

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	2020-2021	3	17	3	23	



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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 Methyl Orange & Paracetamol.
Date	: 03-01-2020 to 10-01-2020
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 paracetamol 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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Experimental

Name of the Department	: PG Chemistry
Title of the Event	: Experimental work on synthesis of Methyl Orange & Paracetamol.
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 paracetamol 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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Experiential

Name of the Department	: Chemistry (PG)
Title of the Event	: Experimental work conducted on Inorganic salt mixture analysis.
Date	: 21-09-2021 to 2-10-2021
Venue	: Chemistry Laboratory, Hindu College
Co-Ordinators	: Dr. A.R.K. Prasad T.Sravanthi
No.of Students Members Involved	: 02
No.of Students Involved	: 28
Objective of the Event	: To Provide a safe, accessible environment for laboratory personal to conduct their work.
Plan and Execution	: To identify the Anions and the conformations of the Anions after Identify the cations.
Outcome of the Event	: To Develop Practical knowledge about separate and detect cations and Anions in a Sample Substance.
Evidences	: Photos





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- 1 Academic year : 2020-2021
- 2 Month Year : December, 2020
- 3 Venue : Commercial area, Market Area
- 4 Coordinating : Dr.E.H.V.Subhashini, P.Anusha, P.Siva
Ranjani, P.Pooja
- 5 Dept./Committee Activity : Dept. of PG Chemistry, Hindu College,
Member Guntur.
- 6 IQAC Activity number : 3.3.1
- 7 Number of Participants : Students – 10
Teachers – 04
- 8 Funding agency : Supported by Hindu College, Committee has
provided transportation and Masks, Sanitizers.
- 9 Title of the Activity : Awareness of Usage regarding Masks &
Sanitizers.
- 10 Objectives of Conducting : (1) To impressing the importance of Masks
and Sanitizers.
(2) To assist people to understand causes
symptoms and prevention about covid.
- 11 Outcomes of the Activity : (1) To know the health conditions of the
people in the society
(2) To know about unhygienic conditions
and usage of Sanitizers and masks.



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World health day - 2021 - 4

5/4/2021 (

PARTICIPATIVE LEARNING

Name of the Department	:	Department of PG Chemistry
Title of the Event	:	Student Seminars
Venue	:	Hindu College
Date	:	08-11-2020 to 24-11-2020
Co-ordinator	:	Dr.E.H.V.Subhashini,P.Anusha,P.Sivaranjini
No.of Staff Members Involved	:	03
No.of Students Involved	:	32
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	Electrode potentials Double layer at the interface
2	BANDI MAMATHA	Rate of charge transfer
3	BATTULA DEVI PRIYANKA	Decomposition potential
4	GADDE MOUNIKA	Over potential
5	GAMPALA DAYAKAR	Tafelplots
6	GANGADHARA VENKATANAGALAKSHMI	Buttler –Volmer Equations
7	GAVIDI SUDHAKARA RAO	Electro catalysis
8	GORANTLA SWATHI	Fuel cells
9	JOGIPATHI MEERAAIAH	Polarography
10	KODIPILLA LAKSHMIPRASANNA	Diffusion current
11	KAMBHAMPATI HARISH	Nernst –heat theorem
12	KANDUKURI SAI PRIYANKA	Entropy
13	KOLLA ANJALI	Corrosion
14	KONATHAM RAMA DEVI	Half Wave potential
15	KOTA RAMYA	Quantum Yield
16	KOYI ANIL	Branching Chain reactions

PARTICIPATIVE LEARNING

Name of the Department	:	Department of PG Chemistry
Title of the Event	:	Group Discussions
Venue	:	Hindu College
Date	:	10-09-2020
Co-ordinator	:	Dr.E.H.V.Subhashini,P.Anusha,P.Sivaranjini
No.of Staff Members Involved	:	03
No.of Students Involved	:	32
Objective of the event	:	To discuss about the chemistry in our daily life like food we eat the air we breathe ,various cleansing agents and medicins we use etc....
Plan and Execution	:	Enounced the theme of group discussion to students. On the day , started the programme and each students expressed about their views on chemistry in our daily life.
Outcome of the Event	:	Students gained knowledge on the impact of chemistry in their daily life
Evidences	:	Photos





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PROBLEM SOLVING – QUIZ

Name of the Department : PG Chemistry

Title of the Event : Quiz Competition on “Organic Synthetic Mechanisms”

Date : 13-11-2021

Venue : M.Sc Chemistry Class room

Co-Ordinator : Dr.E.H.Vijaya Subhasini
P.Anusha

No.of Staff Members Involved : 02

No.of Students Involved : 32

Objective of the Event : To gain broad understanding of the subject and to encourage students to enhance their knowledge.

Plan and Execution : Quiz competition is conducted by setting a title “Named reactions in Organic Chemistry” Prepared questionnaire and organized quiz in class room and quiz result were announced.

Outcome of the Event : Students gained specialised understanding of the subject and also enhanced their general knowledge.

Evidences : Letter, Circular, Photo Gallery.



HINDU COLLEGE, GUNTUR

Certificate of participation [2020-2022]

This is to certify that Mr/Ms SHAIK DILSHAMA has participated and well performed in Quiz competition held on 13/11/2021 by Department of Chemistry (PG), Hindu College, Guntur.

Dr.E.H.Vijaya Subhashini

Head, Dept. of Chemistry (PG)

Hindu College, Guntur.

DIRECTOR

Sciences & Allied Courses

Dr. J. Umamaheswara Rao

Amaravathi Road Guntur-15

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	: 14-08-2021
Venue	: Organic Chemistry Lab I & II.
Co-Ordinators	: Dr.E.H.Vijaya Subhasini P.Siva Rajani
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, TLL, Paper Chromatography Column Chromatography, Soap preparation were done by the students and exhibited them.
<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	: Letter, Circular, Photo Gallery.





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PROBLEM SOLVING – MODELS

Name of the Department : PG Chemistry

Title of the Event : Models & FlowChart Presentation

Date : 11-12-2021

Venue : Chemistry Laboratory

Co-Ordinator : Dr.E.H.Vijaya Subhashini
P.Siva Rajani

No.Of Staff Members Involved : 04

No.Of Students Involved : 32

Objective of the Event : To explore the Creative talent of the students and force them to think outside the box. To develop skills in experimentation, observation and manipulative apparatus.

Plan and Execution : Students displayed all the working models and experiments that are specifically developed to support analysis, purification of impure water, LPG gas preparation from petrol, periodic table model etc.

Outcome of the Event : Students learned various applications of Organic Chemistry relevant to daily life learned about how to develop new technologies in practical field.

Evidences : Letter, Circular, Photo Gallery

