and more. Provide practical, hands-on experience with relevant tools and software for working with emerging technologies, enabling participants to experiment and gain confidence in their use. Equip participants with effective teaching methodologies, resources, and curriculum development strategies related to emerging technologies, ensuring they can effectively convey this knowledge to their students. Explore global trends and innovations in emerging technologies, helping participants understand the international landscape and adapt their approaches accordingly. Ensure that the content of the program is aligned with the current and future needs of industries and businesses, preparing educators to train students for jobs in technology-related fields.

## SCHEDULE:

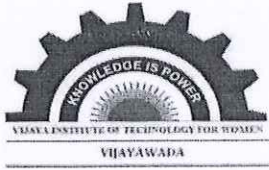
18/04/2022	<b>TOPIC:</b> Cybersecurity and Data Privacy
	<b>Resource person:</b> Dr.G.Aloy Anjula Mary
19/04/2022	<b>TOPIC:</b> Blockchain Technology
	<b>Resource person:</b> Dr.ArunmozhiSelvi,
20/04/2022	<b>TOPIC: :</b> Internet of Things (IoT):
	<b>Resource person:</b> Dr.B.Satyasri
21/04/2022	<b>TOPIC:</b> Augmented and Virtual Reality (AR/VR):
	<b>Resource person:</b> Dr.P.Dhana Lakshmi
22/04/2022	<b>TOPIC:</b> Green Technologies and Sustainability 5G and Next-Generation Telecommunications
	<b>Resource person:</b> Dr.S.Sri Gowri
23/04/2022	<b>TOPIC:</b> Artificial Intelligence and Machine Learning (AI/ML)
	<b>Resource person:</b> Dr.K.Murali

## FOR FURTHER DETAILS:

**Ms.K.Prasuna**  
**HoD, Dept. of ECE**  
**Phone Number: 8008842308**  
**Mail ID: [ecehvitw@gmail.com](mailto:ecehvitw@gmail.com)**

**Mrs. K.Raja Rajeswari,**  
**Assistant professor,**  
**Phone Number: 984944143**





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### Program Report

Date: 23-04-2022

<b>Title Of The Event:</b>	A one Week FDP on “EMERGING TRENDS IN NEW AGE TECHNOLOGIES”
<b>Resource Person Name:</b>	Dr.G.Aloy Anjula Mary, professor,VEL TECH university Dr.ArunmozhiSelvi, Associate professor,Zambia Dr.B.Satyasri, Associate professor, VEL TECH university Dr.P.Dhana Lakshmi, Associate Professor, ANU Dr.S.Sri Gowri, professor&HoD,SRKIT Dr.K.Murali, professor, VITW
<b>Duration:</b>	18-04-2022 to 23-04-2022
<b>No Of Participants:</b>	27
<b>Description:</b>	<p>Ms.K.Prasuna, HOD of ECE welcomed all the respected dignitaries and participants and emphasized the benefits of such kind of resourceful activity. Dr. G.Chenchamma principal appreciated the program organized by ECE dept. and encouraged for such activities. Then the session was handovered to the resource persons.</p> <p>THE BELOW TOPICS COVERED BY THE RESOURCE PERSONS</p> <ul style="list-style-type: none"><li>• Cyber security and Data Privacy</li><li>• Blockchain Technology</li><li>• Internet of Things (IoT)</li><li>• Augmented and Virtual Reality (AR/VR)</li><li>• Green Technologies and Sustainability</li><li>• 5G and Next-Generation Telecommunications</li><li>• Artificial Intelligence and Machine Learning (AI/ML)</li></ul>



<b>Objective:</b>	<ul style="list-style-type: none"><li>• Foster a collaborative environment among faculty members for sharing ideas, resources, and best practices related to new-age technologies.</li><li>• Encourage collaborative research projects focusing on the practical applications of these technologies.</li></ul>
<b>Outcomes:</b>	<ul style="list-style-type: none"><li>• Participants are prepared for future developments in technology, enabling them to adapt and integrate emerging technologies as they continue to evolve.</li><li>• Faculty members gain confidence in their ability to navigate and use new-age technologies, leading to increased motivation and enthusiasm in their roles as educators.</li></ul>

*K. Raja Dejeswari*  
Co-Ordinator

*G. Chm*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521.108

*K. Prasanna*  
HoD



## ORGANIZING COMMITTEE MEMBERS

### CHIEF PATRON

**Sri B.S.APPARAO**

Chairman, SRK Foundation

### PATRON

**Sri B.S.KRISHNA**

Secretary, SRK Foundation

### CONVENER

**Dr G.CHENCHAMMA**

Principal

### CO-CONVENER

**Mrs. Y.VIJAYA**

Head of the Department,  
Information Technology

### FDP CO-ORDINATOR

**Mr. CH.V.RAO**

Assistant Professor,  
Department of Information Technology

### How to Apply:

The participants can fill-up the Registration form and send the scanned copy to the email.id:

[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- Spot Registrations are also allowed on 18<sup>th</sup> April 2022 before 9:00 am

## REGISTRATION FORM

A One-Week Faculty Development Program  
On

### RESEARCH TRENDS IN COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Will be held from  
18<sup>th</sup> April 2022 to 23<sup>rd</sup> April 2022

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature of the Participant

*G-Chamma*  
PRINCIPAL

VIJAYA INSTITUTE OF

TECHNOLOGY FOR WOMEN

A

*One-Week*

*Faculty Development Program*

On

### RESEARCH TRENDS IN COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Will be held from  
18<sup>th</sup> April 2022 to 23<sup>rd</sup> April 2022

Is being organized  
By

*Department of  
Information Technology*



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

Affiliated JNTU Kakinada  
Enikepadu, Vijayawada-521108  
Andhra Pradesh, INDIA

[www.vitw.edu.in](http://www.vitw.edu.in)



## ABOUT THE COLLEGE:

The College VITW was founded by Sri Boyapati AppaRao garu in 2008, with the objective of providing excellent learning facility for women to pursue education in Engineering. VITW is affiliated to JNTUK, approved by AICTE, certified by ISO 9001:2015. VITW is only women's engineering college in the heart of Vijayawada city offering engineering undergraduate courses in CSE,ECE,IT and AI&ML, Master in business administration and diploma engineering courses in DCME,DECE,DEEE.VITW has made its presence felt more with academic, discipline, results and the achievements of its students.

## DEPARTMENT OF INFORMATION TECHNOLOGY:

The department has well-qualified, experienced and dynamic faculty who are engaged in breakthrough research across the leading areas of information technology. The Engineer & Society, a part of IT Department produces versatile students encourages them to be employed in exciting careers. On an individual level, it improves programming skills and creates awareness among the recent trends & technologies in the computer field.

## ABOUT THE PROGRAM:

The faculty development program promotes knowledge regarding various computer science & information technologies and explains the significance of the latest new trends. On the whole, the FDP provides an insight into various recent advancements.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mr. CH.V.Rao

Assistant professor,  
Department of Information Technology  
Contact Number: 9032168338  
Email.ID:[chvro89@gmail.com](mailto:chvro89@gmail.com)

### Mr. CH. PHANI KANTH

Assistant Professor,  
Department of Information Technology  
Contact Number: 9700445556  
Email.ID:[phanikanth.ch@gmail.com](mailto:phanikanth.ch@gmail.com)

## NOTE:

- Registration fee ₹400/-
- Interested Persons are requested to register for the program on or before 17<sup>th</sup> April 2022
- Attendance and feedback are mandatory to get a certificate.
- Mode of delivery Online
- Venue at Skills lab, Ground floor, Vijaya institute of technology for women.

## COURSE SCHEDULE:

DATE	TOPICS
18/04/2022	Deep Learning For Real Time Applications.
19/04/2022	
Resource person: <b>Dr.Ch. V. PHANI KRISHNA</b> Head of the Department, Computer Science and Engineering, TKR Engineering College, Hyderabad	
20/04/2022	Cyber Security And Cryptography.
Resource person: <b>Dr. V. PAVAN KUMAR</b> Associate Professor, Department of IT, Sri Vishnu Engineering College For Women, Bhimavaram	
21/04/2022	How to Write Good Research Paper.
Resource person: <b>Dr.S. GOWRI</b> Head of the Department, Electronics and Communication Engineering, SRK Institute of Technology, Vijayawada	
22/04/2022	Application Development Main Frames and Various Business Domains.
Resource person: <b>Dr. A. SRI LAKSHMI</b> System Architect, Tata Consultancy Services, Hyderabad	
23/04/2022	Software Test Automation
Resource person: <b>M. MADHURIMA PRIYADARSHINI</b> Associate Director, Union Bank of Switzerland Business Solutions India Private.Ltd, Qatar and United Arab Emirates.	





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

Date: 25<sup>th</sup> April 2022

## A one week Faculty Development Program report on “Research Trends in Computer Science and Information Technology”

### Objective:

To provide awareness among faculty over various research trends in the field of computer science and information technology.

### Description:

The department of Information Technology organized a one-week faculty development program on “RESEARCH TRENDS IN COMPUTER SCIENCE & INFORMATION TECHNOLOGY” from 18<sup>th</sup> April 2022 to 23<sup>th</sup> April 2022. A very beneficial academic environment was experienced by the participants during the program. The dignitaries were welcomed by Mr. Ch. Phanikanth Assistant Professor, Department of Information Technology. The keynote address for the FDP was given by Mrs. Vijaya, Head of the Department followed by an introduction to the program by Dr. G. Chenchamma Principal and then session is handover to the Dr. Ch. V. Phani Krishna.

### Resource Persons:

1. **Dr. CH.V. Phani Krishna**  
Head of the Department, Computer Science and Engineering,  
TKR Engineering College, Hyderabad.
2. **Dr.V. Pavan Kumar**  
Associate Professor, Department of Information Technology,  
Shri Vishnu Engineering College for Women, Bhimavaram.
3. **Dr. S. Sri Gowri**  
Head of the Department, Electronics and Communication Engineering,  
SRK Institute of Technology, Vijayawada.
4. **A.Sri Laxmi**  
System Architect, Tata Consultancy Services.
5. **M. Madhurima Priyadarshini,**  
Associate Director,  
Union Bank of Switzerland Business Solutions India Private.Ltd,  
Qatar and United Arab Emirates





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Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

### FDP Coordinator:

**Mr. CH.V.Rao**

Assistant professor, Department of Information Technology

### Topics covered during the program:

#### Day 1: Deep Learning for Real Time Applications

Introduction to deep learning for real time applications. This is followed by a practical session by presenting the PPT on real time applications, and various types of learning applications.

#### Day 2: Deep Learning for Real Time Applications

Practical session for how to implementation the deep learning in real world scenarios and implementation of the real time applications.

#### Day 3: Cyber Security and Cryptography

Introduction to cyber security and various cryptographic algorithms and its applications are discussed

#### Day 4: How to write Good Research Paper

To covered different topics like Abstract, introduction, existing system, proposed system, algorithms and implementations.

#### Day 5: Application Development in Main Frames and Various Business Domains

Resource person has given detailed explanation of main frame architecture and its applications in various business domains.

#### Day 6: Software test Automation

Getting started with testing tools, Design, programming and frontend and backend tools. This is created more interest in participants and it helped the participants to understand about software testing layout.

### Outcomes:

The FDP program enriched the knowledge of faculty over research trends in computer science and information Technology in an effective manner. The program highlighted the importance of research trends in the IT industry. All the participants who have attended the program gained rich insights into the topics.

- Development of advanced and efficient machine learning algorithms.





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College Code: NP, Enikepadu, Vijayawada-521108

- Integration of AI and machine learning into various applications, including healthcare, finance, and cyber security.
- Advancements in cyber security techniques to counter emerging threats.
- Research on privacy-preserving technologies, especially in the context of data sharing and processing.
- Advancements in HCI for more natural and intuitive user experiences.
- Research on augmented reality (AR) and virtual reality (VR) interfaces.
- Innovations in cloud infrastructure, including server less computing.
- Research on energy-efficient and sustainable cloud computing solutions.
- Developments in robotics for industrial, medical, and domestic applications.
- Research on the ethical and societal implications of autonomous systems.
- Innovations in online learning platforms and educational technologies.
- Research on the impact of technology on teaching and learning outcomes.

**COORDINATOR**

**HoD**

**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521,108**



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Principal

**CO -CONVENER**  
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Vice Principal & Head  
Department of S&H

**CO-ORDINATOR**  
**Mrs. Y. SRILAKSHMI**  
Assistant Professor,  
Department of S&H

**A Three Days Faculty Development  
Programme On**

**"YOGA FOR HARMONY AND  
HEALTH"**

**11/04/2022 to 13/04/2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

*Registration Fee: Rs 200/-*

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

**[yalamanchilli.srilakshmi@gmail.com](mailto:yalamanchilli.srilakshmi@gmail.com)**

*Spot Registrations are also allowed.*

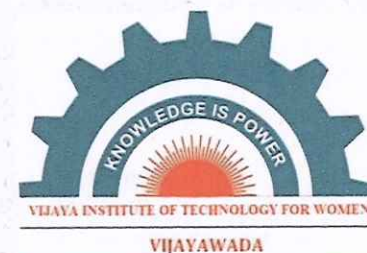
**A Three Days  
Faculty Development Program**

ON

**YOGA FOR HARMONY AND  
HEALTH**

**Organized by Department of S&H**

**11/04/2022 to 13/04/2022**



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

**An ISO 9001:2015 Certified Institution,  
Affiliated to JNTU, Kakinada,  
Enikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
[www.vitw.edu.in](http://www.vitw.edu.in)**

***S. Chm***  
**PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108.**



### ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It's a college with a difference.

### ABOUT S&H DEPARTMENT

The Department of Science and Humanities is a primal department which consists of Chemistry, Physics, Mathematics and English disciplines. All the disciplines in the department exist as a separate division and maintain their identities. The varied disciplines provide the students with the knowledge of Mathematics, Physics, Chemistry, English and Environmental Science fundamentals. Developing moral behaviour among the students, utilizing human resources and coordinating academic responsibilities are exclusive potential of the department. The department accomplishes transforming young aspiring minds into determined fresh women engineers through Outcome Based Education. Besides, the department teaches students a positive ethos through Value-Based Education.

### ABOUT THE YOGA:

Yoga is not religion not an exercise form and certainly not a fashion trend. It is a way of living that aims towards a healthy mind and body. The simple goal of yoga is to help a person rise above his external self and attain enlightenment. Yoga promotes the balanced development of an individual physical, mental and spiritual being.

### OBJECTIVES OF FDP:

Yoga education helps in self-discipline and self-control, leading to immense amount of awareness, concentration and higher level of consciousness. Briefly the aims and objectives of Yoga education are:

- 1) To enable the student to have good health.
- 2) To practice mental hygiene.
- 3) To possess emotional stability.
- 4) To integrate moral values.
- 5) To attain higher level of consciousness.

### SCHEDULE:

11-04-22 to 13-04-22	TOPIC: Yoga Poses
	TOPIC: Aerobics
	TOPIC: Mudras
	TOPIC: Surya Namaskaras
	TOPIC: Meditation
	Resource person: Mrs.Ch. Siva Jyothi

### FOR FURTHER DETAILS:

**Dr. V. Raghava Lakshmi,**

**Vice Principal and HOD of S&H**

**raga\_maths@rediffmail.com**

**9908039661**

**Mrs. Y. Srilakshmi**

**Asst.Professor**

**yalamanchilli.srilakshmi@gmail.com**

**6300705919**





Date: 14<sup>th</sup> April 2022

### **Program Report**

**Program Name:** A Three days Faculty Development Programme on ‘ ‘ Yoga for Harmony and Health’ ’

**Period:** 11-04-2022 to 13-04-2022

**Name of the Resource person:**

1. **Ms. Ch. Siva Jyothi**, Yoga Instructor, VIPW, **Phone Number:** 8374249636,  
**Mail.ID:** [sivajyothi.001@gmail.com](mailto:sivajyothi.001@gmail.com).

**Number of participants: 52**


**Program objective:** This program aims to analyze the need for and importance of yoga for social and global transformation. Yoga works on one’s body, mind and spirit. Therefore, it is known as the global art. If our body, mind and soul are healthy and harmonious, we can bring health and harmony to the society, nation and the globe by being a healthy and harmonious organ of the global body of humanity. Yoga is universal in appeal and applicable to the world humanity irrespective of caste, creed, religion or nation.

**Topics Covered:**


- Yoga Poses
- Aerobics
- Mudras
- Surya Namaskaras
- Meditation



**Program outcome:** This type of yoga practice can be adopted in daily life to maintain good health and also helps in prevention of many psychosomatic disorders where psychological stress is believed to play a role. These practices mainly reduce psycho physiological arousal but also enhance different aspects of attention, such as the ability to sustain; focus and shift attention thereby instills a greater amount relaxation and peace of mind.

  
**Coordinator**

  
**HoD**

  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521,108**



**Organizing Committee Members**

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**Sri B. S. APPA RAO**  
Chairman,  
SRK Foundation

**PATRON**  
**Sri. B. SRI KRISHNA**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. CH. CHENCHAMMA**  
Principal

**CO-CONVENER**  
**Dr. V. RAGHAVA LAKSHMI**  
Vice Principal & Head  
Department of S&H

**CO-ORDINATOR**  
**M. SASI KUMARI,**  
Assistant Professor,  
Department of S&H

**A One week Faculty Development  
Programme On**

**“SOFT SKILLS AND  
PERSONALITY DEVELOPMENT”**

**06/04/2022 to 11/04/2022**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

*Registration Fee: Rs. 200/-*

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

**sasikumari9963@gmail.com**

*Spot Registrations are also allowed.*

**PRINCIPAL**  
**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521 108**

**A One week  
Faculty Development Program  
ON**

**SOFT SKILLS AND PERSONALITY  
DEVELOPMENT**

**Organized by  
Department of Science & Humanities**

**06/04/2022 to 11/04/2022**



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

**An ISO 9001:2015 Certified Institution,  
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Enikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
www.vitw.edu.in**



## ABOUT THE COLLEGE

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## ABOUT THE FDP:

Soft Skills, a buzz word today has attracted the attention of students, professionals and entrepreneurs all over the world. Employability, being the major concern today, every individual aims at getting coveted jobs employability today is commensurate with proving multiple skills in varied situations in a fast changing world. Hence, every one aspiring for jobs today has to prove ones mettle in various situations where one requires to be armed with different skills, which, collectively come under soft skills

## OBJECTIVES OF FDP:

The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfilment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills.

## SCHEDULE:

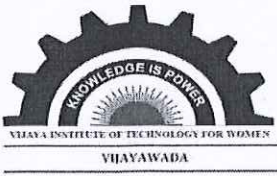
06-04-22 and 08-04-22	<b>Topic:</b> Communication Skills, Work Ethics
	<b>Topic:</b> Leadership Skills, Presentation Skills <b>Resource persons:</b> <b>Mrs. V. Vishnu Vandana Devi</b> <b>Ms. Rakshanda Ruhi khan</b>
07-04-22	<b>Topic:</b> Teamwork, LSRW Skills
	<b>Resource person:</b> <b>Mrs. V. V. Vandana Devi</b> <b>Ms. M. Sasi Kumari</b>
09-04-22	<b>Topic:</b> Time Management, Positive Attitude
	<b>Resource person:</b> <b>Dr. M. Veera Bhadra Rao,</b> <b>Ms. M. Sasi Kumari</b>
10-04-22 to 11-04-22	<b>Topic:</b> Creative Skills, Self - Motivation
	<b>Resource person:</b> <b>Ms. M. Sasi Kumari,</b> <b>Ms. Rakshanda Ruhi khan</b>

## FOR FURTHER DETAILS:

**Dr. V. Raghava Lakshmi**  
Vice Principal & HOD of  
S&H  
7674002244  
raga\_maths@rediffmail.com

**Ms. Sasi Kumari**  
Asst. Professor  
9581209963  
sasikumari9963@  
gmail.com





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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College Code: NP, Enikepadu, Vijayawada-521108

Date: 12<sup>th</sup> April 2022

## Program Report

**Program Name:** One week Faculty Development Programme on ‘‘ Soft Skills and Personality Development ’’

**Period:** 06-04-2022 to 11-04-2022

### **Resource persons:**

1. **Mrs. V. Vishnu Vandana Devi**, Associate professor, VIPW, Vijayawada,  
**Phone Number:** 93986 10547, **Mail. ID:** [vishnuvandana Devi.87@gmail.com](mailto:vishnuvandana Devi.87@gmail.com)
2. **Ms. Rakshanda Ruhi Khan**, Assistant professor, VITW, Vijayawada,  
**Phone Number:** 9701590005, **Mail. ID:** [rakshandaruhikhan@gmail.com](mailto:rakshandaruhikhan@gmail.com).
3. **Ms. M. Sasi Kumari**, Assistant professor, VITW, Vijayawada,  
**Phone Number:** 95812 09963, **Mail. ID:** [sasikumari.1989@gmail.com](mailto:sasikumari.1989@gmail.com)
4. **Dr. M. Veera Bhadra Rao**, Professor, SRKIT, Vijayawada,  
**Phone Number:** 9701590005, **Mail. ID:** [veerabhadrrao.2007@gmail.com](mailto:veerabhadrrao.2007@gmail.com)

**Number of participants: 53**

**Program objective:** The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfilment and supreme joy.



**Topics Covered:**

- Communication Skills
- Leadership Skills
- Team work
- LSRW Skills
- Work Ethics
- Presentation Skills
- Time Management
- Positive Attitude
- Creative Skills
- Self-motivation

**Program outcome:** To know about various aspects of soft skills and learn ways to develop personality 2) understand the importance and type of communication in personal and professional environment. 3) To provide insight into much needed technical and non-technical qualities in career planning.

*Sasi Kumari*  
**Coordinator**

*P. Lakshmi*  
**HoD**

*G. Chinn*

**PRINCIPAL  
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TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521, 108**



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Chairman, SRK Foundation

**PATRON**

**Sri B. Sri Krishna**  
Secretary, SRK Foundation

**CONVENOR**

**Dr. G. Chenchamma**  
Principal, VITW

**CO-ORDINATOR**

**Mrs.S.Spandana**  
Assistant professor,  
VITW

**RESOURCE PERSON**

**Dr.D.Prabhakar**  
Associate Professor,  
Seshadri Rao Gudlavalleru engineering college,  
Vijayawada

**A One Week Faculty Development  
Programme  
On**

**“ANTENNA AND RF DESIGN FOR  
WIRELESS SYSTEMS”**

**20/03/2022 to 25/03/2022**

**Registration Form**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Name of the Institute:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**State:** \_\_\_\_\_

**Mobile Number** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee: 300/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: **[ecehvitr@gmail.com](mailto:ecehvitr@gmail.com)**

***Spot Registrations are also allowed.***

**A Five Day  
Faculty Development Program**

**ON**

**“ANTENNA AND RF DESIGN FOR  
WIRELESS SYSTEMS”**

**Organized by  
Department of  
ELECTRONICS & COMMUNICATION  
ENGINEERING**

**20/03/2022 to 25/03/2022**



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

An ISO 9001:2015 Certified Institute Approved  
by AICTE Affiliated to JNTU, Kakinada, AP  
Phone: 0866-2844444,  
Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website:  
[www.vitw.edu.in](http://www.vitw.edu.in) College Code: NP, Enikepadu,  
Vijayawada-521108



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE, AIML and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department.

The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

To equip educators, researchers, and professionals with specialized knowledge and skills in the field of antenna design and radio frequency (RF) engineering for wireless communication systems. The specific objectives of such a program may include Fundamental Understanding, Advanced Antenna Design, RF Circuit Design, Wireless System Architecture, Antenna Testing and Measurement, Simulation and Modelling Tools etc.. To foster a culture of research and innovation in the field of antenna and RF design, encouraging participants to engage in cutting-edge research projects.

To create opportunities for participants to network with experts, researchers, and peers in the field, facilitating collaboration and knowledge exchange and to publish research papers, patents, or other scholarly works in the field of antenna and RF design.

## SCHEDULE:

By the RESOURCE PERSON  
**Dr.D.Prabhakar**

20/03/2022	TOPIC: Introduction to Antennas and RF Systems
21/03/2022	TOPIC: Antenna Design Principles
22/03/2022	TOPIC: RF Propagation and Link Budget Analysis
23/03/2022	TOPIC: Antenna Arrays and MIMO Technology
24/03/2022	TOPIC: RF Simulation and Modeling Tools
25/03/2022	TOPIC: Hands-on Workshops and Projects

## FOR FURTHER DETAILS:

**Ms.K.Prasuna,**  
HoD, Dept. of ECE.  
Phone Number: 8008842308  
Mail.ID: [ecehvitw@gmail.com](mailto:ecehvitw@gmail.com)

**Mrs.S.Spandana,**  
Assistant professor,  
Department of ECE,  
VITW  
Phone Number: 9000698299,  
Mail.ID: [spandana.suriteti@gmail.com](mailto:spandana.suriteti@gmail.com)





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## Program Report

Date: 25-03-2022

<b>Title Of The Event:</b>	A one Week FDP on “ANTENNA AND RF DESIGN FOR WIRELESS SYSTEMS”
<b>Resource Person Name:</b>	Dr. D. PRABHAKAR , Associate Professor, ECE, Seshadri Rao Gudlavalleru Engineering College, Vijayawada.
<b>Duration:</b>	20-03-2022 to 25-03-2022
<b>No Of Participants:</b>	33
<b>Description:</b>	<p>Ms.K.Prasuna, HOD of ECE welcomed all the respected dignitaries and participants and emphasized the benefits of such kind of resourceful activity. Dr. G.Chenchamma Garu Principal appreciated the program organized by ECE dept. and encouraged for such activities. Then the session was handovered to the resource person Dr.D.Prabhakar.</p> <p><b>Day1:</b>The resource person explained the introduction of antenna and RF design for wireless systems.</p> <p><b>Day2:</b> The resource person had further moved into the topic Antenna Design Principles. This made the participants to gained complete knowledge about this topic.</p> <p><b>Day3:</b> The resource person discussed about the topic RF Propagation and Link Budget Analysis. This is analyzed the Link budget accounts for all gains and losses in the communication link.</p> <p><b>Day4:</b> The resource person gave a clear explanation of Antenna Arrays and MIMO Technology.</p> <p><b>Day5:</b> The resource person trained the participants in RF Simulation and Modeling Tools.</p> <p><b>Day6:</b> The resource person finally moved to Hands-on Workshops and Projects and then concluded.</p>



<b>Objective:</b>	<ul style="list-style-type: none"> <li>The main objective of this Faculty Development Program is to provide an opportunity for engineering faculty to get the exposure and interaction with the field experts, who are involved in the research and development RF Energy harvesting antenna design and various challenges involved for Wireless Body Area Networks (WBANs) supporting healthcare applications contribute at monitoring, diagnostic, or therapeutic levels</li> </ul>
<b>Outcomes:</b>	<ul style="list-style-type: none"> <li>On successful completion of the Programme, the participants will be able to acquire the basic knowledge of RF energy harvesting antenna. Learn the design and development as well as different challenges in utilizing the RF energy harvesting antenna for various applications.</li> </ul>

*S*  
CO-ORDINATOR

*G. Chm*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521.108

*K. Prasanna*  
HoD



**ORGANIZING COMMITTEE**  
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Chairman,  
SRK Foundation

**PATRON**  
**Sri B. SRI KRISHNA**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. CH. CHENCHAMMA**  
Principal

**CO-CONVENER**  
**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of  
BUSINESS ADMINISTRATION

**CO-ORDINATOR**  
**Mr. K. SWAROOP**  
Assistant Professor,  
Department of  
BUSINESS ADMINISTRATION

**A Five Day**  
**Faculty Development Programme**  
**On**  
**"USE OF ICT IN TEACHING AND**  
**LEARNING"**

**13/12/2021 to 17/12/2021**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

Category: Academic/Industry/Others

**Signature of Participant**

**Registration Fee: ₹350/-**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy to the mail-id: [vijayamba08@gmail.com](mailto:vijayamba08@gmail.com)

*Spot Registrations are also allowed.*

**A Five Day**  
**Faculty Development Program**

**ON**

**USE OF ICT IN TEACHING AND**  
**LEARNING**

**Organized by**  
**Department of**  
**BUSINESS ADMINISTRATION**

**13/12/2021 to 17/12/2021**



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*Ce-Chom*  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
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**ENIKEPADU, VIJAYAWADA-521,103**



## ABOUT THE COLLEGE

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## ABOUT MBA DEPARTMENT

The department was established in the year 2009 and offers 2 year full time Master of Business Administration (MBA) program with the approval of AICTE, and affiliated to JNTUK. We at the Department instill aptitude to think logically and act rationally. Faculty members at MBA promote knowledge through teaching, research and training. Various tools are used to allow students to become Managers, Leaders and Entrepreneurs

## OBJECTIVES OF FDP:

- To understand various methods in teaching and learning.
- To improve the standards of teaching there by increasing the qualitative aspect.
- To have access to various ICT operations, digital resources and thinking Skills.
- To prepare faculty for various roles like Motivators, Facilitators, Mentors and Guides.
- To equip faculty with innovative technologies and sufficient knowledge, so that they can guide students in achieving their goals.

## SCHEDULE:

13/12/2021 TO 14/12/2021	TOPIC: ICT introduction, advantages, importance and challenges. Resource person: <b>Dr. K. MURALI</b>
15/12/2021 TO 16/12/2021	TOPIC: Installation of Zoom, Google Meet, scheduling a meeting, inviting panelists and generation of reports. Resource person: <b>Mr. E. NAGARAJU</b>
17/12/2021	TOPIC: Process for enrolling for NPTEL Courses and its uses. Resource person: <b>Mr. CH. V. RAO</b>

## FOR FURTHER DETAILS:

**Dr. P. SUBBAIAH**  
Professor & Head  
Department of BUSINESS ADMINISTRATION  
7674002244  
[drpsubbaiah@gmail.com](mailto:drpsubbaiah@gmail.com)

**Mr. K. SWAROOP**  
Assistant Professor,  
Department of BUSINESS ADMINISTRATION  
9515681881  
[swaroop.karanam1881@gmail.com](mailto:swaroop.karanam1881@gmail.com)





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### REPORT ON A 5 DAY FACULTY DEVELOPMENT PROGRAM ON “USE OF ICT IN TEACHING AND LEARNING”

Date: 18<sup>th</sup> December 2021

A 5 day Faculty Development Program titled “Use of ICT in Teaching and Learning” was organized in VITW from 13<sup>th</sup> to 17<sup>th</sup> December 2021 by the Dept of Business Administration to equip the faculty with new innovative technologies for improving the Productivity, Teaching and Learning Experience, which gives a chance for the Faculty to learn the various concepts enthusiastically.

**RESOURCE PERSONS:** Resource persons for this programme are the experts from industry and academia.

1. **Dr. K. MURALI**, Associate Professor, Department of ECE, VITW, Enikepadu.
2. **Mr. E. NAGARAJU**, Assistant Professor, Department of MCA, SRKIT, Enikepadu.
3. **Mr. CH. V. RAO**, Trainer, Java Developer, HMIES, Visakhapatnam.

**NO OF PARTICIPANTS:** 20

#### **INAUGURATION OF THE FDP:**

The Faculty Development Program started with an inaugural session on 13<sup>th</sup> December 2021, in the presence of resource person, **Dr. K. MURALI**, Associate Professor, Department of ECE, **Dr. G. CHENCHAMMA**, Principal of Vijaya Institute of Technology for Women, **Dr. P. SUBBAIAH**, HoD, Dept of Business Administration, and other faculty members.

The session began with welcome address by Mr. K. Swaroop, Assistant Professor, Dept of MBA, who discussed about the objectives of the Faculty Development Program.

Principal, **Dr. G. CHENCHAMMA** have stressed the importance of using different teaching and learning methods. **Dr. P.SUBBAIAH**, HoD, Dept of Business Administration addressed the audience with his words.





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### OBJECTIVES OF THE FDP:

- To understand various methods in teaching and learning.
- To improve the standards of teaching there by increasing the qualitative aspect.
- To have access to various ICT operations, digital resources and thinking Skills.
- To prepare faculty for various roles like Motivators, Facilitators, Mentors and Guides.
- To equip faculty with innovative technologies and sufficient knowledge, so that they can guide students in achieving their goals.

### DAY 1 TO DAY 2 OF FDP:

Two days of the Faculty Development Program i.e. from 13<sup>th</sup> December to 14<sup>th</sup> December were delivered by the Resource Person **Dr. K. MURALI**, Associate Professor, Department of ECE, with an introduction about ICT, its advantages, importance and some of the challenges and issues related to ICT.

### DAY 3 TO DAY 4 OF FDP:

Two days of the Faculty Development Program i.e. from 15<sup>th</sup> December to 16<sup>th</sup> December were delivered by the Resource Person **Mr. E. NAGARAJU**, Assistant Professor, Department of MCA, SRKIT about Zoom Installation, Google Meet, how to schedule a meeting, how to invite panelists and how to generate reports in Online meeting Apps.

### DAY 5 OF FDP:

Last day of the Faculty Development Program i.e. 17<sup>th</sup> December is delivered by the Resource Person **Mr. CH. V. RAO**, Trainer, Java Developer, HMIES, Visakhapatnam, regarding how to enroll for NPTEL Courses, its uses and other online platforms of learning which makes education easy.

### KEY BENEFITS:

After attending this Faculty Development Program, the participants will be able to understand the different types of tools available in teaching and learning, opportunities for effective teaching, active learning strategies, learner centric models.





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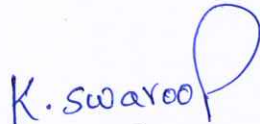
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At the end of the last day session, it was good to hear a positive feedback form the participants for conducting such an informative Faculty Development Program. All the participants were enthusiastic about the use of tools which makes their work easy.


### Valedictory Session:

A Valedictory session was held to mark the end of the Faculty Development Program on “Use of ICT in Teaching and Learning” on 17<sup>th</sup> December 2021. It was attended by the Principal, HOD’s and other staff members from other departments.

The session ended with a **Vote of Thanks** by Mr. K. Swaroop, Assistant Professor, Department of Business Administration, by pointing out the importance of learning such innovative techniques in Teaching and Learning and with a hope that participants will implement the various ICT Tools.

  
K. Swaroop  
Co – ordinator

  
HOD

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108



## ORGANIZING COMMITTEE MEMBERS

### CHIEF PATRON

**Sri B.S.APPARAO**

Chairman, SRK Foundation

### PATRON

**Sri B.S.KRISHNA**

Secretary, SRK Foundation

### CONVENER

**Dr G.CHENCHAMMA**

Principal

### CO-CONVENER

**Mrs. Y.VIJAYA**

Head of Department  
Information Technology

### FDP CO-ORDINATOR

**Mrs. SWARNA RAMYA**

Assistant Professor, Department of IT

### How to Apply:

The participants can fill-up the Registration form and send the scanned copy to the email.id:

[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- **Spot Registrations are also allowed on**  
**20<sup>th</sup> Nov 2021 before 9:00 am**

*G.Chom*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108

Signature of the Participant

## REGISTRATION FORM

A One-Week Faculty Development Program

On

## IOT and AI Applications

Will be held from

**20<sup>th</sup> Nov 2021 to 27<sup>th</sup> Nov 2021**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

*A  
One-Week  
Faculty Development Program  
On*

## IOT and AI Applications

Will be held from

**20<sup>th</sup> Nov 2021 to 27<sup>th</sup> Nov 2021**

In collaboration with



Is being organized by

*Department of  
Information Technology*



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Affiliated JNTU Kakinada

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Andhra Pradesh, INDIA

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### ABOUT THE COLLEGE:

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### DEPARTMENT OF INFORMATION TECHNOLOGY

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programmed in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology

### ABOUT NIPUNA TECHNOLOGIES

Nipuna Technologies the best Software Training Institute in Guntur is dedicated to providing you an exceptional quality of education to help you thrive in the IT industry. We equip learners both technically and professionally, allowing them to learn and grow. We at Nipuna Technologies are dedicated to giving you the confidence and skill to land your dream role. Our objective is not just improving your skills but also helping you monetize them with placement opportunities. Increase your chances of getting a job by taking advantage of placement-oriented software training at Nipuna Technologies. We offer a diverse set of job-oriented courses while providing students with world-class training from working professionals and live projects.

### ABOUT THE PROGRAM:

The Internet of Things (IoT) provides the ability to interconnect computing devices, mechanical machines, objects, animals or unique identifiers and people to transfer data across a network without the need for human-to-human or human-to-computer is a system of conversation. IoT applications bring a lot of value in our lives. The Internet of Things provides objects, computing devices, or unique identifiers and people's ability to transfer data across a network without the human-to-human or human-to-computer interaction. A traffic camera is an intelligent device. The camera monitors traffic congestion, accidents and weather conditions and can access it to a common entrance. This gateway receives data from such cameras and transmits information to the city's traffic monitoring system.

### PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

### FOR MORE DETAILS CONTACT:

#### Mrs. SWARNA RAMYA

Assistant Professor,  
Department of Information Technology  
Contact Number: 7780252749.  
Email.ID: [ramyaswarna6@gmail.com](mailto:ramyaswarna6@gmail.com)

#### Mr. A. PRATHAP

Assistant Professor,  
Department of Information Technology  
Contact Number: 8367674977.  
Email.ID: [Prathap.adimoolam@gmail.com](mailto:Prathap.adimoolam@gmail.com).

### COURSE SCHEDULE:

DATE	TOPICS
20-11-2021	• Introduction to Internet of Things (IoT)
22-11-2021	• Architecture & Domains
23-11-2021	• IoT Devices
25-11-2021	• IoT Platforms
26-11-2021	• Communication in layers of OSI model
27-11-2021	• IoT + Arduino

### RESOURCE PERSON

#### Sri. SHAIK TABRAJE

Project Engineer,  
Nipuna Technology.

### NOTE:

- Registration fee ₹ 400/-
- Interested Persons are requested to register for the program on or before 19<sup>th</sup> Nov 2021
- Attendance and feedback are mandatory to get a certificate.





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Date: 29<sup>th</sup> November 2021

### **A one week Faculty Development Program report on “IOT and AI Applications”**

#### **Objectives:**

1. To create awareness among faculty over fundamentals of IOT and AI with its applications.
2. To explore various research opportunities and challenges in the field of IOT, AI and its applications.

#### **Description:**

The Department of Information Technology organized a one-week faculty development program on “IOT and AI Applications” from 20<sup>th</sup> November 2021 to 27<sup>th</sup> November 2021. A very beneficial academic environment was experienced by the participants during the program. The dignitaries were welcomed by Mrs. S. Ramya Assistant Professor, Department of Information Technology. The keynote address for the FDP was given by Mrs.Y.Vijaya, Head of the Department, followed by an introduction to the program by Dr. G. Chenchamma, Principal.

#### **Resource Person:**

**Sri. Shaik Tabraje**  
Project Engineer,  
Nipuna Technologies, Guntur.

#### **FDP Coordinator:**

**Mrs. S. Ramya**  
Assistant Professor,  
Department of Information Technology

#### **Topics Covered during the program:**

##### **DAY-1: Introduction to Internet of Things (IOT)**

Business Ready, SaaS to IOT applications, benefits of IOT, embedded with sensors, embedded software.





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### DAY-2: Architecture & Domains

Network Structure, Cloud Technology, Stages of IOT Solutions Architecture, Virtual Entity, Physical Entity.

### DAY-3: IOT Devices

Security and Privacy, Edge Computing, Wireless sensors, Actuators.

### DAY-4: IOT Platforms

IOT Connectivity platforms, IOT Device Management Platform, IOT Application Enablement Platforms, IOT Analytic Platform.

### DAY-5: Communication in Layers of OSI Model

Application, Presentation, Session, Network, Data Link and Physical, Routing between Devices and Cloud.

### DAY-6: IOT + Arduino

Arduino Cloud, Arduino Uno, Arduino Due, Arduino Mega, Arduino Leonardo.


### Outcomes:

The FDP program enriched the knowledge of faculty over Internet of Things and AI Applications, now a day's Internet of Things and AI Applications change the entire world in the field of Information technology industry and Internet of Things and AI Applications tanking entire world into its Hands. The Program highlighted the current trends in the IT industry. All the participants who have attended the program gained rich insights into the topics.

Improved understanding and knowledge of IoT and AI concepts, techniques, and tools. Improved ability to design, develop, and implement IoT and AI applications. Integration of modern technologies and techniques into the curriculum to improve the quality of education in IoT and AI.

Understand complex ideas and relate them to specific situations, the ability to evaluate available learning methods and select those appropriate to solve a given task. Demonstrate awareness and a fundamental understanding of various applications of AI techniques in health care, Security /privacy, IoT Edge Computing, Smart Buildings & Smart Solutions.

  
COORDINATOR

  
PRINCIPAL  
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HoD



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Chairman, SRK Foundation

PATRON

**Sri B.S.KRISHNA**

Secretary, SRK Foundation

CONVENER

**Dr G.CHENCHAMMA**

Principal

CO-CONVENER

**Mrs. Y.VIJAYA**

Head of the Department,  
Information Technology

FDP CO-ORDINATOR

**Mr. CH. PHANI KANTH**

Asistant Professor,  
Department of Information Technology

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[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- Spot Registrations are also allowed on 15<sup>th</sup> March 2021 before 9:00 am

## REGISTRATION FORM

A One-Week Faculty Development Program  
on

**AWS ASSOCIATE CLOUD  
ARCHITECT**

Will be held from

15<sup>th</sup> March 2021 to 20<sup>th</sup> March 2021

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

*G.Chm*

Signature of the Participant

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A  
One-Week  
Faculty Development Program  
On

**AWS ASSOCIATE CLOUD  
ARCHITECT**

Will be held from

15<sup>th</sup> March 2021 to 20<sup>th</sup> March 2021

In collaboration with



Andhra Pradesh State Skill Development  
Corporation (Govt. of Andhra Pradesh)

Is being organized by

**Department of  
Information Technology**



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[www.vitw.edu.in](http://www.vitw.edu.in)



## ABOUT THE COLLEGE:

The College Vijaya Institute of Technology for women (VITW) was founded by Sri Boyapati AppaRao garu in 2008, with the objective of providing excellent learning facility for women to pursue education in Engineering. VITW is affiliated to JNTUK, approved by AICTE, certified by ISO 9001:2015. VITW is only women's engineering college in the heart of Vijayawada city offering engineering undergraduate courses in CSE, ECE, IT and AI&ML, Master in business administration and diploma engineering courses in DCME, DECE, DEEE. VITW has made its presence felt more with academic discipline, results and the achievements of its students.

## DEPARTMENT OF INFORMATION TECHNOLOGY:

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programme in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology.

## ABOUT APSSDC:

The Govt. of AP has formed 7 different Missions to achieve double digit growth for the state and to make AP among the most developed state in the country. Among these, the Knowledge and Skills Mission has been formed to provide trained and skilled manpower to all other Missions. To bring the faster execution State Government Andhra Pradesh has established The Department of Skill Development, Entrepreneurship and Innovation (DSDEI) has been further created to coordinate and synergize skilling efforts of all departments. Under which APSSDC is formed.

## ABOUT THE PROGRAM:

APSSDC in collaboration with AWS Educate is offering the AWS Associate Cloud Architect workshop to faculty members and students. This course will introduce you to the core concepts of cloud computing from its essential characteristics to the different service & deployment models, cloud architecture, security and monitoring, emerging technologies offered by the cloud. It provides you with fundamentals to become more proficient in identifying AWS services so that you can make informed decisions about IT solutions based on your academic projects, business requirements and get started working on AWS Cloud.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mr. CH. PHANI KANTH

Asistent Professor, Department of IT  
Contact Number: 9700445556

Email.ID: [phanikanth.ch@gmail.com](mailto:phanikanth.ch@gmail.com)

## RESOURCE PERSON:

### Mr. RAMADEEP

Multi Skill Trainer, APSSDC

### Mr. RUPESH KUMAR

Technical Skill Trainer, APSSDC

## COURSE SCHEDULE:

DATE	TOPICS
15-03-2021	<ul style="list-style-type: none"><li>• Introduction to Cloud Computing &amp; Account Registration in AWS</li></ul>
16-03-2021	<ul style="list-style-type: none"><li>• Demo on Servers, How to launch instances(Servers) in Cloud.</li><li>• AMIs and Volumes in AWS</li></ul>
17-03-2021	<ul style="list-style-type: none"><li>• Virtual Private Gateway, NAT Gateway</li></ul>
18-03-2021	<ul style="list-style-type: none"><li>• Elastic IP and Application Deployment</li></ul>
19-03-2021	<ul style="list-style-type: none"><li>• Load balancers and Storage Concepts</li><li>• Static Website Hosting using WINSOFT-Tool</li></ul>
20-03-2021	<ul style="list-style-type: none"><li>• Database creation using RDS</li><li>• Cloud Watch</li></ul>

## NOTE:

- Registration fee ₹ 400.
- Interested Persons are requested to register for the program on or before 14<sup>th</sup> Mar 2021.
- Attendance and feedback are mandatory to get a certificate.





## **VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN**

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

Date: 22<sup>th</sup> March 2021

### **A one week Faculty Development Program report on “AWS Associate cloud Architect”**

#### **Objectives:**

- To get the awareness of different types of AWS services and their applications.
- Understanding of architectural best practices for building resilient and scalable applications on AWS.
- Ability to design secure applications and architectures to protect data confidentiality and integrity.
- Knowledge of cost-effective strategies for AWS services and efficient resource utilization.

#### **Description:**

A faculty development workshop on "AWS Associate cloud architect" is scheduled by the Department of Information Technology to occur from March 15<sup>th</sup> to 20<sup>th</sup>, 2021, for a duration of one week. Throughout the entire program, the participants were in an extremely supportive academic environment. Mr. Ch. Phanikanth, Assistant Professor, Department of Information Technology, greeted the dignitaries. The department head, Mrs. Y. Vijaya, gave the FDP keynote address. Next, the program was introduced by the principal, Dr. G. Chenchamma.

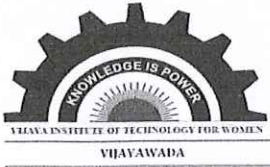
#### **Resource Person:**

1. **Mr. Ramadeep**  
Multi Skill Trainer  
Andhra Pradesh State Skill Development Corporation
2. **Mr. Rupesh Kumar**  
Technical Skill Trainer,  
Andhra Pradesh State Skill Development Corporation

#### **FDP Coordinator:**

**Mr. Ch. Phanikanth**  
Assistant Professor,  
Department of Information Technology





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## Topics covered during the program:

### Day 1: Introduction to Cloud Computing

- Introduction to Cloud Computing & Account Registration in AWS,
- Demo on Servers: How to launch instances (Servers) in Cloud.
- AMIs and Volumes in AWS

### Day 2: Network Services

- Virtual Private Gateway and NAT Gateway
- Elastic IP and Application Deployment

### Day 3: AWS Services

- Load balancers and Storage Concepts on cloud
- Static Website Hosting using WINSOFT-Tool
- In-depth understanding of AWS services, including EC2, S3, RDS, VPC, Lambda, and Cloud Watch

### Day 4: Architectural Design

- Ability to design scalable, fault-tolerant, and highly available architectures.

### Day 5: Security Best Practices

- Knowledge of security best practices for data protection, encryption, and access controls.

### Day 6: Cost Management:

- Skill in optimizing costs by selecting appropriate instance types, utilizing Reserved Instances, and monitoring resource consumption.

## Outcome:

The Faculty Development Program was a valuable asset for faculty and IT professionals seeking to demonstrate their expertise in designing and implementing robust and scalable solutions on the AWS cloud. As cloud adoption continues to grow, this certification was a key differentiator for individuals aspiring to excel in the field of cloud architecture.

During the program involved in-depth learning about AWS services and best practices in cloud architecture. This knowledge enhanced your professional development and keeps updated on the latest trends and technologies in cloud computing.

  
COORDINATOR

  
HoD

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521108



Organizing Committee Members

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SRK Foundation

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**Sri. B. Sri Krishna**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. G. Chenchamma**  
Principal

**CO-CONVENER**  
**Dr.A.C.P.Ranjani**  
Professor & Head,  
Department of CSE

**CO-ORDINATOR**  
**Ms.T.Shalini,**  
Asst. Professor,  
Department of CSE

**A One Week Faculty Development Program**  
**On**

**“ADVANCE DS WITH APPLICATIONS”**

**18-01-2021 to 23-01-2021**

**Registration Form**

Name:

Designation :

Department :

Name of the Institute :

Address:

State:

Mobile Number :

E-mail: :

Category: Academic/Industry/Others

Signature of Participant

**Registration Fee Rs: 300/- Only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: [shalinitamma09@gmail.com](mailto:shalinitamma09@gmail.com)

*Spot Registrations are also allowed.*

**A ONE WEEK**  
**FACULTY DEVELOPMENT PROGRAM**  
**ON**

**“ADVANCE DS WITH APPLICATIONS ”**

**Organized**  
**By**

Department of Computer Science and  
Engineering

**18-01-2021 to 23-01-2021**



**VIJAYA INSTITUTE OF TECHNOLOGY**  
**FOR WOMEN**

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Andhra Pradesh, India  
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*G.Chm*

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**VIJAYA INSTITUTE OF**  
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**ENIKEPADU, VIJAYAWADA-521108**



## ABOUT THE COLLEGE

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## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

This program is designed to enhance the knowledge, skills, and capabilities of faculty members in the field of data science. The objectives of this program can vary depending on the specific goals and context, but here are some common objectives.

Equip faculty with advanced technical skills in data science, including proficiency in programming languages such as Python or R, knowledge of advanced machine learning algorithms, and expertise in data manipulation and analysis.

Provide a deep understanding of advanced concepts in data science, such as deep learning, natural language processing, reinforcement learning, and other cutting-edge techniques.

Implement mechanisms for assessing the effectiveness of the faculty development program and gather feedback for continuous improvement, ensuring that the program remains relevant and impactful.

## SCHEDULE

18-01-2021	Introduction to Advanced Data Science
	<b>Resource person:</b> <b>Mr.CH.AMBEDKAR</b>
19-01-2021	Advanced Machine Learning Techniques
	<b>Resource person:</b> <b>Mr.CH.AMBEDKAR</b>
20-01-2021	Natural Language Processing (NLP) and Text Mining
	<b>Resource person:</b> <b>Mr.CH.AMBEDKAR</b>
21-01-2021	Time Series Analysis and Forecasting
	<b>Resource person:</b> <b>Mr.CH.AMBEDKAR</b>
22-01-2021	Advanced Data Visualization and Interpretability
	<b>Resource person:</b> <b>Mr.CH.AMBEDKAR</b>
23-01-2021	Applications and Case Studies
	<b>Resource person:</b> <b>Mr.CH.AMBEDKAR</b>

## FOR FURTHER DETAILS

**Dr.A.C.P.Ranjani**

HoD, CSE.

Number: 9848504927

Mail ID: acpranjani@gmail.com

**Ms.T.Shalini,**

Asst.Professor, Department of CSE.

Phone Number: 9966753260,

E-Mail ID: shalinitamma09@gmail.com





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College Code: NP, Enikepadu, Vijayawada-521108

## PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	“ADVANCE DS WITH APPLICATIONS”
<b>Event Start Date</b>	18-01-2021
<b>Event End Date</b>	23-01-2021
<b>Duration</b>	One week
<b>No. of Participants</b>	21
<b>Resource Person</b>	<b>Mr.CH.Ambedkar,</b> Assistant Professor. Dept of CSE, S.R.K Institute of Technology.
<b>Objective</b>	This FDP is about Advance.DS with Applications. The course aims to provide a deeper understanding of advanced topics in data science, such as machine learning algorithms, deep learning, natural language processing, and big data analytics. It provides a platform to apply software development methodologies to create efficient, well-structured applications that other programmers can easily understand.





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<b>Description</b>	<p>The Department of Computer Science and Engineering has conducted a one-week offline faculty development program on “<b>ADVANCE DS WITH APPLICATIONS</b>” from 18-01-2021 to 23-01-2021. The program is aimed to enhance the skills and knowledge of faculty by focusing on teaching, research and technology trends.</p> <p><b>Day1:</b> The Resource Person has given a brief introduction to Advance DS with Applications. The faculty were taught about the importance of data pre-processing and feature engineering.</p> <p><b>Day2:</b> The Resource Person made faculty understand about the fundamentals of advance data science. He focused much on advanced machine learning algorithms such as random forests, gradient boosting, and support vector machines.</p> <p><b>Day3:</b> The Resource Person delivered lecture to faculty about acquiring skills in data science and explained different types of neural networks including convolution and recurrent neural networks.</p> <p><b>Day4:</b> The Resource Person explained about NLP and its applications. Introduced advanced NLP techniques such as sentiment analysis, named entity recognition and text generation.</p> <p><b>Day5:</b> The Resource Person vividly explained about big data concepts and technologies. Taught about distributed computing and parallel processing.</p> <p><b>Day6 :</b> The Resource Person gave insight our faculty about case studies and examples of how advanced data science is used in various industries.</p>
<b>Outcome</b>	<p>In this FDP, the sessions are worth learning and is very enlightening. By learning these topics, faculty can develop a solid foundation in the Advance DS with Applications and apply this knowledge to various domains. By gaining knowledge in these areas, faculty can better understand the opportunities and challenges. Faculty will become proficient in the statistical analysis of data and can know about uses of computation tools for data analysis.</p>

*T. S. H. L.*  
CO-ORDINATOR

*G. Chm*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521

*A. P. Ranjani*  
HoD



**Organizing Committee Members**

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Chairman,  
SRK Foundation

**PATRON**  
Sri. B. SRI KRISHNA  
Secretary,  
SRK Foundation

**CONVENER**  
Dr. G. CHENCHAMMA  
Principal

**CO-CONVENER**  
Ms.K.PRASUNA  
HoD,Dept.of ECE  
VITW

**CO-ORDINATOR**  
Mr K.MURALI  
Assistant Professor,  
Dept of ECE

A One Week Faculty Development Programme  
On

**“CYBER SECURITY IN DAY TO  
DAY LIFE”**

07/01/2021 to 12/01/2021

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

Category: Academic/Industry/Others

**Signature of Participant**

*Registration Fee:400*

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

[ecehvitw@gmail.com](mailto:ecehvitw@gmail.com)

*Spot Registrations are also allowed.*

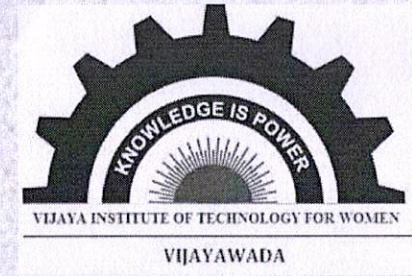
A One Week  
Faculty Development Programme

ON

**“CYBER SECURITY IN DAY TO  
DAY LIFE”**

**Organized by  
Department of ECE**

07/01/2021 to 12/01/2021



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Andhra Pradesh, India

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ENIKEPADU, VIJAYAWADA-521 108.



## ABOUT THE COLLEGE

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## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## ABOUT THE FDP :

Cybersecurity is the protection of internet-connected systems such as hardware, software and data from cyberthreats. The practice is used by individuals and enterprises

It aims to educate individuals about potential cyber threats, best practices for safeguarding sensitive information, and how to respond effectively in case of a security incident.

## OBJECTIVES OF FDP:

The goal of cyber security is to ensure secure storage, control access and prevent unauthorized processing, transfer, or deletion of data. It safeguards the confidentiality, integrity, and availability of information.

One single security breach can lead to exposing the personal information of millions of people. These breaches have a strong financial impact on the companies and also loss of the trust of customers. Hence, cyber security is very essential to protect businesses and individuals from spammers and cyber criminals.

## SCHEDULE:

07/01/2021 TO 12/01/2021	<b>TOPIC:</b> Introduction to Cyber Security ,Importance of Cyber Security in day to day life, Applications and Tips to improve Security . <b>Resourceperson:</b> <b>Dr. G. JACOB VICTOR</b>
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## FOR FURTHER DETAILS:

**Ms.K.PRASUNA**

**HoD, Dept. of ECE**

**8008842308**

**[ecchvitw@gmail.com](mailto:ecchvitw@gmail.com)**

**Mr.K.MURALI**

**Assistant Professor**

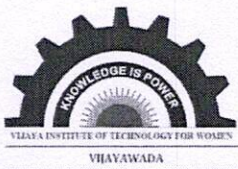
**Department of ECE**

**996682535**

**[kalipindimurali@gmail.com](mailto:kalipindimurali@gmail.com)**

**PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADDU, VIJAYAWADA-521102**





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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College Code: NP, Enikepadu, Vijayawada-521108

## REPORT ON

### A ONE WEEK FDP ON

### “CYBER SECURITY IN DAY TO DAY LIFE”

A One week FDP was organized in VITW from 07<sup>th</sup> to 12<sup>th</sup> Jan 2021 by the Dept of ECE . The FDP received an overwhelming response with 28 faculty members and students.

**RESOURCE PERSON :** Resource persons for this programme will be the experts from industry and Academia both.

**Dr. G. JACOB VICTOR** , B.E, M.Tech, PhD, CISA, FIETE, MIEEE, Director (Communications), Information Technology, Electronics & Communication Department , Government of Andhra Pradesh, Vijayawada

#### INAUGURAL OF THE PRORAMME:

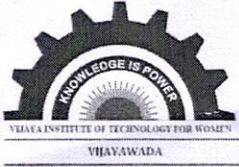
The FDP started with an inaugural session on 7<sup>th</sup> Jan 2021, in the presence of resource person **Dr. G. JACOB VICTOR**, Director (Communications), Information Technology, Electronics & Communication Department , **Dr. G. CHENCHAMMA**, Principal of VITW, **Ms.K.PRASUNA** , HoD, Department of ECE, and other faculty members.

The session began with welcome address by Mr. K.MURALI, Assistant Professor, Department of ECE, VITW, who has also discussed the rationale of the FDP and its key components,

The Principal Madam, **Dr.G. CHENCHAMMA** presented the key points of the programme.

**Ms.K.PRASUNA**, HOD, Dept of ECE addressed the audience with his words of wisdom.





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### OBJECTIVES OF THE EVENT:

- To understand the concept of Cyber Security .
- The CIA triad refers to an information security model made up of the three main components: confidentiality, integrity and availability.
- Each component represents a fundamental objective of information security.
- It scans vast data and identifies potential threats and reduces false positives by filtering out non-threatening activities.
- This helps human experts focus on more critical security tasks

### FOR WHOM:

The FDP is open for students, Faculty and Entrepreneurs who have an interest in understanding the concept of Cyber Security. At every Phase of life, This helps human experts focus on more critical security tasks.

### PEDAGOGY:

The FDP is a mixture of lecture, case studies and sharing of experiences between participants and resource persons.

### KEY BENEFITS:

After attending this FDP, the participants will be able to understand the challenges, Avoiding legal Fines and Penalties, issues, Maintaining Employee and Customer Trust, Better Cyber security posture, Protecting organizations against paying a ransom , Staying ahead of the competition , Avoiding legal Fines and Penalties.

Safeguarding Business Operations.

Better cyber security posture.

Protecting organizations against paying a ransom.

At the end of the last day session, it was heartening to receive positive feedback from participants who applauded the FDP.


### VALEDICTORY SESSION:

A Valedictory session was held to mark the one week journey of the FDP on “CYBER SECURITY IN DAY TO DAY LIFE” on 12th Jan 2021. It was attended by the Principal, HoD's and other staff members from other departments.

The session was started with a welcome address by Mr.K.MURALI, Asst Prof, Dept of ECE, VITW, pointed out the importance of creativity and innovation in Cyber Security .

The session ended with a Vote of Thanks by Ms.K.PRASUNA, HOD, Dept of ECE , VITW with a hope that participants will use this knowledge and information in innovations.

  
CO-ORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108

  
HoD



**ORGANIZING COMMITTEE MEMBERS**

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**CO-CONVENER**  
**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of  
BUSINESS ADMINISTRATION

**CO-ORDINATOR**  
**Mrs. P. KALPANA**  
Assistant Professor,  
Department of  
BUSINESS ADMINISTRATION

**A Five Day Faculty Development Programme  
On**

**“SELF - MANAGEMENT AND  
EMOTION CONTROL”**

**14/12/2020 to 18/12/2020**

**REGISTRATION FORM**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Other**

**Signature of Participant**

*Registration Fee: Rs. 300/-*

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

***vijayamba08@gmail.com***

*Spot Registrations are also allowed.*

**PRINCIPAL**  
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TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521,108**

**A Five Day  
Faculty Development Program**

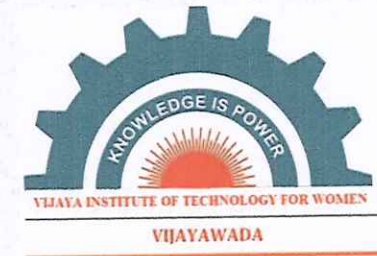
**ON**

**SELF - MANAGEMENT AND  
EMOTION CONTROL**

**Organized by**

**Department of  
BUSINESS ADMINISTRATION**

**14/12/2020 to 18/12/2020**



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## ABOUT MBA DEPARTMENT

The department was established in the year 2009 and offers 2 year full time Master of Business Administration (MBA) program with the approval of AICTE, and affiliated to JNTUK. We at the Department instil aptitude to think logically and act rationally. Faculty members at Department promote knowledge through teaching, research and training. Various tools are used to allow students to become Managers, Leaders and Entrepreneurs.

## OBJECTIVES OF FDP:

Self - Management or Self – Regulation is the second of the three key areas of personal skills that make up Emotional Intelligence. Self – Management is concerned with how you control and manage yourself and your emotions, inner resources, and abilities.

It also includes your ability to manage your impulses. It also includes an element of taking responsibility for your own actions, and ensuring that what you do matches with your personal values.

## SCHEDULE:

14/12/2020

TO

16/12/2020

TOPIC: Introduction to Self – Management, Skills essential for Self – Management and Tips to improve Self – Management

**Resource Person:**

**Mr. G. SAI SRINIVAS  
MURTHY**

17/12/2020

TO

18/12/2020

TOPIC: Introduction to Emotion Control, how to become a boss of one's emotions and Emotion Control Meter.

**Resource Person:**

**Mrs. P. NAGA LAKSHMI**

## FOR FURTHER DETAILS:

**Dr. P. SUBBAIAH**

**Professor & Head,**

**Department of Business Administration**

**7674002244**

**drpsubbaiah@gmail.com**

**Mrs. P. KALPANA**

**Assistant Professor,**

**Department of Business Administration**

**9160563757**

**kalpana0705@gmail.com**





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute. Approved by AICTE. Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com), Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

## REPORT ON A 5 DAY FACULTY DEVELOPMENT PROGRAM ON “SELF MANAGEMENT AND EMOTION CONTROL”

Date: 21<sup>st</sup> December 2020

Department of Business Administration organized a 5 day Faculty development Program on **SELF - MANAGEMENT AND EMOTION CONTROL** in the Vijaya Institute of Technology for Women, from 14<sup>th</sup> to 18<sup>th</sup> December, 2020 as an initiative to improve Self – Management and Emotional Intelligence.

**RATIONALE OF THE FDP:** Self - Management or Self – Regulation is the second of the three key areas of personal skills that make up Emotional Intelligence. Self – Management is concerned with how you control and manage yourself and your emotions, inner resources, and abilities. It also includes your ability to manage your impulses. It also includes an element of taking responsibility for your own actions, and ensuring that what you do matches with your personal values.

### RESOURCE PERSONS:

1. **Mr. G. SAI SRINIVAS MURTHY**, Assistant Professor, PSCMR College of Engineering and Technology, Vijayawada.
2. **Mrs. P. NAGA LAKSHMI**, Research Scholar KLEF, Vaddeswaram.

**NO OF PARTICIPANTS:** 17

### INAUGURATION OF THE FDP:

The FDP started with an inaugural session on 14<sup>th</sup> December, 2020 in the presence of the resource person **Mr. G. SAI SRINIVAS MURTHY**, Assistant Professor, PSCMR College of Engineering and Technology, **Dr. G. CHENCHEMMA**, PRINCIPAL of Vijaya Institute of Technology for Women, **Dr.P.SUBBAIAH**, HoD of Department of Business Administration and other faculty members.

The session began with welcome address by **Mrs. N. Nirupama**, Assistant professor, Dept. of Business Administration, who also emphasized the importance of the FDP in the present scenario.





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Principal **Dr. G. CHENCHEMMA**, spoke a few points on the FDP. **Dr. P. SUBBAIAH**, HoD, Department of Business Administration addressed the participants with a few words.

## THE JOURNEY OF FDP:

- Day 1 to Day 3 of FDP was delivered by the resource person **Mr. G. SAI SRINIVAS MURTHY**, Assistant Professor, PSCMR College of Engineering and Technology, Kothapet, Vijayawada.
  - Day 1 the Resource Person started the Faculty Development Program with an introduction, as well as with an example on Self – Management and Emotion Control.
  - Day 2 with the skills those are essential for Self - Management and Emotion Control.
  - Day 3 with tips to improve Self – Management and ended the session with a brief explanation of a quote on Mastering One Self.
- Day 4 to Day 5 of FDP was delivered by the resource person **Mrs. P. NAGA LAKSHMI**, Research Scholar KLEF, Vaddeswaram
  - Day 4 the Resource Person started the Faculty Development Program with an introduction on Emotion Control and how to become a boss of one's emotions and some tips to become a boss which also helps for personal development.
  - Day 5 with an activity using Emotion Control meter to check the level of emotions and how to have a control on emotions.

## VALEDICTORY SESSION:

A Valedictory Session was held to mark the five day journey of the FDP on “Self - Management and Emotion Control” on 18<sup>th</sup> December, 2020. It was attended by the Principal, HOD's and other staff members of Various Departments. The Session ended with a **Vote of Thanks** by **Mrs. P. Kalpana**, Assistant Professor, Department of Business Administration, by thanking College Management for giving a chance to conduct such FDP which helps in the Personal growth of the Participants.

*P. Kalpana*  
Co-ordinator

*G. Usm*  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521,108**

*P. Subbaiah*  
HoD



**Organizing Committee Members**

**CHIEF PATRON**

**Sri B.S. Appa Rao**

Chairman, SRK Foundation

**PATRON**

**Sri B. Sri Krishna**

Secretary, SRK Foundation

**CONVENOR**

**Dr.G. Chenchamma**

Principal, VITW

**COORDINATORS**

**Ms.K.Prasuna**

HoD., Dept. of ECE  
VITW

**RESOURCE PERSON**

**Mr.R.Upendrarao**

Managing director  
Chip electronic training pvt.ltd,  
Vijayawada

**A One Week Faculty Development Programme  
On  
“DESIGN FOR TESTABILITY IN IC  
INDUSTRY”**

**13/12/ 2020 to 18/12/2020**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee:-250/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy of the registration form to the  
mail-id: [ecehvitw@gmail.com](mailto:ecehvitw@gmail.com)

*Spot Registrations are also allowed.*

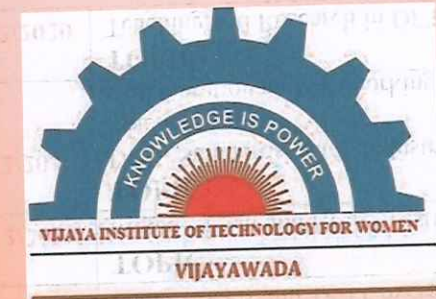
**A One Week  
Faculty Development Program**

**ON  
“DESIGN FOR TESTABILITY IN IC  
INDUSTRY”**

**Organized by**

**Department of  
ELECTRONICS & COMMUNICATION  
ENGINEERING**

**13/12/ 2020 to 18/12/2020**



**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**

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Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website:  
[www.vitw.edu.in](http://www.vitw.edu.in) College Code: NP, Enikepadu,  
Vijayawada-521108

**G.C. PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ADU, VIJAYAWADA-521108.**



## ABOUT THE COLLEGE

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## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department.

The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

The overall objective of an FDP on Design for Testability in the IC industry is to empower educators, researchers, and professionals with the knowledge and skills needed to integrate DFT principles into IC design, testing, and diagnosis processes.

It aims to enhance the quality and efficiency of IC testing and contribute to the development of robust, reliable, and cost-effective integrated circuits.

Configure and troubleshoot redundancy on a switched network using STP and Ether Channel. Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.

## SCHEDULE:

Resource Person:

RUPENDRA RAO

13/12/2020	<b>TOPIC:</b> Introduction to Design for Testability (DFT)
14/12/2020	<b>TOPIC:</b> Design and Implementation of Scan Chains
15/12/2020	<b>TOPIC:</b> Fault Models and Test Coverage
16/12/2020	<b>TOPIC:</b> Mixed-Signal and RF IC Testing
17/12/2020	<b>TOPIC:</b> DFT Standards and Industry Best Practices Collaboration and Networking
18/12/2020	<b>TOPIC:</b> Teaching and Research in DFT

## FOR FURTHER DETAILS:

**Ms.K.Prasuna**

HoD, Dept. of ECE

8008842308

[ecehitw@gmail.com](mailto:ecehitw@gmail.com)

**Mrs.Md.Jaheer Fathima**

Asst. professor,

Department of ECE,

9849045232, [fathimamd21@gmail.com](mailto:fathimamd21@gmail.com)





## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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### Program Report

Date: 27-01-2020

<b>Title Of The Event:</b>	A one Week FDP on “ <b>DESIGN FOR TESTABILITY IN IC INDUSTRY</b> ”
<b>Resource Person:</b>	Mr.R.Upendrarao, Managing director of CHIP Electronics Training, Vijayawada.
<b>Duration:</b>	21-01-2020 to 25-01-2020
<b>No Of Participants:</b>	29
<b>Description:</b>	<p>The opening remarks for the FDP was given by Ms.K.Prasuna, Head of the ECE Department. The brief introduction about the program was given by Dr.G.Chenchamma Garu, Principal and the session is handovered to the resource person Mr.R.Upendra Rao.</p> <p><b>TOPICS COVERED:</b></p> <ul style="list-style-type: none"> <li>• Introduction to Design for Testability</li> <li>• Scan Chains and Serial Testing</li> <li>• Built-In Self-Test (BIST)</li> <li>• Test Access Mechanisms (TAM)</li> <li>• Boundary Scan (JTAG)</li> <li>• Fault Coverage Analysis</li> <li>• Testability Metrics</li> <li>• Design Verification Techniques</li> <li>• Test Infrastructure Design</li> </ul>
<b>Objective:</b>	<ul style="list-style-type: none"> <li>• The objectives of Design for Testability in the IC industry are focused on optimizing the testing process and improving fault detection capabilities.</li> <li>• Ultimately producing high-quality, reliable integrated circuits in</li> </ul>



	a cost-effective and timely manner.
<b>Outcomes:</b>	<ul style="list-style-type: none"><li>• Participants should gain the skills to evaluate and improve testability metrics.</li><li>• Participants should acquire hands-on experience with DFT tools.</li><li>• Participants may gain insights into integrating DFT principles into educational curricula, ensuring that future engineers and designers are equipped with the knowledge and skills required by the industry.</li></ul>



**CO-ORDINATOR**

*K. Prasanna*  
**HoD**



**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521,108**



**Organizing Committee Members**

**CHIEF PATRON**  
**Sri B. S. Appa Rao**  
Chairman,  
SRK Foundation

**PATRON**  
**Sri. B. Sri Krishna**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. G. Chenchamma**  
Principal

**CO-CONVENER**  
**Dr.A.C.P.Ranjani**  
Professor & Head,  
Department of CSE

**CO-ORDINATOR**  
**Ms.T.Shalini**  
Asst. Professor,  
Department of CSE

*G-chm*

**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521 108.**

**A Five Day Faculty Development Program**

**On**

**"DATA COLLECTION AND RESEARCH  
ANALYSIS"**

**07-12-2020 to 11-12-2020**

**Registration Form**

**Name:** -----

**Designation:** -----

**Department:** -----

**Name of the Institute:** -----

**Address:** -----  
-----

**State:** -----

**Mobile Number** -----

**E-mail:** -----

**Category:** Academic/Industry/Others

**Signature of Participant**

**Registration Fee Rs: 400 /- Only**

**How to Apply:**

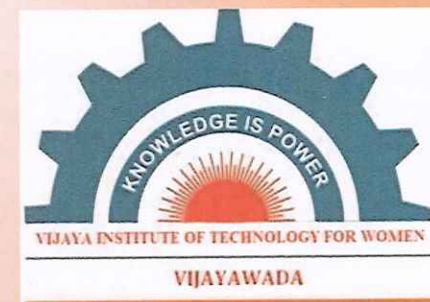
The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: [shalinitamma09@gmail.com](mailto:shalinitamma09@gmail.com)

**Spot Registrations are also allowed.**

**A Five Day  
Faculty Development Program  
On  
"DATA COLLECTION AND  
RESEARCH ANALYSIS "**

**Organized  
By  
Department of Computer Science and  
Engineering**

**07-12-2020 to 11-12-2020**



**VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN**

**An ISO 9001:2015 Certified Institution,  
Affiliated to JNTU, Kakinada,  
Enikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
[www.vitw.edu.in](http://www.vitw.edu.in)**



## ABOUT THE COLLEGE

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## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE) is established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest soft-wares to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

To improve faculty understanding on broad range of techniques available in research methods and data analytics.

Helping faculty comprehend appropriateness of statistical software packages for data collection.

To impart faculty the capabilities of formulation and testing of hypothesis based on the nature of research.

### Data Collection and Research Analysis

Data collection and analysis tools are defined as a series of charts, maps, and diagrams designed to collect, interpret, and present data for a wide range of applications and industries.

Various programs and methodologies have been developed for use in nearly any industry, ranging from manufacturing and quality assurance to research groups and data collection companies.

The systematic application of statistical and logical techniques to describe the data scope, modularize the data structure, condense the data representation, illustrate via images, tables, and graphs, and evaluate statistical inclinations, probability data, and derive meaningful conclusions known as Data Analysis.

## SCHEDULE

07-12-2020	Introduction to research and research design.
	<b>Resource person:</b> <b>Dr.P.Subbaiah</b>
08-12-2020	Qualitative and Quantitative data collection methods. Ethical considerations on data collection.
	<b>Resource person:</b> <b>Dr.P.Subbaiah</b>
09-12-2020	Data analysis techniques
	<b>Resource person:</b> <b>Dr.P.Subbaiah</b>
10-12-2020	Advanced data analysis techniques such as regression analysis, its applications and Analysis of Variance (ANOVA)
	<b>Resource person:</b> <b>Dr.P.Subbaiah</b>
11-12-2020	Ethical considerations in research and network & collaboration opportunities
	<b>Resource person:</b> <b>Dr.P.Subbaiah</b>

## FOR FURTHER DETAILS

**Dr.A.C.P.Ranjani**

**HoD, CSE.**

**Number:** 9848504927

**Mail ID:** [acpranjani@gmail.com](mailto:acpranjani@gmail.com)

**Ms.T.Shalini,**

**Asst.Professor, Department of CSE.**

**Phone Number:** 9966753260,

**E-Mail ID:** [shalinitamma09@gmail.com](mailto:shalinitamma09@gmail.com)





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## PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	<b>“DATA COLLECTION AND RESEARCH ANALYSIS”</b>
<b>Event Start Date</b>	07-12-2020
<b>Event End Date</b>	11-12-2020
<b>Duration</b>	5 Days
<b>No.of Participants</b>	20
<b>Resource Person</b>	<b>Mr.P.Subbaiah,</b> Professor & HoD , MBA, Vijaya Institute of technology for women
<b>Objective</b>	<ol style="list-style-type: none"><li>1.To improvise faculty understanding on broad range of techniques available in research methods and data analytics.</li><li>2. Helping faculty comprehend appropriatenes of statistical software packages for data collection.</li><li>3. To impart faculty the capabilities of formulation and testing of hypothesis based on the nature of research.</li></ol>





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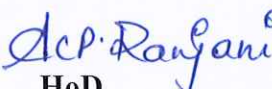
Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

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<b>Description</b>	<p>The Department of Computer Science and Engineering has conducted a 5-day offline faculty development program on “<b>DATA COLLECTION AND RESEARCH ANALYSIS</b>” from 07-12-2020 to 11-12-2020. The program was aimed to enhance the skills and knowledge of faculty by focusing on teaching, research and technology trends.</p> <p><b>Day 1:</b> The resource person, explained the introduction of research and research design. He delivered the importance of data collection and sample design , also depicted about data collection techniques and how to design a research questionnaire.</p> <p><b>Day 2:</b> The resource person had further moved to in-depth explanation about Qualitative and Quantitative data collection methods. He demonstrated about the ethical considerations on data collection .</p> <p><b>Day 3:</b> The resource person unraveled about the Data analysis techniques. He detailed about the introduction of statistical analysis and training on statistical software like SPSS, Excel ,R. He deciphered about Inferential statistics and Hypothesis testing .</p> <p><b>Day 4 :</b>The resource person rationalized regarding advanced data analysis techniques such as regression analysis, its applications and Analysis of Variance (ANOVA).He expounded the introduction on Research presentation and tips for effective research presentation.</p> <p><b>Day 5:</b> The resource person unfolded on the subject of Ethical considerations in research and network&amp; collaboration opportunities. He elaborated on peer review sessions on participant’s research proposals and concluded the program by addressing the queries.</p>
<b>Outcome</b>	<ol style="list-style-type: none"><li>1. Participants demonstrated a heightened understanding of various research methodologies, paradigms, and approaches.</li><li>2. Participants acquired awareness of ethical considerations in data collection</li><li>3. Participants gained hands-on experience with statistical software tools such as SPSS and R.</li></ol>

  
CO-ORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521

  
HoD



## ORGANIZING COMMITTEE MEMBERS

**CHIEF PATRON**  
**Sri B.S.APPARAO**  
Chairman, SRK Foundation

**PATRON**  
**Sri B.S.KRISHNA**  
Secretary, SRK Foundation

**CONVENER**  
**Dr G.CHENCHAMMA**  
Principal

**CO-CONVENER**  
**Mrs. Y.VIJAYA**  
Head of Department,  
Information Technology

**FDP CO-ORDINATOR**  
**Mrs. Y.V.K.D BHAVANI**  
Assistant Professor,  
Department of Information Technology

### How to Apply:

The participants can fill-up the Registration form and send the scanned copy to the email.id: [vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

✓ Spot Registrations are also allowed on 20<sup>th</sup> January 2020 before 9:00 am

## REGISTRATION FORM

A One-Week Faculty Development Program  
On

*Cloud Computing and its  
Applications*

Will be held from  
20<sup>th</sup> Jan 2020 to 25<sup>th</sup> Jan 2020

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications:  
\_\_\_\_\_  
\_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*G. Chinn*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108

Signature of the Participant

A  
One-Week  
Faculty Development Program

On  
**Cloud Computing and its  
Applications**

Will be held from  
20<sup>th</sup> Jan 2020 to 25<sup>th</sup> Jan 2020

In collaboration with

**Pantech e Learning**  
DIGITAL LEARNING SIMPLIFIED

Is being  
Organized by  
*Department of  
Information Technology*



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## DEPARTMENT OF INFORMATION TECHNOLOGY:

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programmed in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology.

## ABOUT PANTECH e LEARNING PVT. LTD:

Our experts are skilled in creating tailor-made and template-based websites for your business. We create an experience that captures the spirit of your company while also providing a seamless user experience, appealing design, and useful information. We offer website design services for all kinds of businesses and people. You can count on our web designer to make your own unique design or choose from the array of awesome pre-designed templates for websites that meet your specific needs & requirements.

## ABOUT THE PROGRAM:

Cloud Computing tutorial provides basic and advanced concepts of Cloud Computing. Our Cloud Computing tutorial is designed for beginners and professionals. Cloud computing is a virtualization-based technology that allows us to create, configure, and customize applications via an internet connection. The cloud technology includes a development platform, hard disk, software application, and database. It is a technology that uses remote servers on the internet to store, manage, and access data online rather than local drives. The data can be anything such as files, images, documents, audio, video, and more.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mrs. Y.V.K.D BHAVANI

Assistant Professor,  
Department of Information Technology  
Contact Number: 9948400394  
Email.ID:[bhavanivani35@gmail.com](mailto:bhavanivani35@gmail.com)

### Mr. CH. PHANI KANTH

Assistant Professor,  
Department of Information Technology  
Contact Number: 9700445556  
Email.ID:[phanikanth.ch@gmail.com](mailto:phanikanth.ch@gmail.com)

## COURSE SCHEDULE:

DATE	TOPICS
20-01-2020	<ul style="list-style-type: none"><li>• Introduction Cloud Computing</li></ul>
21-01-2020	<ul style="list-style-type: none"><li>• Types of Cloud services</li></ul>
22-01-2020	<ul style="list-style-type: none"><li>• Virtualization</li><li>• Cloud Service Providers</li></ul>
23-01-2020	<ul style="list-style-type: none"><li>• Cloud Server</li><li>• Cloud Deployment Model</li></ul>
24-01-2020	<ul style="list-style-type: none"><li>• Cloud Hypervisor</li></ul>
25-01-2020	<ul style="list-style-type: none"><li>• Cloud computing Examples</li></ul>

## RESOURCE PERSON

### Sri. K Praveen Kumar

Project Engineer,  
Pantech e Learning Pvt.Ltd

## NOTE:

- Registration fee ₹300/-
- Interested Persons are requested to register for the program on or before 19<sup>th</sup> Jan 2020.
- Attendance and feedback are mandatory to get a certificate





## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

Date: 27<sup>th</sup> January 2020

### A one week Faculty Development Program report on "Cloud Computing and its Applications"

#### Objectives:

1. To create awareness among faculty over cloud computing and its applications.
  - a. Infrastructure as a Service (IaaS):  
Hosting virtual machines, storage, and networking resources in the cloud.
  - b. Platform as a Service (PaaS):  
Developing, testing, and deploying applications without dealing with the underlying infrastructure.
  - c. Software as a Service (SaaS):  
Accessing software applications over the internet, such as email, CRM, and office productivity tools.
  - d. Data Storage and Backup:  
Storing and backing up data in the cloud for reliability and accessibility.
  - e. Big Data Analytics:  
Analyzing large datasets using cloud-based tools and platforms.
  - f. Desktop as a Service (DaaS):  
Providing virtual desktop environments to users over the internet, etc..
2. To provide knowledge for faculty to Building effective career of students in cloud computing.

#### Description:

From January 20, 2020, to January 25, 2020, the Department of Information Technology hosted a one-week faculty development program on "CLOUD COMPUTING AND ITS APPLICATIONS." The participants in the program experienced an extremely beneficial academic environment. Mrs. Y.V.K.D. Bhavani, Assistant Professor, Department of Information Technology, was given the address for the FDP. Dr. G. Chenchamma, Principal, introduced the program after Mrs. Y. Vijaya, Head of the Department, gave the FDP Keynote Address.





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College Code: NP, Enikepadu, Vijayawada-521108

### **RESOURCE PERSON:**

**Sri. K Praveen Kumar,**  
Project Engineer,  
Pantech e Learning Pvt.Ltd

### **FDP COORDINATOR:**

**Mrs. Y.V.K.D Bhavani,**  
Assistant professor,  
Department of Information Technology

### **Topics covered during program:**

#### **Day-1: Introduction to cloud computing**

Definition of cloud computing, History, Value proposition and Challenges and limitations.

#### **Day-2: Types of cloud Services**

Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) and resource person also discussed overview of service models, Deployment models.

#### **Day-3: Virtualization**

Discussed about Storage, Desktop, Server, Network and other physical machines, full virtualization, Para-virtualization and OS- level virtualization.

#### **Day-4: Cloud Service Providers**

Discussed about Infrastructure, platforms, Software and also resource person discussed overview of service providers.

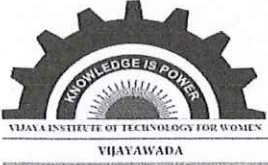
#### **Day-5: Cloud Server and Cloud Deployment Model**

Discussed about Public cloud, private cloud, community cloud and hybrid cloud.

#### **Day-6: Cloud Hypervisor and Cloud computing Examples**

Cost of a Hypervisor, Virtual machine performance. Ecosystem, Test for yourself, performance, ecosystem, KVM, VSphere, and XenServer. Also discussed about some of the examples of cloud computing such as SaaS, PaaS, IaaS, Big data analysis and cyber security.





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### Outcomes:

Cloud computing has emerged as a transformative force in the field of information technology, providing businesses and individuals with unprecedented flexibility, scalability, and accessibility. This program delved into the fundamentals of cloud computing and explores its diverse applications across various industries. From infrastructure to software, cloud computing has revolutionized the way organizations deploy, manage, and utilize computing resources.

Cloud computing has become an indispensable technology that empowers organizations to innovate, collaborate, and scale with unprecedented efficiency. This program served as a comprehensive guide for understanding cloud computing and its multifaceted applications across diverse industries. As technology continues to evolve, embracing cloud solutions will be a key driver of success in the digital era.

*Bhavarani*  
COORDINATOR

*[Signature]*  
HoD

*G. Uma*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108



Organizing Committee Members

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**Dr. G. Chenchamma**  
Principal

**CO-CONVENER**  
**Dr.A.C.P.Ranjani**  
Professor & Head,  
Department of CSE

**CO-ORDINATOR**  
**Ms.T.Shalini,**  
Asst. Professor,  
Department of CSE

*Gchm*

PRINCIPAL  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA-521108

**A One Week Faculty Development Program  
On**

**"CLOUD INFRASTRUCTURE"**

**20-01-2020 to 25-01-2020**

**Registration Form**

Name:

Designation :

Department :

Name of the Institute :

Address:

State:

Mobile Number :

E-mail: :

Category: Academic/Industry/Others

Signature of Participant

**Registration Fee Rs: 300/- Only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: [shalinitamma09@gmail.com](mailto:shalinitamma09@gmail.com)

*Spot Registrations are also allowed.*

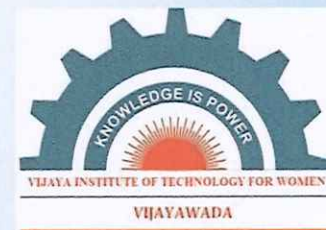
**A ONE WEEK  
FACULTY DEVELOPMENT PROGRAM  
ON**

**"CLOUD INFRASTRUCTURE"**

**Organized  
By**

Department of Computer Science and  
Engineering

**20-01-2020 to 25-01-2020**



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Andhra Pradesh, India  
PH: 0866-2844444  
[www.vitw.edu.in](http://www.vitw.edu.in)



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) was established by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It is a college with a difference.

## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

This program is designed to enhance the knowledge, skills, and capabilities of faculty members in the field of Cloud Infrastructure and Cloud Computing. The objectives of this program can vary depending on the specific goals and context, but here are some common objectives.

Cloud infrastructure refers to the hardware and software components, such as servers, storage, networking, virtualization software, services and management tools, that support the computing requirements of a cloud computing model.

### Role of Cloud Infrastructure in Cloud Computing:

Cloud infrastructure underpins cloud computing by disaggregating the functions and features of those hardware and software components. Then, a cloud service provider -- or information technology (IT) department in the case of private cloud -- hosts those virtualized resources and delivers them to users over the internet or a network.

These resources include virtual machines (VMs) and components, such as servers, memory, network switches, firewalls, load balancers and storage. These resources often support extensive and task-specific services, such as artificial intelligence (AI) and machine learning.

## SCHEDULE

20-01-2020	Overview of cloud computing and its benefits
	<b>Resource person:</b> <b>Mr.KKB Vali Basha</b>
21-01-2020	Networking in the cloud
	<b>Resource person:</b> <b>Mr.KKB Vali Basha</b>
22-01-2020	Infrastructure as Code principles and tools
	<b>Resource person:</b> <b>Mr.KKB Vali Basha</b>
23-01-2020	Virtual Private Cloud (VPC) setup and configuration
	<b>Resource person:</b> <b>Mr.KKB Vali Basha</b>
24-01-2020	Network security groups and access control lists.
	<b>Resource person:</b> <b>Mr.KKB Vali Basha</b>
25-01-2020	Cost optimization and resource management in the cloud.
	<b>Resource person:</b> <b>Mr.KKB Vali Basha</b>

## FOR FURTHER DETAILS

**Dr.A.C.P.Ranjani**

**HoD, CSE.**

**Number: 9848504927**

**Mail ID: acpranjani@gmail.com**

**Ms.T.Shalini,**

**Asst.Professor, Department of CSE.**

**Phone Number: 9966753260,**

**E-Mail ID: shalinitamma09@gmail.com**





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College Code: NP, Enikepadu, Vijayawada-521108

## PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	“CLOUD INFRASTRUCTURE”
<b>Event Start Date</b>	20-01-2020
<b>Event End Date</b>	25-01-2020
<b>Duration</b>	One week
<b>No.of Participants</b>	17
<b>Resource Person</b>	<b>Mr.KKB Vali Bhasha,</b> Assistant Professor, Dept of CSE, Deccan College of Engineering & Technology, Hyderabad.
<b>Objective</b>	<ol style="list-style-type: none"><li>1. By learning about cloud infrastructure, individuals can gain a comprehensive understanding of cloud computing concepts.</li><li>2. Cloud infrastructure knowledge allows individuals to develop the technical skills related to cloud platforms.</li><li>3. Understanding cloud infrastructure allows faculty to design and implement robust disaster, recovery and backup strategies.</li><li>4. Cloud infrastructure knowledge enables faculty to design and implement scalable and flexible solutions.</li></ol>





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<b>Topic covered</b>	Topics covered in FDP are: <ul style="list-style-type: none"><li>• Overview of cloud computing and its benefits.</li><li>• Understanding virtualization and its role in cloud infrastructure</li><li>• Networking in the cloud</li><li>• Identity and Access Management (IAM) in the cloud</li><li>• Security considerations in the cloud</li><li>• Incident response and disaster recovery in the cloud</li><li>• Infrastructure as Code principles and tools</li><li>• Scaling and optimizing cloud resources</li><li>• Virtual Private Cloud (VPC) setup and configuration</li><li>• Network security groups and access control lists</li><li>• Server less computing and Function as a Service (FaaS)</li><li>• Cost optimization and resource management in the cloud</li></ul>
<b>Outcome</b>	In this FDP, the sessions are very worth learning and is very educative. Throughout the training program, hands-on exercises, case studies, and real-world examples are to reinforce the theoretical concepts and provide practical experience. Additionally, discussions on industry trends, challenges, and emerging technologies can help faculty to stay up-to-date with the rapidly evolving field of the cloud infrastructure. By gaining knowledge in these areas, faculty can better understand the opportunities and challenges.

  
CO-ORDINATOR

  
HoD

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108



**ORGANIZING COMMITTEE MEMBERS:**

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**Sri B.S.APPARAO**  
Chairman, SRK Foundation

**PATRON**

**Sri B.S.KRISHNA**  
Secretary, SRK Foundation

**CONVENER**

**Dr G.CHENCHAMMA**  
Principal

**CO-CONVENER**

**Mrs. Y.VIJAYA**  
Head of Department  
Information Technology

**FDP CO-ORDINATOR**

**Mr. A. PRATHAP**  
Assistant Professor,  
Department of IT

**REGISTRATION FORM**

A One-Week Faculty Development Program  
On

**MS AZURE**

Will be held from

19<sup>th</sup> Aug 2019 to 24<sup>th</sup> Aug 2019

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Contact No \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature of the Participant

A  
One-Week  
Faculty Development Program

On  
**MS AZURE**

Will be held from  
19<sup>th</sup> Aug 2019 to 24<sup>th</sup> Aug 2019

Is being  
Organized  
By

Department of  
Information Technology



**VIJAYA INSTITUTE OF  
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Affiliated JNTU Kakinada  
Enikepadu, Vijayawada-521 108  
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**How to Apply:**

The participants can fill-up the Registration form and send the scanned copy to the email.id:

[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- > Spot Registrations are also allowed on 19<sup>th</sup> Aug 2019 before 9:00 am



## ABOUT THE COLLEGE:

The College Vijaya institute of technology for women (VITW) was founded by Sri Boyapati AppaRao garu in 2008, with the objective of providing excellent learning facility for women to pursue education in Engineering. VITW is affiliated to JNTUK, approved by AICTE, certified by ISO 9001:2015. VITW is only women's engineering college in the heart of Vijayawada] city offering engineering undergraduate courses in CSE,ECE,IT and EEE, Master in business administration and diploma engineering courses in DCME,DECE,DEEE.VITW has made its presence felt more with academic, discipline, results and the achievements of its students.

## DEPARTMENT OF INFORMATION TECHNOLOGY:

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programmed in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology.

## ABOUT SRK INSTITUTE OF TECHNOLOGY:

SRK Institute of Technology is a nonprofit organization established under the flagship of SRK Foundation in 2007. The institution was born out of the benign vision of eminent educationist and industrialist, Sri B. S. AppaRao, who desired of providing quality education to the rural and semi urban students. The institution is located on the National Highway 16 in the city of Vijayawada, also known as cultural capital of Andhra Pradesh, on the banks of river Krishna. Its location makes it one of the most accessible colleges. The institution is located in the area of 6.57 acres with 27,829 sqm of built up area. The institution is approved by AICTE, New Delhi on 30th August 2007 and the government of Andhra Pradesh. The institution is affiliated to Jawaharlal Nehru Technological University, Kakinada.

## ABOUT THE PROGRAM:

Microsoft Azure is a cloud computing platform that provides a wide variety of services that we can use without purchasing and arranging our hardware. It enables the fast development of solutions and provides the resources to complete tasks that may not be achievable in an on-premises environment. Azure Services like compute, storage, network, and application services allow us to put our effort into building great solutions without worrying about the assembly of physical infrastructure. This tutorial covers the fundamentals of Azure, which will provide us the idea about all the Azure key services that we are most likely required to know to start developing solutions. After completing this tutorial, we can crack job interviews or able to get different Microsoft Azure certifications.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mr. A. PRATHAP

Assistant Professor,  
Department of Information Technology  
Contact Number: 8367674977  
Email.ID: [Prathap.adimoolam@gmail.com](mailto:Prathap.adimoolam@gmail.com).

### Mr. CH. PHANI KANTH

Assistant Professor,  
Department of Information Technology  
Contact Number: 9700445556  
Email.ID: [phanikanth.ch@gmail.com](mailto:phanikanth.ch@gmail.com)

## COURSE SCHEDULE:

DATE	TOPICS
19-08-2019	<ul style="list-style-type: none"><li>• Introduction to AZURE</li><li>• Azure Services</li></ul>
20-08-2019	<ul style="list-style-type: none"><li>• Azure Storage Service</li></ul>
21-08-2019	<ul style="list-style-type: none"><li>• Network Services</li></ul>
22-08-2019	<ul style="list-style-type: none"><li>• Compute Services</li></ul>
23-08-2019	<ul style="list-style-type: none"><li>• App Services</li><li>• Database Service</li></ul>
24-08-2019	<ul style="list-style-type: none"><li>• Azure DevOps</li></ul>

## RESOURCE PERSON:

### Dr. A. RADHIKA

Associate Professor,  
Department of CSE,  
SRK Institute of Technology

## NOTE:

- Registration fee ₹ 300/-
- Interested Persons are requested to register for the program on or before 18<sup>th</sup> Aug 2019.
- Attendance and feedback are mandatory to get a certificate.





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College Code: NP, Enikepadu, Vijayawada-521108

Date: 26<sup>th</sup> August 2019

### A one week Faculty Development Program report on "MS AZURE"

#### Objectives:

To create awareness among faculty over

- Azure provides the flexibility to easily scale resources up or down, allowing the organization to adapt to changing workloads.
- Use of Azure to optimize costs by paying only for the resources you consumes. Take advantage of features like auto-scaling, reserved instances, and cost management tools to control and reduce your overall cloud expenses.
- Utilize Azure's global infrastructure to enhance the reliability and availability of applications.
- Implement robust security measures and compliance standards using Azure's built-in security features.
- Implement DevOps practices using Azure DevOps Services or GitHub Actions to streamline development, testing, and deployment processes. Automate workflows to achieve faster and more reliable application delivery.

#### Description:

The Department of Information Technology scheduled a one-week faculty development workshop on "MS AZURE" to take place from August 19<sup>th</sup> to August 24<sup>th</sup>, 2019. The participants experienced an incredibly supportive academic environment throughout the program. The dignitaries were greeted by Assistant Professor Mr. A. Prathap of the Department of Information Technology. The FDP keynote address was delivered by the department head, Mrs. Y. Vijaya. The principal, Dr. G. Chenchamma, then introduced the program and session is handover to the Dr. A. Radhika.

#### Resource Person:

**Dr. A. Radhika**  
Head of the Department,  
Computer Science Engineering,  
SRK Institute of Technology, Vijayawada





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College Code: NP, Enikepadu, Vijayawada-521108

### FDP Coordinator:

**Mr. A. Prathap**

Associate professor,

Department of Information Technology

### Topics covered during the program:

#### Day 1: Introduction to AZURE

Introduction to AZURE, Azure is Microsoft's Cloud Platform, just like Google has its Google cloud and Amazon has its Amazon Web service or AWS.

#### Day 2: AZURE Storage Service

Azure Storage offers highly available, massively scalable, durable, and secure storage for a variety of data objects in the cloud.

#### Day 3: Network Services

Azure Virtual Network is a service that provides the fundamental building block for your private network in azure.

#### Day 4: Compute Services

Azure Compute Services are the core set of cloud computing services that allow you to deploy and manage workloads on Microsoft Azure.

#### Day 5: App Services

Azure App Service is a fully managed platform as a service (PaaS) offering for developers.

#### Day 6: Azure DevOps

Azure DevOps is software as a service (SaaS) platform that provides DevOps practices and tools for the end -to-end Software life cycle.

### Outcomes:

The faculty members' knowledge of MS AZURE was enhanced by the FDP program. All attendees gained deep understanding of the subjects covered.

#### 1. Cost Savings and Optimization:

- Pay-as-You-Go Model: Organizations can optimize costs by paying only for the resources they use, leveraging the pay-as-you-go model.
- Resource Scaling: Dynamic scaling of resources based on demand allows organizations to avoid over-provisioning and reduce unnecessary costs.





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- Scalability: Azure's scalability allows organizations to adapt quickly to changing workloads and business requirements.
- Faster Time-to-Market: Accelerate development and deployment cycles, resulting in quicker time-to-market for applications and services.

## 2. Reliability and High Availability:

- Global Data Center Presence: Azure's global infrastructure provides high availability, with data centers located in multiple geographic regions.
- Availability Features: Services like Azure Availability Zones enhance reliability by providing fault tolerance within a region.

## 3. Security and Compliance:

- Built-in Security: Azure offers robust built-in security features, including identity management with Azure Active Directory, encryption, and threat detection.
- Compliance Standards: Organizations can meet industry-specific compliance standards by leveraging Azure's compliance certifications.

## 4. DevOps and CI/CD Practices:

- Automated Workflows: Implementing DevOps practices with Azure DevOps Services or GitHub Actions leads to automated workflows, improving collaboration between development and operations teams.
- Efficient CI/CD Pipelines: Azure facilitates the creation of efficient Continuous Integration and Continuous Deployment (CI/CD) pipelines for faster and more reliable application delivery.

## 5. Data Management and Analytics:

- Effective Data Management: Azure provides a range of data services for effective data management, storage, and analytics (e.g., Azure SQL Database, Azure Cosmos DB, Azure Data Lake Storage).
- Actionable Insights: Organizations can derive actionable insights from their data using Azure's analytics and reporting capabilities.

  
COORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA-521108

  
HOD



**ORGANIZING COMMITTEE MEMBERS**

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Chairman,  
SRK Foundation

**PATRON**  
**Sri B. SRI KRISHNA**  
Secretary,  
SRK Foundation

**CONVENER**  
**Dr. Ch. CHENCHAMMA**  
Principal

**CO-CONVENER**  
**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of  
BUSINESS ADMINISTRATION

**CO-ORDINATOR**  
**Mrs. N. NIRUPAMA**  
Assistant Professor,  
Department of  
BUSINESS ADMINISTRATION

**A One Week Faculty Development Programme  
On**

**“CREATIVE THINKING – A NEW  
APPROACH”**

**19/08/2019 to 26/08/2019**

**REGISTRATION FORM**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee: Rs. 250/-**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

***vijayamba08@gmail.com***

**Spot Registrations are also allowed.**

**G. Uma**  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521.108**

**A One week  
Faculty Development Program**

**ON**

**CREATIVE THINKING  
–  
A NEW APPROACH**

**Organized by  
Department of  
BUSINESS ADMINISTRATION**

**19/08/2019 to 26/08/2019**



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www.vitw.edu.in**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE and IT, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT MBA DEPARTMENT

The department was established in the year 2009 and offers 2 year full time Master of Business Administration (MBA) program with the approval of AICTE, and affiliated to JNTUK. We at the Department instil aptitude to think logically and act rationally. Faculty members at Department promote knowledge through teaching, research and training. Various tools are used to allow students to become Managers, Leaders and Entrepreneurs

## OBJECTIVES OF FDP:

Creative Thinking is an invaluable skill and it is important because it helps you to look at problems and situations from a new perspective. It also helps you to develop innovative solutions that do not depend wholly on past or current solutions.

Creativity is the only element that supports logical, strategic and adventurous thinking. Creative Thinking is also essential for change management, as it can help you to identify opportunities and overcome challenges. In short it makes you a better Problem Solver.

## SCHEDULE:

19/08/2019 TO 21/08/2019	TOPIC: Introduction to Creative Thinking, Process of Creative Thinking, Requirements and Challenges of Creative Thinking.  <b>Resource Person:</b> <b>MRS. B. JYOTSNA</b>
22/08/2019 TO 26/08/2019	TOPIC: Creative Thinking Techniques, Solutions to Critical Problems and Alternate solutions for Complex problems.  <b>Resource Person:</b> <b>MR. SOHAN PAPPU</b>

## FOR FURTHER DETAILS:

**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of business administration  
7674002244  
drpsubbaiah@gmail.com

**Mrs. N. NIRUPAMA**  
Assistant Professor,  
Department of business administration  
9618524777  
nirupamacherry@gmail.com





# VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO-9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

## REPORT ON

### A ONE WEEK FACULTY DEVELOPMENT PROGRAM ON “CREATIVE THINKING – A NEW APPROACH”

Date: 27<sup>th</sup> August 2019

In a view to develop Creative Thinking for taking new challenges, Department of Business Administration of Vijaya Institute of Technology for Women organized a one week Faculty Development Programme on “CREATIVE THINKING – A NEW APPROACH” from 19<sup>th</sup> August to 26<sup>th</sup> August, 2019.

#### OBJECTIVE OF THE FDP:

Creative Thinking is an invaluable skill and is important because it helps you to look at problems and situations from a new and different perspective. It also helps you to develop innovative solutions that do not depend completely on past or current solutions.

Creativity is the only element that supports logical thinking and strategic thinking. Creative Thinking is also essential for Change management, as Change is continuous in life and it can help you to identify opportunities and overcome challenges. In short it makes you a better Problem Solver.

#### RESOURCE PERSONS:

1. Mrs. B. JYOTSNA, Founder, Pure Mushrooms, Nidamanuru, Vijayawada.
2. Mr. SOHAN PAPPU, Vice Chairman, Our Youth Social Community (OYSC), TedX Speaker, Editor.

NO OF PARTICIPANTS: 21





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### INAUGURATION OF THE FDP:

The Faculty Development Program started with an inaugural session on 19<sup>th</sup> June, 2019 in the presence of the resource person **Mrs. B. JYOTSNA**, Founder and Chairman, Pure Mushrooms, Nidamanuru, Vijayawada, **Dr. G. CHENCHEMMA**, Principal, **Dr. P. SUBBAIAH**, HoD of Business Administration and other faculty members.

The session began with welcome address by **Mrs.N.NIRUPAMA**, Assistant Professor, Dept. of Business Administration, who also discussed the Key Components of the Faculty Development Program.

The Principal **Dr. G. CHENCHEMMA** addressed the Participants about the programme and **Dr. P. SUBBAIAH**, HoD, Dept. of Business Administration addressed the audience with his valuable words.

### THE JOURNEY OF FDP:

- The First three Days of FDP that is from 19<sup>th</sup> to 21<sup>st</sup> August were delivered by the Resource Person **Mrs. B. JYOTSNA**, Founder and Chairman, Pure Mushrooms, Nidamanuru, Vijayawada with an introduction to Creative Thinking and components of Creative Thinking
  - ✓ Day 1 with an introduction to Creative Thinking, components and Process of Creative Thinking.
  - ✓ Day 2 with Requirements of Creative Thinking and the challenges faced in being different.
  - ✓ Day 3 with relevant case studies and personal experiences the Resource Person had during the establishment of Pure Mushrooms.
  
- Next Three Days of FDP that is from 22<sup>nd</sup> to 26<sup>th</sup> August were delivered by **Mr. SOHAN PAPPU**, Vice Chairman, Our Youth Social Community (OYSC), TedX Speaker and Editor.
  - ✓ Day 4 with Creative Thinking Techniques for arriving solutions to problems.
  - ✓ Day 5 with relevant case studies and new alternative solutions for them.
  - ✓ Day 6 with summing up the incidents the Resource Person met with and clarifying the queries of the Participants.





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## OUTCOME OF THE FDP:

After attending the Faculty Development Program, the participants will understand

- How to think creatively and being different,
- How to overcome the challenges with Creative thinking and
- How to derive alternate solutions by using Creative Thinking.


## VALEDICTORY SESSION:

A Valedictory Session was held to mark the five day journey of the FDP on 26<sup>th</sup> August, 2019. It was attended by the Principal, HOD's and other staff members from various Departments.

The Session ended with a **Vote of Thanks** by Mr. Ch. Venkateswarlu, Assistant Professor, Department of Business Administration with a hope that the participants will think creatively, takes wise decisions by using creative thinking and acts creatively for their overall development.

  
Co-ordinator

  
HoD

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108



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SRK Foundation

CONVENER  
**Dr. G. Chenchamma**  
Principal

CO-CONVENER  
**Dr.B.Sukumar Babu**  
Professor & Head,  
Department of CSE

CO-ORDINATOR  
**Mrs.J.Hymavathi**  
Asst. Professor,  
Department of CSE

**A One Week Faculty Development Program**

On

**“ARTIFICIAL INTELLIGENCE AND  
MACHINE LEARNING”**

**17-06-2019 to 22-06-2019**

**Registration Form**

Name:

Designation :

Department :

Name of the Institute :

Address:

State:

Mobile Number :

E-mail: :

Category: Academic/Industry/Others

Signature of Participant

**Registration Fee Rs: 2500 /- Only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: **shalinitamma09@gmail.com**

*Spot Registrations are also allowed.*

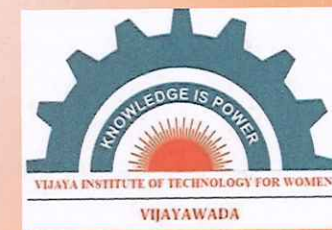
**A ONE WEEK  
FACULTY DEVELOPMENT PROGRAM  
ON**

**“ARTIFICIAL INTELLIGENCE AND  
MACHINE LEARNING”**

Organized  
By

Department of Computer Science and  
Engineering

**17-06-2019 to 22-06-2019**



VIJAYA INSTITUTE OF TECHNOLOGY  
FOR WOMEN

**G. Uma** An ISO 9001:2015 Certified Institution,  
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Andhra Pradesh, India  
PH: 0866-2844444  
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## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE), and was established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

The Faculty Development Program aimed to enhance the faculty's skills and understanding in the fields of Artificial Intelligence (AI) and Machine Learning (ML) and Generative AI, equipping them to impart knowledge to their students effectively.

### Role of Artificial Intelligence and Machine Learning:

Artificial intelligence (AI) is a branch of computer science dedicated to creating intelligent systems that can perform tasks requiring human-like intelligence. Within AI, machine learning (ML) plays a critical role by developing algorithms and models that enable computers to learn and make predictions or decisions autonomously. Machine learning is fundamental to AI, allowing machines to improve their performance over time through data-driven learning.

In this program, the resource person will delve into the significance of machine learning in artificial intelligence and its implications for the future of intelligent systems.

## SCHEDULE

17-06-2019	Introduction of Artificial Intelligence & Machine Learning
	<b>Resource person:</b> <b>Mr. R.B.V. Subramaanyam</b>
18-06-2019	Computer vision, and reinforcement learning, Practical examples
	<b>Resource person:</b> <b>Mr. R.B.V. Subramaanyam</b>
19-06-2019	Neural networks, deep learning architectures, and model optimization techniques
	<b>Resource person:</b> <b>Mr. R.B.V. Subramaanyam</b>
20-06-2019	Specialized areas within AIML, such as transfer learning, generative models
	<b>Resource person:</b> <b>Dr.D.V.L.N.Somayajulu</b>
21-06-2019	Ethical considerations in AI by addressing topics like bias
	<b>Resource person:</b> <b>Dr.D.V.L.N.Somayajulu</b>
22-06-2019	Review, practical demonstrations, and discussions on the future trends and evolving landscape of AIML
	<b>Resource person:</b> <b>Dr.D.V.L.N.Somayajulu</b>

## FOR FURTHER DETAILS

**Dr.B.Sukumar Babu**  
HOD, CSE.

**Mrs.J.Hymavathi**  
Asst. Professor  
Number: 9652777444  
Mail ID: [janaswamihymavathi@gmail.com](mailto:janaswamihymavathi@gmail.com)





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College Code: NP, Enikepadu, Vijayawada-521108

## PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	<b>“ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING”</b>
<b>Event Start Date</b>	17-06-2019
<b>Event End Date</b>	22-06-2019
<b>Duration</b>	One week
<b>No.of Participants</b>	40
<b>Resource Persons</b>	<b>Mr.R.B.V.SUBRAMAANYAM,</b> Professor CSE,E&ICT Academy,NIT Warangal. <b>Dr.D.V.L.N.Somayajulu,</b> Co-ordinator & Director, IITDM, Kurnool
<b>Objective</b>	<ul style="list-style-type: none"><li>• To work on important technologies of AI&amp;ML: Practical implementation of every technique with the real world applications.</li><li>• Understand the concept of artificial neural networks, convolution neural networks, and recurrent neural networks</li><li>• Applications of AI&amp;ML in various domains, impact of AI&amp;ML in future technologies and to bring in the practical insights into the current development of the field.</li></ul>





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<p><b>Description</b></p>	<p>The Department of Computer Science and Engineering has conducted a one-week offline faculty development program on “<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING</b>” from 17-06-2019 to 22-06-2019. The program was aimed to enhance the skills and knowledge of faculty by focusing on teaching, research and technology trends.</p> <p><b>Day 1:</b> The resource person explained the introduction of Artificial Intelligence &amp; Machine Learning, key AI&amp;ML concepts, and a hands-on activity to set the foundation for the upcoming sessions.</p> <p><b>Day 2:</b> The resource person had further moved into the topics about computer vision, and reinforcement learning. Practical examples and case studies could help participants grasp real-world implementations.</p> <p><b>Day 3:</b> The resource person explained about the topic neural networks, deep learning architectures, and model optimization techniques.</p> <p><b>Day 4:</b> The resource person gave a clear explanation on specialized areas within AI&amp;ML, such as transfer learning, generative models. Helps to gain a broader perspective on AI&amp;ML applications and challenges.</p> <p><b>Day 5:</b> The resource person trained on the topic about Ethical considerations in AI by addressing topics like bias, privacy, and transparency ensures that future AI practitioners approach their work with a thoughtful and ethical mindset.</p> <p><b>Day 6:</b> The resource person gave a comprehensive review, practical demonstrations, discussions on the future trends, evolving landscape of AI&amp;ML and inspired participants for continue in and exploration in the field of AI&amp;ML.</p>
<p><b>Outcome</b></p>	<ol style="list-style-type: none"> <li>1. This enabled them to acquire knowledge to solve a real-world problem using AI&amp;ML techniques and hands-on approach allowing them to showcase their skills and solidify their understanding.</li> <li>2. Help to enhance educators and understand about AI&amp;ML concepts, fostering hands-on skills in implementing AI&amp;ML algorithms, and promoting effective teaching.</li> <li>3. Gain a comprehensive understanding of AI&amp;ML concepts and empowered faculty members to impart knowledge on AI&amp;ML effectively to the student.</li> </ol>

  
CO-ORDINATOR

  
PRINCIPAL  
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ENIKEPADU, VIJAYAWADA-521108

  
HoD



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Chairman, SRK Foundation

**PATRON**

**Sri B. Sri Krishna**  
Secretary, SRK Foundation

**CONVENOR**

**Dr.G. Chenchamma**  
Principal, VITW

**CO-CONVENOR &  
Co-ordinator**

**Ms.K.Prasuna**  
HoD., Dept. of ECE  
VITW

**A One Week National Level Faculty  
Development Programme  
On**

**“SIGNAL PROCESSING USING DEEP  
LEARNING APPLICATIONS”**

**10/06/2019 to 15/06/2019**

**Registration Form**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Name of the Institute:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**State:** \_\_\_\_\_

**Mobile Number** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

\_\_\_\_\_

**Signature of Participant**

**Registration Fee:-250/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send to the mail-id: [eechvitw@gmail.com](mailto:eechvitw@gmail.com)

**Spot Registrations are also allowed.**

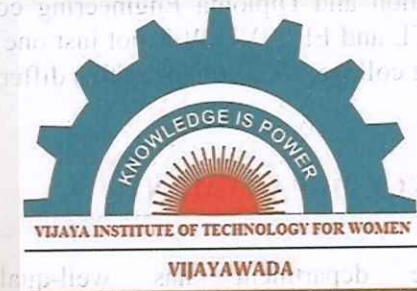
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**Organized by  
Department of ECE**

**10/06/2019 to 15/06/2019**



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## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

To empower participants with comprehensive knowledge and practical skills in leveraging deep learning techniques for signal processing tasks. Cover applications of deep learning in audio signal processing, such as speech recognition, music analysis, and sound classification, enabling participants to apply these techniques in real-world scenarios.

Examine the use of deep learning for image and video signal processing, including tasks like image classification, object detection, and video analysis, and fostering expertise in visual information processing. Provide participants with a solid understanding of fundamental concepts in signal processing and the role of deep learning in enhancing traditional methods. Provide hands-on experience in implementing deep learning models for signal processing tasks, using popular frameworks such as Tensor Flow or PyTorch.

Participants should be equipped with the knowledge and skills needed to integrate deep learning techniques effectively into signal processing applications, promoting advancements in research, education, and industry practices.

## SCHEDULE:

10/06/2019	<b>TOPIC:</b> Introduce Fundamental Concepts Explore Deep Learning Architectures <b>Resource person:</b> Dr.Ravi Kumar Jathosh
11/06/2019	<b>TOPIC:</b> Applications in Audio Signal Processing Image and Video Signal Processing <b>Resource person:</b> Prof Ganapathi Panda
12/06/2019	<b>TOPIC:</b> Implementation of Deep Learning Models Performance Evaluation and Optimization <b>Resource person:</b> Dr.Farooq Hasmi
13/06/2019	<b>TOPIC:</b> Performance Evaluation and Optimization <b>Resource person:</b> Dr.Kadambari
14/06/2019	<b>TOPIC:</b> Biomedical Signal Processing <b>Resource person:</b> Bandi Nagendra
15/06/2019	<b>TOPIC:</b> Promote Research and Innovation <b>Resource person:</b> Dr.B.K.N.Srinivasa Rao

## FOR FURTHER DETAILS:

Ms.K.Prasuna  
HoD, Dept. of ECE  
Phone Number: 8008842308  
Mail ID: [ecchvitw@gmail.com](mailto:ecchvitw@gmail.com)





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## Program Report


Date: 17-09-2019

<b>Title Of The Event:</b>	A one Week FDP on “ <b>SIGNAL PROCESSING USING DEEP LEARNING APPLICATIONS</b> ”
<b>Resource Person Names:</b>	<p><b>1. Dr. Ravi Kumar Jathosh</b>, Associate professor, Department of ECE, National Institute of Technology (NIT), Warangal</p> <p><b>2. Prof Ganapathi Panda</b>, visiting professor, IIT Bhubaneswar</p> <p><b>3. Dr. Farooq Hasmi</b>, Assistant professor, Department of ECE, National Institute of Technology (NIT), Warangal</p> <p><b>4. Dr. Kadambari</b>, Assistant professor, Department of CSE, National Institute of Technology (NIT), Warangal</p> <p><b>5. Bandi Nagendra</b>, Corel Technologies, Bangalore</p> <p><b>6. Dr. B.K.N. Srinivasa Rao</b>, Assistant professor, Department of ECE, National Institute of Technology (NIT), Warangal</p>
<b>Duration:</b>	10/06/2019 to 15/06/2019
<b>No of Participants:</b>	44
<b>Description:</b>	<p>Ms.K.Prasuna, HOD of ECE welcomed all the respected dignitaries and participants and emphasized the benefits of such kind of resourceful activity. Dr. G.Chenchamma Garu, Principal appreciated the program organized by ECE dept. and encouraged for such activities. Then the session was handovered to the resource persons.</p> <p>Covered topics:</p> <ul style="list-style-type: none"><li>• Introduce Fundamental Concepts</li><li>• Explore Deep Learning Architectures</li><li>• Applications in Audio Signal Processing</li><li>• Image and Video Signal Processing</li></ul>



	<ul style="list-style-type: none"> <li>• Implementation of Deep Learning Models</li> <li>• Performance Evaluation and Optimization</li> <li>• Performance Evaluation and Optimization</li> <li>• Biomedical Signal Processing</li> <li>• Promote Research and Innovation</li> </ul>
<b>Objective:</b>	<ul style="list-style-type: none"> <li>• Providing participants with a comprehensive understanding of the integration of signal processing principles with deep learning techniques.</li> <li>• Familiarize participants with the fundamental principles of neural networks, back propagation, and activation functions.</li> <li>• Teach participants how to adapt deep learning architectures like CNNs and RNNs for signal processing applications.</li> </ul>
<b>Outcomes:</b>	<ul style="list-style-type: none"> <li>• Develop a mindset for continuous learning by providing resources and encouraging participants to stay updated on emerging trends in signal processing and deep learning.</li> <li>• Participants not only gain theoretical knowledge but also acquire the practical skills needed to apply deep learning in signal processing effectively.</li> </ul>

K. Prasanna  
CO-ORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521, 108

K. Prasanna  
HoD



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**CONVENOR**

**Dr. G. Chenchamma**  
Principal, VITW

**COORDINATORS**

**Ms.R.Divya**  
Assistant Professor,  
ECE Department  
VITW

**RESOURCE PERSON**

**Mrs. V.MADHURI**  
Assistant professor, PSCMR College,  
Vijayawada.

**A One Week Faculty Development Programme  
On  
"UNDERSTANDING THE CONCEPT OF  
NODE AND REACT JAVA SCRIPT"**

**13-05-2019 to 18-05-2019**

**Registration Form**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Name of the Institute: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

State: \_\_\_\_\_

Mobile Number \_\_\_\_\_

E-mail: \_\_\_\_\_

**For more information Contact**

**Signature of Participant**

**Registration Fee-250/-**

**How to Apply:**

The Participants can Fill-up the Registration form and send to the mail-id: **ecehvitw@gmail.com**

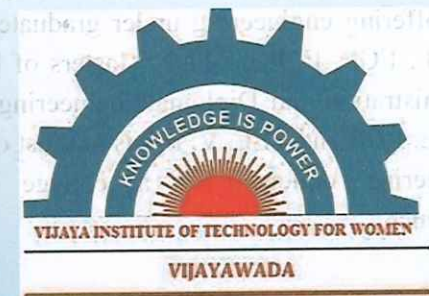
*Spot Registrations are also allowed.*

**A Five Day  
Faculty Development Program**

**ON  
"UNDERSTANDING THE CONCEPT OF  
NODE AND REACT JAVA SCRIPT"**

**Organized by  
Department of ECE**

**13-05-2019 to 18-05-2019**



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## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department.

The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

JavaScript library for building user interfaces. When working with ReactJS, there are several objectives and goals you can aim to achieve:

The primary objective of ReactJS is to develop dynamic and interactive user interfaces for web and mobile applications.

The ultimate objective of React development is to provide a positive and engaging user experience by creating intuitive and interfaces. This is used for educational purposes. Many individuals and organizations have the objective of teaching or learning reactjs to keep up with modern web development practices.

Objective of teaching or learning Reactjs to keep up with modern web development practices.

## SCHEDULE:

RESOURCE PERSON

**Mrs. V.MADHURI**

13/05/2019	TOPIC: Introduction to React JS
14/05/2019	TOPIC: Event Driven Architecture
15/05/2019	TOPIC: File System Operations
16/05/2019	TOPIC: Security and Authentication
17/05/2019	TOPIC : Error handling&Debugging
18/05/2019	TOPIC: Testing &Test cells

## FOR FURTHER DETAILS:

**Ms. K.Prasuna**

HoD,Dept.of ECE

8008842308

Mail.ID: [ecehvitw@gmail.com](mailto:ecehvitw@gmail.com)

**Ms. R.Divya**

Assistant Professor,

ECE Department

7386623667





## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone: 0866-2844444, Email: [vijayatechfw@gmail.com](mailto:vijayatechfw@gmail.com) Website: [www.vitw.edu.in](http://www.vitw.edu.in)

College Code: NP, Enikepadu, Vijayawada-521108

### Program Report


Date: 21-05-2019

<b>Title Of The Event:</b>	A one week FDP on “UNDERSTANDING THE CONCEPT OF NODE AND REACT JAVA SCRIPT”
<b>Resource Person Name:</b>	Mrs. V. MADHURI, Assistant Professor, PSCMR College, Vijayawada.
<b>Duration:</b>	13-05-2019 to 18-05-2019
<b>No Of Participants:</b>	27
<b>Description:</b>	<p>The opening remarks for the FDP was given by Ms.K.Prasuna, Head of the ECE Department. The brief introduction about the program was given by Dr.G.Chenchamma Garu, Principal and the session is handedover to the resource person Mrs.V.Madhuri.</p> <p>The below things are discussed by the resource person</p> <ul style="list-style-type: none"><li>• Introduction to React JS</li><li>• Event Driven Architecture</li><li>• File System Operations</li><li>• Error handling &amp; Debugging</li><li>• Testing &amp; Test frameworks</li></ul> <p>The resource person Gave an overview of React JS and Node JS are both JavaScript technologies. But the uses of Node JS and React JS are entirely different. Node JS is a framework of JavaScript which is mainly used for working with the backend of our application or building the backend using JavaScript, whereas React JS is a JavaScript front-end library. React is a declarative, efficient, and flexible JavaScript library for building user interfaces.</p> <p>In JavaScript, classes are just a type of function, and instantiating classes will yield another object, or a variable with many</p>



	values.
<b>Objective:</b>	<ul style="list-style-type: none"> <li>• The objective of this FDP equips participants with the skills needed to develop full-stack applications using Node.js for the backend and React.js for the frontend.</li> <li>• The combination of theoretical sessions ensures a comprehensive understanding of the technologies.</li> </ul>
<b>Outcomes:</b>	<ul style="list-style-type: none"> <li>• In this FDP, the sessions are worth learning and is very enlightening. By learning these topics, faculty can develop a solid foundation. By gaining knowledge in these areas, faculty are able to understand the opportunities and challenges.</li> <li>• Empowered the participants with the knowledge and skills required for effective and efficient development using Node.js and React.js.</li> </ul>

  
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TECHNOLOGY FOR WOMEN  
& MINISTRY OF  
ENIKERPA

  
HoD



Organizing Committee Members

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**CONVENER**


**Dr. G. Chenchamma**  
Principal

**CO-CONVENER**

**Dr.B.Sukumar Babu**  
HOD, CSE

**CO-ORDINATOR**

**Mrs. J.Hymavathi**  
Asst.professor

  
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ENIKEPADU, VIJAYAWADA-521 108.

**A One Week Faculty Development Program**

**On**

**“Robotics and Digital Reality”**

**04-03-2019 to 11-03-2019**

**Registration Form**

**Name:**

**Designation:**

**Department:**

**Name of the Institute:**

**Address:**

**State:**

**Mobile Number**

**E-mail:**

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee Rs: 300/- Only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id:

**[janaswamihymavathi@gmail.com](mailto:janaswamihymavathi@gmail.com)**

**Spot Registrations are also allowed.**

**A ONE WEEK  
FACUTLY DEVELOPMENT PROGRAM  
ON**

**“ROBOTICS AND DIGITAL REALITY”**

**Organized  
By**

**Department of Computer Science and  
Engineering**

**04<sup>th</sup> March 2019 – 11<sup>th</sup> March 2019**



**VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN**

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Enikepadu, Vijayawada-521108,  
Andhra Pradesh, India  
PH: 0866-2844444  
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## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) was established by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It is a college with a difference.

## ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established in the year 2008 with a view to develop quality engineers to meet the current trends.

The Department provides undergraduate program in B.Tech (CSE), and is noted for research and teaching excellence. Its faculty members are engaged in breakthrough research across the leading areas of Computer Science and Engineering.

The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

By learning about robotics and digital reality, faculty can gain a comprehensive understanding of robotics concepts.

The main purpose for using real or virtual robotics is to achieve desired outcomes, improve general learning skills, and construct knowledge and creation. It provides a comprehensive hands-on experience in building robotic applications.

It facilitates faculty to understand, design and learn robotics to educate the learners.

### Enhance Technical Proficiency:

Develop faculty members' technical skills in robotics and digital reality, ensuring they have a strong foundation in the principles, programming, and applications of these technologies.

### Curriculum Integration:

Enable faculty to integrate robotics and digital reality concepts seamlessly into existing courses or develop new courses that incorporate these technologies.

## SCHEDULE

04-03-2019	Introduction to Robotics and Digital Reality
	<b>Resource person:</b> <b>Mr.T.Anil Karuna Kumar</b>
05-03-2019	Robotics hardware and software.
	<b>Resource person:</b> <b>Mr.T.Anil Karuna Kumar</b>
06-03-2019	Robotics Applications
	<b>Resource person:</b> <b>Mr.T.Anil Karuna Kumar</b>
07-03-2019	Computer vision Techniques, Digital Reality Technologies
	<b>Resource person:</b> <b>Mr.T.Anil Karuna Kumar</b>
08-03-2019	Control systems of Robotics
	<b>Resource person:</b> <b>Mr.T.Anil Karuna Kumar</b>
11-03-2019	Advanced topics in Robotics
	<b>Resource person:</b> <b>Mr.T.Anil Karuna Kumar</b>

### FOR HELP:

**Dr.B.Sukumar Babu**

HOD, CSE.

**Mrs. J.Hymavathi**

Asst.professor, Department of CSE

Phone Number: 9652777444

Mail ID: [janaswamihymavathi@gmail.com](mailto:janaswamihymavathi@gmail.com)





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College Code: NP, Enikepadu, Vijayawada-521108

### PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	<b>“ROBOTICS AND DIGITAL REALITY”</b>
<b>Event Start Date</b>	04-03-2019
<b>Event End Date</b>	11-03-2019
<b>Duration</b>	One week
<b>No.of Participants</b>	23
<b>Resource Persons</b>	<b>T.Anil Karuna Kumar,</b> Assistant Professor, Dept of CSE, Narayana Engineering college, Gudur.
<b>Objective</b>	<ul style="list-style-type: none"><li>• By learning about robotics and digital reality, faculty can gain a comprehensive understanding of robotics concepts.</li><li>• The main purpose for using real or virtual robotics is to achieve desired outcomes, improve general learning skills, construct knowledge and creation.</li><li>• It provides a comprehensive hands-on experience in building robotic applications.</li><li>• It facilitates faculty to understand, design and learn robotics to educate the learners.</li></ul>





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College Code: NP, Enikepadu, Vijayawada-521108

<b>Topic covered</b>	<p>Topics covered in FDP are:</p> <ul style="list-style-type: none"><li>• Introduction to Robotics: Overview of robotics, its applications and importance in various industries.</li><li>• Basics of Robotics: It gives a brief explanation about the components of a robot, sensors, actuators, and control systems.</li><li>• Robot Programming: Explained about commonly used programming languages in robotics, such as Python or C++.</li><li>• Kinematics and Motion Planning: Taught the faculty on how robots move and plan their trajectories.</li><li>• Robot Perception: Explained different sensing technologies used in robotics.</li><li>• Robot Vision: Introduced computer vision techniques for object recognition and tracking.</li><li>• Robot Control Systems: Educated about the control theory and techniques for robot motion control.</li><li>• Robot Localization and Mapping: Enlightened techniques for robot localization and mapping of the environment.</li><li>• Robot Manipulation: Learned to control robot arm and manipulation of objects.</li><li>• Human-Robot Interaction: Taught about the ways on how a robot can interact with humans safely and effectively.</li><li>• Advanced Topics in Robotics: Explored on recent trends and advancements in robotics.</li></ul>
<b>Outcome</b>	<p>In FDP, the faculty will gained a solid understanding of the principles, concepts, and technologies related to robotics and digital reality. They learnt about the various components, systems and applications in these fields. They will learn how to identify challenges, analyze requirements, and devise effective solutions using these technologies. These sessions often provide opportunities for the faculty to connect with industry experts, fellow professionals, and potential collaborators. This network can lead a valuable connections and future collaborations in the field of robotics and digital reality.</p>

  
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Secretary, SRK Foundation

**CONVENER**

**Dr G.CHENCHAMMA**

Principal

**CO-CONVENER**

**Mrs. Y.VIJAYA**

Head of the Department,  
Information Technology

**FDP CO-ORDINATOR**

**Mr. A. PRATHAP**

Assistant professor,  
Department of Information Technology

### How to Apply:

The participants can fill-up the Registration form and send the scanned copy to the email.id:

[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- Spot Registrations are also allowed on  
07<sup>th</sup> January 2019 before 9:00 am

  
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ENIKEPADU, VIJAYAWADA-521, 108

## REGISTRATION FORM

A One-Week Faculty Development Program  
On

**DevOps**

Will be held from

07<sup>th</sup> January 2019 to 12<sup>th</sup> January 2019

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

Signature of the Participant

A  
One-Week

Faculty Development Program  
On

**DevOps**

Will be held from

07<sup>th</sup> January 2019 to 12<sup>th</sup> January 2019

In collaboration with



Is being organized by

Department of  
Information Technology



**VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN**

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## DEPARTMENT OF INFORMATION TECHNOLOGY:

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programmed in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology.

## ABOUT HMI ENGINEERING SERVICES:

HMI Engineering services is Ministry of Micro, Small and Medium Enterprises, is the apex executive body for the formulation and administration of rules, regulations and laws relating to micro, small and medium enterprises in India and collaborated with different manufacturing industrial companies. We are one of the best web application development companies in India. We aim at creating powerful and effective web applications that meets the exact requirements of our customers in an efficient manner.

## ABOUT THE PROGRAM:

The DevOps is a combination of two words, one is software Development, and second is Operations. This allows a single team to handle the entire application lifecycle, from development to testing, deployment, and operations. DevOps helps you to reduce the disconnection between software developers, quality assurance (QA) engineers, and system administrators. DevOps promotes collaboration between Development and Operations team to deploy code to production faster in an automated & repeatable way. DevOps helps to increase organization speed to deliver applications and services. It also allows organizations to serve their customers better and compete more strongly in the market. DevOps can also be defined as a sequence of development and IT operations with better communication and collaboration. DevOps has become one of the most valuable business disciplines for enterprises or organizations. With the help of DevOps, quality, and speed of the application delivery has improved to a great extent.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutes, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mr. A. PRATHAP

Assistant Professor,  
Department of Information Technology  
Contact Number: 8367674977.  
Email.ID: [Prathap.adimoolam@gmail.com](mailto:Prathap.adimoolam@gmail.com).

## COURSE SCHEDULE:

DATE	TOPICS
07-01-2019	<ul style="list-style-type: none"><li>• DevOps introduction</li><li>• DevOps Architecture</li><li>• DevOps Lifecycle</li></ul>
08-01-2019	<ul style="list-style-type: none"><li>• DevOps Workflow</li><li>• DevOps Principles</li><li>• DevOps Tools</li></ul>
09-01-2019	<ul style="list-style-type: none"><li>• DevOps Automation</li><li>• DevOps Engineers</li></ul>
10-01-2019	<ul style="list-style-type: none"><li>• DevOps Pipeline.</li><li>• DevOps Methodology.</li></ul>
11-01-2019	<ul style="list-style-type: none"><li>• Azure DevOps</li></ul>
12-01-2019	<ul style="list-style-type: none"><li>• Aws DevOps</li></ul>

## RESOURCE PERSON:

### Sri DINESH HIRAWAT

CEO, HMI Engineering Services

## NOTE:

- Registration fee ₹ 200/-
- Interested Persons are requested to register for the program on or before 06<sup>th</sup> Jan 2019.
- Attendance and feedback are mandatory to get a certificate.





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College Code: NP, Enikepadu, Vijayawada-521108

Date: 16<sup>th</sup> January 2019

### A one week Faculty Development Program report on “DevOps”

#### Objectives:

- Academic members should gain a deep understanding of the fundamental principles, values, and cultural aspects of DevOps.
- Enable faculty to acquire practical skills in DevOps tools and technologies, such as version control, continuous integration, continuous delivery, and infrastructure as code.
- Provide faculty with pedagogical strategies for effectively teaching DevOps concepts, methodologies, and tools.
- Explore and encourage collaborative teaching models that simulate real-world DevOps collaboration between development and operations teams.
- Facilitate interactions between faculty and industry professionals to stay updated on industry trends, challenges, and best practices.

#### Description:

A faculty development program on "DevOps" was arranged by the Department of Information Technology, and it ran for one week from 2019 January 07<sup>th</sup> to 12<sup>th</sup>. Over the course of the program, the participants encountered an exceptionally encouraging academic atmosphere. Assistant professor in the Department of Information Technology, Mr. A. Prathap, greeted the dignitaries. Mrs. Y. Vijaya, the department head, gave the FDP keynote address. The program was subsequently introduced by the principal, Dr. G. Chenchamma.

#### Resource Person:

**Sri. Dinesh Hirawat**

CEO of HMI Engineering services, Visakhapatnam.

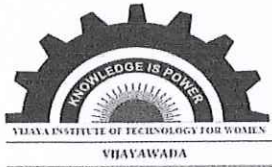
#### FDP Coordinator:

**Mr. A. Prathap**

Assistant Professor,

Department of Information Technology





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### Topics Covered during the program:

#### Day1: DevOps Introduction, DevOps Architecture and DevOps Lifecycle

Delivered the typical stages in a DevOps lifecycle, the components of DevOps architecture, and the key metrics, achievements, challenges, and the future roadmap for our DevOps implementation,

#### Day2: DevOps Workflow, DevOps Principles, DevOps Tools

Git, SVN, Mercurial, Jenkins, Azure Pipelines, Travis CI, GitLab CI/CD, Ansible, Puppet, Chef, Docker, Kubernetes, Prometheus, Grafana, ELK Stack, SonarQube, Twistlock, Clair, Selenium, JUnit, TestNG etc....

#### Day3: DevOps Automation, DevOps Engineers

To discuss the key areas of DevOps automation, and the key responsibilities of DevOps engineers

#### Day4: DevOps Pipeline, DevOps Methodology.

To discuss the key components of a typical DevOps pipeline, and the key aspects of the DevOps methodology

#### Day5: Azure DevOps

Integrated development environment (IDE) for building, deploying, and managing applications on Azure.

#### Day6: AWS DevOps

Integrated development environment (IDE) for building, deploying, and managing applications on AWS.

### Outcome:

All the participants who have attended the program gained rich insights into the delivery of high-quality, relevant, and up-to-date DevOps education. This, in turn, contributes to producing graduates who are well-equipped to meet the demands of the evolving field of DevOps in their future careers.

  
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Professor & Head,  
Department of CSE

**CO-ORDINATOR**  
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Asst. Professor,  
Department of CSE

**A Five Day Faculty Development Program**

On

**"PHP AND MYSQL"**

**08-10-2018 to 12-10-2018**

**Registration Form**

Name:

Designation :

Department :

Name of the Institute :

Address:

State:

Mobile Number :

E-mail: :

Category: Academic/Industry/Others

Signature of Participant

**Registration Fee Rs: 300/- Only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: [acpranjani@gmail.com](mailto:acpranjani@gmail.com)

*Spot Registrations are also allowed.*

**A FIVE DAY  
FACULTY DEVELOPMENT PROGRAM  
ON**

**"PHP AND MYSQL"**

**Organized  
By**

Department of Computer Science and  
Engineering

**08-10-2018 to 12-10-2018**



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## ABOUT THE COLLEGE

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The department has got well equipped laboratories with latest software to meet the industry trends. It also has excellent library facilities.

## OBJECTIVES OF FDP:

The goal of program is to improve the academic and intellectual environment in the institution by giving faculty members an ample chances given them to do research and development.

### Relation between PHP and MySQL

In addition to the other excellent answers, A MySQL database is administered by a PHP interface php My Admin. So they are tightly bound together. The relationship is even tighter given the extensive and comprehensive libraries available for interacting with a MySQL database, available in PHP.

PHP is a general-purpose server-side scripting language originally designed for Web development to produce dynamic Web pages. It is one of the first developed server-side scripting languages to be embedded into an HTML source document rather than calling an external file to process data.

MySQL is the world's most used open source relational database management system (RDBMS) that runs as a server providing multi-user access to a number of databases.

## SCHEDULE

08-10-2018	Introduction to PHP AND MYSQL. Gave an overview of PHP and MySQL <b>Resource person:</b> <b>Dr.N.Neelima Priyanka</b>
09-10-2018	Working with PHP like variables, data types, file handling in PHP <b>Resource person:</b> <b>Dr.N.Neelima Priyanka</b>
10-10-2018	Basics of SQL and MySQL by creating, managing data, in MySQL database. <b>Resource person:</b> <b>Dr.N.Neelima Priyanka</b>
11-10-2018	Advanced Concepts like Object-oriented programming, working with classes and objects <b>Resource person:</b> <b>Dr.N.Neelima Priyanka</b>
12-10-2018	Explanation of advanced MySQL Concepts. <b>Resource person:</b> <b>Dr.N.Neelima Priyanka</b>

## FOR FURTHER DETAILS

**Dr.B.Sukumar Babu**

HOD, CSE.

**Mrs.A.C.P.Ranjani**

Asst.Professor, Department of CSE.

Number: 9848504927

Mail ID: acpranjani@gmail.com





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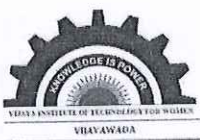
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College Code: NP, Enikepadu, Vijayawada-521108

### PROGRAM REPORT

<b>Event Type</b>	Faculty Development Program
<b>Title of the Event</b>	“PHP AND MYSQL”
<b>Event Start Date</b>	08-10-2018
<b>Event End Date</b>	12-10-2018
<b>Duration</b>	Five Days
<b>No.of Participants</b>	24
<b>Resource Persons</b>	<b>Dr.N.Neelima Priyanka,</b> Associate Professor, Dept of CSE, S.R.K Institute of Technology.
<b>Objective</b>	The FDP on PHP and MySQL focuses to provide information and skills needed for faculty to educate the present day learners. It provides a platform to learn the advanced technology needed for the design and development of digital resource for teaching and learning . It is intended to learn the functionality and utility of PHP along with the usage of syntax, variables and data types available in it and to learn the installation and deployment.





## VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

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College Code: NP, Enikepadu, Vijayawada-521108

<b>Description</b>	<p>The Department of Computer Science and Engineering has conducted a one-week offline faculty development program on “<b>PHP AND MYSQL</b>” from 08-10-2018 to 12-10-2018. The program was aimed to enhance the skills and knowledge of faculty by focusing on teaching, research and technology trends.</p> <p><b>Day1</b> : The resource person gave a brief introduction to PHP AND MYSQL. Gave an overview of PHP and My SQL and procedure for installing and configuration. Also acquired knowledge on the basics of PHP syntax and coding standards by connecting to a MySQL database from PHP.</p> <p><b>Day2</b> : The resource person made all the faculty members to understand and work with PHP like variables, data types, operators, control structures, loops, functions and arrays, file handling in PHP.</p> <p><b>Day3</b> : The resource person taught our faculty about acquiring skills by working with MySQL. Faculty had mastery in basics of SQL and MySQL by creating, managing, querying, retrieving data, updating and deleting data in MySQL database.</p> <p><b>Day4</b> : The resource person explained about advanced Concepts like Object-oriented programming, working with classes and objects by knowing in depth about Error handling, exception handling of form handling and validation in PHP.</p> <p><b>Day 5</b> : The resource person winded up by giving lessons to our faculty about creating a simple web application, security considerations and best practices for PHP and MySQL.</p>
<b>Outcome</b>	<p>In this FDP, the sessions are worth learning and is very enlightening. By learning these topics, faculty can develop a solid foundation. By gaining knowledge in these areas, faculty are able to understand the opportunities and challenges. Overall, the outcomes of a PHP and MySQL training program equips faculty with the knowledge and skills required to confidently develop web applications and work with databases using the technologies.</p>

*A.P. Ranjani*  
CO-ORDINATOR

*Schm*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521

*S. S. S.*  
HoD



**ORGANIZING COMMITTEE MEMBERS**

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Chairman,  
SRK Foundation

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**Sri B. SRI KRISHNA**  
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SRK Foundation

**CONVENER**  
**Dr. Ch. CHENCHAMMA**  
Principal

**CO-CONVENER**  
**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of  
BUSINESS ADMINISTRATION

**CO-ORDINATOR**  
**Mrs. G. MADHU SRI**  
Assistant Professor,  
Department of  
BUSINESS ADMINISTRATION

**A One Week Faculty Development Programme  
On**

**“FINANCIAL PLANNING IN FINANCIAL  
SERVICES”**

**10/09/2018 to 17/09/2018**

**REGISTRATION FORM**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee: Rs.200/-**

**How to Apply:**

The Participants can Fill-up the Registration form and  
send the scanned copy to the mail-id:

***vijayamba08@gmail.com***

**Spot Registrations are also allowed.**

**G. cm**  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521 108.**

**A One week  
Faculty Development Program**

**ON**

**FINANCIAL PLANNING IN  
FINANCIAL SERVICES**

**Organized by**  
**Department of**  
**BUSINESS ADMINISTRATION**

**10/09/2018 to 17/09/2018**



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## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE and IT, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT MBA DEPARTMENT

The department was established in the year 2009 and offers 2 year full time Master of Business Administration (MBA) program with the approval of AICTE, and affiliated to JNTUK. We at the Department instil aptitude to think logically and act rationally. Faculty members at Department promote knowledge through teaching, research and training. Various tools are used to enable students to become Managers, Leaders and Entrepreneurs

## OBJECTIVES OF FDP:

The basic objective is to raise the level of financial awareness in the participants so that they could achieve four primary financial objectives which are Stability, Liquidity, Profitability and Efficiency. The Profitability objective focuses on generating enough revenue to meet expenses and the desired profit margin.

Financial Planning in Financial Services also helps in determining future needs in terms of Investment, Resources and Funds. It also helps in increasing revenue, increasing profit margins, retrenching in times of hardship and earning a return on investment. In short the FDP aims to provide better short term and long term decisions in managing personal finance.

## SCHEDULE:

10/09/2018 TO 12/09/2018	<b>TOPICS:</b> Introduction to Financial Planning, Options available for saving finance and how investment helps in generating alternate source of income. <b>Resource Person:</b> <b>MR. G. KIRAN</b>
14/09/2018 TO 17/09/2018	<b>TOPICS:</b> How to plan income and savings after retirement, how to have a clear budget to minimize unnecessary expenses and how to control expenses. <b>Resource Person:</b> <b>Mr. K. VENKATESWARA RAO</b>

## FOR FURTHER DETAILS:

**Dr. P. SUBBAIAH**  
Professor & Head,  
Department of Business Administration  
7674002244  
drpsubbaiah@gmail.com

**Mrs. G. MADHU SRI**  
Assistant Professor,  
Department of Business Administration  
9989713626  
gaganasahasra@gmail.com





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College Code: NP, Enikepadu, Vijayawada-521108

## REPORT ON A ONE WEEK FACULTY DEVELOPMENT PROGRAM ON “FINANCIAL PLANNING IN FINANCIAL SERVICES”

Date: 18<sup>th</sup> September 2018.

**TITLE OF THE FDP** : A One Week Faculty Development Program on “FINANCIAL PLANNING IN FINANCIAL SERVICES”

**RESOURCE PERSONS** : 1. Mr. G. KIRAN, Assistant Professor, Department of MBA, SRKIT, Enikepadu

2. Mr. K. VENKATESWARA RAO, Trainer, Ram Charan Academy, Vijayawada.

**DURATION OF THE FDP** : 10/09/2018 to 17/09/2018

**NO OF PARTICIPANTS** : 19

**DESCRIPTION** : The Faculty Development Program started with an inaugural session on 10<sup>th</sup> September, 2018 in the presence of the resource person Mr. G. KIRAN, Assistant Professor, Department of Business Administration, SRK Institute of Technology, Enikepadu, Vijayawada.

The session began with welcome address by Mrs. G. MADHU SRI, Assistant Professor, Dept. of Business Administration, who also discussed the objectives of the Faculty Development Program. Principal Dr. G. CHENCHEMMA addressed the Participants about the importance of programme and Dr. P. SUBBAIAH, HoD, Dept. Of Business Administration addressed the audience with his valuable words.



**OBJECTIVE OF FDP** : The basic objective is to raise the level of financial awareness in the participants so that they could achieve four primary financial objectives which are Stability, Liquidity, Profitability and Efficiency. The Profitability objective focuses on generating enough revenue to meet expenses and the desired profit margin.

Financial Planning in Financial Services also helps in determining future needs in terms of Investment, Resources and Funds. It also helps in increasing revenue, increasing profit margins, retrenching in times of hardship and earning a return on investment. In short the FDP aims to provide better short term and long term decisions in managing personal finance.

**OUTCOME OF FDP** : After attending the Faculty Development Program, the participants will have knowledge on

- Finance,
- How to manage expenses,
- How to save for the future by investing in another source of income,
- Tax benefits for salaried employees and other insurance benefits one should have.

  
Co-Ordinator

  
HoD

  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
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**ENIKEPADU, VIJAYAWADA-521 108.**



**Organizing Committee Members**

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Chairman, SRK Foundation

**PATRON**

**Sri B. Sri Krishna**  
Secretary, SRK Foundation

**CONVENOR**

**Dr. G. Chenchamma**  
Principal, VITW

**COORDINATORS**

**Ms.K.Prasuna**  
HoD., Dept. of ECE  
VITW

**RESOURCE PERSON**

**Mr. K.VIJAY**  
Assistant professor,  
P.B. Siddhartha College, Vijayawada.

**A One Week Faculty Development Programme  
On**

**“DATA ANALYTICS FOR BUSINESS  
DECISIONS USING TABLEAU”**

**10/09/2018 To 15/09/2018**

**Registration Form**

Name: -----

Designation: -----

Department: -----

Name of the Institute: -----

Address: -----  
-----  
-----

State: -----

Mobile Number -----

E-mail: -----

**Category: Academic/Industry/Others**

**Signature of Participant**

**Registration Fee: Rs.200/- only**

**How to Apply:**

The Participants can Fill-up the Registration form and send the scanned copy of the registration form to the mail-id: **[eechvitw@gmail.com](mailto:eechvitw@gmail.com)**

**Spot Registrations are also allowed.**

**S. Chenchamma**  
**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
**TECHNOLOGY FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA-521108.**

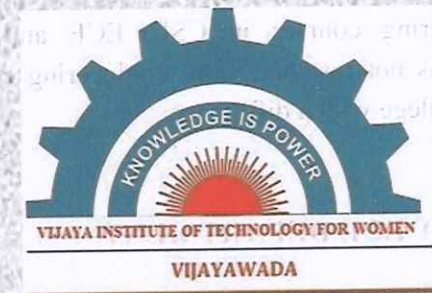
**A Five Day  
Faculty Development Program**

**ON  
“DATA ANALYTICS FOR BUSINESS  
DECISIONS USING TABLEAU”**

**Organized by**

**Department of  
ELECTRONICS & COMMUNICATION  
ENGINEERING**

**10/09/2018 To 15/09/2018**



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[www.vitw.edu.in](http://www.vitw.edu.in) College Code: NP, Enikepadu,  
Vijayawada-521108**



## ABOUT THE COLLEGE

Vijaya Institute of Technology for Women (VITW) is founded by Sri Boyapati Appa Rao Garu in 2008, with the objective of providing excellent learning facility for women to pursue education in engineering. VITW is affiliated to Jawaharlal Nehru Technological University (JNTU), Kakinada, approved by All India Council for Technical Education (AICTE), Certified by ISO 9001:2015. VITW is the only women's Engineering College in the heart of Vijayawada city, offering engineering under graduate courses in CSE, ECE, EEE, IT and AIML, Masters of Business Administration and Diploma Engineering courses in CSE, ECE and EEE. VITW is not just one more engineering college. It's a college with a difference.

## ABOUT ECE DEPARTMENT

The department has well-qualified, experienced and dynamic faculty along with technical skills who spearhead the process of achieving the vision of the department. The department was established in the year 2008 with B.Tech programme in Electronics & Communication Engineering. The Objective of the department is to impart quality education with practical approach and to develop research, innovative skills. To face Challenges of the industry & Academia.

## OBJECTIVES OF FDP:

Users rate Tableau's overall performance as strong and secure. It can handle millions of rows of data with ease. The huge advantage of having Tableau is different types of visualization can be created at one shot. In this, you will acquire the fundamental skills for analyzing your data in Tableau. You'll learn to connect to and customize data sources, including live data and in-memory extracts; edit field metadata, and group fields; apply sorting and filtering techniques; and compare subsets of data using sets.

Ultimately the specific objectives for using Tableau will depend on your organization's unique goals and requirements, but these general objectives can serve as a starting point for your data visualization and analysis efforts.

## SCHEDULE:

### Resource Person

K.VIJAY

10/09/2018	TOPIC: Introduction to Tableau
11/09/2018	TOPIC: Data Preparation, Data Visualization
12/09/2018	TOPIC: Connecting to Educational Databases
13/09/2018	TOPIC: Predictive Analytics, Geospatial Analysis
14/09/2018	TOPIC: Data Security and Compliance
15/09/2018	TOPIC: Use Cases in Education

## FOR FURTHER DETAILS:

**Ms.K.Prasuna**

**HoD, Dept. of ECE**

**8008842308**

[ecehvitw@gmail.com](mailto:ecehvitw@gmail.com)





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College Code: NP, Enikepadu, Vijayawada-521108

### Program Report

Date: 17-09-2018

<b>Title of The Event:</b>	A one week FDP on “ <b>DATA ANALYTICS FOR BUSINESS DECISIONS USING TABLEAU</b> ”
<b>Resource Person Name:</b>	Mr. K.VIJAY Assistant Professor, P.B. Siddhartha college, Vijayawada.
<b>Duration:</b>	10-09-2018 to 15-09-2018
<b>No Of Participants:</b>	25
<b>Description:</b>	<p>The opening remarks for the FDP was given by Ms.K.Prasuna, Head of the ECE Department. The brief introduction about the program was given by Dr.G.Chenchamma Garu, Principal and the session is handovered to the resource person Mr. K.VIJAY.</p> <p>He explained the importance of tableau and how it can be useful for now a day’s technology. Tableau helps business stakeholders analyze reports regarding sales, marketing strategies, and product interest. Based on the analysis, they can focus on the areas that require attention to increase profits, which in turn makes the business more productive. Data visualization turns raw data into a universally, consumable form. By providing access to valuable information, you give people the tools to develop more informed opinions and empower them to contribute their perspective in the decision-making process.</p> <p>Tableau enables businesses to make decisions using the data visualization features available to business users of any background and industry. Tableau provides immediate insight by transforming data into visually engaging, interactive views in dashboards. Tableau is a powerful data visualization tool that is used to simplify raw data into easily understandable formats. ... Data blending, real-time analysis and collaboration of data are a few other features of Tableau.</p>



<p><b>Objective:</b></p>	<ul style="list-style-type: none"> <li>Tableau is the graphical representation of information and data. By using visual elements like charts, graphs, and maps, data visualization tools provide an accessible way to see and understand trends, outliers, and patterns in data. In the world of Big Data, data visualization tools and technologies are essential to analyze massive amounts of information and make data-driven decisions.</li> </ul>
<p><b>Outcomes:</b></p>	<ul style="list-style-type: none"> <li>The FDP was very useful for all participants to know the visual analysis of data using Tableau. Data Visualization is an essential skill to effectively apply the principles of visual storytelling by building dashboards, to represent business data that help take quick and relevant action. Visualization is also very useful for data exploration and is a great tool kit for predictive modelers and machine learning engineers helping them investigate the data hierarchically. Effectiveness of the training was acknowledged by the participants through their feedbacks.</li> </ul>

K. Prasanna  
CO-ORDINATOR

*G. Umm*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521, 100

K. Prasanna  
HoD



## ORGANIZING COMMITTEE MEMBERS

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Chairman, SRK Foundation

### PATRON

**Sri B.S.KRISHNA**  
Secretary, SRK Foundation

### CONVENER

**Dr. G.CHENCHAMMA**  
Principal

### CO-CONVENER

**Mrs. Y.VIJAYA**  
Head of the Department,  
Information Technology


### FDP CO-ORDINATOR

**Mrs. Y.V.K.D BHAVANI**  
Assistant Professor,  
Department of Information Technology

### How to Apply:

The participants can fill-up the Registration form and send the scanned copy to the email.id:  
[vitwitdept9@gmail.com](mailto:vitwitdept9@gmail.com)

- Spot Registrations are also allowed on 16<sup>th</sup> July 2018 before 9:00am

  
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ENIKEPADU, VIJAYAWADA-521, 108

## REGISTRATION FORM

A One-Week Faculty Development Program  
On  
**BIG DATA**

Will be held from  
16<sup>th</sup> July 2018 to 21<sup>th</sup> July 2018

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Branch: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Accommodation Required (Yes/No): \_\_\_\_\_

Contact No: \_\_\_\_\_

Email.ID: \_\_\_\_\_

Address: \_\_\_\_\_

Signature of the Participant

A  
One-Week

Faculty Development Program  
On  
**BIG DATA**

Will be held from  
16<sup>th</sup> July 2018 to 21<sup>st</sup> July 2018  
In collaboration with



Is being organized  
By

Department of  
Information Technology



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## ABOUT THE COLLEGE:

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## DEPARTMENT OF INFORMATION TECHNOLOGY:

The Department of Information Technology (IT) is established in the year 2008 with a view to develop quality engineers to meet the current trends. The Department provides Undergraduate programmed in B.Tech (IT) is noted for research and teaching excellence. Its recognized faculty members are engaged in breakthrough research across the leading areas of Information Technology.

## ABOUT HMI ENGINEERING SERVICES:

HMI Engineering services is Ministry of Micro, Small and Medium Enterprises, is the apex executive body for the formulation and administration of rules, regulations and laws relating to micro, small and medium enterprises in India and collaborated with different manufacturing industrial companies. We are one of the best web application development companies in India. We aim at creating powerful and effective web applications that meets the exact requirements of our customers in an efficient manner.

## ABOUT THE PROGRAM:

Big data refers to the large, diverse sets of information that grow at ever-increasing rates. It encompasses the volume of information, the velocity or speed at which it is created and collected, and the variety or scope of the data points being covered (known as the "three v's" of big data). Big data often comes from data mining and arrives in multiple formats. Big data is a great quantity of diverse information that arrives in increasing volumes and with ever-higher velocity. Big data can be structured (often numeric, easily formatted and stored) or unstructured (more free-form, less quantifiable). Nearly every department in a company can utilize findings from big data analysis, but handling its clutter and noise can pose problems. Big data can be collected from publicly shared comments on social networks and websites, voluntarily gathered from personal electronics and apps, through questionnaires, product purchases, and electronic check-ins. Big data is most often stored in computer databases and is analyzed using software specifically designed to handle large, complex data sets.

## PARTICIPANTS (who should attend):

This workshop is meant for faculty from Academic institutions, Research scholars, Industry Personnel's.

## FOR MORE DETAILS CONTACT:

### Mrs. Y.V.K.D BHAVANI

Assistant Professor,  
Department of Information Technology  
Contact Number: 9948400394  
Email.ID: [bhavanivani35@gmail.com](mailto:bhavanivani35@gmail.com)

## COURSE SCHEDULE:

DATE	TOPICS
16-07-2018	<ul style="list-style-type: none"><li>• Introduction to big data</li><li>• Web Analytics.</li></ul>
17-07-2018	<ul style="list-style-type: none"><li>• Text Analytics and Sentiment Analysis.</li></ul>
18-07-2018	<ul style="list-style-type: none"><li>• Predictive Analytics.</li></ul>
19-07-2018	<ul style="list-style-type: none"><li>• Big Data Challenges.</li></ul>
20-07-2018	<ul style="list-style-type: none"><li>• IoT and Big Data.</li></ul>
21-07-2018	<ul style="list-style-type: none"><li>• Case Studies,</li><li>• IEEE Topics on Big Data</li></ul>

## RESOURCE PERSON:

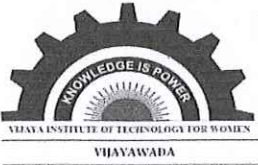
### Sri DINESH HIRAWAT

CEO, HMI Engineering Services  
Email.ID: [info@hmies.in](mailto:info@hmies.in)

## NOTE:

- Registration fee ₹ 200/-
- Interested Persons are requested to register for the program on or before 15<sup>th</sup> July 2018.
- Attendance and feedback are mandatory to get a certificate.





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College Code: NP, Enikepadu, Vijayawada-521108

Date: 23<sup>rd</sup> July 2018

### A one week Faculty Development Program report on "BIG DATA"

#### Objectives:

To educate academic members about

- Distributed storage systems like Hadoop Distributed File System (HDFS) and cloud-based storage solutions facilitate the storage of massive data sets.
- Apache Hadoop is a widely used open-source framework for distributed processing of large data sets.
- Spark, an open-source cluster computing framework, is popular for in-memory data processing.
- Data analytics tools, including Apache Spark, Apache Flink, and Apache Storm, enable processing and analysis of real-time data.

#### Description:

The Department of Information Technology organized a one-week faculty development program on "BIG DATA" that took place from July 16<sup>th</sup> to July 21<sup>st</sup>, 2018. The participants experienced an incredibly supportive academic environment throughout the program. The dignitaries were greeted by Mrs. Y.V.K.D. Bhavani, assistant professor in the Department of Information Technology. The FDP keynote address was delivered by the department head, Mrs. Y. Vijaya. The principal, Dr. G. Chenchamma, then introduced the program.

#### Resource Person:

**Sri. Dinesh Hirawat**  
CEO of HMI Engineering services,  
Visakhapatnam.

#### FDP Coordinator:

**Mrs. Y.V.K.D Bhavani**  
Assistant professor,  
Department of Information Technology



## **Topics Covered during the program:**

### **Day1: Introduction to big data and Big Data Platform**

Big data refers to the massive volume of structured and unstructured data generated by businesses, individuals, and machines on a day-to-day basis. This data is characterized by its sheer size, complexity, and the speed at which it is produced. Big data encompasses a variety of data types, including text, images, videos, social media interactions, sensor data, and more.

### **Day2: Text Analytics and Sentiment Analysis**

This session dealt with Information Extraction, Text Mining, Entity Recognition, Text Classification, Language Processing, and Hadoop Distributed File System.

### **Day3: Predictive Analytics**

Predictive analytics is a field of data analytics that leverages historical data, statistical algorithms, and machine learning techniques to identify the likelihood of future outcomes. When applied to big data, predictive analytics becomes a powerful tool for extracting actionable insights, making informed decisions, and anticipating trends.

### **Day4: Big Data Challenges**

This session dealt with the collection and analysis of large amounts of personal data raise concerns about privacy and the need for robust security measures. As data volumes grow, scalable infrastructure and algorithms are crucial to handle the increasing workload. Integrating diverse data sources and types can be complex and requires effective data integration strategies. There is a shortage of skilled professionals with expertise in big data technologies, data science, and machine learning.

### **Day5: IoT and Big Data**

Data Volume and Velocity, Data Variety, Real-Time Processing, Scalability, Analytics and Machine Learning, Security and Privacy.

### **Day6: Case Studies and IEEE Topics on Big Data**

Design of Hadoop Distributed File System, Map Reduce Application, Yarn Works, How Map Reduce Works, Big Data Using Pig and Hive etc...

### **Outcome:**

Big data continues to revolutionize how organizations operate and make decisions. With the right technologies, tools, and strategies, businesses can turn the challenges posed by massive data sets into opportunities for innovation and competitive advantage. As the field evolves, staying abreast of emerging trends and investing in data-driven capabilities will be crucial for success in the digital era. Attendees of the program all obtained deep understanding of the subjects covered.

  
COORDINATOR

  
PRINCIPAL  
VIJAYA INSTITUTE OF  
TECHNOLOGY FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521,108

  
HOD