

**HINDU COLLEGE :: GUNTUR**  
**NAAC**  
**STUDENT CENTRIC ACTIVITY 2.3.1**

**NAME OF THE DEPARTMENT:: PG CHEMISTRY**

<b>S.NO</b>	<b>ACADEMIC YEAR</b>	<b>EXPERIENTIAL</b>	<b>PARTICIPATIVE</b>	<b>PROBLEM SOLVING</b>	<b>TOTAL</b>	<b>LINK</b>
1	2017-18	4	17	2	23	



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**STUDENT CENTRIC METHODS**

**2.3.1 (QLM)**

**Experimental**

Name of the Department	:	P.G Chemistry
Title of the Event	:	Laboratory Session for PG Chemistry Students
Date	:	02-08-2017 to 21-08-2017
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 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<sub>L</sub>M)**

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**Experimental**

Name of the Department	:	Chemistry (PG)
Title of the Event	:	Experimental work conducted on Inorganic salt mixture analysis.
Date	:	01-09-2017 to 16-09-2017
Venue	:	Chemistry Laboratory, Hindu College
Co-Ordinators	:	Dr.A.R.K. Prasad P.Sivaranjini
No.of Staff Members Involved	:	02
No.of Students Involved	:	30
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 (QLM)**

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**Experimental Work**

Name of the Department	: PG Chemistry
Title of the Event	: Experimental work on synthesis of Para amino phenol and methyl red
Date	: 05-03-2018 to 21-03-2018
Venue	: Chemistry Laboratory
Co-Ordinator	: Dr.E.H.V. Subhashini
Dr.J.Umamaheswara Rao	
No.of Staff Members Involved	: 02
No.of Students Involved	: 30
<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**

<b>Name of the Department`</b>	<b>:PG Chemistry</b>
<b>Title of the Event</b>	<b>: Education tour OotyCoonor, Tirpur,Mysore.</b>
<b>Date</b>	<b>: 25-01-2018 to 01-03-2018</b>
<b>Co-ordinator</b>	<b>:Dr.E.H.VijayaSubhashini and P.Anusha</b>
<b>No.of Staff Members Involved</b>	<b>04</b>
<b>No.of Students Involved</b>	<b>39</b>
<b>Objective of the event</b>	<b>:To create practical awareness to students and to gain knowledge about the development of Anti-Rabies vaccine. To motivate the students towards research activities and pharmaceutical analysis in industries.</b>
<b>Plan and Execution</b>	<b>:</b>
	26-01-2018 :- Dodebetta Tea Museum, tea factory, ChocolateFactory,Wenlock Downs.27-01-2018:- Pasteur Institute of India,Coonor,Nilagiris,Ooty,Tamilnadu.
	28-01-2018:-Ooty Botanical gardens,Govt. Rose gardens,9 <sup>th</sup> mile,6 <sup>th</sup> mile Shooting spots, Dolphin Nose29-01-2018:-Kam Raj Sagar Dam, Pyakara waterfalls, Ketti Valley view.
	30-01-2018:- Black Thunder, Tirupur.
	31-01-2018:- Golden Temple, Veluru, Kanipakam Temple.
<b>Outcome of the Event</b>	<b>: Students are able to view thwworls from fresh perspectives and gained knowledge about the development of vaccines in bulk. They not only had experienced learning but also learnt about cultural tradition and rich heritage of the places.</b>
<b>Evidences</b>	<b>: 1) Email Copy 2) Photo Gallery 3) Tea Factory visited certificate</b>







# Doddabetta Tea Factory And the Tea Museum



## INDUSTRIAL VISIT CERTIFICATE

This is to certify that students of HINDU COLLEGE, GUNTUR  
Department of Chemistry [P.G]

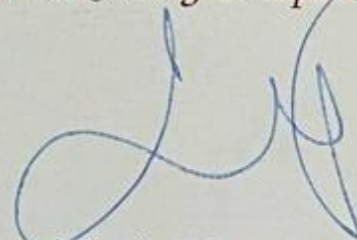
visited The Doddabetta Tea Factory and the Tea Museum on 26/02/2018

They were given first hand information of the entire tea history and processing. They participated in a guided factory tour in which the history of tea and the different stages of tea processing like withering, crushing, cutting / tearing / curling (CTC), shaping, fermentation, drying, cleaning and grading was explained to them. The students evinced keen interest in knowing all aspects about tea manufacture.

Place : Udthagamandalam

Date : 26/02/2018



  
Authorised Signatory



## **PARTICIPATIVE LEARNING**

- Name of the Department** : Department of PG Chemistry
- Title of the Event** : Student Seminars
- Venue** : Hindu College
- Date** : 08-11-2018 to 24-11-2018
- 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 ::**

<b>S.NO</b>	<b>NAME OF THE STUDENT</b>	<b>SEMINAR TOPIC</b>
1	ALLAM KAVYA	GENERATION, STRUCTURE,STABILITY & REACTIVITY OF CARBOCATAIN
2	BANAVATHU KRISHNA PRIYA	ACID/BASE TITRATIONS
3	BHAVANA RAMYA	JOHN TELLER THEORUM
4	BHIMANADUNI SAI SURYA MUDIRAJ	R/S NOMENCLATURE
5	BHUMIREDDY OBULA REDDY	LAWS OF THERMODYNAMICS
6	BUDATI VASANTHA LAKSHMI	BASIC PRINCIPLE,INSTRUMENTATION OF HPLC
7	DEVI REDDY PRASANNA KUMAR	CLASSIFICATION OF METAL CLUSTERS
8	DUSARI MANASA	NUCLEOPHILIC SUBSTITUTION REACTIONS
9	INDUKURI RAJASEKHARA REDDY	PHOTO CHEMISTRY OF CARBONYL COMPOUNDS
10	JAGANNADAM SUVARCHALA	ELECTROCYCLIC REACTIONS
11	JONNAKUTTI NARESH	ANTI-MALARIALS
12	JUPUDI LENIN BABU	CARBON NANOTUBES
13	KANUGOLU THIRISHA	CHEMICAL SHIFT
14	KARRI LAKSHMI TIRUPATHAMMA	OPTICAL ROTATORY DISPERTION
15	MADANU RAJESH	IR FUNCTIONAL GROUPS



## **PARTICIPATIVE LEARNING**

<b>Name of the Department</b>	:	Department of PG Chemistry
<b>Title of the Event</b>	:	Group Discussions
<b>Venue</b>	:	Hindu College
<b>Date</b>	:	10-11-2017
<b>Co-ordinator</b>	:	Dr.E.H.V.Subhashini, P.Anusha, P.Sivaranjini
<b>No.of Staff Members Involved</b>	:	03
<b>No.of Students Involved</b>	:	30
<b>Objective of the event</b>	:	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....
<b>Plan and Execution</b>	:	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.
<b>Outcome of the Event</b>	:	Students gained knowledge on the impact of chemistry in their daily life
<b>Evidences</b>	:	Photos





# HINDU COLLEGE, GUNTUR

## Certificate of participation [2016-2018]

This is to certify that Mr/Ms M. RAJESH has participated and well performed in Debate competition held on 10-11-2017 by Department of Chemistry (PG), Hindu College, Guntur.

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

Dr.J.UmamaheswaraRao  
Director  
Hindu College,Guntur



## **PARTICIPATIVE LEARNING**

<b>Name of the Department</b>	:	Department of PG Chemistry
<b>Title of the Event</b>	:	Guest Lecture on <b>separation techniques</b> .
<b>Venue</b>	:	Hindu College
<b>Date</b>	:	24-03-2018
<b>Co-ordinator</b>	:	Dr.E.H.V.Subhashini.
<b>No.of Staff Members Involved</b>	:	05
<b>No.of Students Involved</b>	:	82
<b>Objective of the event</b>	:	To gain knowledge on separation techniques.
<b>Plan and Execution</b>	:	In this lecture sir explained various chromatographic techniques like PC, CC,TLC,HPLC by using while presenting slides.
<b>Outcome of the Event</b>	:	Students gained knowledge on separation techniques
<b>Evidences</b>	:	Photos

**GUEST LECTURE**  
on  
**“SEPERATION TECHNIQUES”**

By

Dr. B. HARI BABU

Asst. Professor,

Acharya Nagarjuna University,

Nagarjuna Nagar

Date: 24-03-2018

-----Organized by-----

DEPARTMENT OF CHEMISTRY (PG)

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	: 24-08-2017
Venue	: Organic Chemistry Lab I & II.
Co-Ordinators	: Dr.E.H.Vijaya Subhasini P.Anusha
No.OfStaff 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	: Photo Gallery.





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**Problem Solving**

Name of the Department	: PG Chemistry
Title of the Event	: HPLC Model
Date	: 24-08-2017
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 principle, instrumentation and applications of HPLC
<u>Plan and Execution</u>	: Students gathered in chemistry lab and explained in detailed about working of HPLC.
<u>Outcome of the Event</u>	: Students gained knowledge about working principle of HPLC and its applications in industry.
Evidences	: Photo Gallery.

