

**GAYATRI COLLEGE OF SCIENCE&MANAGEMENT(PG)**

Affiliated to Dr.B.R.Ambedkar University)

Accredited by NAAC & ISO


Under the Management of Gurajada Educational Society

Munasabpetta, Srikakulam.

Report Certificate / Add on Course**2018 - 2019**

Name of the Certificate / Add on Course	Diploma in Chemical Laboratory	
Name of Resource	Sri., P. Raviprakash Lecturer in Chemistry Gayatri College of Science & Management Munasabpetta, Srikakulam	
Duration of Activity	01.07.2018 To 16.07.2018	
Class	II M.Sc., Organic Chemistry	
Contact Hours/Schedule	30 Hours	
Aim/Objective: The Objective of this Study were Helpful to Operate Various Instruments		
Learning Outcomes:		
Lower Order	60%	<ul style="list-style-type: none"> Knowing PH Determination of Sample Test the Conductance of Sample
Higher Order	40%	<ul style="list-style-type: none"> Understand the Calibration of Instruments Wet Laboratory Analysis Techniques
Course Content/Curriculum		
<ul style="list-style-type: none"> Introduction to Wet Lab Apparatus in Wet Lab Instruments in Wet Lab Methods Calibration of Instruments Standard Operating Methods of Instruments Standard Testing Methods of Sample Conclusions 		
Assessment Procedure		
<ul style="list-style-type: none"> MCQ Base Examination: 75% Viva Voice: 25% 		


COORDINATOR


H.O.D., CHEMISTRY
Head of the Department of Chemistry
Gayatri College of Science & Management
Munasabpetta, Srikakulam



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**Report Certificate / Add on Course
2018 – 2019**

Name of the Certificate / Add on Course	Analytical Quality Control of Chemical Compounds	
Name of Resource	Smt., P. Sardarani Lecturer in Chemistry Gayatri College of Science & Management Munasabpetta, Srikakulam	
Duration of Activity	01.07.2018 To 16.07.2018	
Class	II M.Sc., Analytical Chemistry	
Contact Hours/Schedule	30 Hours	
Aim/Objective: The Objective of this Study were Determine the Percentage of Components Presents in the Compounds.		
Learning Outcomes:		
Lower Order	55%	<ul style="list-style-type: none">• Understand the Quality Control and Quality Assurance• Understand about the Qualitative & Quantitative Analysis
Higher Order	45%	<ul style="list-style-type: none">• Different Methods in Analytical Quality Control• Methods of Determination of % of Components
Course Content/Curriculum <ul style="list-style-type: none">• Introduction to Quality Control• Qualitative Analysis• Quantitative Analysis• Methods of Determination of Quality of Sample• Methods of Determination of Quantity of Sample• Applications• Conclusions		
Assessment Procedure <ul style="list-style-type: none">▪ MCQ Base Examination: 75%▪ Viva Voice: 25%		

COORDINATOR

H.O.D. CHEMISTRY
Head of the Department of Chemistry
Gayatri College of Science & Management
Munasabpetta, Srikakulam



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Munasabpeta,

Date: 17-07-2018

PROGRAM REPORT

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

Dates: 02-07-2018 to 16-07-2018.

Resource persons: Sri. P.S.R. Naidu

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

Email id: naidusrponnana@gmail.com

Contact number: 9441868588

Name of the coordinator: Sri. M.V. Ramesh,

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

Number students attended:

Venue: Computer lab

Objectives of the program:

- Understand the concept of online business and fundamental requirements for initiating an online business.
- Describe the process of initiating and funding a startup e-business.
- Describe the issues and methods of transforming an organization into an e-business.
- Describe types of online business, advantages and its limitations.
- Understand the factors affecting the success and growth of an online business.
- Define e-commerce and describe how it differs from e-business.
- Identify the e-commerce features and types.

Course content:

- Online business introduction and its role of business in one's life and community
- Functions, advantages and disadvantages of the online business.
- Types and various factors influencing an online business.
- Online business procedures and methods.
- Introduction of the e-commerce and its futures, methods and processes.

Outcomes of the program: You will be able to,

- Ability to stand online business and ability to work in e-commerce.
- Ability to identify key online business strategies, skills, ideas.
- Outline the ongoing business challenges of managing e-business and e-commerce.
- Know the worth of concepts and tools to set up an online new business.
- Evaluate the effusiveness of business and revenue models for online businesses.

Program Coordinator

HOD of the DEM



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Date: 16-07-2018

PROGRAM REPORT

Name of the Program: Certificate course on **Linear Transformations**

Date: 16-07-2018

Name of the Resource Person: Dr. K. Marthanda Krishna

Phone Number: 9441450146

Email ID: k.martand.k@gmail.com

Program Objectives:

1. Define a Linear Transformation between two vector spaces.
2. Verify that a mapping between two vector spaces is a Linear Transformation.
3. Use number of properties of Linear Transformations.
4. Define and identify the kernel and image of Linear Transformations.
5. Apply the composition of two Linear Transformations and its equivalents on their matrix representations.

Topics Covered:

1. Definition of Linear Transformations and its examples.
2. The matrix of Linear Transformations.
3. Properties of Linear Transformations.
4. One-to-one and onto Linear Transformations, Isomorphisms.
5. Kernel and Image of Linear Maps.
6. General Solution of linear system by using Linear Transformation.

Outcomes:

1. Investigate properties of vector spaces and subspaces using by Linear Transformations.
2. Represent Linear Transformations by Matrices.
3. Determine whether a Linear Transformation is Diagonalizable or not.
4. Express Linear Transformations between vector spaces.

Number of participants: 126

Name of the Co-ordinator : Sri K. Marthanda Krishna





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Munasabpeta,

Date: 17-07-2018

PROGRAM REPORT

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

Dates: 02-07-2018 to 16-07-2018.

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. K. Ravi kumar

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.

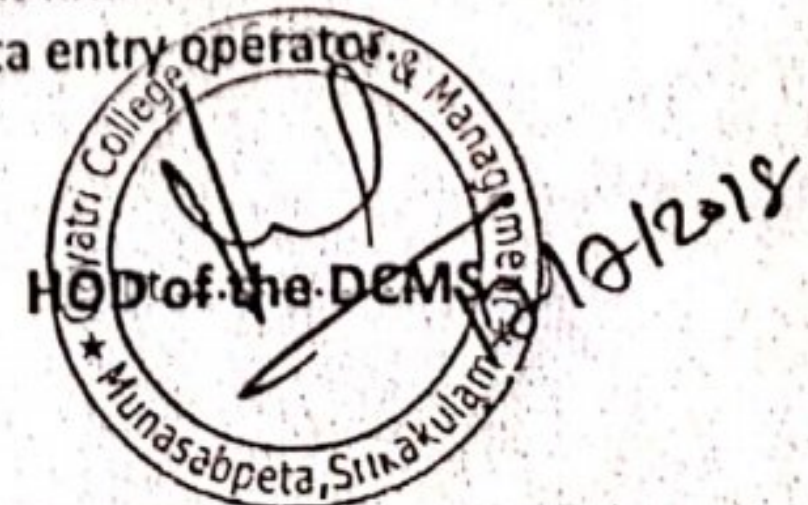
Topics covered:

- 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.

Program coordinator:



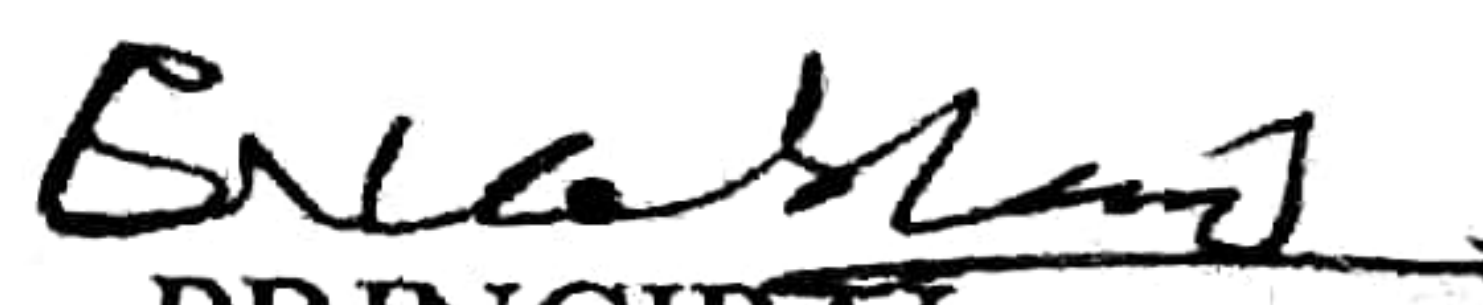


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**Report Certificate / Add on Course
2018 - 2019**

Name of the Certificate / Add on Course	EMBEDED SYSTEM DESIGNING	
Name of Resource	Sri., RANADHEEP Garu Lecturer, Srikakulam.	
MONTH & YEAR	JULY - 2018	
Class	B.Sc., MECs	
Contact Hours/Schedule	24 Hours	
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%	● Get basic knowledge on The purpose of embedded systems.
Higher Order	65%	● To develop comprehensive approach towards building small low cost embedded IoT system.
Course Content/Curriculum <ul style="list-style-type: none">● Understand schematic.● Creating new PCB.● Browsing footprints libraries.● Setting up the PCB layers.● Design rule checking.● Track width selection.● Component selection.		
Assessment Procedure <ul style="list-style-type: none">▪ MCQ Base Examination: 75%▪ Viva Voice: 25%		


COORDINATOR


PRINCIPAL
PRINCIPAL

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

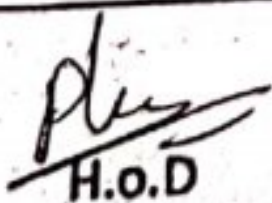
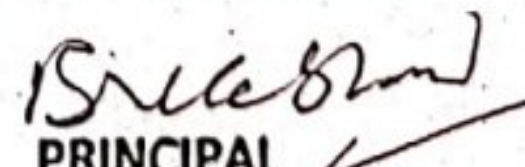
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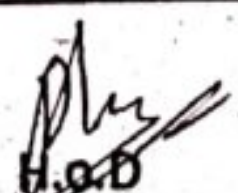
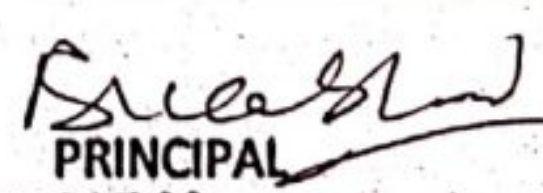
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Report of Certificate / Add on Course
2018 - 2019

Name of the Certificate / Add on Course	LASER TECHNOLOGY	
Name of Resource Person	Sri. P.V. Ramana Murty Lecturer, Department of Physics Gayatri College of Science & Management Munasabpetta, Srikakulam.	
Duration of Activity	04.07.2018 To 18.07.2018	
Class	III B.Sc (MPC & MPCs)	
Contact Hours/Schedule	20 Hours	
Aim/Objective: The aims of the course were to introduce LASER TECHNOLOGY. To obtain and study LASER Spectral models of aggregates and application of laser technology to minerology and morphology.		
Learning Outcomes:		
Lower Order	30%	<ul style="list-style-type: none">Understand the role of LASER TECHNOLOGY in spectral study.Understand the applications of LASER TECHNOLOGY in minerology and morphology
Higher Order	70%	<ul style="list-style-type: none">Understand the LASER Spectral models of aggregates.To Study LASER TECHNOLOGY Applications in the fields of minerology and morphology
Course Content/Curriculum <ul style="list-style-type: none">Introduction to LASER TECHNOLOGY.Principal, construction and working of LASER.LASER TECHNOLOGY Applications in fields of minerology and morphology.Methods of LASER Spectrography of aggregates.		
Assessment Procedure <ul style="list-style-type: none">MCQ Base Examination : 75%Viva Voice: 25%		
<div style="display: flex; justify-content: space-between;"><div style="text-align: center;"> H.O.D Department of Physics</div><div style="text-align: center;"> PRINCIPAL PRINCIPAL</div></div> <div style="text-align: right; margin-top: 10px;">Gayatri College of Science & Management Munasabpetta-Srikakulam-532 401</div>		

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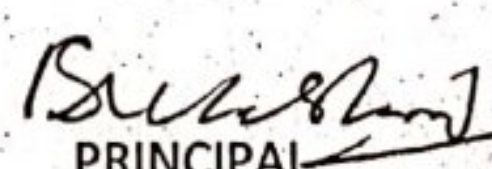
Report of Certificate / Add on Course
2018 - 2019

Name of the Certificate / Add on Course	MICRO ELECTRONICAL MECHANICAL SYSTEMS	
Name of Resource Person	Sri. CH. SATYANARAYANA Lecturer, Department of Physics Gayatri College of Science & Management Munasabpetta, Srikakulam.	
Duration of Activity	05.07.2018 To 19.07.2018	
Class	II M.Sc (Physics)	
Contact Hours/Schedule	20 Hours	
Aim/Objective: The aims of the course were to introduce ,MICRO ELECTRONICAL MECHANICAL SYSTEMS. To study MEMS models and applications.		
Learning Outcomes:		
Lower Order	30%	<ul style="list-style-type: none"> Understand the role of MEMS. Understand the applications of MEMS.
Higher Order	70%	<ul style="list-style-type: none"> Understand the MEMS models. To Study MEMS TECHNOLOGY Applications in different fields.
Course Content/Curriculum <ul style="list-style-type: none"> Introduction to MEMS TECHNOLOGY. Principal, construction and working of MEMS Models. MEMS TECHNOLOGY Applications in different fields. Methods of LASER Spectrography of aggregates. 		
Assessment Procedure <ul style="list-style-type: none"> MCQ Base Examination : 75% Viva Voice: 25% 		
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  H.O.D. Department of Physics </div> <div style="text-align: center;">  PRINCIPAL PRINCIPAL </div> </div>		

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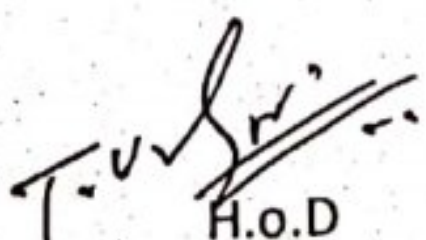
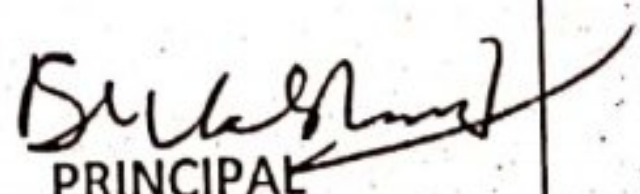
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Report of Certificate / Add on Course

Name of the Certificate / Add on Course		Urine Analysis	
Name of Resource Person		Sri. A.S.R Dhanwanthari	
Duration of Activity		1 hour	
Class		III CBBT	
Contact Hours/Schedule		14 hours	
Aim/Objective: • Urine Analysis in diagnosing diseases			
Learning Outcomes: Physiology of Urine System			
Lower Order	40%		
Higher Order	60%		
Course Content/Curriculum Overview of Anatomy of Kidney Structure of Nephrons Several methods to detect disease			
Assessment Procedure • Viva Voice: • 100%			
 H.O.D. Department of Biotechnology		 PRINCIPAL PRINCIPAL Gayatri College of Science & Management Munasabpetta-Srikakulam-532 401	

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Report of Certificate / Add on Course

Name of the Certificate / Add on Course		plant Taxonomy
Name of Resource Person		Sri. T. V. Chandramouli
Duration of Activity		1 hour for day
Class		Final CBZ
Contact Hours/Schedule		14 hrs.
Aim/Objective:		Naming and Identification of the plants Writing relationship between plants
Learning Outcomes:		Awareness of various plants and diversity
Lower Order		40%
Higher Order		60%
Course Content/Curriculum		
: Introduction Different types of plants Diversity Importance of classification		
Assessment Procedure		
• Viva Voice: 100% •		
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  T. V. Chandramouli H.O.D Department of Botany </div> <div style="text-align: center;">  PRINCIPAL PRINCIPAL Gayatri College of Science & Management Munasabpetta-Srikakulam-532401 </div> </div>		



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PROGRAM REPORT

Date: 19-09-2018

Name of the Event :	A Program on C++ Programming
Dates:	03-09-2018 to 19-09-2018
Resource Person :	Mrs Ch. Suneetha
Name of the Coordinator :	Mr. K.Bala Sundar
Number of students attended :	204
Venue :	Seminar Hall, Gayatri Degree college of science and Management.

Objective of program :

- Fundamentals of writing C++ Programs
- Learning basics concepts in C++
- Learning how work with OOPS
- Using pointers in Object programming
- Files and Functions in C++

Topics covered :

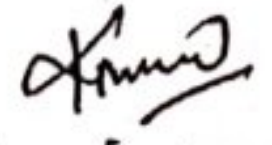
- Introduction to C++
- C vs C++
- Introduction to OOPs
- Inheritance in C++
- Pointers in C++
- Array and Strings in C++
- Files in C++


Outcomes of program :

At the end of the program students will able to explain about

- How to write program in C++
- How to implement inheritance in C++
- How to use files in C++


Coordinator


HOD of computer science
Head of the Department
Department of Computer Science
Gayatri College of Science & Management
Munasabpetta, Srikakulam-532001


Principal
PRINCIPAL
Gayatri College of Science & Management
Munasabpetta, Srikakulam-532 401