Under the Management of Gurajada Educational Society

Munasabpeta, Srikakulam.

Report Certificate / Add on Course 2020 - 2021

Name of the Certificate / Add on Course	EMBEDED SYSTEM AND I.O.T
Add on Course	
Name of Resource	Sri., RANADHEEP Garu
	Lecturer,
	Srikakulam.
MONTH & YEAR	JULY - 2020
Class	B.Sc., MECs
Contact Hours/Schedule	24 Hours
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Aim/Objective: The objective of this program is to To introduce students a set of advanced topics in embedded IoT and lead them to understand research in network.

Learning Outcomes:

Lower Order	35%	 Perform effectively as entry level Embedded Systems professionals. of embedded systems.
Higher Order	65%	Develop and maintain applications written using Embedded C.

Course Content/Curriculum

- Embedded Software.
- Software Verification.
- Software Testing.
- Embedded Systems.
- Natural Languages.
- Software Engineering.
- Middleware

Assessment Procedure

MCQ Base Examination: 75%

Viva Voice: 25%

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PRINCIPAL
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Gayatri Cultege of Science & Management
Management Statement S32 481

GAYATRI COLLEGE OF SCIENCE&MANAGEMENT(PG)

(Affiliated to Dr.B.R.Ambedkar University) Accredited by NAAC & ISO

Under the Management of Gurajada Educational Society

Report of Certificate / Add on Course 2020 - 2021

Name of the Certificate / Add on Course	SOLAR ENERGY SYSTEM —	-
Name of Resource Person	Sri. N. Hareram Lecturer,	
	Department of Physics Gayatri College of Science & Management Munasabpeta, Srikakulam.	
Duration of Activity	27/07/2020 To 11/08/2020	
Class	III B.Sc (MPC & MPCs)	
Contact Hours/Schedule	20 Hours	

Aim/Objective: The aims of the course were to introduce Solar Energy Systems. to study different types of solar energy systems and their applications. to evaluate the payback period of different types of solar energy systems.

Learning Outcomes:

Lower Order	30%	Understand the role of Solar Energy Systems Understand the types of Solar Energy Systems
Higher Order	70%	 Understand the working and calculate efficiency of different types of solar energy systems
	1.	 To Study the payback period of different types of solar energy systems

Course Content/Curriculum

- Introduction to Solar Energy Systems
- Solar Energy Systems types and applications
- Solar Energy Systems in various industries
- Active and Passive Solar energy systems and their characteristics
- To evaluate the payback period of different types of solar energy systems.

Assessment Procedure

- MCQ Base Examination: 75%
- Viva Volce: 25%

Department of Physics

PRINCIPAL

Gayatri College of Science & Management Munasahpeta-Srikakulam-532 401

GAYATRI COLLEGE OF SCIENCE AND MANAGEMENT Affiliated to Dr. B. R. Ambedkar University Under the Management of Gurajada Educational Society Accredited with NAAC & ISO Munasabpeta, Srikakulam

Date: 05-12-2020

PROGRAM REPORT

Name of the Program: Certificate course on Matrix Algebra

Date: 05-12-2020

Name of the Resource Person: Smt P. Revathi

Phone Number: 9490386399

Email ID: revathi.kelli@gmail.com

Program Objectives:

- Understanding matrix notation.
- 2. Being able to identify the matrix type.
- 3. Knowing how to perform matrix multiplication and being able to assess it is feasible.
- 4. Knowing how to represent a system of linear equations in matrix form.
- 5. Knowing how to solve linear algebraic equations.

Topics Covered:

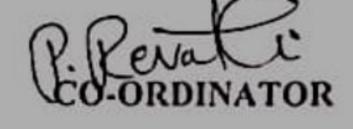
- 1. Definition, Notation and Order of a matrix.
- Types of matrices and operations on matrix addition and properties, matrix multiplications and properties.
- 3. Nilpotent, Idempotent and Involuntary Matrices.
- 4. Transpose of Matrices and Determinant and its properties.
- 5. Minors, Cofactors and Adjoint of Matrix.
- 6. Solution of linear equations using matrix method.

Outcomes:

- Perform common matrix operation such as addition, scalar multiplication and transposition.
- 2. Interpret existence and uniqueness of solutions geometrically.
- 3. Perform row operations on a matrix.
- 4. Solve system of linear equations using Guass Jordan method.
- 5. Compute inverse of a matrix.

Number of participants: 50

Name of the Co-ordinator: Smt P. Revathi





GAYATRI COLLEGE OF SCIENCE & MANAGEMENT

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> Munasabpeta, Date: 24-12-2020

PROGRAM REPORT

Name of the event: A two week certificate course program on Tally'.

Dates: 09-12-2020 to 23-12-2020. Resource persons: Sri. N. Madhu

> Lecturer in Department of Commerce and Management Studies, Gayatri College of science and management, Munusabpeta.

Email id: mdh.nadiminti@gmail.com

Contact number: 9989105234

Name of the coordinator: Sri. N. Lakshmi srikanth

Lecturer in Department of Commerce and Management Studies, Gayatri College of Science and Management, Munusabpeta.

Number students attended:

Venue: Computer lab

Objectives of the program:

- To impart knowledge regarding concepts of Financial Accounting.
- Create the knowledge about the Tally and its Importance.
- > To make students capable to create company, enter accounting voucher entries including advance voucher entries, reconcile bank statement, do accrual adjustments, and also print financial statements, etc. in Tally.

Topics covered:

- Introduction of the Tally and Tally screen.
- Creation of the company.
- Account masters.
- Creation/alteration of multiple ledgers.
- Creation of account vouchers.
- Creation of Inventory masters.
- Purchase & sales procedures.
- Account reports.

Outcomes of the program:

> Student by their own can create company, enter accounting voucher entries including advance voucher entries, reconcile bank statements, do accrual adjustments, and also print financial statements, etc.

Students will possess required skill and can also be employed as Tally data entry operator.

he DCM24/12/2020

Report Certificate / Add on Course

I mame of		2020 - 2021
Add	the Certificate /	ENVIRONMENTAL EDUCATION
Name of Resource Person Duration of Activity		Smt.,B. GOWRI SHANKAR HoD, Telugu Gayatri College of Science & Management Munasabpeta, Srikakulam. 02.02.2021 To 15.02.2021
Contact Hours/Schedule		24 Hours
Learning C	p.	cial groups and individuals acquire an awareness of sensitivity to the total roblems
Lower Order	60%	Acquire the knowledge for basic understanding of environment and its associated problems
ligher	40%	Acquire the skills for identifying and solving environmental problems

- h. Anu_ COORDINATOR

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Report Certificate / Add on Course

		2020 - 2021
Name of the Certificate / Add on Course		FOOD AND ADULTARATION
Name of Resource		Sri., S. MAHESH BABU Lecturer, Chemistry Gayatri College of Science & Management Munasabpeta, Srikakulam.
Duration of Activity		01.03.2021 To 15.03.2021
Class		I B.Sc., MPC, MPCs, MCCs, MECs
Contact Hours/Schedule		24 Hours
Aim/Objective different food s Learning Oute	tuffs.	ive of this program is to study some of the common food adulterants in
Lower	35%	Get basic knowledge on various foods and about their adulteration
Higher	65% •	Comprehend certain skills of detecting adulteration of common foods
Course Content	/Curriculur	11

- Introduction to food adulteration
- Some common food adulterants
- Identifying methods
- Analysis of various food materials
- Advantages
- Applications
- Conclusions

Assessment Procedure

MCQ Base Examination: 75%

Viva Voice: 25%

Gayatri College of the & Management Munasabpeta-Shkakuram-532 401



Report Certificate / Add on Course 2020 - 2021

Name of the Certificate Add on Course	/ RECENT TRENDS IN BIO TECHNOLOGY	
Name of Resource Person	Sri., V. VIJAYA SARADHI Lecturer in Bio Technology Gayatri College of Science & Management Munasabpeta, Srikakulam.	
Duration of Activity	09.03.2021 To 22.03.2021	
Class	I, II, III Biology Students	
Contact Hours/Schedu	24 Hours	
	e awareness regarding recent trends in bio technology	
Aim/Objective: To create Learning Outcomes:	To make the stake holder a competent person	

MCQ Base Examination: 75%

· Viva Voice: 25%

COORDINATOR

Gayatri College of Science & Management Munasabpeta-Srikakulam-532 401



Report Certificate / Add on Course 2020-2021

2020-2021
RECENT ADVANCES IN MATERIAL CHEMISTRY
Smt., P. SARDHA RANI Lecturer in Chemistry Gayatri College of Science & Management Munasabpeta, Srikakulam.
05.04.2021 To 19.04.2021
I,II M.Sc (O.C & A.C), II B.Sc (MPC)
24 Hours tive of this program is to create awareness on magnetic and electrical and

Aim/Objective: The objective of this pro super conductivity materials

Learning Outcomes:

45 %	Update knowledge on catalyst and battery materials
55 %	Understand the high temperature synthesis
	%

Assessment Procedure

MCQ Base Examination: 75%

Viva Voice: 25%

COURDINATOR

Head of the Depar

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Munasabpeta, Stikakulam