GAYATRI COLLEGE OF SCIENCE&MANAGEMENT (Affiliated to Dr.B.R.Ambedkar University) Accredited by NAAC & ISO Under the Management of Gurajada Educational Society Munasabpeta, Srikakulam-532401

Munasabpeta, Date: 08.07.2017

CIRCULAR

This is to inform you that Department of Physics has planned to conduct the Faculty Development program in QUANTUM STATISTICS for 5 days i.e., scheduled from 10.07.2017 to 14.0.07.2017. This is useful to enrich your knowledge in Physics. In this connection, all the Faculty are requested to attend the programme.

Resource Person

: Sri P. Eswara Rao

Lecturer in Physics

Abhyudaya Degree College, Srikakulam

Timings

: 1.00 P.M To 2.00 P.M

Venue

: Seminar Hall

Head of the Department of Physics

Principal

Gayatri College of Science & Management Munasabpeta-Sokakulam-S32 401



(Affiliated to Dr.B.R Ambedkar University)
Accredited by NAAC & ISO
Under the Management of Gurajada Educational Society
Munasabpeta, Srikakulam - 532401

Name of the Programme: FDP in Quantum Statistics

Date: 10-07-2017 TO 14-07-2017

Department: Physics

S.No	Name Of The Staff	Designation	College Name	10/7	1117	12/7	13/2	1412	Γ,
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Programme Coordinator

(Affiliated to Dr.B.R Ambedkar University)
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Under the management of Gurajada Eductional Society Munsabpeta, Srikakulam – 532401

Date: 19.07.2017

PROGRAMME REPORT

Name of the programme

: A One Week Faculty Development Programme on

"QUANTUM STATISTICS"

Dates

: 10.07.2017 to 14.07.2017

Details of Resource Person

Name

: Sri. P.ESWARARAO,

Designation : Lecturer

Organization: Abhyudaya degree College, Srikakulam

Objective of the Programme:

Max Plank is credited with the birth of quantum theory, which won him the Nobel Prize for Physics in 1918. Quantum theory is the theoretical basis of modern physics that explains the nature and behavior of matter and energy on the atomic and subatomic level. The nature and behavior of matter and energy at that level is sometimes referred to as quantum physics and quantum mechanics. Quantum statistics is concerned with the distribution of a number of identical elementary particles, atoms, ions, or molecules among possible quantum states. Satyendra Nath Bose founded quantum statistics in 1924 when he discovered a new way to derive Planck's radiation law. Bose's method was based on the argument that one photon of light is not distinguishable from another of the same color, which meant that a new way of counting particles was needed — Bose's statistics. The particles obeying this statistics are called bosons.

Topics covered:

- Quantum Physics
- · Quantum theories
- · Quantum Statistics

Outcome of the Programme:

Indistinguishability of particles and uncertainty in the simultaneous determination of position and momentum are basic premises of quantum statistics. Spectral distribution of blackbody radiation and temperature dependence of constant volume heat capacity, particularly at low temperatures, cannot be explained on the basis of classical ideas. Planck postulated that exchange of energy between matter and radiation takes place only in bundles of a certain quantity of energy and the quantum of exchange is directly proportional to frequency. Einstein and Debye used quantisation of vibrational energy to explain the behaviour of heat capacity of solids at low temperatures.

No. of Participants: 30

Coordinator

HOD

Objective of the Programme:-

* Basic understanding of Quantum statistics

Resource Person: Sri. P.ESWARARAO

eswararaop79@gmail.com, Mobile No : 9701024118, Abhyudaya degree College

REGISTRATION FORM

Name:
Designation:
Institution:
Address for Communication:

Mobile:
Emsil:

Last date to Registration:

8th July, 2017

Program Committee:

PRINCIPAL

Dr. P.Srinivasarao

Principal

Gayatri College of Science & Management

CONVENOR

Sri, B.V.B. HANUMANTU RAO

Lecturer, HOD of Physics

Gayatri College of Science & Management

COORDINATOR

Sri. B.V.B. HANUMANTU RAO

Lecturer, HOD of Physics Gayatri College of Science & Management

Address for Communication:-

Sri. B.V.B. HANUMANTU RAO

Coordinator

Gayatri College of Science & Management
Munasabupeta, Srikakulam

Contact No: 9346012122 Mail: burrabhaskar@gmail.com



GAYATRI COLLEGE OF SCIENCE & MANAGEMENT

(Affiliated to Dr.B.R.Ambedkar University)

A FACULTY
DEVELOPMENT PROGRAM
ON

Quantum Statistics

Dates 10.07.2017 to 14.07.2017

Organized by

Department of Physics

Venue

Seminar Hall

Gayatri College of Science & Management

Munasabpeta,

SRIKAKULAM-532401, A.P. INDIA.

About the College:-

Gayatri College of Science and Management was established in the year 1991, it is one of the best college in Andhra Pradesh. There is no such college in the rural area, it provides all the latest facilities. The college provides the best higher education to the society and the aim of the college is to provide the education with the latest and high tech facilities. It gives the opportunities to study to those students who willing to study and economically week. Shri G.V. Swamy Naidu, is a dynamic man he was to spread education all over and he comes from backward area so he decided to spread education in the rural area. The main aim of the college is to serve the best quality of education to the students who comes from backward area.

Gayatri College of Science and Management got affiliated by Andhra University and there are many other courses are offered by the college for the undergraduate, post graduate and professional courses and diploma courses, aspirants interested in their area take admission and pursue career.

There are many courses offered by the Gayatri College of Science and Management such as

- *Bachelors of Science- Mathematics,
- *Physics, *Chemistry, *Zoology, *Bio-Chemistry,
- *Bio-Biotechnology

Post graduation Courses-

- *Master of Business Administration
- *Master of Computer Application
- *Master in Science- Analytical Chemistry

The college has best facilities such as laboratories, spacious and lush green area, dedicated staff, transportation facility.

About the Department:-

The Department of Physics was established from the inception of the college i.e in the year 1996. Its glorious progress with a well established laboratories, instrumentation and other equipments. The department offers variety physics courses for the purpose of imparting knowledge in the core subject.

The department serves with highly qualified and experienced faculty members from the day of established.

At present the Department has fully equipped laboratories for the need of students as well as for research work and total 4 faculty members are working in the department with highly qualified and experienced.

The faculty of the department are involved in research in various areas.

Department also has Departmental Library. This department is equipped with LCD projector and a computer with internet facility.

About the Progeam:-

* Understanding Quantum physics and applying statstics to Quantum theories

Topics Covered:-

- * Quantum Physics
- * Quantum theories
- * Quantum Statistics





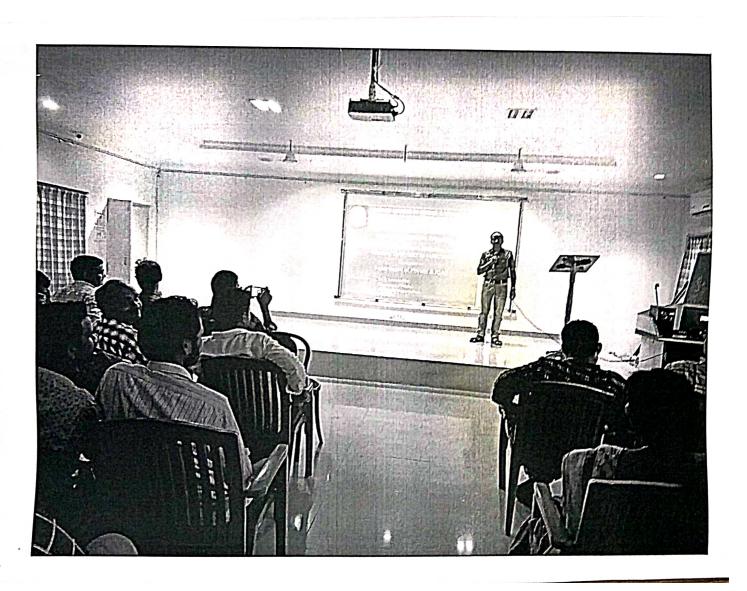
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Under the Management of GURAJADA EDUCATIONAL SOCIETY
Munasabpeta, SRIKAKULAM-532401, A.P.

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./ Mr./Mrs./Ms. S. Mahesh baba has participated in "A FDP On Quantum Statistics" organized by department of Physics, from 10.07.2017 to 14.07.2017 held at Gayatri College of Science & Management, Munasabpeta, Srikakulam-532401, A.P.

Program Coordinator

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Munsabpeta, Srikakulam – 532401

Munsabpeta, Date: 09/07/2017.

CIRCULAR

This is to inform you that Department of Chemistry has planned to conduct the Faculty Development Program in **FLUORIDE REDEVELOPMENT OF OPTODES USING V(V)** for 5 Days i.e., scheduled from 11/07/2017 to 15/07/2017. This is useful to enrich your knowledge in Chemistry. In this connection, all the faculty are requested to attend the programme.

Resource Person:

Sri. K.V.V. SATYANARAYANA

H.o.D, in Chemistry

Timings

12.30 P.M to 01.30 P.M

Venue

Seminar Hall

Head of The Department of Chemistry

Gayatri College of Science & Managemen' Munasabpeធានីជាវិធីសេខភា-532 401



(Affiliated to Dr.B.R Ambedkar University)
Accredited by NAAC & ISO
Under the Management of Gurajada Educational Society
Munasabpeta, Srikakulam - 532401

Name of the Programme: Fluorick Redevelopment of oxides using vcv)

Date: 2017 Department: Chemistry

S.No	Name Of The Staff	Designation	College Name	11/07	12/07	13/07	14/67	15/07	١
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(Affiliated to Dr.B.R Ambedkar University)
Accredited by NAAC & ISO
Under the Management of Gurajada Educational Society
Munasabpeta, Srikakulam - 532401

Name of the Programme: Fluori de Redevelopment of optodes using v(v)

Date : 2017

Department: Chemisky

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K. Svecromuler Programme Coordinator

(Affiliated to Dr.B.R Ambedkar University)
Accredited by NAAC & ISO
Under the management of Gurajada Eductional Society
Munsabpeta, Srikakulam – 532401

Date: 20-07-2017

PROGRAMME REPORT

Name of the programme

: A One Week Faculty Development Programme on

"FLUORIDE REDEVELOPMENT OF

OPTODES USING V(V)"

Dates

: 10-07-2017 to 15-07-2017

Details of Resource Person:

Name: Sri. K.V.V. SATYANARAYANA

Designation : Lecturer in Chemistry

Organization : Gayatri College for P.G Courses

Mobile No : 9550747151

Email id : kvvsatya1980@gmail.com

Objective of the Programme:

Fluoride, a mineral, is naturally present in many foods and available as a dietary supplement. Fluoride is the ionic form of the element fluorine, and it inhibits or reverses the initiation and progression of dental caries and stimulates new bone formation. Although its role in the prevention of dental caries is well established, fluoride is not generally considered an essential mineral element because humans do not require it for growth or to sustain life.

Topics covered:

- Mechanism of the V(V)
- · Measurement of absorbance
- Catalysis

Outcome of the Programme:

The only benefit that you'll gain is a fresher mouth with the natural toothpaste, but you will not receive any benefit against tooth decay if it doesn't have fluoride within it. It's been an essential oral health treatment for decades. Fluoride supports healthy tooth enamel and fights the bacteria that harm teeth and gums. Tooth enamel is the outer protective layer of each tooth. Fluoride is especially helpful if you're at high risk of developing dental caries, or cavities.

No. of Participants: 30

Coordinator

HOD

Objective of the Programme:-

*Development of an optode to determine the amount of V(V) with the help of smart phone.

Resource Person: Sri. K.V.V SATYANARAYANA

kvvsatya1980@gmail.com, Mobile No : 9550747151, Gayatri College for P.G Courses

REGISTRATION FORM

Name:
Designation:
Institution:
Address for Communication:
Mobile:
Email:

Last date to Registration: 8th July, 2017

Program Committee:

PRINCIPAL

Dr. P.Srinivasarao

Principal

Gayatri College of Science & Management

CONVENOR

Sri. K. SREERAMULU

Lecturer, Dept. of Chemistry

Gayatri College of Science & Management

COORDINATOR

Sri. K. SREERAMULU

Lecturer, Dept. of Chemistry Gayatri College of Science & Management

Address for Communication:-

Sri. K. SREERAMULU

Coordinator

Gayatri College of Science & Management Munasabupeta, Srikakulam Contact No: 9989964503

Mail: keerthisreeramulu@gmail.com



GAYATRI COLLEGE OF SCIENCE & MANAGEMENT

(Affiliated to Dr.B.R.Ambedkar University)

A FACULTY DEVELOPMENT PROGRAM ON

Fluoride Redevelopment Of Optodes Using V(V)

Dates 10.07.2017 to 15.07.2017

Organized by

Department of Chemistry

Venue

Seminar Hall

Gayatri College of Science & Management

Munasabpeta,

SRIKAKULAM-532401, A.P. INDIA.

About the College:-

Gayatri College of Science and Management was established in the year 1991, it is one of the best college in Andhra Pradesh. There is no such college in the rural area, it provides all the latest facilities. The college provides the best higher education to the society and the aim of the college is to provide the education with the latest and high tech facilities. It gives the opportunities to study to those students who willing to study and economically week. Shri G.V. Swamy Naidu, is a dynamic man he was to spread education all over and he comes from backward area so he decided to spread education in the rural area. The main aim of the college is to serve the best quality of education to the students who comes from backward area.

Gayatri College of Science and Management got affiliated by Andhra University and there are many other courses are offered by the college for the undergraduate, post graduate and professional courses and diploma courses, aspirants interested in their area take admission and pursue career.

There are many courses offered by the Gayatri College of Science and Management such as

- *Bachelors of Science- Mathematics,
- *Physics, *Chemistry, *Zoology, *Bio-Chemistry,
- *Bio-Biotechnology

Post graduation Courses-

- *Master of Business Administration
- *Master of Computer Application
- *Master in Science- Analytical Chemistry

The college has best facilities such as laboratories, spacious and lush green area, dedicated staff, transportation facility.

About the Department:-

The Department of Chemistry was established from the inception of the college i.e in the year 1996. Its glorious progress with a well established laboratories, instrumentation and other equipments. The department offers variety chemistry courses for the purpose of imparting knowledge in the core subject.

The department serves with highly qualified and experienced faculty members from the day of established.

At present the Department has fully equipped laboratories for the need of students as well as for research work and total 9 faculty members are working in the department with highly qualified and experienced.

The faculty of the department are involved in research various areas.

Department also has Departmental Library. This department is equipped with LCD projector and a computer with internet facility.

About the Progeam:-

- *Kinetics and mechanisim of the V(V) catalyse oxidation of brillent cresyl blue and
- *Determination of V(V)

Topics Covered:-

- * Mechanisim of the V(V)
- * Mesuarement of absorbance
- * Catalysis





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Munasabpeta, SRIKAKULAM-532401, A.P.

Certificate of Participation

This is to certify that Dr./ Mr./Mrs./Ms. S. HEMALATHA has participated in "A FDP On Fluoride Redevelopment Of Optodes Using V(V)" organized by department of Chemistry, from 10.07.2017 to 15.07.2017 held at Gayatri College of Science & Management, Munasabpeta, Srikakulam-532401, A.P.

Program Coordinator

Principal
PRINCIPAL
Gayatri College at Science & Management
Munasahacta-Srikusulam-53246



GAYATRI COLLEGE OF SCIENCE & MANAGEMENT (Affiliated to Dr. B.R.AMBEDKAR UNIVERSITY) Accredited by NAAC & ISO Under the Management of GURAJADA EDUCATIONAL SOCIETY Munasabpeta, SRIKAKULAM – 532 401.

Circular(Staff)

Date: 09-08-2017

All the Staff members are requested to attend 5 days FDP, that will be conducted by the department of Mathematics from 12/08/2017 to 16/08/2017 at the seminar hall by 1:00pm.

Resource Person: Dr. K. Marthanda Krishna.

Topic : Mathematics in Real, Applied, Computational learning

environment.

Research Venue: Seminar Hall.

H. O. D.

Mathematics

IQAC

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



(Affiliated to Dr.B.R Ambedkar University) Accredited by NAAC & ISO Under the Management of Gurajada Educational Society Munasabpeta, Srikakulam - 532401

Name of the Programme: Mathematics in Real, Applied, computational leaving

Date: 12/08/2017 to 16/08/2017

Department: Mathematics

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Programme Coordinator



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Name of the Programme: Mathematics in Real, Applied, computational leaving environment.

Date: 12/08/2017 to 16/08/2017

Department: Mathematics

S.No	Name Of The Staff	Designation	College Name	12/8/17	13/बीत	1418/14	15/8/19	16/8/17	
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	M. Praveen	lecturer	GICSM	B	B	B	B	B	
23.	T. Balaji	Lecturer	GCSM	B	13	B	B	B	
24.	M. Srikauth	lecturer	GICSM	MB-	18	B	B-	B	
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(Affiliated to Dr. B.R.AMBEDKAR UNIVERSITY)

Accredited by NAAC & ISO

Under the Management of GURAJADA EDUCATIONAL SOCIETY

Munasabpeta, SRIKAKULAM – 532 401

Munasabpeta, Date: 14-08-2017

PROGRAM REPORT

Name of the Resource Person: K. Marthanda Krishna

Topic: Mathematics in Real, applied, computational learning environment

OBJECTIVES:

- 1. Understand the recent developments in mathematical sciences.
- 2. Understand the application of math in the world.
- 3. Develop a conceptual a approach of teaching math.
- 4. Identifying the areas of current and ongoing research in math/stat areas.

TOPICS COVERED:

- 1. Recent developments in math and allied areas.
- 2. Numerical methods/Optimization.
- 3. Data Analytics.
- 4. Linear Algebra
- 5. Finite Volume Techniques

OUTCOMES:

- 1. Acquire important techniques in optimization and control theory.
- 2. Develop and demonstrate the ability to reason mathematically by constructing mathematical proofs.
- 3. Acquire specialized knowledge in the recent developments in math areas.
- 4. Able to demonstrate proficiency with statistical analysis of data.

Number of participants: 32

CONVENOR



INVITATION

MATHEMATICS IN REAL, APPLIED, COMPUTATIONAL LEARNING ENVIRONMENT

DEPARTMENT OF MATHEMATICS AND IQAC

GAYATRI COLLEGE OF SCIENCE & MANAGEMENT

(Affiliated to Dr. B.R.AMBEDKAR UNIVERSITY) = #

Accredited by NAAC & ISO

Under the Management of GURAJADA EDUCATIONAL SOCIETY Munasabpeta, SRIKAKULAM – 582 401.

WELCOME ADDRESS BY

Sri M.D.G. Prakash

H.o.D Mathematics

Gayatri College of Science & Management

SPECIAL ADDRESS BY

Sri A.SRINIVASA BABU

1QAC Coordinator Gayatri College of Science & Management

Vote of Thanks

B. CHAITANYA Lecturer, Dept. of Maths

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	LECTURE SC	CHEDULE
12-08-2017	V.	Time: (1:00 to 2:00 Noon) Topic Recent developments in math and allied areas.
13-08-2017	K. Marthanda Krishna Lecturer in	Time: (1:00 to 2:00 Noon) Topic Numerical methods/Optimization.
14-08-2017	Mathematical Science	Time: (1:00 to 2:00 Noon) Topic Data Analytics.
15-08-2017		Time: (1:00 to 2:00 Noon) Topic Linear Algebra
16-08-2017		Time: (1:00 to 2:00 Noon) Tople Finite Volume Techniques



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HoD Department of Mathematics

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



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Department of Mathematics

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