

HINDU COLLEGE :: GUNTUR
NAAC
STUDENT CENTRIC ACTIVITY 2.3.1

NAME OF THE DEPARTMENT:: PG CHEMISTRY

S.NO	ACADEMIC YEAR	EXPERIENTIAL	PARTICIPATIVE	PROBLEM SOLVING	TOTAL	LINK
1	2021-2022	5	18	3	26	



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STUDENT CENTRIC METHODS
2.3.1 (Q_LM)

Experimental

Name of the Department	:	Chemistry (PG)
Title of the Event	:	Experimental work conducted on Inorganic salt mixture analysis.
Date	:	23-03-2022 to 04-03-2022
Venue	:	Chemistry Laboratory, Hindu College
Co-Ordinators	:	Dr.A.R.K. Prasad D.Pooja
No.of Staff Members Involved	:	02
No.of Students Involved	:	29
Objective of the Event	:	To Develop practical knowledge about the separate and detected sample cations and Anions in given salt mixture.
Plan and Execution	:	To identify the Anions and the conformations of the Anions after identify the cations.
Outcome of the Event	:	Students to gain knowledge about separate and detected the cations and Anions.
Evidences	:	Photos



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STUDENT CENTRIC METHODS
2.3.1 (Q_LM)

Experimental Work

Name of the Department	: PG Chemistry
Title of the Event	: Experimental work on synthesis of Sulpha drug and Acridone.
Date	: 23-09-2021 to 29-09-2021
Venue	: Chemistry Laboratory
Co-Ordinator	: Dr.E.H.V. Subhashini
No.of Staff Members Involved	: 02
No.of Students Involved	: 29
<u>Objection of the Event</u>	: To develop practical knowledge about synthesis of organic compounds and preparation of Sulpha drug and Acridone. in laboratory.
<u>Plan and Execution</u>	: Required chemicals are sorted out and solutions are prepared. Instruments and materials needed are procured to run the experiments smoothly.
<u>Outcome of the Event</u>	: Students gained practical knowledge and skills while performing experiments.
Evidences	: Photo Gallery.



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2.3.1 (Q_LM)

Experimental

Name of the Department	:	P.G Chemistry
Title of the Event	:	Identification of organic compounds.
Date	:	18-02-2022 to 28-02-2022
Venue	:	Chemistry Practical Lab – I
Co-Ordinators	:	P.Anusha Dr.J.Umamaheswara Rao
No.of Staff Members Involved	:	02
No.of Students Involved	:	33
Objective of the event	:	(1) To Promote interest in Chemistry Laboratory experiments and to develop their practical knowledge in Organic Chemistry
Plan and Execution	:	Chemicals required for Identification of organic compounds are procured.
Outcome of the Event	:	Experiments are conducted individually to confirm the yields and melting points of the final products. Students learned innovative approach of executing the experiments.
Evidences	:	Photo Gallery





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Extension Activity Report

- | | | | |
|----|---------------------------------|---|--|
| 1 | Academic year | : | 2021-2022 |
| 2 | Month ,Year | : | April,2022 |
| 3 | Venue | : | Chuttugunta , Guntur |
| 4 | Coordinating faculty | : | Dr.E.H.V.Subhashini, P.Anusha |
| 5 | dept./Committee Activity Member | : | Dept. of PG Chemistry, HinduCollege, Guntur. |
| 6 | IQAC Activity number | : | 3.3.1 |
| 7 | Number of Participants | : | Students – 04 |
| 8 | Funding agency | : | Supported by Hindu College |
| 9 | Title of the Activity | : | “World Health Day”. |
| 10 | Objectives of Conducting | : | (1) To Create awareness among the children about the need of fruits in our daily life
(2) To create awareness about the effect of junk food while using |
| 11 | Outcomes of the Activity | : | (1) People understood the importance of fruits.
(2) People got aware of disadvantage and effect of junk foods. |
| 12 | Suggestions | : | Every School Should ban junk food Snacks and encourage fruits for Snacks. |
| 13 | Problems occurred ., if any | : | Children like to take junk foods they are not interest to take fruits. |
| 14 | Recommendation., if any | : | Government should ban unhealthy junk food packets. |



EXPERIENTIAL LEARNING

Name of the Department` :PG Chemistry

Title of the Event : Visit to Department of chemistry AcharyaNagarjunaUnivesity.

Date : 22-02-2022

Co-ordinator :Dr.E.H.VijayaSubhashini&P.Anusha

No.of Staff Members Involved 04

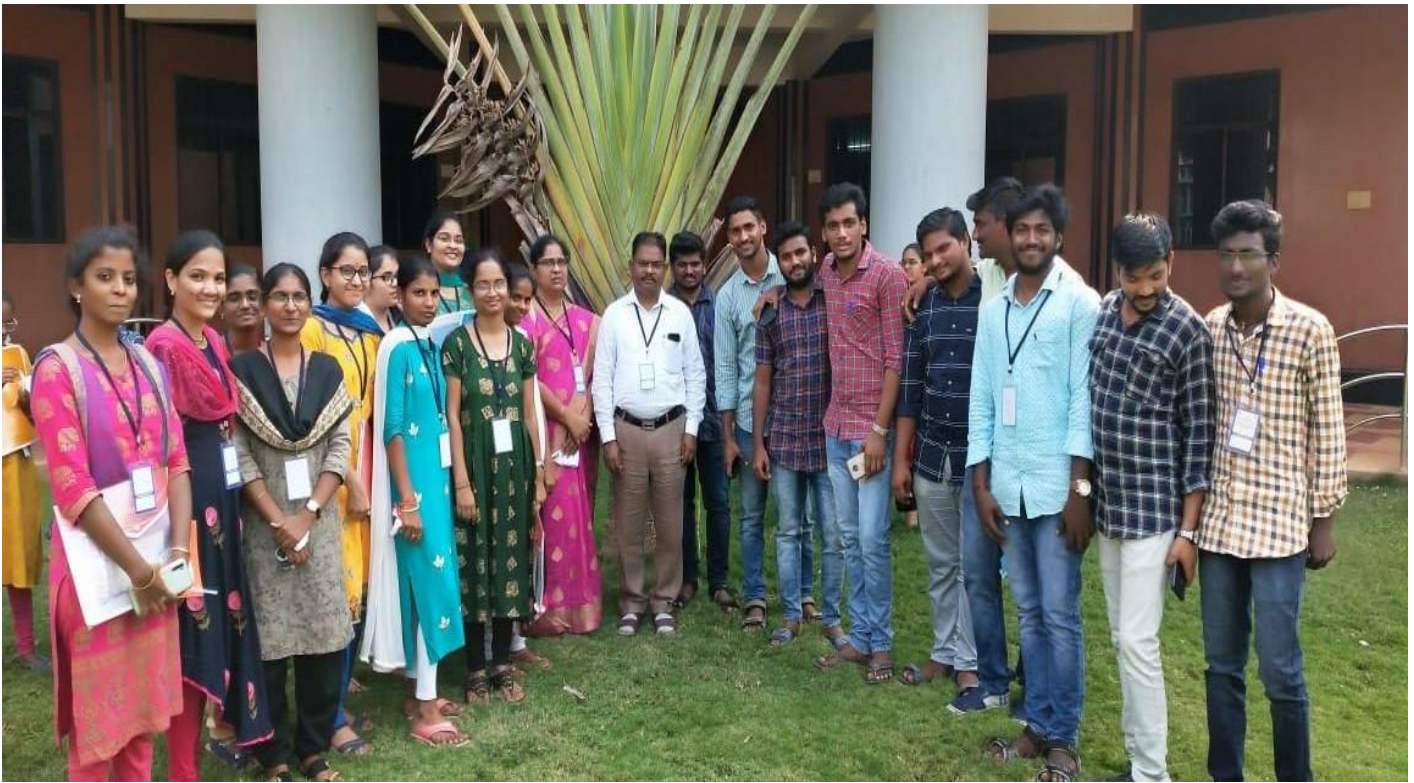
No.of Students Involved 26

Objective of the event :To enable students to understand about the research activities in organic synthesis division, Natural products division,Forensic chemistry division etc..

Plan and Execution :Visited organic chemistry lab, Inorganic chemistry lab, Forensic Chemistry lab,Instrumentation lab.

Outcome of the Event : Students gained knowledge about researchprogrammes and got motivate towards research activities

Evidences :1) Photo Gallery
2) Notice Copy.





PG. chemistry students visit to
ANU , 22/2/2022.

EXPERIENTIAL LEARNING

Name of the Department`	:PG Chemistry
Title of the Event	: Field trip to S R M University, Tadikonda,Guntur.
Date	: 21-03-2022
Co-ordinator	:P.SivaRanjani
No.of Staff Members Involved	03
No.of Students Involved	28
Objective of the event	:To Create awareness about the instruments present in various divisions of chemistry department to motivate students towards research activities
Plan and Execution	:Visited all divisions of Organic,Inorganic,Environmental,Nanochemistry,
Outcome of the Event	: Gained Knowledge about all the instruments and their working present in various departments of chemistry.
Evidences	:1) Photo Gallery 2) Notice Copy.



PARTICIPATIVE LEARNING

Name of the Department	:	Department of PG Chemistry
Title of the Event	:	Student Seminars
Venue	:	Hindu College
Date	:	01-12-2021 to 24-12-2021
Co-ordinator	:	Dr.E.H.V.Subhashini,P.Anusha,P.Sivaranjini
No.of Staff Members Involved	:	03
No.of Students Involved	:	30
Objective of the event	:	To Identify Practical learning skills and concepts that will promote students academic success
Plan and Execution	:	Students were given seminar topics and set the date. On that days students presented seminar topics and conducted a small quiz and completed the presentation
Outcome of the Event	:	Students become more confident and independent. Students should improve communication skills, gain expert knowledge, motivation and confidence.
Evidences	:	Photos

LIST OF THE STUDENTS PARTICIPATED IN SEMINAR::

S.NO	NAME OF THE STUDENT	SEMINAR TOPIC
1	BOLLU RAJESWARI	AROMATICITY
2	BANDI MAMATHA	ENVIRONMENTAL CHEMISTRY
3	BATTULA DEVI PRIYANKA	CHEMISTRY OF BIOMOLECULES
4	GADDE MOUNIKA	MOLECULAR ORBITAL THEORY
5	GAMPALA DAYAKAR	CASE COMPOUNDS
6	GANGADHARA VENKATANAGALAKSHMI	HETERO CYCLIC COMPOUNDS
7	GAVIDI SUDHAKARA RAO	STEREOISOMERISM
8	GORANTLA SWATHI	E-Z NOMENCLATURE
9	JOGIPATHI MEERAIAH	KLYNE-PRELOG TERMINOLGY
10	KODIPILLA LAKSHMIPRASANNA	DECALINS
11	KAMBHAMPATI HARISH	CONFORMATION OF SUGARS
12	KANDUKURI SAI PRIYANKA	SURFACE ACTIVE AGENTS
13	KOLLA ANJALI	GAS CHROMATOGRAPHY
14	KONATHAM RAMA DEVI	PAPER CHROMATOGRAPHY
15	KOTA RAMYA	THIN LAYER CHROMATOGRAPHY
16	MEDABALIMI KISHORE	PHOTO INORGANIC CHEMISTRY
17	NUTHAKKI LUMBINI	ELIMINATION REACTIONS



PARTICIPATIVE LEARNING

Name of the Department	:	Department of Agriculture
Title of the Event	:	Mock interviews
Date	:	12/08/2021 to 24/08/2021
Venue	:	Hindu college
Co-ordinator	:	Dr.E.H.V.Subhashini
No.of Staff Members Involved:		04
No.of Students Involved	:	45
Objective of the event	:	To help students gain confidence with the chance to reflect on their non-verbal and verbal communication abilities.
Plan and Execution	:	We divided the students into batches and organized the interview in two panels.
Outcome of the Event	:	Students experienced the ambience of interview and gained confidence and helped them to improve their communication skills.
Evidences	:	Photos





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2.3.1 (QLM)

Problem Solving

Name of the Department	: PG Chemistry
Title of the Event	: Sedimentation Model
Date	: 01-02-2022
Venue	: Organic Chemistry Lab .
Co-Ordinators	: Dr.E.H.Vijaya Subhasini P.Anusha
No.OfStaff Members Involved	: 05
No.of Students Involved	: 38
<u>Objective of the Event</u>	: To demonstrate about Filtration process by using Sedimentation Model
<u>Plan and Execution</u>	: Students gathered in chemistry lab and explained in detailed about working of Sedimentation Model
.	
<u>Outcome of the Event</u>	: Students gained knowledge about purification of water by Sedimentation Method
Evidences	: Photo Gallery.





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Problem Solving

Name of the Department : PG Chemistry
Title of the Event : Lab protocols flow chat
Date : 02-02-2022
Venue : Organic Chemistry Lab .
Co-Ordinators : Dr.E.H.Vijaya Subhasini
P.Anusha
No.OfStaff Members Involved : 05
No.of Students Involved : 38
Objective of the Event : To demonstrate about safety precautions followed in the Laboratory

Plan and Execution : Students gathered in chemistry lab and
Explained in detailed about safety rules
followed in the Laboratory.

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Outcome of the Event : Students gained knowledge safety precautions followed in the Laboratory

Evidences : Photo Gallery.



LABORATORY PROTOCOLS



No Food

Don't eat or drink in the lab.
Get your food elsewhere.



Safety First

Know location of safety
equipment and emergency
numbers.



Be Attentive

Don't talk or use your phone in the lab.
Don't wear all equipment in
advance.



ID Hazards

Always read labels before
using any chemicals.



Handle Glassware Carefully

Report a broken or cracked
piece of glassware.



Proper Supervision

Don't perform lab experiments
without instructor supervision.

Department of Chemistry, HINDU COLLEGE



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STUDENT CENTRIC METHODS

2.3.1 (Q_LM)

Problem Solving

Name of the Department : PG Chemistry

Title of the Event : Quiz Competition on Industrial applications

Date : 14-03-2022

Venue : Seminar Hall, Hindu College.

Co-Ordinator : Smt.P.Anusha

No.of Staff Members involved : 03

No.of Students Involved : 30

Objective of the Event : To Evaluate the knowledge of the students within academics and to develop themselves and highlight progress.

Plan and Execution : The Quiz Competition was conducted on “Industrial applications” in three rounds and finally results were given at the same.

Outcome of the Event : It had beneficial impact on the students by increasing student involvement, motivation, better score and stress reduction and helped students to put what they have learned into practice.

Evidences : Certificate, Photo Gallery.



HINDU COLLEGE, GUNTUR

Certificate of participation [2021-2023]

This is to certify that Mr/Ms GANGISETTI MEGHA has participated and well performed in Quiz competition held on _____ by Department of Chemistry (PG), Hindu College, Guntur.

Dr.E.H.Vijaya Subhashini
Head,Dept.of Chemistry (PG)
Hindu College,Guntur.

Dr.J.Umamaheswara Rao
Director
Hindu College
Guntur



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Problem Solving

Name of the Department	: PG Chemistry
Title of the Event	: Experimental work about “Applications of Chemistry in Daily Life”.
Date	: 25-01-2023
Venue	: Organic Chemistry Lab I & II.
Co-Ordinators	: Dr.E.H.Vijaya Subhasini P.Anusha
No.Of Staff Members Involved	: 05
No.of Students Involved	: 32
<u>Objective of the Event</u>	: To Promote interest in Chemistry Laboratory experiments and to develop their practical knowledge in Organic Chemistry.
<u>Plan and Execution</u>	: Experiments on Separation of essential oils from Fractional distillation, Distillation.
<u>Outcome of the Event</u>	: Students gained practical knowledge from all the experiments and how to solve practical problems individually and collectively time management and communication with others.
Evidences	: Photo Gallery.

