

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	2019-20	4	15	3	22	



HINDU COLLEGE, GUNTUR Main Road,
Opp. Sri Venkateswara Vignan Mandir, Guntur-522003
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	:	12-10-2019 to 20-10-2019
Venue	:	Chemistry Practical Lab – I
Co-Ordinators	:	Dr.E.H.V.Subhashini & Dr.J.Umamaheswara Rao
No.of Staff Members Involved	:	02
No.of Students Involved	:	30
Objective of the event	:	(1) To identify the nature of binary mixture given by using systematic procedure for separation analysis. (2) To analyse the organic compounds into separate compounds.
Plan and Execution	:	Chemicals required such as Diethyl ether saturated sodium bicarbonate, sodium hydroxide etc. were arranged. Weighing machine, water bath and other chemicals were procured.
Outcome of the Event	:	Students learnt how to separate the organic binary mixtures using different types of solvents and confirmed the components.
Evidences	:	Photo Gallery





HINDU COLLEGE, GUNTUR Main Road,
Opp. Sri Venkateswara Vignan Mandir, Guntur-522003
STUDENT CENTRIC METHODS
2.3.1 (Q_{LM})

Experiential

Name of the Department	:	Chemistry (PG)
Title of the Event	:	Laboratory Session conducted by on Inorganic Salt mixture analysis.
Date	:	23-03-2019 to 03-04-2019
Venue	:	Chemistry Laboratory, Hindu College
Co-Ordinators	:	Dr. A.R.K. Prasad Dr.P.N.Pramila Rani
No.Of Students Members Involved	:	02
No.Of Students Involved	:	28
Objective of the Event	:	To Develop Practical knowledge about separate and detect cations and anions in a Sample Substance
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 practical and separate the cations and anions.
Evidence	:	Photos





HINDU COLLEGE, GUNTUR Main Road,
Opp. Sri Venkateswara Vignan Mandir, Guntur-522003
STUDENT CENTRIC METHODS
2.3.1 (Q_{LM})

Experimental

Name of the Department	:	P.G Chemistry
Title of the Event	:	Laboratory Session on Binary Mixture Separation
Date	:	02-12-2019 to 10-11-2019
Venue	:	Chemistry Practical Lab – I
Co-Ordinators	:	Dr.E.H.V.Subhashini & Dr.J.Umamaheswara Rao
No.of Staff Members Involved	:	02
No.of Students Involved	:	28
Objective of the event	:	(1) To identify the nature of binary mixture given by using systematic procedure for separation analysis. (2) To analyse the organic compounds into separate compounds.
Plan and Execution	:	Chemicals required such as Diethyl ether saturated sodium bicarbonate, sodium hydroxide etc. were arranged. Weighing machine, water bath and other chemicals were procured.
Outcome of the Event	:	Students learnt how to separate the organic binary mixtures using different types of solvents and confirmed the components.
Evidences	:	Photo Gallery





HINDU COLLEGE, GUNTUR Main Road,
Opp. Sri Venkateswara Vignana Mandir, Guntur-522003
STUDENT CENTRIC METHODS
2.3.1 (Q_{LM})

EXPERIENTIAL LEARNING

Name of the Department`	: PG Chemistry
Title of the Event	: Educational Tour to Hogenakkal,Ooty, Mysore,Veluru.
Date	: 26-01-2020 to 01-02-2020
Co-ordinator	: Dr.E.H.Vijaya Subhashini
No.of Staff Members Involved	04
No.of Students Involved	: 40
Objective of the event	: To develop awareness on production of Anti-Rabies Vaccine and DPT group of Vaccines and motivate students towards research activities To gain knowledge and awareness of different historical places, places of scenic beauty Student gained knowledge about the development of bacterial Vaccine. They could understand about different processes involved in quality control department
Plan and Execution	: 26-01-2020:- Hogenakkal water falls,crocodile rehabilitation centre , Krishna giri Dam. 27-01-2020:- Pyakara waterfalls,9th mile, 6 th mile shooting spot,Kam Rajsagar Dam. 28-01-2020:-Pasteur Institute of India Coonoor,Ooty Botanical gardens. 29-01-2020:- Tea Museum & Tea factory,Chocolate Factory, Bandipura forest. 30-01-2020:- Chamundi Hills,Mysore Maharaja palace, Sri Chamarajendra Zoological park. 31-01-2020:- Brundavan garden,Shiva Samudram water falls, Soap factory,Iskon temple,Bangalore.
Outcome of the Event	: Student gained knowledge about the development of bacterial Vaccine. They could understand about different processes involved in quality control department
Evidences	: 1) Photo Gallery 2) Tea Factory visited certificate





Doddabetta Tea Factory And the Tea Museum



INDUSTRIAL VISIT CERTIFICATE

This is to certify that students of HINDU COLLEGE PG COURSES
DEPARTMENT OF CHEMISTRY, GUNTUR.

visited The Doddabetta Tea Factory and the Tea Museum on 06.02.2020.
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 : 06.02.2020



Authorised Signatory

Adm. Office : 16-B, Nankem Hospital Premises, Coonoor - 643 101, The Nilgiris. Phone : (0423) 2231679
Mobile : 94430 30520 / 94434 18000 www.teamuseum-india.com e-mail : tmuseumdtf@rediffmail.com

PARTICIPATIVE LEARNING

Name of the Department`	: Chemistry (PG)
Title of the Event	: Science Expo on Modern Analytical Techniques
Date	: 09-04-2020
Venue	: Hindu College, Amaravathi road,Guntur
Co-ordinator	: Dr. E.H.V Subhashini
No.of Staff Members Involved	07
No.of Students Involved	100
Objective of the event	: To understand essential chemical and physical principles for analytical chemistry.
Plan and Execution	: Science Expo on modern analytical techniques planned for One day and inaugurated by secretary, Hindu College, Guntur. Experimental techniques open for audience to visit
Outcome of the Event	: Students had gained the knowledge on chromatograpgy techniques and it it use in defferent fields
Evidences	: Photos



LIST OF THE STUDENTS PARTICIPATED SEMINAR ::

S.NO	NAME OF THE STUDENT	SEMINAR TOPIC
1	BATHULA SAI TEJA	Morphine – Structure & synthesis
2	CHALAMALAPALLI GEETHA NAGAMANI	Applications of NMR Spectroscopy
3	CHALLA DEVI	ESR Spectroscopy
4	CHERUKURI ASHOK	Ergotamine - Structure and Synthesis
5	CHINNI RAMADEVI	Per Hydroxylation
6	CHINTHALAPUDI SREEKANTH	Trans effect in coordination compounds
7	DASARI POOJA	Elimination Reactions
8	SHULIPALLA SRINIVASARAO	Penicillin – structure & Synthesis
9	DUMPALA RAJESWARI	Taxol Synthesis
10	INAKOLLU NAGAVENU	Crystal field theory
11	KOLLI RAMANJANEYULU	Perkin and Cannizaro Reactions
12	KOMARAGIRI GOPI	Neighboring Group Participation
13	LINGALA JANAKI RAMUDU	Cephalosporin Structure & Applications
14	MALLELA SAI KRISHNA	Motion of Molecules
15	MORABOINA KOTI ANJANEYULU	Born oppenheimer approximation







HINDU COLLEGE, GUNTUR Main Road,
Opp. Sri Venkateswara Vignan Mandir, Guntur-522003
STUDENT CENTRIC METHODS
2.3.1 (Q_{LM})

Problem Solving

Name of the Department : PG Chemistry

Title of the Event : Medicinal Plants & Drugs.

Date : 11-12-2019

Venue : Seminar Hall, Hindu College.

Co-Ordinator : Dr.E.H.Vijaya Subhashini

No.of Staff Members involved : 03

No.of Students Involved : 28

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 “Analytical Techniques” used for separation of identification of compounds 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 the put what they we learned into practice.

Evidences : Certificate, Photo Gallery.



HINDU COLLEGE, GUNTUR

Certificate of participation [2018-2020]

This is to certify that Mr/Ms CHERUKURI ASHOK has participated and well performed in Quiz competition held on 11-12-2019 by Department of Chemistry (PG), Hindu College, Guntur.

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

DIRECTOR
Dr.J.Umamaheswara Rao
Hindu College
Director
Hindu College,Guntur



HINDU COLLEGE, GUNTUR

Certificate of participation [2018-2020]

This is to certify that Mr/Ms CHINTALAPUDI SREEKANTH has participated and well performed in Quiz competition held on 11-12-2019 by Department of Chemistry (PG), Hindu College, Guntur.

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

DIRECTOR
Dr.J.Umamaheswara Rao
Hindu College
Director
Hindu College,Guntur



HINDU COLLEGE, GUNTUR Main Road,
Opp. Sri Venkateswara Vignanam Mandir, Guntur-522003
STUDENT CENTRIC METHODS
2.3.1 (Q_LM)

Problem Solving

Name of the Department	: PG Chemistry
Title of the Event	: Models on Chromatographic Techniques
Date	: 04-03-2020
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 Column, TLC and paper chromatography.
<u>Plan and Execution</u>	: Students gathered in chemistry lab and explained in detailed about TLC, Paper and column chromatography
<u>Outcome of the Event</u>	: Students gained knowledge about principle of TLC, paper and Column Chromatography and its applications in industry.
Evidences	: Photo Gallery.





