



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)  
Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited  
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## Criterion 1 – Curricular Aspects

<b>Key Indicator</b>	1.3	Curriculum Enrichment
<b>Metric</b>	1.3.2	<i>Number of value-added courses for imparting transferable and life skills offered during 2023 - 2024</i>

## Brochure and Course content of Value Added Courses offered ACADEMIC YEAR 2023-24

## Index

S.No.	Value Added Course Name	Page Number
1.	MEP - Plumbing	3
2.	Revit	4
3.	Space Surface Exploration Vehicle	5
4.	Design and Development of Aero Models	6
5.	Soft Skill Training On Employability Enhancement	7
6.	Corporate Employee Training - Corporate Skill Development	8
7.	STADD PRO	9
8.	Revit Architecture	10
9.	Essentials in SKTECHUP for Institutions	11
10.	Diagnostics and Debugging on Handheld Electronics	12
11.	Life Skills and Personality Development	13
12.	Machine Learning using Python	14
13.	Learn Internet of Things	15
14.	Electrical System Design using Arduino	16
15.	Life Skills and Personality Development	17
16.	Autodesk Fusion 360	18
17.	Python Programming	19
18.	Youth Empowerment-Atos Prayas	20
19.	Artificial Intelligence and Machine Learning	21
20.	DevOps	22
21.	Data Science using Python	23
22.	Entrepreneurship Skills in Chemistry	24
23.	Industrial Chemistry	25
24.	Fundamentals in Biomolecules	26
25.	Spectral Interpretations	27
26.	Mutual Funds: A Beginner's Module	28
27.	Leadership Management	29
28.	Holistic And Multidisciplinary Education	30
29.	Health Education and Health Promotion	31
30.	Fundamentals of Computer Networks	32
31.	Quantitative Aptitude	33
32.	Montessori Education	34
33.	Vedic Mathematics	35
34.	Six Sigma	36
35.	Digital Banking	37
36.	Joy of Computing using Python	38

## 1. MEP - Plumbing



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**UNIQUE MEP**  
ENGINEERING PVT. LTD.,  
Finishing School for Engineering Graduates

# INHOUSE TRAINING PROGRAM FOR ARCHITECTURE DEPARTMENT

# MEP - PLUMBING

DESIGNING - DRAFTING



**Er. DEEPAK.S**  
BIM MANAGER



**Er. MOHAMED VARIS.S**  
MEP DESIGN ENGINEER

**DATE: 19.12.2023 to 23.12.2023**


**Ar.S.VITHYA LAKSHMI**  
ASSISTANT PROFESSOR  
CO-ORDINATOR

**Ar.S.BANAZIR BANU**  
ASSISTANT PROFESSOR  
CO-ORDINATOR

**Ar.VS KAVITHA**  
CONVENOR

**Ar.K.JASMINE VIDHYA**  
CO-CONVENOR

+91 84286 77755

 /uniqueMEPEngineering

## 2. Revit

**BEST PRIVATE  
UNIVERSITY  
IN INDIA-2018**  
Awarded by ASSOCHAM







### DEPARTMENT OF ARCHITECTURE

VALUE ADDED TRAINING  
Course Summary

## AUTO DESK - REVIT

**06.11.2023 - 11.11.2023**



**Duration**  
40 Hours

- Introduction to BIM & Revit Architecture
- Place and modify Walls & Complex Walls
- Add and modify Wall Profiles
- Place Doors, Windows & Components
- Dimensions and Constraints
- Create Floors and Ceilings
- Curtain Walls & Stairs
- Conceptual Models
- Annotation & Schedules
- Sheets and Title Blocks
- Views, Camera, Walk-through, Render & Solar Study
- In-Place Families
- Family Creation
- Site Design
- Link Projects & Collaboration
- Design Phase
- Realistic Presentations
- Import & Export

**Coordinator**  
Ar.K.Jasmine Vidhya,  
Head/Arch

**Convener**  
Ar.K.Jasmine Vidhya,  
Head/Arch

### 3. Space Surface Exploration Vehicle

**VALUE ADDED  
COURSE**



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PONDICHERRY

**DEPARTMENT OF AEROSPACE ENGINEERING**

**SPACE SURFACE EXPLORATION  
VEHICLE**

**From:04.03.2024 - 09.03.2024**

**Venue:LH 334,TB-I PMIST**

**TOPICS COVERED**

- Introduction to surface exploration vehicles
- Hands on vehicle assembly
- Sensor integration for surface exploration
- Communication systems for remote control
- Data Transmission system
- Terrain Navigation and obstacle avoidance
- Robotics software tools for rover mechanism
- Real world application
- Testing

## 4. Design and Development of Aero Models

**VALUE ADDED COURSE**



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UNIVERSITY  
PERIYAR MANIAMMAI UNIVERSITY  
PERIYAR MANIAMMAI UNIVERSITY

**DEPARTMENT OF  
AEROSPACE ENGINEERING**

**DESIGN & DEVELOPMENT  
OF AERO MODELS**

**From: 04.03.2024 - 09.03.2024**

**Venue: LH 333, TB-I PMIST**

**TOPICS COVERED**

- Introduction To Aeronautics and Aeromodelling
- Origami Flights
- Water Rocketry
- Static Model Making
- Glider and Its types
- Walk along glider
- Introduction to RC Planes
- Introduction to Aeronautical and Aeromodelling.
- Introduction to various Aeromodel Designs.
- Understand the principles of Flight of a UAVs

## 5. Soft Skill Training on Employability Enhancement



# Departments of Biotechnology Value Added Course On Soft Skill Training On Employability Enhancement

## Resource Person



## Ms.Mathumathi . V

Co - Founder, Run Win Solutions, Madurai.

Duration :

16.10.2023 To 20.10.2023

Venue: Valluvar Hall

**Coordinator**  
**Ms.P.Mala**  
**AP/Biotechnology**

**Convenor**  
**Dr.K.Geetha**  
**Head/Biotechnology**

## 6. Corporate Employee Training - Corporate Skill Development



**Departments of Biotechnology**  
**Value Added Course**  
**On**  
**Corporate Employee Training Corporate**  
**Skill Development**

**Resource Person**



**Dr.T. Senathipathi**  
Co - Founder, Run Win Solutions, Madurai.

**Duration :**  
**16.10.2023 To 20.10.2023**  
**Venue: Dawkins Hall**

<b>Coordinator</b> <b>Ms.P.Mala</b> <b>AP/Biotechnology</b>	<b>Convenor</b> <b>Dr.K.Geetha</b> <b>Head/Biotechnology</b>
---	--



## 7. STADD PRO



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### VALUE ADDED COURSES

## STADD PRO

Introduction to STAAD.Pro.V8i – Getting familiar with STAAD window – Model generation using STAAD editor – Introduction to Snap Node/Beam Editor – Model generation using Node/Beam Editor – Introduction to Translational Repeat – Model generation using Translational Repeat Assigning Properties – Assigning Supports –Assigning Loads – Structure Analysis – Simply Supported Beam – Analysis of Framed Structure – Applying Floor Loads – Wind Analysis – Seismic Analysis – Creating Load Combinations – Dynamic Analysis Response Spectrum – Analysis – Introduction to FEM Analysis of Framed Structure Including Slabs – Column & Beam Design – Reinforced Concrete Design – Slab Design – Moving Loads – Staircase Analysis –Steel Design – Pushover Analysis – Shear Wall –Design Lift Room Modeling




**Staad Pro**

**Department of Civil Engineering**  
PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY  
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Periyar Nagar, Vallam, Thanjavur - 613403  
Tamil Nadu, India

For more details, visit  
[www.pmu.edu](http://www.pmu.edu)  
[headce@pmu.edu](mailto:headce@pmu.edu)

## 8. Revit Architecture




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### VALUE ADDED COURSES

## REVIT ARCHITECTURE

Introduction to Autodesk Revit Architecture – Starting an Architectural Project – Creating Walls – Using Basic Building Components-I (Doors, Windows and Wall Opening)- Using the Editing Tools – Working with Datum Planes and Creating Standard Views – Using Basic Building Components-II (Rooms, Floors and Roofs) – Using Basic Building Components-III (Stairs, Ramps and Curtain Walls)- Adding Site Features – Using Massing Tools – Adding Annotations and Dimensions – Creating Project Details and Schedules – Creating Drawing Sheets, and Plotting – Creating 3D Views – Rendering Views and Creating Walkthroughs – Using Advanced Features



**AUTODESK  
REVIT  
Architecture**

**Department of Civil Engineering**  
PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)  
Periyar Nagar, Vallam, Thanjavur - 613403  
Tamil Nadu, India

For more details, visit  
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headce@pmu.edu

## 9. Essentials in SKTECHUP for Institutions



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### VALUE ADDED COURSES

## ESSENTIAL IN SKTECHUP FOR INSTITUTIONS

Essential techniques: Inference techniques, modeling entities, push/pull modifications, object editing, measurement, and annotation

Advanced topics: Match photo modeling, components, modeling from DWG files, model visualization, and model documentation

Hands-on exercises: Practical projects to develop proficiency in SketchUp



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## 10. Diagnostics and Debugging on Handheld Electronics



**Value Added Course**  
**on**  
**DIAGNOSTICS AND DEBUGGING ON**  
**HANDHELD ELECTRONICS**

**Resource Person**  
**Mr. R.SABAREESAN**  
**Managing Director**  
**Priyam Mobiles &**  
**Institute**



**Duration**  
**10.10.2023**  
**TO**  
**13.10.2023**

Department of  
**ELECTRONICS AND COMMUNICATION ENGINEERING**

**CO-ORDINATOR**  
**Ms.S.HEMAMBUJAVALLI**  
**Asst.Prof, ECE**

**CONVENOR**  
**Dr.C.NARMADHA**  
**Asso.Prof & Head**

**[www.pmu.edu](http://www.pmu.edu)**

## 11. Life Skills and Personality Development



**DEPARTMENT  
OF  
ELECTRONICS & COMMUNICATION ENGINEERING**  
**Value Added Course  
On  
Life skills & Personality Development**

**Dr.K.Selvam,**  
Director,i/c Training,  
Centre for  
Institute Industry Interaction



**DURATION**

25/10/2023 TO  
30/10/2023

**Dr.J.Sathya priya,**  
Director,Centre for Human  
Resource and Development.



**Dr.P.Guru,**  
Director-Placement ,Centre for  
Institute Industry Interaction.



**Resource Persons**

<b>Co - ordinators:</b> Ms.S.Asha,Asst.prof,ECE Ms.T.Gurupriya,Asst.prof,ECE	<b>Visit:</b> <a href="http://www.pmu.edu">www.pmu.edu</a>	<b>Convenor:</b> Dr.C.Narmadha, Asso.Prof & Head
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## 12. Machine learning using Python

**ABOUT THE INSTITUTE**

Periyar Maniammai Institute of Science and Technology (PMIST) is dedicated to facilitate the creation of workforce with global perspectives in current technologies. Its service to the society has the component interwoven with Thanthai Periyar's ideal of social justice (i.e) the availability of open channel of opportunities in higher education belonging to every sector of the community without denial. As part of this deal, we offer a common platform for researchers, students and experts to communicate their research activities and recent developments. Besides, we expect to explore the blooming of collaborative activities among the participants through the support including governmental, non-governmental and self-financed. Thus, the purpose of our invitation to institutions, researchers, industries and students to participate in this event to benefit mutual among themselves and to make the event successful and memorable.

**ABOUT THE DEPARTMENT**

The Department of Electronics and Communication Engineering (ECE) was started in October, 1988. It aims to produce quality professionals in Electronics and Communication Engineering to compete globally and excel by carrying out basic and applied research in emerging areas. The Department was accredited by National Board of Accreditation for the year 1998, 2001, 2004 and 2009 respectively. Main objective of the department is to be an innovative leading department in the domain Electronics and Communication Engineering in promoting academic growth by offering UG, PG and Ph. D programs to augment the industrial and societal needs through cutting edge research activities. The primary focus of our curriculum is on imparting technical know how to the students promoting their problem solving skill and innovation of new technologies. Along with B.Tech (ECE) and M.Tech (WC), we are also offering B.Tech (Inns.) - ECE with specialization in AI and ML and B.Tech (Inns.) - ECE with a specialization in Robotics and Industrial Automation.




**PERIYAR  
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**VALUE ADDED COURSE  
(VAC)**

**MACHINE LEARNING  
USING PYTHON**

**10.10.2023 to 13.10.2023**

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



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**COURSE REGISTRATION FORM**

**Name of the Student :**

**Register Number of the Student :**

**Program of the Study & Year :**

**Name of the Department :**

**Name of the Institute :**

**Academic Year :**

**Semester :**

**Registration Fee : Rs.2000**

**Signature of the Student**

**COURSE CONTENT**


Sl.No	Course Modules	Hrs
1.	Creation Machine Learning and its type.	5
2.	Regression	5
3.	Classification Clustering	5
4.	Neural Networks and Visualization	5
5.	Data Processing	5
6.	Supervised Learning	5

**CONVENOR**  
Dr. C. Narmada, Head | ECE  
Asst. Professor  
Department of ECE, PMIST  
Mobile Number: 9944935688

**COORDINATOR**  
Ms. C. Rajasanthini, AP | ECE  
Asst. Professor  
Department of ECE, PMIST  
Mobile Number: 9223962734

Ms. C. Sathya, AP | ECE  
Asst. Professor  
Department of ECE, PMIST  
Mobile Number: 7796146222


### 13. Learn Internet of Things



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## VALUE ADDED COURSE ON INTERNET OF THINGS

- ▶ RESOURCE PERSON:  
*M. Dinesh Kumar, B.E., MS(USA),  
Robotics Engineer 2  
Prag Robotics*
- ▶ CO-ORDINATER:  
*Mr.R. Rakesh AP/ ECE  
Ms.R. Ramiya AP/ ECE*
- ▶ CONVENOR:  
*Dr.C. Narmadha HOD/ ECE*

 *Date:* 25th September to  
30th September 2023

## 14. Electrical System Design using Arduino

### About the Training


Arduino-powered systems have found applications in home automation, health monitoring, agriculture, education, industrial automation, environmental monitoring, and more. Today Arduino is used for the control of traffic lights, it can also be used for the real time control system with programmable timings, pedestrian lighting etc

- Over View of arduino
- Arduino Types
- Arduino UNO Board Description
- Getting Started

- Program Structure
- Sensors and Actuators
- Demonstration with Arduino UNO
- Demonstration Using Virtual Arduino UNO

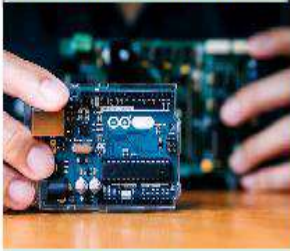
### About the Department

Department of Electrical and Electronics Engineering was established in the year 2002 and is one of the pillars of the Institution. It aims to develop students for the professional practices of Electrical and Electronics Engineering by offering different programmes that encourage lifelong learning, teamwork and leadership, and promote creative innovation to contribute meaningfully to the development of world. This is practiced in the state-of the-art fields like Energy Conservation & Auditing, Energy Efficient systems, Renewable Energy systems, Smart Grids and Electric Vehicles



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INSTITUTE OF SCIENCE & TECHNOLOGY  
Dhanuvarthi Road,  
MANTAMMAI, THANJAVUR - 613 403  
Tamil Nadu - India

### Value Added Course on "Electrical System Design Using Arduino" for Career Development from 16.10.2023 to 20.10.2023



Department of Electrical and  
Electronics Engineering  
Periyar Nagar, Vallam, Thanjavur  
- 613 403, Tamilnadu, India  
Phone: +91-4362-264642



## 15. Life Skills and Personality Development

### *About the course*

This course focuses on enhancing essential professional and personal development skills that are critical in both academic and workplace environments. It covers fundamental topics such as goal setting, emotional intelligence, teamwork, leadership, interview skills, interpersonal communication, and presentation techniques. The aim is to equip participants with the tools necessary to excel in collaborative settings, lead with confidence, and present themselves effectively in various professional scenarios.

### **Learning Objectives:**

- ❖ Goal Setting & Emotional Intelligence
- ❖ Teamwork and Collaboration
- ❖ Leadership Skills
- ❖ Interview Skills & GD
- ❖ Interpersonal Skills
- ❖ Presentation Skills

### *About the Department*

*The Department of Electrical and Electronics Engineering was established in the year of 2002 and is one of the pillars of the University. It is accredited by NBA and aims to develop students for the professional practice of Electrical and Electronics Engineering by offering different programmes that encourage lifelong learning, teamwork and leadership, and promote creative discovery to contribute meaningfully to the development of India. The Department is practicing the state-of-art fields like Energy conservation and auditing Energy efficient systems and Renewable energy systems.*



**PERIYAR  
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INSTITUTE OF SCIENCE & TECHNOLOGY  
PERIYAR NAGAR, VALLAM, THANJAVUR  
ESTD - 1983

**Value Added Course on  
Life Skills and  
Personality Development  
from  
06.11.2023 to 10.11.2023**


**2023-2024 Even Semester**

*Department of Electrical  
and Electronics  
Engineering*

Periyar Nagar, Vallam,  
Thanjavur - 613 403,  
Tamil Nadu, India.  
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Web: [www.pmu.edu](http://www.pmu.edu)

## 16. Autodesk Fusion 360

<p><b>COURSE CONTENT</b></p> <p><b>Fusion 360</b></p> <ul style="list-style-type: none"> <li>■ Sketcher</li> <li>■ 3D Component Design</li> <li>■ Modifying Tools</li> <li>■ Assemblies</li> <li>■ Product Documentation</li> <li>■ Free Form Modeling</li> <li>■ Surface Design</li> <li>■ Design Visualization</li> <li>■ Sheet Metal Design</li> <li>■ Simulation &amp; Analysis</li> </ul>	<div style="text-align: center;">  <p><b>PERIYAR MANIAMMAI</b> INSTITUTE OF SCIENCE &amp; TECHNOLOGY <small>Periyar Institute of Technology</small> <small>Established Under the U of Madras Act, 1950. Affiliated</small></p> <p><small>Think • Innovate • Transform</small></p> </div> <p><b>CONVENOR</b></p> <p>Mr. A. Pugazhenthil Assistant Professor(S5) &amp; Head, Department Of Mechanical Engineering, Periyar Maniammai Institute of Science &amp; Technology, Vallam, Thanjavur.</p> <hr/> <p><b>Phone No. 9489250338</b></p> <p><b>Course Schedule</b></p> <p>Start Date: <b>30.10.2023</b> End Date: <b>03.11.2023</b></p>	<p><b>PERIYAR MANIAMMAI INSTITUTE OF SCIENCE &amp; TECHNOLOGY</b></p> <p><b>MECHANICAL ENGINEERING</b></p> <p><b>VALUE ADDED COURSE ON FUSION 360</b></p> <p><b>30 HOURS</b></p> <p><b>Course Coordinator</b> <b>Mr. A. Pugazhenthil</b> HOD/Mechanical</p> <p><b>Mr. R. Thiyagarajan</b> AP/Mechanical</p>
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<p><b>ABOUT PMIST</b></p> <p>Periyar Maniammai Institute of Science &amp; Technology is proud to be a unique institution of higher learning and academic excellence. In an endeavour to fulfil the dreams of our Mentor Thanthai Periyar and Annai Maniammaiyyar, the University is dedicated to its societal responsibility for transforming students from different parts of India and abroad into stalwarts by igniting their hidden talents. As it is located in a rural area, the students are admitted from a wide range of calibre and by personal attention, and modern teaching methodology towards a Product / Process / Demo / Case Study teaching, they are shaped into career oriented professionals with bright future. The University is making efforts to create new horizons in the arena of technical education and research. Curriculum innovation is given priority by the University to make the courses industry and research oriented. The dedicated and qualified faculty members routinely preach and practice for outcome based learning which leads towards an excellent academic career for the betterment of the students.</p>	<p><b>ABOUT VALUE ADDED COURSE</b></p> <p>The Value Added Courses aim to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of engineering students.</p> <p>The Main objective of this Courses are,</p> <ul style="list-style-type: none"> <li>■ To Provide understanding students of expectations of Industry, an the</li> <li>■ To bridge the skill gaps and make students Industry ready.</li> <li>■ To Provide an Opportunity to students to develop inter disciplinary skills.</li> </ul> <div style="text-align: center;">  </div> <p>Fusion 360 is a commercial computer-aided design (CAD), computer-aided manufacturing (CAM), computer-aided engineering (CAE) and printed circuit board (PCB) design software application, developed by Autodesk. It is available for Windows, macOS and web browser,[5] with simplified applications available for Android and iOS. Fusion 360 is licensed as a paid subscription, with a free limited home-based, non-commercial personal edition available.</p>	<p><b>REGISTRATION FORM</b></p> <p>Name : _____</p> <p>Designation : _____</p> <p>Organization : _____</p> <p>Address for Correspondence : _____</p> <p>Pin Code : _____</p> <p>Phone : _____</p> <p>E-mail : _____</p> <p><b>Declaration</b> The information furnished by me is true to the best of my knowledge. I agree to abide by the rules and regulation governing the value added course. If selected, I shall attend the program for the entire duration.</p> <p>Signature of the Participant _____ Signature of the HOD _____</p>
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## 17. Python Programming



The poster features a dark blue background with a large circular graphic on the left containing the Python logo and the word 'python' in a glowing font. The right side contains the course title 'VALUE ADDED COURSE PYTHON' in bold yellow and white text. Below the title is the Python logo and the heading 'RESOURCE PERSONS'. Two circular portraits of the resource persons are shown, with their names and titles below them. A yellow banner at the bottom contains a calendar icon and the dates '30.10.2023 - 03.11.2023'. The footer contains contact information for the Periyar Maniammai Institute of Science & Technology, the organizing department, and the convenors.

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**VALUE ADDED COURSE**  
**PYTHON**



**RESOURCE PERSONS**

  
**V.Priya, Assistant Professor ,  
Software Engineering, PMIST**

  
**R.Saranya, Assistant Professor ,  
Software Engineering, PMIST**

 **30.10.2023 - 03.11.2023**

**Periyar Maniammai Institute of  
Science & Technology  
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Vallam, Thanjavur.  
www.pmu.edu**

**Organized by  
Department of Mechanical  
Engineering  
For info:  
headmech@pmu.edu**

**Convenors  
Mr. A. Pugazhenthil, HOD / Mech.  
Co-ordinators  
Mr.V.Pandiaraj, AP (SS)/ Mech  
Mr.C.M.Vivek, AP (SS)/ Mech**

## 18. Youth Empowerment-Atos Prayas



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An Initiative of  
**Atos Prayas  
Foundation**  
an AICTE CSR initiative



### **Department of Computer Science And Engineering**

**Organizes**

**VALUE ADDED PROGRAMME**

## **CENTER OF EXCELLENCE FOR YOUTH EMPOWERMENT**



**Resource Person:**

**Dr.T.DEVASENATHIPATHI**  
Trainer, ICT Academy.

**Date : 21.08.2023 | Time : 9:30am -10:30am | Venue : Einstein Hall**

**Periyar Maniammai Institute  
of Science and Technology**  
(Deemed to be University)  
vallam, Thanjavur

For more details, visit  
**[www.pmu.edu](http://www.pmu.edu)**  
[headcse@pmu.edu](mailto:headcse@pmu.edu)

Co-ordinators :

**Ms.S.P.Ramya**  
Assistant Professor(SS)/CSE  
**Ms.A.V.M.B.Arana**  
Assistant Professor,CSE

## 19. Artificial Intelligence and Machine Learning

A poster for an AI and Machine Learning course. The background is a dark, futuristic scene with blue lighting and a robot. The text is white and pink. At the top right is the Periyar Maniammai Institute of Science & Technology logo and name. Below it, the department name is written in pink. The course title 'AI AND MACHINE LEARNING' is in large white letters with a circuit icon. The date and coordinator information are in white rounded rectangles. The organizer information is in a white rounded rectangle at the bottom.

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**DEPARTMENT OF  
COMPUTER SCIENCE AND  
APPLICATION**

**VALUE ADDED COURSE**

**AI AND  
MACHINE  
LEARNING**

**DATE: 12.03.24 -21.05.24**

**CO ORDINATOR :  
Ms.G.Umamaheswari AP/CSA**

**Organized by  
DEPARTMENT OF COMPUTER SCIENCE AND  
APPLICATIONS WITH PRAG ROBOTICS PVT LTD**

**DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS**



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# VALUE ADDED COURSE

ON



**DEV** (BUILD, CODE, TEST) ↔ **OPS** (DEPLOY, OPERATE, MONITOR)

**co ordinator**  
**Ms.G.Umamaheswari**  
ASSISTANT PROF/CSA

📅 12th march 2024- 8th April 2024

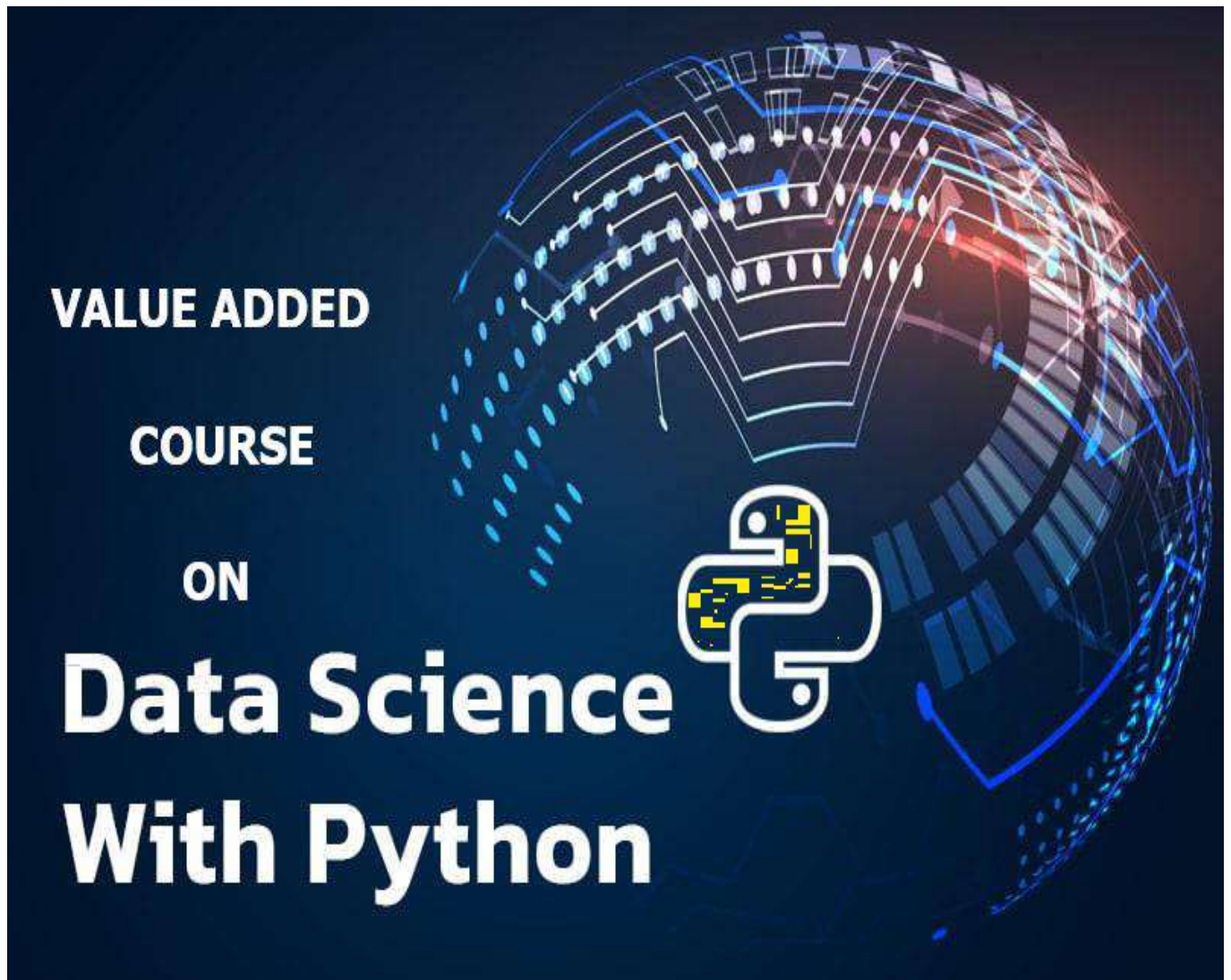
📍 periyar maniammai Institute of science and technology

\* [More Information](#) \*

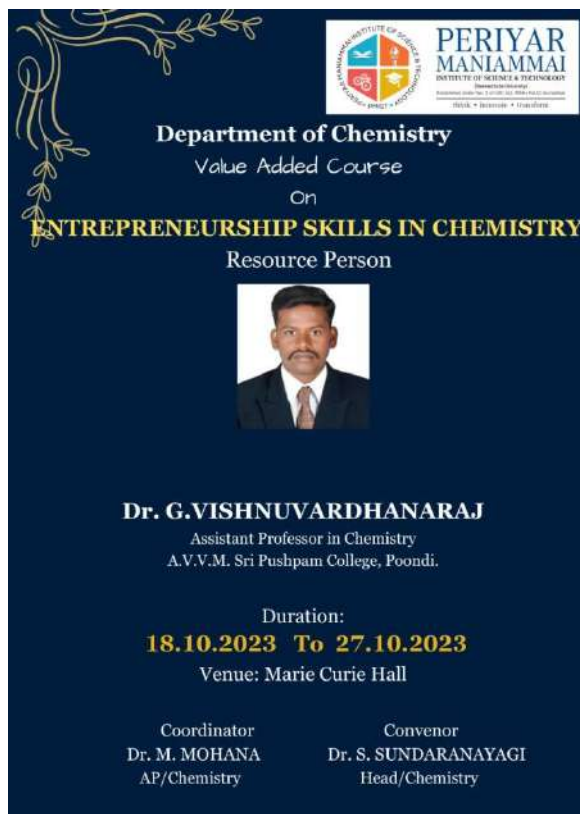
🌐 [www.pmu.edu](http://www.pmu.edu)      ✉ [headmca@pmu.edu](mailto:headmca@pmu.edu)

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## 21. Data Science using Python




## 22. Entrepreneurship Skills in Chemistry



**PERIYAR MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Department of Chemistry  
Periyar Maniammai Institute of Science & Technology  
Periyar Maniammai Institute of Science & Technology

**Department of Chemistry**  
Value Added Course  
On  
**ENTREPRENEURSHIP SKILLS IN CHEMISTRY**  
Resource Person



**Dr. G. VISHNUVARDHANARAJ**  
Assistant Professor in Chemistry  
A.V.V.M. Sri Pushpam College, Poondi.

Duration:  
**18.10.2023 To 27.10.2023**  
Venue: Marie Curie Hall

Coordinator  
Dr. M. MOHANA  
AP/Chemistry

Convener  
Dr. S. SUNDARANAYAGI  
Head/Chemistry

### About the Chemistry Department

The Chemistry department was established in the year 1988. The department is having highly qualified and well-experienced faculty members. The department is carrying out various research works in the fields of Photocatalysis, Bio-methanation, Supramolecular Chemistry, Environmental Chemistry, Nanomaterials for Energy Production and Nanomaterials by Green Synthesis.

### About the course

#### Entrepreneurship Skills in Chemistry

- Preparation of Detergent washing powder
- Preparation of Liquid blue
- Preparation of Pain relieving balm
- Preparation of Toothpaste
- Preparation of Room freshener
- Preparation of Utensils cleaning powder
- Preparation of Normal shampoo
- Preparation of Jasmine perfume liquid
- Preparation of Rosewater
- Preparation of White phenyl





## Value Added Course on Entrepreneurship Skills in Chemistry

**Resource Person :**  
**Dr. G. VISHNUVARDHANARAJ**  
Asst. Prof./Chemistry  
A.V.V.M. Sri Pushpam College, Poondi.

**Duration:**  
**18.10.2023 to 27.10.23**  
**Venue: Marie Curie Hall, PMIST.**




## 23. Industrial Chemistry



**Department of Chemistry**  
Value Added Course  
On  
**INDUSTRIAL CHEMISTRY**

Resource Person



**Dr. S. K. THIYAKARAJAN**  
Assistant Professor in Chemistry  
A.V.V.M. Sri Pushpam College, Poondi.

Duration:  
**18.10.2023 To 27.10.2023**  
Venue: Marie Curie Hall

Coordinator  
Dr. M. MOHANA  
AP/Chemistry

Convenor  
Dr. S. SUNDARANAYAGI  
Head/Chemistry

### About the Chemistry Department

The Chemistry department was established in the year 1988. The department is having highly qualified and well-experienced faculty members. The department is carrying out various research works in the fields of Photocatalysis, Bio-methanation, Supramolecular Chemistry, Environmental Chemistry, Nanomaterials for Energy Production and Nanomaterials by Green Synthesis.

### About the course

#### Industrial Chemistry

- Industrial effluent from the industries and water treatment.
- Estimation of hexavalent chromium present in the given water sample using colorimetric method.
- Corrosion in industries and its control
- Determination of corrosion rate by weight loss method.
- Protective coatings: Paints, pigments varnish and enamels
- Preparation of pigment (zinc oxide).
- Cement: Classification of cement, ingredients and their role, cement manufacture, and the setting process, quick setting cement.
- Analysis of Cement.



## Value Added Course

on

## Industrial Chemistry

### Resource Person

**Dr. S. K. THIYAKARAJAN**

Asst. Prof./Chemistry

A.V.V.M. Sri Pushpam College, Poondi.


### Duration:

**18.10.2023 to 27.10.23**


### Venue:

**Marie Curie Hall, PMIST.**

## 24. Fundamentals of Biomolecules




Department of Chemistry  
Value Added Course  
On  
**FUNDAMENTALS IN BIOMOLECULES**  
Resource Person





**Dr. V. MURALI KRISHNAN**  
Assistant Professor in Biochemistry  
Rajah Serfoji Government College, Thanjavur.

Duration:  
**16.10.2023 To 27.10.2023**  
Google Meet link:  
<https://meet.google.com/aod-wumb-fsn>

Coordinator Dr. M. MOHANA AP/Chemistry	Convenor Dr. S. SUNDARANAYAGI Head/Chemistry
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<p><b>About the Chemistry Department</b></p> <p>The Chemistry department was established in the year 1988. The department is having highly qualified and well-experienced faculty members. The department is carrying out various research works in the fields of Photocatalysis, Bio-methanation, Supramolecular Chemistry, Environmental Chemistry, Nanomaterials for Energy Production and Nanomaterials by Green Synthesis.</p>	<p><b>About the course</b></p> <p><b>Fundamentals in Biomolecules</b></p> <ul style="list-style-type: none"><li>• Introduction of biomolecules</li><li>• Protein structure and analysis</li><li>• Protein Characterization and Purification</li><li>• Enzymes</li><li>• Carbohydrates structure and function</li><li>• Lipids structure and function.</li><li>• Metabolism</li></ul>	
<p><b>Value Added Course</b> on <b>Fundamentals in Biomolecules</b></p>		
<p><b>Resource Person:</b> <b>Dr. V. Murali Krishnan</b> Asst. Prof. / Biochemistry Rajah Serfoji Government College, Thanjavur.</p>	<p><b>Duration: 16.10.2023 to 27.10.23</b> <b>Google Meet Link :</b> <a href="https://meet.google.com/aod-wumb-fsn">https://meet.google.com/aod-wumb-fsn</a></p>	

## 25. Spectral Interpretations



**Department of Chemistry**  
Value Added Course  
On  
**SPECTRAL INTERPRETATIONS**

Resource Person



**Dr. J. ELANGO VAN**  
Assistant Professor in Chemistry  
Rajah Serfoji Government College, Thanjavur.

Duration:  
**16.10.2023 To 27.10.2023**  
Google Meet link:  
<https://meet.google.com/wpa-ekfz-bud>

Coordinator <b>Dr. M. MOHANA</b> AP/Chemistry	Convenor <b>Dr. S. SUNDARANAYAGI</b> Head/Chemistry
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<p><b>About the Chemistry Department</b></p> <p>The Chemistry department was established in the year 1988. The department is having highly qualified and well-experienced faculty members. The department is carrying out various research works in the fields of Photocatalysis, Bio-methanation, Supramolecular Chemistry, Environmental Chemistry, Nanomaterials for Energy Production and Nanomaterials by Green Synthesis.</p>	<p><b>About the course</b></p> <p><b>Spectral Interpretations</b></p> <ul style="list-style-type: none"><li>Principles – instrumentations and applications of thermogravimetry analysis (TGA),</li><li>Differential Thermal Analysis(DTA), and Differential Scanning -</li><li>Calorimetry (DSC) -thermometric titrations – types – advantages. Basic aspects of synchronous fluorescence spectroscopy</li><li>spectral hole burning – flow cytometry– fluorometers (quantization) –</li><li>instrumentation – applications.</li></ul>	 <p>isochroman</p> <p><sup>1</sup>H NMR spectrum</p>
<p><b>Value Added Course</b> on <b>Spectral Interpretations</b></p>		
<p>Resource Person <b>Dr. J. Elangovan</b> Asst. Prof. / Chemistry Rajah Serfoji Government College, Thanjavur.</p>	<p>Duration: <b>16.10.2023 to 27.10.23</b> Google Meet link: <a href="https://meet.google.com/wpa-ekfz-bud">https://meet.google.com/wpa-ekfz-bud</a></p>	

## 26. Mutual Funds: A Beginner's Module

**About the course**

**Mutual Funds: A Beginner's Module**

**Mutual Funds:** Concept and structure of mutual funds in India; Role of regulator, Registrar and transfer agent; AMC; How fund offers work; procedure for investing in IPO, Investor right and obligation.

**Mutual Fund Products and Features:** Concept of open ended and close ended fund; Types of funds - equity, index, diversified large cap funds, midcap fund, sec or fund and other equity schemes; Concept of entry and exit load; Expense ratio; Portfolio turnover; AUM; Analysis of cash level in portfolio.


**Bal ETFs:** Introduction of exchange traded funds; Market making by authorized Participants; Creation Units; Portfolio deposits and cash Component.

**Debt Funds:** Salient features of debt fund; Concept of interest rate and credit risk; Pricing of debt instrument.

**Liquid Funds:** Salient features of liquid fund; Floating rate scheme and portfolio churning in liquid funds.


**Taxation:** Taxation of capital gains; Indexation benefit and FWP.

**Regulation:** Role and objectives of AMFI; Different types of plans: Systematic Investment Plan (SIP), Systematic Transfer Plan (STP) and Systematic Withdrawal Plan (SWP); Dividend payout.



**PERIYAR  
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UNIVERSITY OF LETTERS & HUMANITIES  
PERIYAR MANIAMMAI UNIVERSITY  
2007 & 2008 & 2010

**Value Added Course  
On  
Mutual Funds: A Beginner's  
Module**



**2023-2024  
EVEN Semester**

**DEPARTMENT OF COMMERCE**

Basilew Nagar, Valluvar, Thiruvannamalai - 611 003, Tamil Nadu, India  
Phone: +91 - 4362 - 264642, Fax: +91 - 4362 - 264660  
Email: [baselchem@pmu.edu](mailto:baselchem@pmu.edu), Website: [www.pmu.edu](http://www.pmu.edu)

## 27. Leadership Management

### Profile of the Department

The Department of Education was started in 2009 with the objectives of enhancing the professional Competencies and skills of serving teachers in Elementary, Secondary and Senior Secondary Schools. The Department offers B.Ed programmes from the academic year 2009 - 2010, after duly recognized by NCTE, Bangalore. The department also offering B.Sc. B.Ed. (Four Year Integrated Programme) from the academic year 2015. M.Phil. programmes (Full Time/Part Time) and Ph.D. programme (Full Time / Part Time) from the academic year 2010 - 2011.

### About the course

Leadership and management courses help people develop the skills to guide and motivate teams, make decisions, and manage projects. They can also help people improve their soft skills, such as communication and conflict resolution.

Here are some topics that might be covered in a leadership and management course:

**Leadership theories:** Learn about key leadership theories and models

**Conflict resolution:** Learn how to identify the root causes of conflicts, facilitate discussions, and find mutually acceptable solutions

**Team dynamics:** Learn how to resolve group conflicts and build a diverse culture

**Project management:** Learn how to organize and implement complex projects

**Emotional intelligence:** Learn how to develop your emotional intelligence and self-awareness

**Communication skills:** Learn how to improve your communication skills

Value Added Course  
On

Leadership Management

25.09.2023 to 07.11.2023

Organized by

DEPARTMENT OF EDUCATION



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Faculty • Innovative • Research

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TECHNOLOGY**

**(Deemed to be University)**  
Vallam, Thanjavur

## 28. Holistic and Multidisciplinary Education

### Profile of the Department

The Department of Education was started in 2009 with the objectives of enhancing the professional Competencies and skills of serving teachers in Elementary, Secondary and Senior Secondary Schools. The Department offers B.Ed programmes from the academic year 2009 - 2010, after duly recognized by NCTE, Bangalore. The department also offering B.Sc. B.Ed. (Four Year Integrated Programme) from the academic year 2015. M.Phil. programmes (Full Time/Part Time) and Ph.D. programme (Full Time / Part Time) from the academic year 2010 - 2011.

### About the course

Holistic and multidisciplinary education is a teaching approach that combines different disciplines and perspectives to help students develop critical thinking, problem-solving, and creativity skills. It also aims to help students become adaptable and lifelong learners who can thrive in a changing world.

Here are some features of holistic and multidisciplinary education:

**Integrated learning:** Students learn to make connections between different disciplines and how they influence each other.

**Flexible curriculum:** Students can choose their own learning path and take courses of their choice.

**Broader perspective:** Students learn to approach problems from multiple perspectives.

**Interdisciplinary mobility:** Students can move between institutions and transfer credits.

**Value-based education:** Students learn about humanistic, ethical, and universal values.

Value Added Course  
On

Holistic And Multidisciplinary Education

25.09.2023 to 07.11.2023

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DEPARTMENT OF EDUCATION



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TECHNOLOGY

(Deemed to be University)

Vallam, Thanjavur

## 29. Health Education and Health Promotion

### Profile of the Department

The Department of Education was started in 2009 with the objectives of enhancing the professional Competencies and skills of serving teachers in Elementary, Secondary and Senior Secondary Schools. The Department offers B.Ed programmes from the academic year 2009 - 2010, after duly recognized by NCTE, Bangalore. The department also offering B.Sc. B.Ed. (Four Year Integrated Programme) from the academic year 2015. M.Phil. programmes (Full Time/Part Time) and Ph.D. programme (Full Time / Part Time) from the academic year 2010 - 2011.

### About the course

Health Education is a process which affects changes in health behaviour of people. The training in Health Education at post graduate level is directed to study and understand various factors involved in the process of imparting knowledge and changing attitude and behaviour of the people so as to promote health.

Health Education and Health Promotion is a course that teaches students how to:

- Identify health determinants
- Design, implement, and evaluate health programs
- Improve health literacy
- Develop life skills that promote health
- Promote healthy lifestyles
- Assess health needs
- Plan for changing health behaviors
- Analyze factors that impact health
- Use health data to determine community health education needs

Value Added Course  
On

Health Education and Health Promotion

25.09.2023 to 07.11.2023

Organized by

DEPARTMENT OF EDUCATION



**PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND  
TECHNOLOGY**  
(Deemed to be University)  
Vallam, Thanjavur

## 30. Fundamentals of Computer Networks

### Profile of the Department

The Department of Education was started in 2009 with the objectives of enhancing the professional Competencies and skills of serving teachers in Elementary, Secondary and Senior Secondary Schools. The Department offers B.Ed programmes from the academic year 2009 - 2010, after duly recognized by NCTE, Bangalore. The department also offering B.Sc. B.Ed (Four Year Integrated Programme) from the academic year 2015, M.Phil, Programmes (Full Time/Part Time) and Ph.D. programme (Full Time / Part Time) from the academic year 2010 - 2011.

### About the course

A fundamental networking course can teach you about the theory and terminology of networks, how to configure and troubleshoot them, and how to maintain a safe network environment.

#### Network theory and terminology

Learn about network components, models, and types of networks

#### Network configuration

Understand how to configure network hardware, such as routers and switches, and how to use DHCP and DNS

#### Troubleshooting

Learn how to troubleshoot wired and wireless networks, including using packet sniffers

#### Network security

Learn how to use multifactor authentication to prevent unauthorized access, and how to implement network infrastructure contingency and recovery plans

**Value Added Course  
On**

**Fundamentals of Computer Networks**

**15.09.2023 to 07.11.2023**

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**DEPARTMENT OF EDUCATION**



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TECHNOLOGY  
(Deemed to be University)  
Vallam, Thanjavur**



## 31. Quantitative Aptitude



### VALUE ADDED COURSE

THIS COURSE PROVIDES AN INTRODUCTION TO THE APPLICATIONS OF QUANTITATIVE APTITUDE IN DAILY LIFE.. PARTICIPANTS WILL GAIN A COMPREHENSIVE UNDERSTANDING OF THE FOUNDATIONAL ELEMENTS OF THE QUANTITATIVE APTITUDE IN DAILY LIFE

Established in 2009 with the objectives to enhance the professional competencies and skill for student teacher which enable them to serving as teachers in elementary ,secondary and higher secondary schools with self confidence and have a competence in the teaching community the department is highly qualified and wellexperienced faculty members the department of Education offers B.Ed program and 4 year integrated program B.Sc.B.Ed., with triple major specialization .



DEPARTMENT  
OF EDUCATION

QUANTITATIVE  
APTITUDE

## 32. Montessori Education

### Department of Education

Established in 2009 with the objectives of enhance the professional competencies and skills for student teachers which enable them to serving as teachers in Elementary, Secondary and Higher Secondary Schools with self-confidence and have a competence in the teaching community. The department is having highly qualified and well-experienced faculty members. The Department of Education offers B.Ed. Programme and four year integrated B.Sc. B.Ed. Programme from 2015.

### About the Course:

This course provides an introduction to the principles and concepts of Montessori Education. Montessori education is a child-centred educational approach developed by Dr. Maria Montessori, an Italian physician and educator. Montessori education is based on the idea that children learn best through active exploration and discovery, rather than passive listening and memorization.

### Course Objectives:

After the completion of the course, the students will be able to

1. Know about the preschool education and Psychology of pre schooling children
2. Gain knowledge and understand about the need for exercises of practical life
3. Understand the significant role of language on the development of personality of the children
4. Gain knowledge about the need learning basic arithmetic operations by the pre school children



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Periyar Maniammai Institute of Science & Technology  
Vallam, Thanjavur

Value Added Course

On

**MONTESSORI EDUCATION**

**Academic Year 2023-2024  
Even Semester**



By

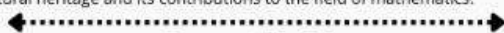
**Department of Education  
Periyar Maniammai Institute of  
Science & Technology  
(Deemed to be University),  
Vallam, Thanjavur.**

### 33. Vedic Mathematics



#### OBJECTIVE-VEDIC MATHEMATICS

The objective of promoting Vedic Mathematics in India is to revive and propagate the ancient system of mathematics. Vedic Mathematics aims to provide simple and speedy calculation techniques that can be easily understood and applied by students, thus enhancing their mathematical abilities and confidence. By integrating Vedic Mathematics into the educational curriculum, the objective is to improve overall mathematical proficiency among students, making them more adept at mental calculations, problem-solving, and analytical thinking. This approach also seeks to foster a deeper appreciation and understanding of India's rich cultural heritage and its contributions to the field of mathematics.



#### Program Schedule

- 26-03-2024-9.00 am - 4.30 pm-7 hrs
- 27-03-2024-9.00 am - 1.00 pm-4 hrs
- 28-03-2024-9.00 am - 4.30 pm-7 hrs
- 29-03-2024-9.00 am - 4.30 pm-7 hrs
- 30-03-2024-9.00 am - 12.00 pm-3 hrs
- 01-04-2024-12.00 am - 2.00 pm-2 hrs

Convenor  
Dr.S.Buwaneswari  
HOD/Maths

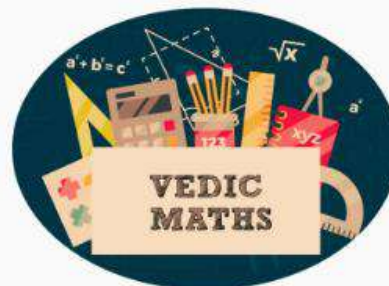
Co-ordinator  
Dr.J.Jayanthi  
AP-(SG)

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## VALUE ADDED COURSE ON VEDIC MATHEMATICS



26/03/2024 TO 01/04/2024

Resource Person-S..Selvakumar-Oscar Institute

#### DEPARTMENT OF MATHEMATICS

Periyar Nagar, Vallam, Thanjavur-613 403, Tamil Nādu,  
India Phone: +91-4362-264600 Fax: +91-4362-264600  
Email: [headmaths@pmu.edu](mailto:headmaths@pmu.edu),



## 34. Six Sigma

<p><b>About the Department</b></p> <p>The Department of Management Studies was started in the year of 2007. In an effort to cater to the present day requirement for trained managerial talent, since its inception the department has been offering Master of Business Administration (MBA) with diversified specializations such as Human Resources, Marketing, Finance, Business Analytics and Operations. The uniqueness of this MBA (Dual Specialization) programme is that the students are allowed to specialize in two areas of their choice concurrently.</p>	<p><b>About the Course</b></p> <h3>Six Sigma</h3> <ul style="list-style-type: none"><li>● Introduction to Six Sigma</li><li>● Channels of Six Sigma</li><li>● Parts of Six Sigma</li><li>● Identifying Problems in Six Sigma</li><li>● Validate Assumptions</li><li>● Brainstorm Solutions</li><li>● Prepare for Implementation</li></ul>	 <p>The poster features the Periyar Maniammai University logo at the top left. Below it, the text reads: 'DEPARTMENT OF MANAGEMENT STUDIES OFFERS A VALUE ADDED COURSE ON SIX SIGMA For the Academic Year 2022-203'. A central diagram shows the Six Sigma process: Define, Measure, Analyze, Improve, Control, and Reduce. At the bottom, there are logos for 'No23' and 'STATE BANK OF INDIA'.</p>
<p><b>VALUE ADDED COURSE ON</b></p> <p><b>SIX SIGMA</b></p> <p><b>DURATION</b></p> <p><b>24<sup>TH</sup> FEBRUARY TO 21<sup>ST</sup> MAY 2024</b></p> <p><b>VENUE: FREUD HALL, PMIST, THANJAVUR</b></p>		

## 35. Digital Banking

<p><b>About the Department</b></p> <p>The Department of Management Studies was started in the year of 2007. In an effort to cater to the present day requirement for trained managerial talent, since its inception the department has been offering Master of Business Administration (MBA) with diversified specializations such as Human Resources, Marketing, Finance, Business Analytics and Operations. The uniqueness of this MBA (Dual Specialization) programme is that the students are allowed to specialize in two areas of their choice concurrently.</p>	<p><b>About the Course</b></p> <h3>Digital Banking</h3> <ul style="list-style-type: none"><li>● Introduction to Digital Banking</li><li>● Channels of Digital Banking</li><li>● Mobile Banking</li><li>● Frauds related to ATM's</li><li>● Cash Deposit Machines</li><li>● Cheques Transactions</li><li>● Payment Systems</li></ul>	 <p><b>DIGITAL BANKING</b></p>
<p><b>VALUE ADDED COURSE ON</b></p> <p><b>DIGITAL BANKING</b></p> <p><b>DURATION</b></p> <p><b>24<sup>TH</sup> SEPTEMBER TO 17<sup>TH</sup> DECEMBER 2023</b></p> <p><b>VENUE: FREUD HALL, PMIST, THANJAVUR</b></p>		

## 36. Joy of Computing using Python





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think • innovate • transform

*Department of Physics*

*Value Added Course on*  
*“Joy of Computing using Python”*

*Resourse Person*



*Ms. Bevika Poyyamozhi   Ms. J. Mariya Aroni*

*Python and AI Developer,  
Galwin Technology,  
Trichy.*

*Venue: Bussiness Research Lab  
TB II - 315*

*Duration  
16.10.2023  
to  
20.10.2023*

*Co-ordinator                      Convenor*  
*Dr. J. Jayarubi                      Dr. P. Gayathri*  
*AP / Physics                          Head / Physics*

