PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

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

Key Indicator	1.3	Curriculum Enrichment
Metric	1.3.2	***Number of value-added courses for imparting transferable and life skills offered during 2021 - 2022***

Brochure and Course content of

Value added courses offered

ACADEMIC YEAR 2021-22

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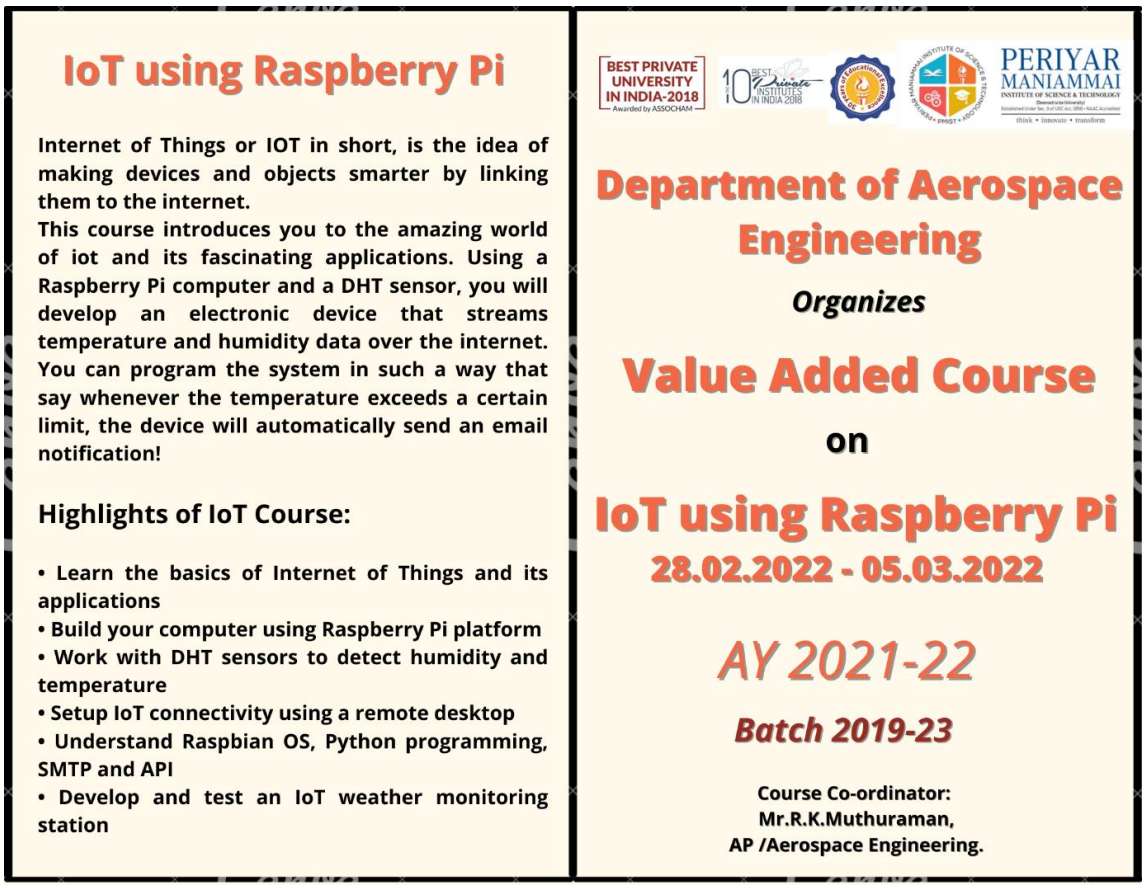
1. IoT Using Raspberry Pi



2. AUTOCAD

AUTOCAD
AUTOCAD training course is designed to expand and enhance the Student's ability to combine and apply CAD to design & Analyze /engineering projects related to Aero & Mechanical Engineering .
• Introduction to NX-CAD
• Drawing Sketches for Solid Models
• Adding Constraints and Dimensions to Sketches Editing, Extruding and Revolving Sketches
• Working with Fixed and Relative Datum Planes, Coordinate Systems and Datum Axes
• Advanced Modeling Tools-I Advanced Modeling Tools-II
• Editing Features and Advanced Modeling Tools-III Assembly Modeling -I, Assembly Modeling -II
• Generating, Editing, and Dimensioning the Drawing Views
• Surface Modeling Advanced
BEST PRIVATE UNIVERSITY IN INDIA-2018
Awarded by ASSOCHAM
PERIYAR MANIAMMAI
INSTITUTE OF SCIENCE & TECHNOLOGY
Department of Aerospace Engineering
Organizes
Value Added Course
on
AutoCAD
28.02.2022 - 05.03.2022
AY 2021-22
Batch 2020-24
Course Co-ordinator:
Mr.R.K.Muthuraman,
AP/Aerospace Engineering.

3.Autodesk Autocad

BEST PRIVATE UNIVERSITY IN INDIA-2018
Awarded by ASSOCHAM

THE 10 BEST Private INSTITUTES IN INDIA 2018

33 YEARS OF EDUCATIONAL EXCELLENCE

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DEPARTMENT OF ARCHITECTURE
VALUE ADDED TRAINING
"COURSE SUMMARY"

AUTODESK
AUTOCAD

- 15 November 2021
to
20 November 2021

- 40 Hours

Computer-aided design (CAD) is technology for :

Design and technical documentation

2D and 3D drawings

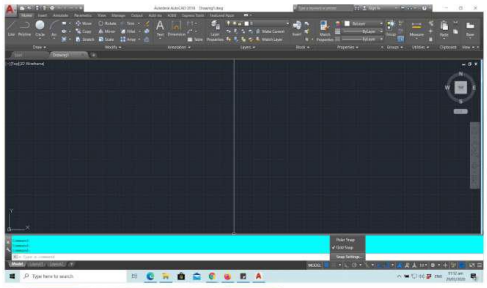
Models

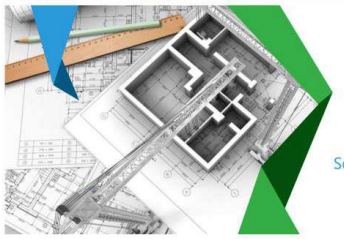
Electrical Drawings

Construction Drawings

Architectural Drawings

AutoCAD is a commercial computer-aided design (CAD) and drafting software application.AutoCAD is the original CAD software used by millions around the world. It can be used to create precise 2D and 3D drawings and models, as well as electrical diagrams, construction drawings, and more.





AutoCAD
Software Training

For any Queries Please do contact :
Er. R . Latha - 9944495784
VAC Co - cordinator - PMIST

Convenor
Dr. C.V.Subramanian
Dean/ Faculty of Architecture & Planning

Co convenor
Ar . N . Ramesh Babu
Head of the Department

4. Act-3D LUMION

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Awarded by ASSOCHAM

THE 10 BEST Private INSTITUTES IN INDIA 2018

33 YEARS OF EDUCATIONAL EXCELLENCE

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DEPARTMENT OF ARCHITECTURE
VALUE ADDED TRAINING

"COURSE SUMMARY"

LUMION

Act - 3D

- 18 October 2021 to -23 October 2021

- 40 Hours

The Desktop 3D applications that are supported by Lumion are:

Trimble SketchUp

Autodesk Revit

Autodesk FormIt Pro

Graphisoft ArchiCAD

Autodesk Autocad

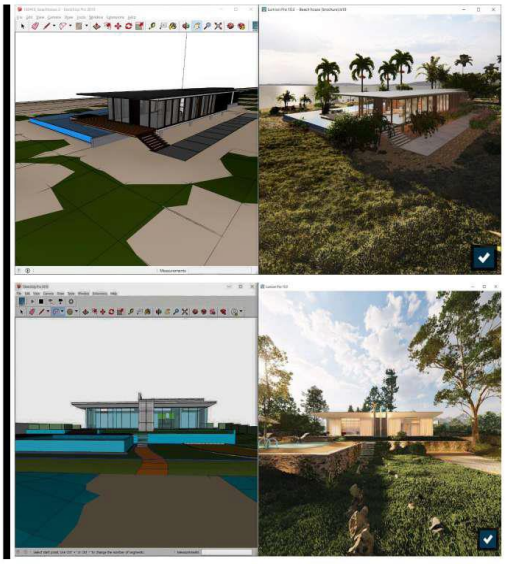
Rhinoceros

BricsCAD

3D Studio Max

Lumion is architectural rendering software that makes it easy to convey how your projects will translate into real-life experiences and emotions.

Lumion is specifically made for architects who need a faster and more intuitive tool when bringing their design ideas to life.



For any Queries Please do contact :

Er. R . Latha - 9944495784

VAC Co - cordinator - PMIST

Convenor
Dr. C.V.Subramanian
Dean/ Faculty of Architecture & Planning

Co convenor
Ar . N . Ramesh Babu
Head of the Department

5. V-Ray

BEST PRIVATE UNIVERSITY IN INDIA-2018
Awarded by ASSOCHAM

THE 10 BEST Private INSTITUTES IN INDIA 2018

33 YEARS OF EDUCATIONAL EXCELLENCE

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DEPARTMENT OF ARCHITECTURE
VALUE ADDED TRAINING
"COURSE SUMMARY"

v-ray | chaos

- 07 March 2022 to 12 March 2022

- 40 Hours

The Desktop 3D applications that are supported by V-Ray are:

Autodesk 3ds Max

Autodesk Revit[2]

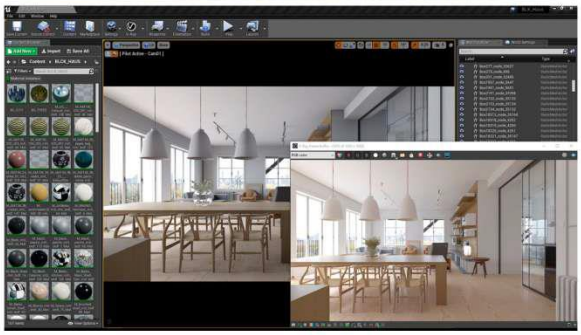
Maya

Rhinoceros

SketchUp

Blender

V-Ray is a commercial plug-in for third-party 3D computer graphics software applications and is used for visualizations and computer graphics in industries such as media, entertainment, film and video game production, industrial design, **product design and architecture.**



For any Queries Please do contact :
Er. R . Latha - 9944495784
VAC Co - cordinator - PMIST

Convenor
Dr. C.V.Subramanian
Dean/ Faculty of Architecture & Planning

Co convenor
Ar . N . Ramesh Babu
Head of the Department

6. Food Processing Technology

BIOTECHNOLOGY RESEARCHERS & INNOVATORS CONSORTIUM
BRIC
PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
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VALUE ADDED COURSE
ON FOOD PROCESSING TECHNOLOGY
Course Coordinator
Dr.K.Anbararu
Assistant professor
Department of Biotechnology
PMIST- Thanjavur.
Content
Introduction to Food technology-Conventional and Non conventional foods-scope and importance of food technology- Microbiology of fermented food- production of food product(Yeast, bacteria, etc.)- Fermented Food-yogurt, cheese, vinegar - soya sauce- Processing of Food - Biotechnological approaches to improve nutritional quality - Food Quality analysis Quality assurance - Food preservation technique- Food preservation by Low-Temp-Food preservation by heating - Non-Thermal Preservation - different type of Packaging material - Marketing.
Organized by
Department of Biotechnology
Date: 05 - 03-2022 to 26 -03-2022
PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY (PMIST)
PERIYAR NAGAR, VALLAM, THANJAVUR - 613403, TAMIL NADU, INDIA

7. STADD PRO

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

VALUE ADDED COURSES

STADD PRO

Date : 26.02.2022 -02.04.2022

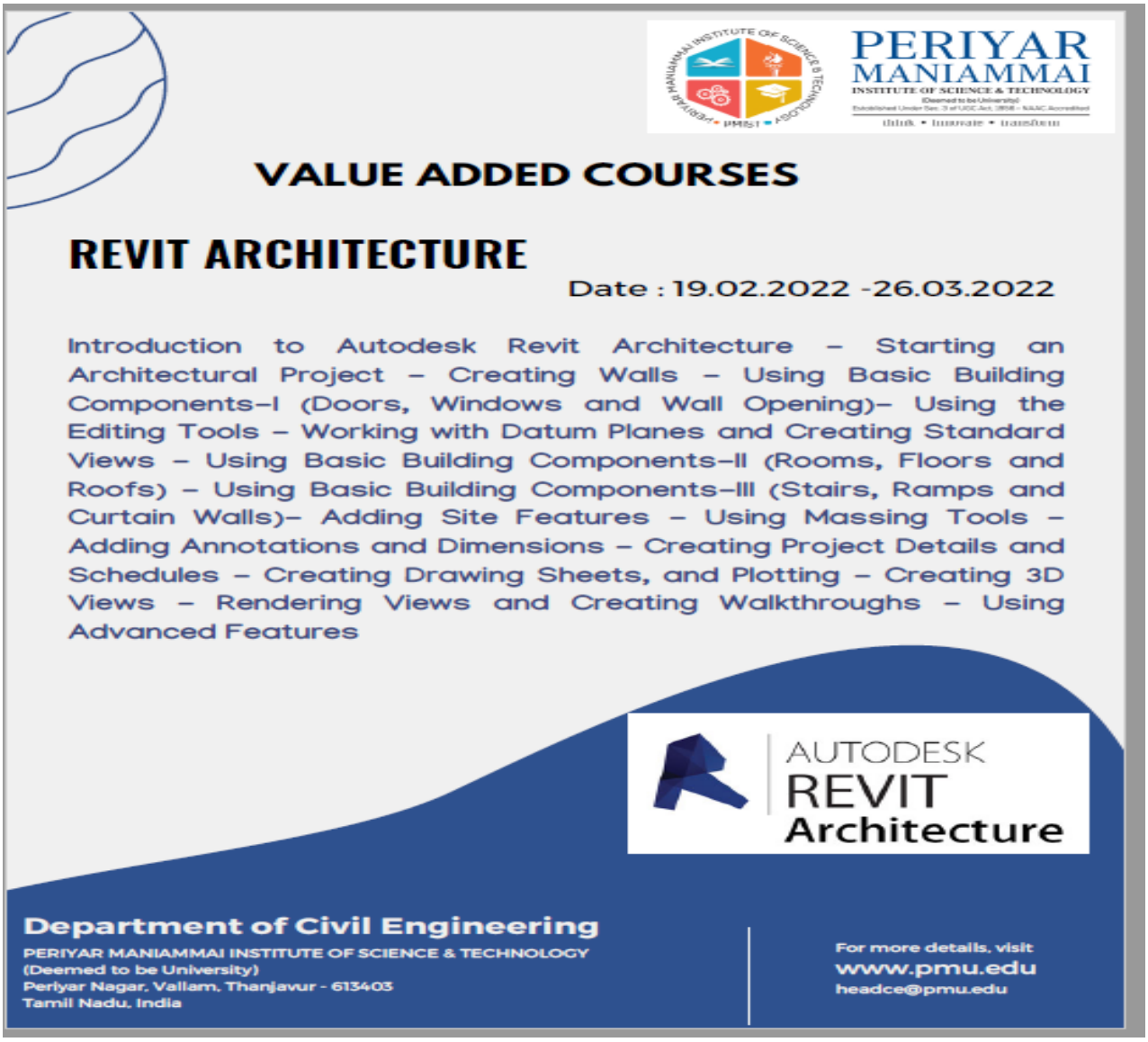
Introduction to STAAD.Pro.V8i – Getting familiar with STAAD window – Model generation using STAAD editor – Introduction to Snap Node/Beam Editor – Model generation using Node/Beam Editor – Introduction to Translational Repeat – Model generation using Translational Repeat Assigning Properties – Assigning 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

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
www.pmu.edu
headce@pmu.edu

8. REVIT ARCHITECTURE



9. AUTOCAD

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
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VALUE ADDED COURSES
AUTOCAD
Date : 05.02.2022 - 05.03.2022
Getting Started with AutoCAD – Basic Drawing & Editing Commands – Projects – Creating a Simple Drawing – Drawing Precision in AutoCAD – Making Changes in Drawing – Drawing Templates –Organizing Drawing with Layers – Advanced Object Types – Analyzing Model and Object Properties – Drawing Organization & Information –Advanced Editing Commands – Inserting Blocks – – Text – Hatching –Adding Dimensions – Creating More Complex Objects – Setting Up a Layout – Printing Drawing
AutoCAD
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
www.pmu.edu
headce@pmu.edu

10.NET WITH SQL

11. ATTIUM DESIGN AND FABRICATION TECHNIQUES

About the course

This is a basic course for designing of PCB using software. PCB(Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade.

Learning Objectives

1. Introduction to PCB designing concepts.
2. Component introduction and their categories.
3. Introduction to development tools.
4. Detailed description and practical of PCB designing.
5. Lab practice and designing concepts.

About AK Electronix

AK Electronix is one of the top Electronics design &manufacturing companies Place in South Tamilnadu. They are recognized for the fast turnaround with 'First time right design'techniques givingyou faster time-to-market. The products that they have designed are field proven & workingsuccessfully 24/7, always exceeding customer expectations and also provide a wide array of engineering services that includes, Embedded Systems Design, Custom Electronics Design, PCB Design, IoT Hardware, Firmware development, Prototyping& Electronic Manufacturing Services

AK ELECTRONIX, Sivagangai.

Address: 80-D Vivekandhapuram North Street, Sivagangai, Tamil Nadu – 630 302.

Phone: 9176206839.

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PMIST

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INSTITUTE OF SCIENCE & TECHNOLOGY

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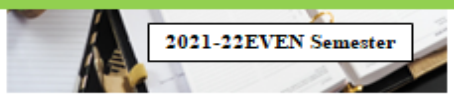
Value Added Course On ALTIUM DESIGN AND FABRICATION TECHNIQUES



2021-22EVEN Semester

Department of Electronics and Communication Engineering

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 -264642, Fax: +91 - 4362 - 264660
Email: headece@pmu.edu Website: www.pmu.edu

Application Form

Name _____
(last) (first) (middle)

☐ Male ☐ Female

Year/Branch/Section _____
(Year) (Branch) (Section)

Academic year & Semester _____

Amount Paid _____ Bill Number _____ Date: _____

e-mail _____ Phone Number: _____

Student Signature Course Coordinator HoD/ECE

About ECE Department

VISION

To be an innovative leading department in the domain of Electronics and Communication Engineering in promoting academic growth by offering UG, PG and Ph.D Programmes to augment the industrial and societal needs through cutting edge research activities.

Courses offered

- B.Tech – Electronics and Communication Engineering
- M.Tech – Wireless Communication (Full time & Part time
- M.Tech – Nanotechnology (Full time & Part time)
- Ph.D – Electronics and Communication Engineering
- Ph.D – Nanotechnology

12. INDUSTRIAL AUTOMATION & ROBOTICS (ECE)

13.INDUSTRIAL AUTOMATION & ROBOTICS EEE

PERIYAR MANIAMMAI

VALUE ADDED CERTIFICATE TRAINING

on

INDUSTRIAL AUTOMATION & ROBOTICS

Date:20/12/21 to 24/12/21|Time: 9:00AM to 4:00PM

Organized by

Centre of Excellence in Training and Research in Automation Technology & eYantra-PMIST

Participants

Final year Engineering students from ECE,Mechanical,Aerospace,CSE,EEE

14. PCB DESIGINING

About the course

This is a basic course for designing of PCB using software. PCB(Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade.

Learning Objectives:

1. Introduction to PCB designing concepts.
2. Component introduction and their categories.
3. Introduction to development tools.
4. Detailed description and practical of PCB designing.
5. Lab practice and designing concepts.

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. The main aim of the department is 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 in the state-of-art fields like Energy conservation and auditing Energy efficient systems and Renewable energy systems.

- *B.Tech.(Electrical and Electronics Engineering)*
- *M.Tech.(Power Electronics and Drives)*
- *Ph.D.*

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

Value Added Course

on

PCB Designing

2021-2022 Even Semester

Department of Electrical and Electronics Engineering

Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660
Email: hcalcoc@pmu.edu Web: www.pmu.edu

15. Auto CAD – Electrical

About the course

Auto CAD Electrical is a CAD software electrical designers and engineers. It is widely used software for creating electrical and electronic diagrams, schematic and control circuit diagrams and documentations. Auto Cad electrical comes with powerful drafting tools for controls and schematic design. Its rich repository of symbol libraries helps designers increase their productivity in electrical design tasks.

Learning Objectives:

1. Application of Auto CAD
2. Introduction to engineering drawings
3. Drawing tools
4. Exploring GUI
5. Layer Management
6. Project properties
7. Drawing properties
8. Circuit builder
9. Point to point wiring tools
10. Circuit Design.

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. The main aim of the department is 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 in the state-of-art fields like Energy conservation and auditing Energy efficient systems and Renewable energy systems.

- *B.Tech.(Electrical and Electronics Engineering)*
- *M.Tech.(Power Electronics and Drives)*
- *Ph.D.*

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

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Value Added Course

on

Auto CAD-Electrical

2021-2022 Even Semester

Department of Electrical and Electronics Engineering

Vallam, Thanjavur - 613 403, Tamil Nadu, India.
Phone: +91 - 4362 – 264600 Fax: +91-4362 - 264660
Email: headeee@pmu.edu Web: www.pmu.edu

16.CREO PARAMETRIC

Course Content

Creo Parametric

- Introduction to Creo Parametric
- Creating Sketches in the Sketch mode
- Creating Base features
- Datums
- Options Aiding Construction of parts
- Advanced Modelling tools
- Assembly Modelling
- Generating, Editing and Modifying
- Dimensioning the drawing views
- Surface Modelling
- Working with Sheet metal Components

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

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Contact Info

Dr.J.Thiagarajan,
Associate Professor & Head

Department of Mechanical Engineering

Periyar Maniammai Institute of Scienece and Technology
Vallam, Thanjavur.

Phone No - 9003976775

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Presents

Value Added Course on CREO PARAMETRIC

DATE
31.03.2022 TO 13.04.2022

DURATION - 30 HOURS

ABOUT PMIST

PMIST is a proud to be an unique Institution of higher learning and academic excellence. In an endeavour to fulfill the dreams of our Mentor Thanthai Periyar and Annai Maniammaiyar, the University is dedicated to its social 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 professional with bright future.

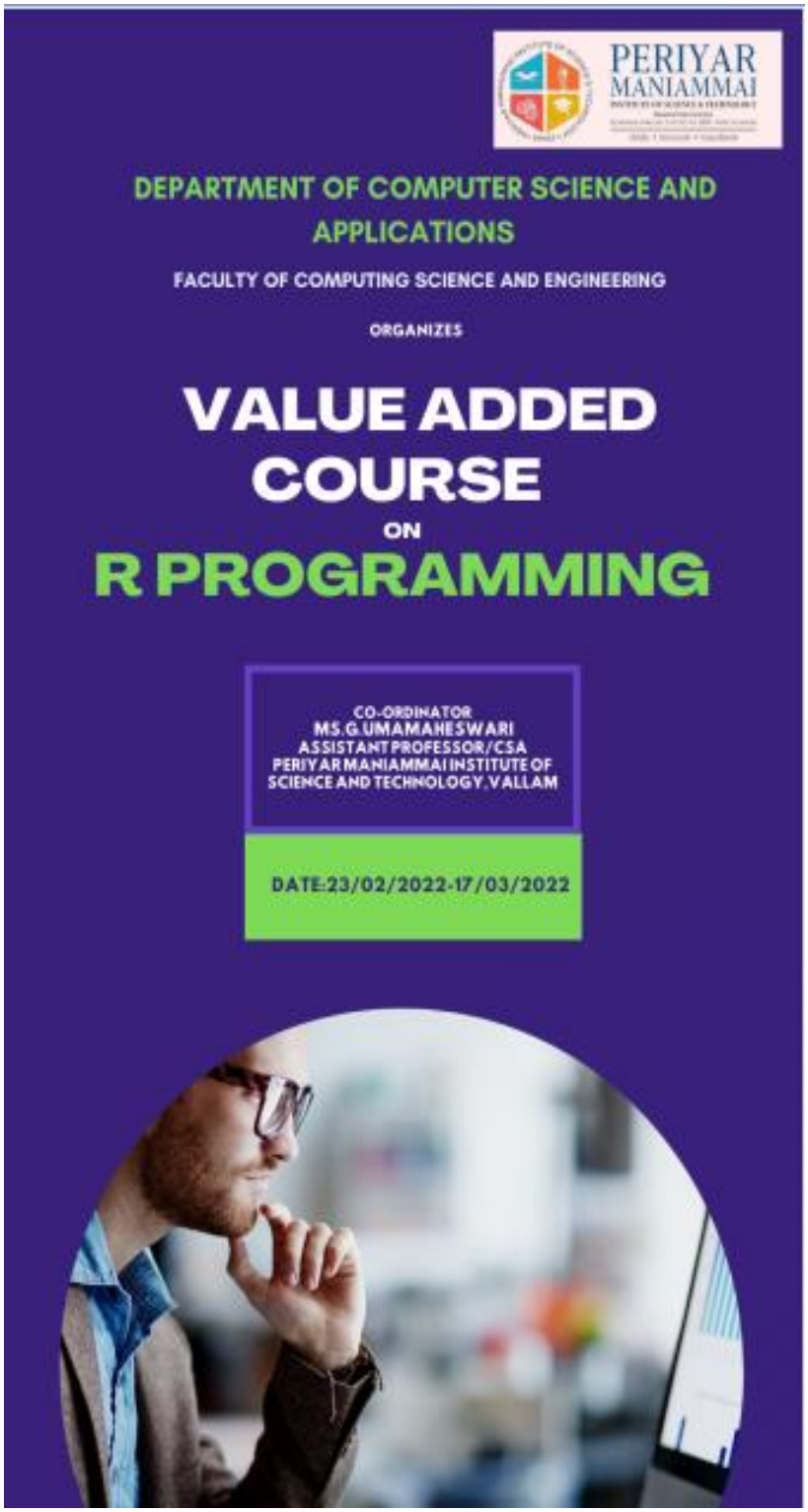
ABOUT VALUE ADDED COURSE

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 of PMIST.

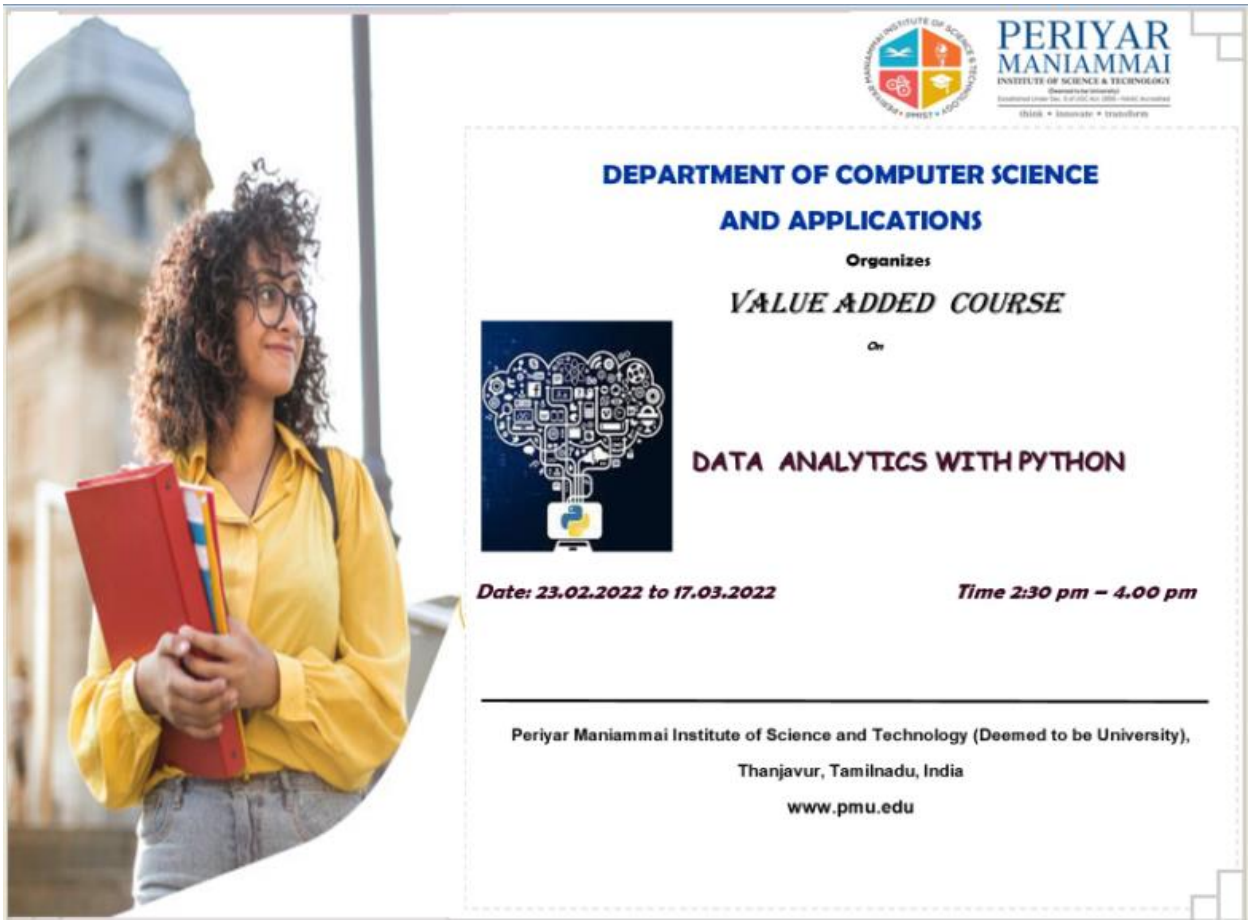
The Main Objectives of this courses are,

- To Provide students an understanding of the expectations of Industry.
- To Improve employability skills of engineering students from PMIST.
- To bridge the skill gaps and make students industry ready.
- To Provide an Opportunity to students to develop inter-disciplinary skills.
- The Strategy adopted tries to bridge the perceived technical competency gaps of students by providing training in employability enhancing technical courses.

17.R PROGRAMMING



18. DATA ANALYTCS WITH Python



19. Introduction to SPSS

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

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DEPARTMENT OF COMMERCE

Organised Value Added Course on

"Introduction to SPSS"

(for Final Year B.Com, B.Com Hons (2019 –2022 Batch))

Date: 25.02.2022 to 09.03.2022 Venue: PKC Ext. 208

Resource Persons

Dr.D.Umamaheswari, Professor
Dr.N.Jayanthi, Asso. Prof
Dr.R.Sathishkumar, Asst. Prof.

DEPARTMENT OF COMMERCE
Periyar Maniammai Institute of Science and Technology
(Deemed to be University)
Periyar Nagar, Vallam, Thanjavur, 613403,
Tamilnadu, India.

CONVENER
Dr.N.Jayanthi, Asso. Prof. & Head
COORDINATOR
Dr.R.Sathishkumar, Asst. Prof.
Dr.S.Prabhu, Asst. Prof.

20. Tally ERP 9 with GST

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMMERCE

Organised Value Added Course on

"Tally ERP 9 with GST"

(for B.Com Hons (2021 –2024 Batch))

Date: 30.05.2022 to 11.06.2022 Venue: PKC Ext. 310

Resource Person

Dr.S.Prabhu, M.Com., M.Phil., Ph.D.,

Assistant Professor,

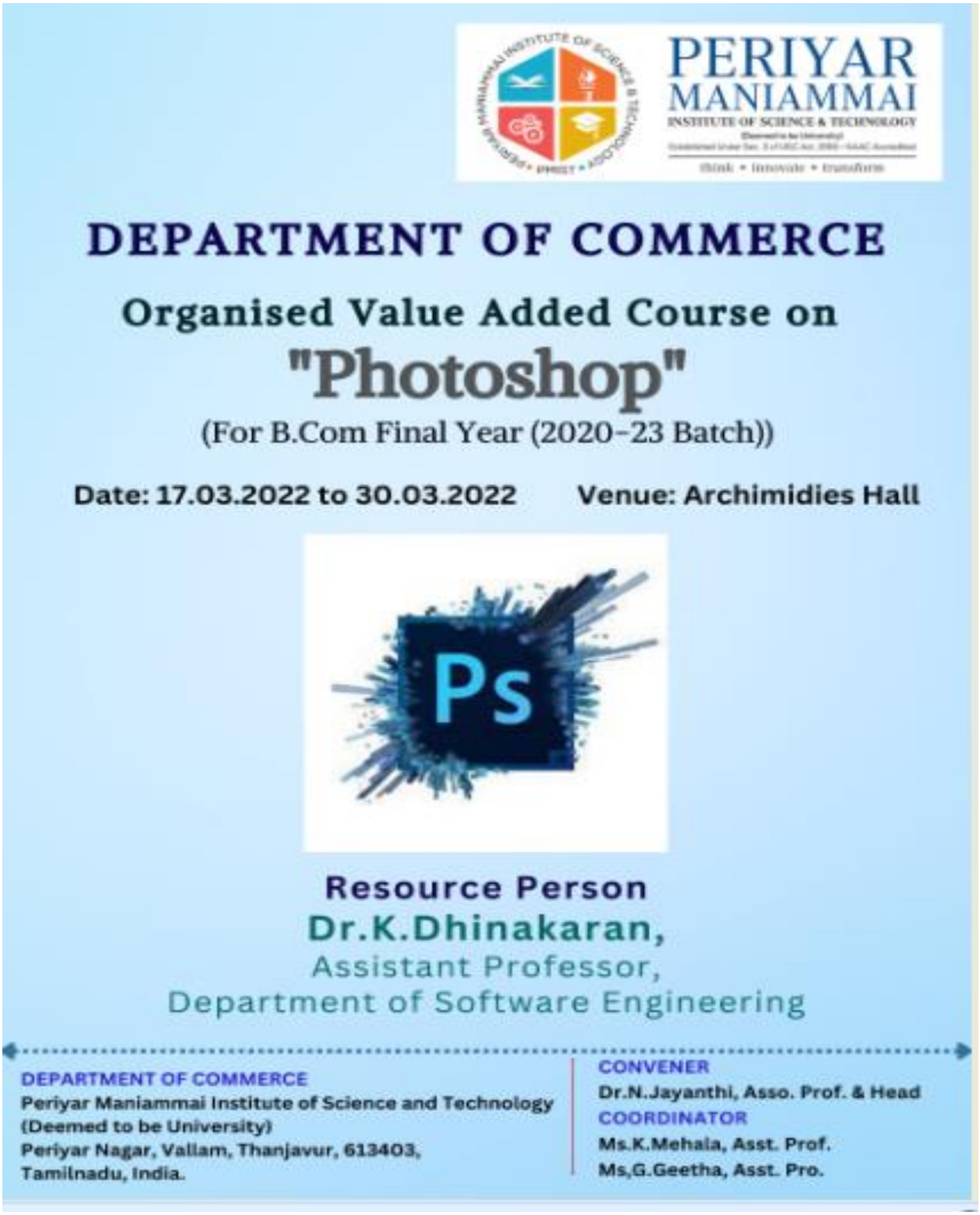
Department of Commerce,

Periyar Maniammai Institute of Science and Technology

DEPARTMENT OF COMMERCE
Periyar Maniammai Institute of Science and Technology
(Deemed to be University)
Periyar Nagar, Vallam, Thanjavur, 613403,
Tamilnadu, India.

CONVENER
Dr.N.Jayanthi, Asso. Prof. & Head
COORDINATOR
Ms.K.Sumithra, Asst. Prof.

21. Photoshop



22.Basic E- Commerce Site Creation

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

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DEPARTMENT OF COMMERCE

Organises Value Added Course on

"Basic E-Commerce Site Creation"

(for First Year B.Com (2021 -2024 Batch))

Date: 01.06.2022 to 21.06.2022 Venue: PKC Ext. 201

DEPARTMENT OF COMMERCE
Periyar Maniammai Institute of Science and Technology
(Deemed to be University)
Periyar Nagar, Vallam, Thanjavur, 613403,
Tamilnadu, India.

CONVENER
Dr.N.Jayanthi, Asso. Prof. & Head
COORDINATOR
Ms.K.Vinothinidevi, Asst. Prof.
Mr.R.Amarnath, Asst. Prof.

23. Making Household Chemicals

24. Special Education

Course Duration: 30 Hrs.

Course Content

I Learning Disability

1.1. Understanding and Identifying Students with Learning Difficulties
1.2. Dyslexia
1.3. Dyscalculia
1.4. Dysgraphia
1.5. Dyspraxia

II ADHD

2.1. Understanding Students with Attention-Deficit Hyperactivity Disorder (ADHD)
2.2. Understand the Common Characteristics of High-functioning autism (HFA)
2.3. Discover How the Students Think
2.4. Nurture Students' Social Skills
2.5. Encourage Language Reciprocity

III Special Education Supports

3.1. Making sense of the Individualized Education Programmes
3.2. Learning the Right Teaching Strategies
3.3. Helping Students with Word Identification Problems
3.4. Helping Students with Reading Comprehension Problems
3.5. Government Welfare Schemes

Registration Form:

Name of the student :_____

Registration Number : _____

Gender ☐ Male ☐ Female

Year/Branch/Section:_____

Academic year & Semester:_____

Amount Paid _____ Bill Number _____ Date _____

e-mail_____ Mobile Number: _____

Student Signature Course Coordinator HoD 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:

Special education programs are designed for those students who are mentally, physically, socially and emotionally delayed. The "delay "aspect broadly categorized as a developmental delay, signify an aspect of the child's overall development (physical, cognitive, scholastic skills) which place them behind their peers. Due to these special requirements, students' needs cannot be met within the traditional classroom environment. Special education programs and services adapt content, teaching methodology and delivery instruction to meet the appropriate needs of each child. These services are of no cost to the family and are available to children until they reach 21 years of age. The course emphasizes the inclusive practices and the ways to effectively handle learners with disabilities in general education classrooms. The program will inculcate trainees with the various approaches to teach Special Education Needs (SEN) children and make a significant contribution as an educator.

PERIYAR MANIAMMAI

Value Added Course
On
Special Education

Odd Semester 2021-2022

By

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

25. Peace Education

Course Duration: 30 Hrs.

Course Content

I Foundational and Philosophical Base

II Institution of Peace

III Role of Community

Registration Form:

Name of the student :_____

Registration Number : _____

Gender ☐ Male ☐ Female

Year/Branch/Section:

Academic year & Semester:_____

Amount Paid _____ Bill Number _____ Date: _____

e-mail Mobile Number:

Student Signature Course Coordinator HoD 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:

Special education programs are designed for those students who are mentally, physically, socially and emotionally delayed. The "delay "aspect broadly categorized as a developmental delay, signify an aspect of the child's overall development (physical, cognitive, scholastic skills) which place them behind their peers. Due to these special requirements, students' needs cannot be met within the traditional classroom environment. Special education programs and services adapt content, teaching methodology and delivery instruction to meet the appropriate needs of each child. These services are of no cost to the family and are available to children until they reach 21 years of age. The course emphasizes the inclusive practices and the ways to effectively handle learners with disabilities in general education classrooms. The program will inculcate trainees with the various approaches to teach Special Education Needs (SEN) children and make a significant contribution as an educator.

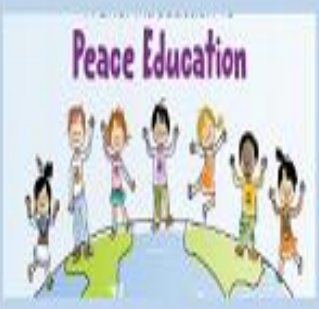
PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

Value Added Course

On

Peace Education

Odd Semester 2021-2022



By

Department of Education

Periyar Maniammai Institute of Science & Technology

(Deemed to be University)

Vallam, Thanjavur.

26. Inclusive Education

Course Duration: 30 Hrs.

Course Content

I Learning Disability

1.1. Understanding and Identifying Students with Learning Difficulties
1.2. Dyslexia
1.3. Dyscalculia
1.4. Dysgraphia
1.5. Dyspraxia

II ADHD

2.1. Understanding Students with Attention-Deficit Hyperactivity Disorder (ADHD)
2.2. Understand the Common Characteristics of High-functioning autism (HFA)
2.3. Discover How the Students Think
2.4. Nurture Students' Social Skills
2.5. Encourage Language Reciprocity

III Special Education Supports

3.1. Making sense of the Individualized Education Programmes
3.2. Learning the Right Teaching Strategies
3.3. Helping Students with Word Identification Problems
3.4. Helping Students with Reading Comprehension Problems
3.5. Government Welfare Schemes

Registration Form:

Name of the student : _____

Registration Number : _____

Gender ☐ Male ☐ Female

Year/Branch/Section: _____

Academic year & Semester: _____

Amount Paid _____ Bill Number _____ Date _____

e-mail _____ Mobile Number: _____

Student Signature Course Coordinator HoD 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:

Special education programs are designed for those students who are mentally, physically, socially and emotionally delayed. The "delay "aspect broadly categorized as a developmental delay, signify an aspect of the child's overall development (physical, cognitive, scholastic skills) which place them behind their peers. Due to these special requirements, students' needs cannot be met within the traditional classroom environment. Special education programs and services adapt content, teaching methodology and delivery instruction to meet the appropriate needs of each child. These services are of no cost to the family and are available to children until they reach 21 years of age. The course emphasizes the inclusive practices and the ways to effectively handle learners with disabilities in general education classrooms. The program will inculcate trainees with the various approaches to teach Special Education Needs (SEN) children and make a significant contribution as an educator.

PERIYAR MANIAMMAI

Value Added Course On Inclusive Education

Even Semester 2021-2022

By

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

27. Classroom Management

Course Duration: 30 Hrs.

Course Content

I Introduction
II Classroom management
III Flipped Classroom
IV Motivation
V Classroom diversity

Registration Form:

Name of the student :_____

Registration Number : _____

Gender ☐ Male ☐ Female

Year/Branch/Section:_____

Academic year & Semester:_____

Amount Paid _____ Bill Number _____ Date: _____

e-mail _____ Mobile Number: _____

Student Signature Course Coordinator HoD/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 has been created for student teachers who want to learn more about managing an effective and up-to-date classroom that encourages participation and engaged learning using the latest techniques and classroom tools.
Teachers will learn more about managing a classroom through reflection, teacher observation, and case scenarios, which encourage discussion and resolution of the most common classroom problems. Through interactive and engaging activities participants will learn how to boost motivation, establish classroom rules, provide clear instructions, monitor, develop rapport, incorporate pair and group work, and gain tips for encouraging students to reflect on their own classroom behaviour.

Learning outcomes

The course will help the participants to:
Manage a classroom effectively by establishing rules with logical consequences; Deal with difficult behaviors by working on collaborative solutions; Give clear instructions, organize pair and group work, and develop positive relationships; Motivate learners and get them to reflect on their behavior; Organize and plan for a Flipped Classroom experience; Assess students and provide feedback using portfolios, rubrics, and other forms.

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

Value Added Course
On
Classroom Management

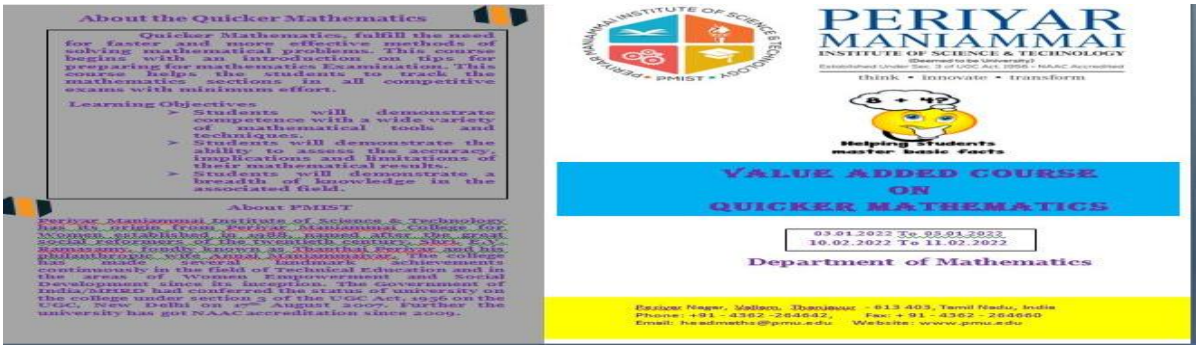
Even Semester 2021-2022

Classroom Management

By

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

28.QUICKER MATHEMATICS



About the Quicker Mathematics

Quicker Mathematics, fulfill the need for faster and more effective methods of solving mathematical problems. This course begins with an introduction on tips for preparing for mathematics Examination. This course helps the students to track the mathematics sections in all competitive exams with minimum effort.

Learning Objectives

- Students will demonstrate competence with a wide variety of mathematical tools and techniques.
- Students will demonstrate the ability to assess the accuracy, implications and limitations of their mathematical results.
- Students will demonstrate a breadth of knowledge in the associated field.

About PMIST

Periyar Maniammai Institute of Science & Technology has its origin from Periyar Maniammai College for Women established in 1988, named after the great social reformers of the twentieth century, Thiru E.V. Ramasamy, fondly known as Thanthai Periyar and his philanthropic wife Anjugam Maniammaiyar, the college has made several landmark achievements continuously in the field of Technical Education and in the areas of Women Empowerment and Social Development since its inception. The Government of India/DHRD had conferred the status of university on the college under section 3 of the UGC Act, 1956 on the UGC, New Delhi on 27th August 2007. Further the university has got NAAC accreditation since 2009.

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University)

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Helping Students master basic facts

VALUE ADDED COURSE ON QUICKER MATHEMATICS

03.01.2022 To 05.01.2022
10.02.2022 To 11.02.2022

Department of Mathematics

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 - 264642, Fax: + 91 - 4362 - 264660
Email: headmaths@pmu.edu Website: www.pmu.edu

Application Form

Value Added Course on Quicker Mathematics

Name:
Sex:
Academic Year/Semester:
Department:
Organization:
Mailing Address:
Mobile Number:
E-Mail Id:
Date:
Amount: Rs.
Bill Number:
Place:
Date:
Signature of the Participant:
Course Co-Ordinator:
HOD/Maths:

About MATHS Department

The Mathematics department of PMIST as already a part of the erstwhile college grew in fill strength with 13 well-qualified teaching staff at present. Not only Engineering programmes, but also B.Sc., M.Sc., M.Phil and Ph.D programmes in Mathematics were started. This Mathematics department specialized in the topics such as Algebra, Graph Theory, Fuzzy set and Fuzzy logic, Matrix, Inventory Management, Number Theory and Stochastic Processes.

Courses offered
- B.SC
- M.SC
- Ph.D - (Full Time & Part Time)

29. ART OF SELLING

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited
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Department of Management Studies
Offers
Value Added Course on

"ART OF SELLING "

For the Academic year 2021-2022

Duration of the Course
30 Hours during Even Semester of 2021-22 academic year

30. DIGITAL BANKING

31. Six Sigma

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

PERIYAR MANIAMMAI
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited
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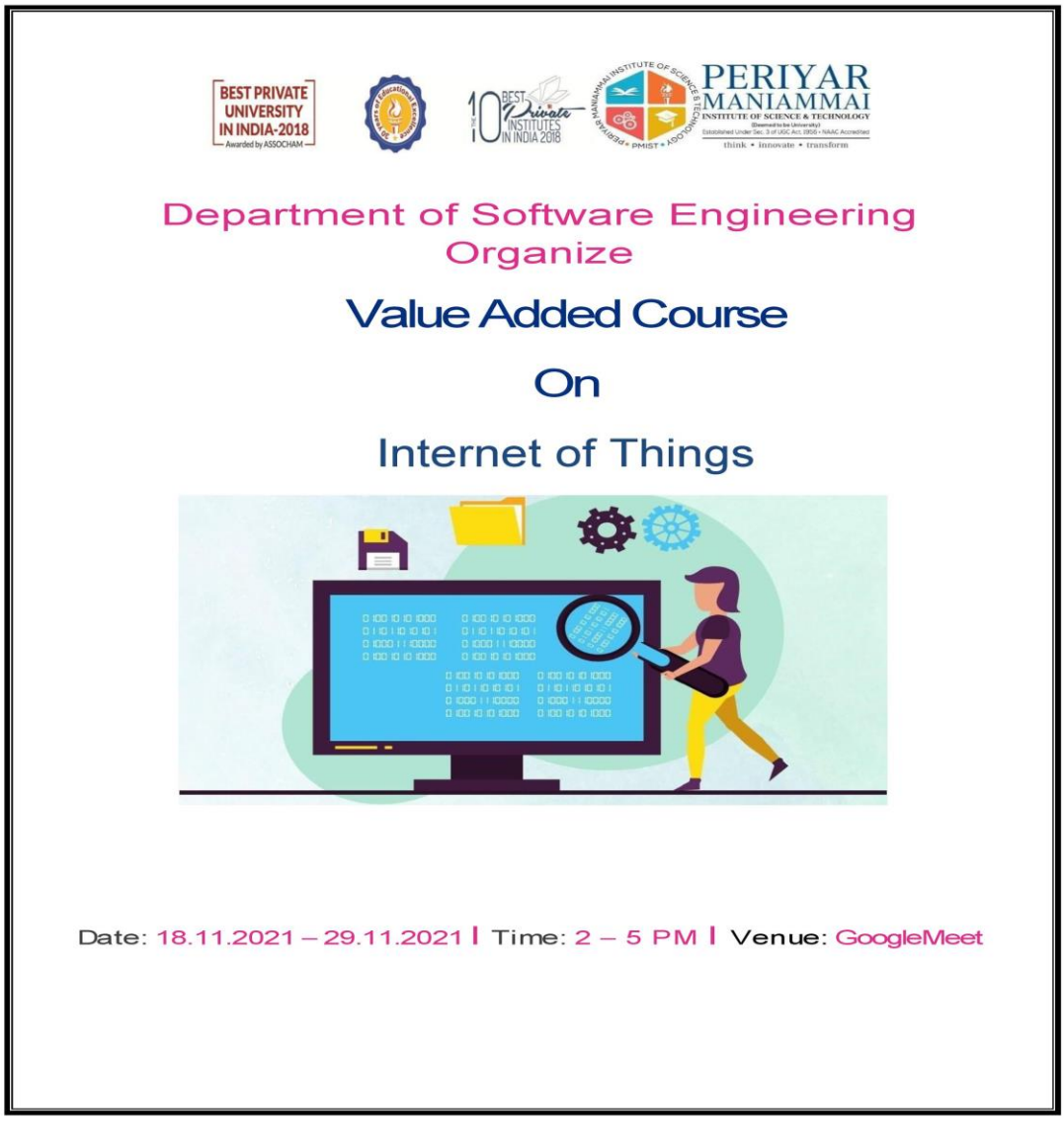
DEPARTMENT OF MANAGEMENT STUDIES
OFFERS A
VALUE ADDED COURSE ON

SIX SIGMA

For the Academic Year 2021-2022

Value Added Course Certification will be Provides for Succesfull completion of Course

32.Internet of Things



33. DEEP LEARNING

BEST PRIVATE UNIVERSITY IN INDIA-2018 Awarded by ASSOCHAM

10 BEST Private INSTITUTES IN INDIA 2018

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University)

Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited

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Department of Software Engineering

Organize

Value Added Course

On

Deep Learning

Date: 18.11.2021 – 29.11.2021 | Time: 2 – 5 PM | Venue: GoogleMeet

34.3Ds MAX

BEST PRIVATE UNIVERSITY IN INDIA-2018
Awarded by ASSOCHAM
PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
think • innovate • transform
Department of Software Engineering
Organize
Value Added Course
On
3Ds MAX
Date: 18.11.2021 – 29.11.2021 | Time: 2 – 5 PM | Venue: GoogleMeet

35. Game Design

BEST PRIVATE UNIVERSITY IN INDIA-2018
Awarded by ASSOCHAM

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
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Department of Software Engineering
Organize

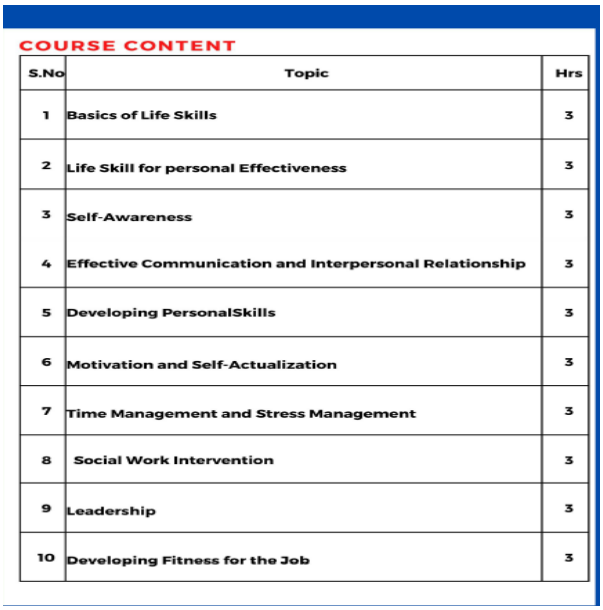
Value Added Course

On

Game Design

Date: 18.11.2021 – 29.11.2021 | Time: 2 – 5 PM | Venue: GoogleMeet

36. Life coping skills



COURSE CONTENT

S.No	Topic	Hrs
1	Basics of Life Skills	3
2	Life Skill for personal Effectiveness	3
3	Self-Awareness	3
4	Effective Communication and Interpersonal Relationship	3
5	Developing PersonalSkills	3
6	Motivation and Self-Actualization	3
7	Time Management and Stress Management	3
8	Social Work Intervention	3
9	Leadership	3
10	Developing Fitness for the Job	3

37. Child welfare and Development

COURSE CONTENT

S.No	Topic	Hrs
1	Significant facts about development periods	3
2	Developmental tasks during stages of development	3
3	Role of social institutions and organizations	3
4	Disabilities of child	3
5	Child prostitution in India.	3
6	Problems of child labour	3
7	legal provisions relating to child labour	3
8	social work intervention	3
9	Rights of the child	3
10	National policy for children, major policy measures.	3

COURSE REGISTRATION FORM

Name of the Student :
Register Number of the Student :
Programme of the Study & Year :
Name of the Department :
Name of the Institute :
Academic Year :
Semester :
Registration Fee : Rs.500
Signature of the Student :

COURSE COORDINATOR

Dr.S.Gnanaraj, District Coordinator,
City Coordinator,
CHILDLINE, Nodal Organization
Department of Social Work, PMIST
Mobile Number: 9159510279

Signature of the Coordinator
Dr.S.Gnanaraj

Signature of Head of Department
Dr.A.Anand Jerard Sebastine

Organised by
Department of Social Work
Periyar Maniammai Institute of Science & Technology, Periyar Nagar, Vallam, Thanjavur – 613 403
www.pmu.edu

Z

38. Indian Constitution and Human Rights

39. Maintenance of Minor Equipments

About the course

MICROWAVE OVENS AND WASHING MACHINES

Microwaves - Properties and generation - Microwave oven block diagram - LCD timer with alarm - Controllers. Washing machines - Washing machine hardware and software - Types of washing machines - Features of washing machines.

AIR CONDITIONERS AND REFRIGERATORS

Air Conditioning - Components of air conditioning systems - All water air conditioning systems - All air conditioning systems - Unitary and central air conditioning systems - Split air conditioners - water cooler - Refrigerator.

DIGITAL ACCESS DEVICES

Digital computer - Internet access - Online ticket reservation - Functions and networks - Barcode Scanner and decoder - Electronic Fund Transfer - Automated Teller Machines (ATMs) - Set-Top boxes - Digital cable TV - Video on demand.

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PERIYAR MANIAMMAI UNIVERSITY

(Under Sec. 3 of UGC Act, 1956) • NAAC Accredited

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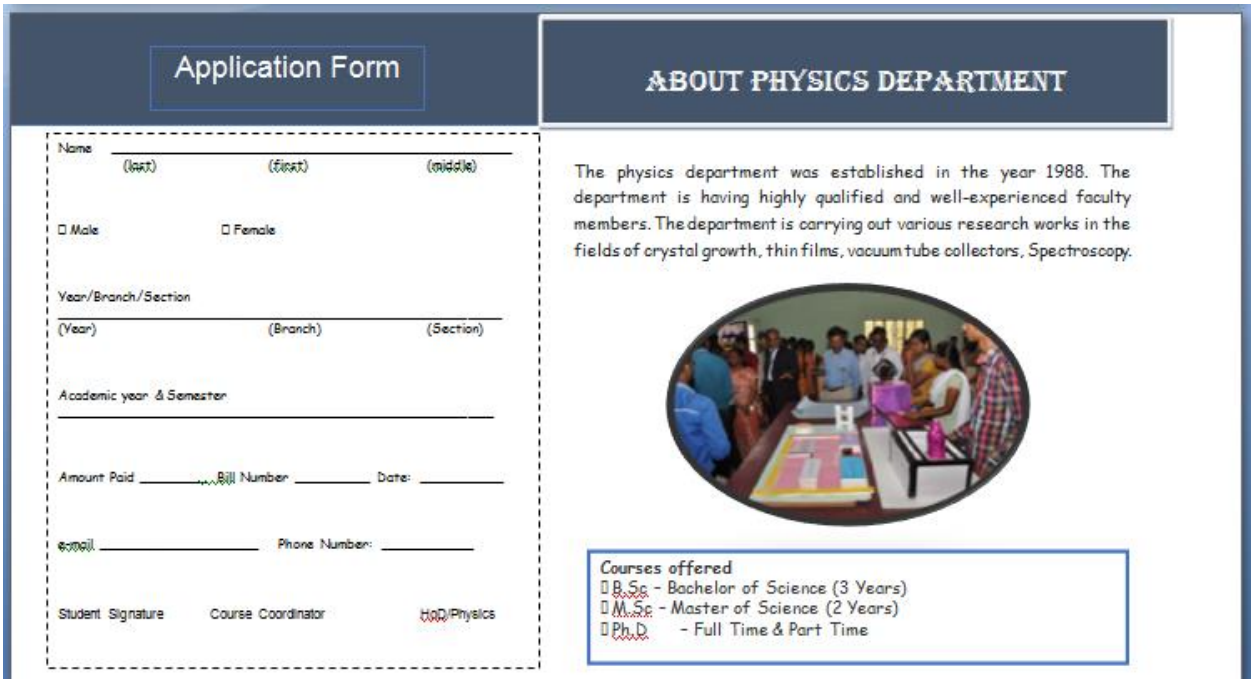
Value Added Course
On
Maintenance of Minor Equipments

2021-2022 ODD Semester

DEPARTMENT OF PHYSICS

RESOURCE PERSON : DR. K. KESAVAN

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 -264642, Fax: + 91 - 4362 - 264660
Email: headece@pmu.edu Website: www.pmu.edu



Application Form

Name _____
(last) (first) (middle)

☐ Male ☐ Female

Year/Branch/Section
_____
(Year) (Branch) (Section)

Academic year & Semester
_____

Amount Paid _____ Bill Number _____ Date: _____

email _____ Phone Number: _____

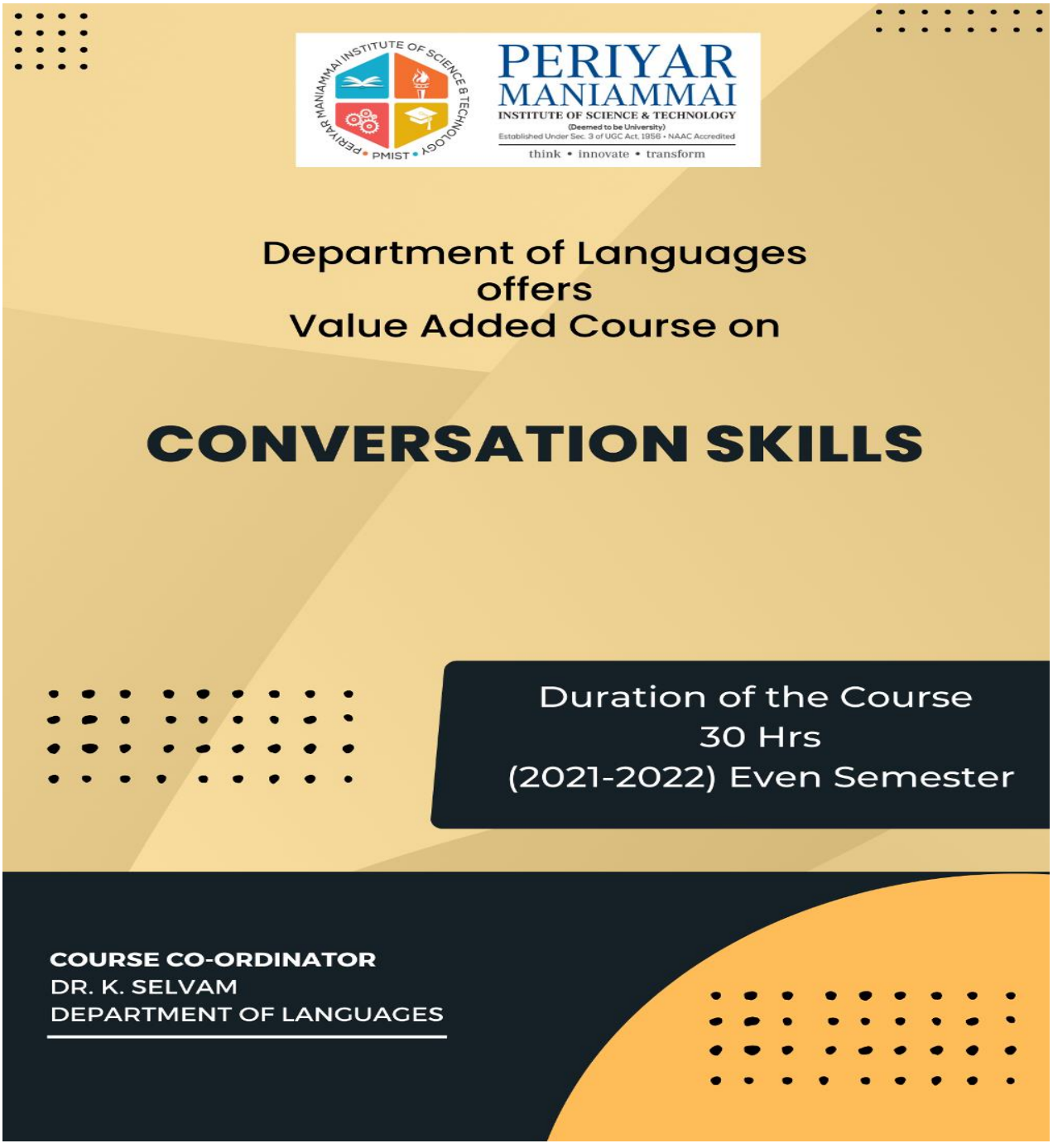
Student Signature Course Coordinator HoD/Physics

ABOUT PHYSICS DEPARTMENT

The physics 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 crystal growth, thin films, vacuum tube collectors, Spectroscopy.

Courses offered
☐ B.Sc - Bachelor of Science (3 Years)
☐ M.Sc - Master of Science (2 Years)
☐ Ph.D - Full Time & Part Time

40. Conversation Skills



41. Industrial Chemistry

About the course

Certificate in Industrial chemistry

Industrial effluent from the industries and water treatment.
Estimation of hexavalent chromium present in the given water sampleusing 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).

Cements: Classification of cement, ingredients and their role, Manufacture of cement and the setting process, quick setting cements.
Analysis of Cement.

Oils and Fats: Classification of oils, fat splitting, distillation of completely miscible and nonmiscible oils, hydrogenation of oils, rancidity, saponification value, iodine value.Analysis of oils and fats (iodine value, saponification value, acid value).

Food additives: A general study of food flavours, colours and preservatives, artificial sweeteners and food adulterants.Testing of turmeric powder, milk and mustard oil for adulterants.

Fertilizers: Different types of fertilizers. Manufacture and analysis of fertilizers.Determination of free acidity in ammonium sulphate fertilizer.

Cosmetics : A general study including preparation and uses of the following: Hair dye, hair spray, Shampoo, Sun-tan lotions, face powder, lipsticks, talcum powder, nail enamel, creams (cold, vanishing and shaving creams), Preparation of face cream, nail polish and nail polish remover.

Drugs: Synthesis of the following drugs: analgesics agents, antipyretic agents and antacid.(Aspirin, paracetamol, Ibuprofen); Preparation of Aspirin and its analysis. (or) Preparation of Magnesium bisilicate (Antacid).

Dyes: General introduction and classification with special reference to textile and edible dyes and fabric brighteners. Industrial preparation and uses of methyl orange, malachite green.Preparation of Malachite Green. (or) Preparation of Methyl Orange.

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Value Added Course
On
Certificate in Industrial Chemistry

2021-2022 (Odd Semester)

Resource Person
Dr. M. Karthikeyan
Assistant Professor,
Department of Chemistry,
PMIST.

DEPARTMENT OF CHEMISTRY

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 -264642, Fax: + 91 - 4362 - 264660
Email: headchem@pmu.edu Website: www.pmu.edu

Application Form

Name _____
(last) (first) (middle)

□ Male □ Female

Year/Branch/Section _____
(Year) (Branch) (Section)

Academic year & Semester _____

Amount Paid _____Bill Number _____Date: _____

e-mail _____Phone Number: _____

Student Signature Course Coordinator HoD/Chemistry

ABOUT 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.

Courses offered
- B.Sc - Chemistry (3 Years)
- M.Sc - Chemistry (2 Years)
- M.Phil- Chemistry(Full Time & Part Time)
- Ph.D - Chemistry (Full Time & Part Time)

42. Spectral Interpretations

About the course

Certificate in Spectral Interpretation

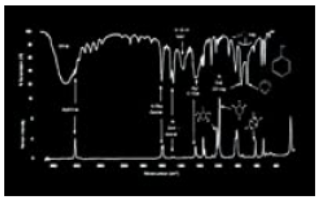
- Introduction to electromagnetic radiation - Types of electromagnetic radiation - Introduction of electronic excitation, instrumentation, presentation of spectrum, chromism, chromophore, fluorophore etc, studies of conjugated and extended conjugated systems, aromatic systems etc, solvent effects, Woodward rules- Interpretation of UV-Visible spectra of organic molecules.
- Major modes of vibration- instrumentation (FT spectrometer), correlation charts and tables-identification of functional groups and hydrogen bonding-Elemental Analysis & Mass Spectrometry-Qualitative and quantitative elemental analysis-molecular mass determination-determination of molecular formula of an unknown organic substrate-fragmentation and rearrangements.
- Basic concepts and principles- nuclear spin states-nuclear magnetic moments- mechanism of resonance-chemical shifts, diamagnetic shielding- magnetic anisotropy- spin-spin splitting- coupling constant-first order and second order spectra- Interpretation of spectra of organic molecules- introduction to 2D-NMR: COSY, NOESY, DEPT and basic introduction to solid state NMR.
- Basic principles and applications of ESR spectroscopy to free radicals molecules of transition metal complexes- basic principles of Mossbauer spectroscopy- applications on the basis of isomer shifts- electric quadrupole interactions.
- Structure elucidation by joint application of UV, IR, NMR and mass spectrometry for simple organic compounds.

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

Value Added Course

On

Certificate in Spectral Interpretation



2021-2022 (Odd Semester)

Resource Person

Dr. S. Rajkumar

Assistant Professor,
Department of Chemistry,
PMIST.

DEPARTMENT OF CHEMISTRY

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 -264642, Fax: + 91 - 4362 - 264660
Email: headchem@pmu.edu Website: www.pmu.edu

Application Form

Name _____
(last) (first) (middle)

☐ Male ☐ Female

Year/Branch/Section
_____
(Year) (Branch) (Section)

Academic year & Semester
_____

Amount Paid _____Bill Number _____Date: _____

e-mail _____Phone Number: _____

Student Signature Course Coordinator HoD/Chemistry

ABOUT 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.

Courses offered

- B.Sc - Chemistry (3 Years)
- M.Sc - Chemistry (2 Years)
- Ph.D - Chemistry (Full Time & Part Time)