

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	2018-19	4	17	3	24	



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STUDENT CENTRIC METHODS

2.3.1 (Q_{LM})

Experimental

Name of the Department	:	P.G Chemistry
Title of the Event	:	Laboratory Session for PG Chemistry Students
Date	:	04-09-2018 to 12-09-2018
Venue	:	Chemistry Practical Lab – I
Co-Ordinators	:	P.Anusha Dr.J.Umamaheswara Rao
No.of Staff Members Involved	:	02
No.of Students Involved	:	31
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 are preparation of Aspirin, Iodoform, Metadi, Nitrobenzene, Acetanilide etc. 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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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	:	05-11-2018 to 12-11-2018
Venue	:	Chemistry Laboratory, Hindu College
Co-Ordinators	:	Dr.A.R.K. Prasad P.Sivaranjini
No.of Staff Members Involved	:	02
No.of Students Involved	:	31
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 Methyl Orange & Paracetamol.
Date	: 05-03-2019 to 15-03-2019
Venue	: Chemistry Laboratory
Co-Ordinator	: Dr.E.H.V. Subhashini
Dr.J.Umamaheswara Rao	
No.of Staff Members Involved	: 02
No.of Students Involved	: 31
<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.



EXPERIENTIAL LEARNING

Name of the Department`	: PG Chemistry
Title of the Event	: Educational Tour to Vizag
Date	: 21-02-2019 to 23-02-2019
Co-ordinator	: Dr. E.H.Vijaya Subhashini
No.of Staff Members Involved	06
No.of Students Involved	31
Objective of the event	: To create awareness among students about historical places in city of Destiny and to view all the places of seinice beauty
Plan and Execution	: Visited Kailas Giri park, kursura submarine museum, Borra caves,kitiki water falls,RK beach.
Outcome of the Event	: Students learnad different types of traditional customs, and gained knowledge about the formation of calcium depositeis in Borra caves
Evidences	: 1) Photo Gallery



Tour to Vigay . 21-2-2019 .





Chaparai, Araku, 22-2-2019.



PARTICIPATIVE LEARNING

Name of the Department	:	Department of PG Chemistry
Title of the Event	:	Student Seminars
Venue	:	Hindu College
Date	:	13-02-2019 to 20-02-2019
Co-ordinator	:	Dr.E.H.Vijaya.Subhashini,P.Anusha,P.SivaRanjini
No.of Staff Members Involved	:	03
No.of Students Involved	:	31
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	AKULA SWAPNA	Third Law of The Thermodynamics and limitations
2	AMBATI GOPI	Types of Eliminations
3	BATHULA RAJYA LAKSHMI	Thin layers chromatography
4	BODDUPALLI ANJANEYULU	Slater-Condon repulsion parameters
5	ESARAPU SATISH	Tanabe Sugano diagrams for d1 to d9
6	GOPU ANIL	Energy transition, simple chromophore
7	KONDA MAITHRI	Fundamental modes of vibrations , stretching and bending
8	KONURI APARNA	Comparison of NMR & ESR, Fourier transformation
9	KOPPULA SUPRIYA	Paper Chromatography
10	KOSANAM VENKATESWARARAO	Column Chromatography
11	LAKSHMI BOGGARAPU	E2,E1,E1cB elimination reactions
12	MANNAVA MANESHA	Magnetic properties
13	MUPPARAJU USHA	Inorganic reactions
14	NAGAVARSHANI KATTA	Trans effect
15	NALAMALA GLORY	Myoglobin Hemoglobin , vitamin B12
16	NALLURI VENKATA GOPI SAINADH	Magnetic Properties



PARTICIPATIVE LEARNING

Name of the Department`	: Department of PG Chemistry
Title of the Event	: Computer assisted learning
Date	: 25-03-2019
Venue	: Hindu college
Co-ordinator	: Dr.E.H.Vijaya Subhashini & Smt. P.Anusha
No.of Staff Members Involved	02
No.of Students Involved	31
Objective of the event	: To acquaint students with computer knowledge.
Plan and Execution	: We divided students into batches and taught students about MS office
Outcome of the Event	: Students gained knowledge about MS office
Evidences	: Photos



PROBLEM SOLVING

Name of the Department : PG Chemistry

Title of the Event : Experimental work conducted on preparations of Organic compounds.

Date : 09-07-2018 to 16-07-2018

Venue : Chemistry Laboratory, Hindu College

Co-Ordinators : Dr.J.Umamaheshwara Rao
Dr.E.H.Vijaya Subhashini

No.of Staff Members Involved : 02

No.of Students Involved : 31

Objective of the Event : (1) To enhance practical skills of students during experimentation and observation.
(2) To motivate the students towards research activities.

Plan and Execution : Chemicals required are preparation of Aspirin, Iodoform, Metadi, Nitrobenzene, Acetanilide etc. are procured.

Outcome of 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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PROBLEM SOLVING – QUIZ

Name of the Department	: PG Chemistry
Title of the Event	: Quiz Competition on “Organic Reactions and Mechanisms”
Date	: 06-08-2018
Venue	: M.Sc Chemistry Class room
Co-Ordinator	: Dr.E.H.Vijaya Subhasini, P.Sivaranjani & P.Anusha
No.of Staff Members Involved	: 03
No.of Students Involved	: 31
<u>Objective of the Event</u>	: To gain broad understanding of the subject and to encourage students to enhance their knowledge.
<u>Plan and Execution</u>	: 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.
<u>Outcome of the Event</u>	: Students gained specialized understanding of the subject and also enhanced their general knowledge.
Evidences	: Certificate, Photo Gallery.



HINDU COLLEGE, GUNTUR

Certificate of participation [2017-2019]

This is to certify that Mr/Ms N.V.GOPAL SAINADH has participated and well performed in Quiz competition held on 6/08/2018 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
Hindu College
Amaravathi Road Campus
Director
Hindu College,Guntur



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2.3.1 (Q_{LM})

PROBLEM SOLVING – QUIZ

Name of the Department	: PG Chemistry
Title of the Event	: Quiz Competition on “Applications of Inorganic Chemistry”
Date	: 11-12-2019
Venue	: M.Sc Chemistry Class room
Co-Ordinator	: Dr.E.H.Vijaya Subhasini, P.Sivaranjani & P.Anusha
No.of Staff Members Involved	: 03
No.of Students Involved	: 31
<u>Objective of the Event</u>	: To gain broad understanding of the subject and to encourage students to enhance their knowledge.
<u>Plan and Execution</u>	: 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.
<u>Outcome of the Event</u>	: Students gained specialized understanding of the subject and also enhanced their general knowledge.
Evidences	: Certificate, Photo Gallery.



HINDU COLLEGE, GUNTUR

Certificate of participation [2017-2019]

This is to certify that Mr/Ms BODDIPAIL ANJANEYULU has participated and well performed in Quiz competition held on 6-8-2018 by Department of Chemistry (PG), Hindu College, Guntur.

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

DIRECTOR
Dr.J. Sumanaheswara Rao
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Hindu College, Guntur