

TEACHER'S ACTIVITY REPORT 2018 - 2019
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FACULTY: Science DEPARTMENT/COMMITTEE: Chemistry IQAC: SVC/2018-19/CHEM/SK/1

NAME OF THE ACTIVITY: "LAB ROTATION"			
DATE:	FACULTY:	DEPARTMENT/COMMITTEE	COORDINATOR NAME
29 th March 2019	Science	Chemistry	Dr. Sanjay Kumar
TIME	VENUE:	NUMBER OF PARTICIPANTS:	NATURE: Outdoor/Indoor
10 AM	Sri Venkateswara College	30	Indoor
SUPPORT/ASSISTANCE:	DBT Star College		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. - III, VI):

TOPIC/SUBJECT OF THE ACTIVITY	"LAB ROTATION": EXPERIMENTS AND INNOVATIONS IN CHEMISTRY, BIOCHEMISTRY AND ELECTRONICS
OBJECTIVES	<ul style="list-style-type: none"> To develop critical thinking. 'Hands-on' experience to give students the maximum exposure to the new developments in the field of pure and applied sciences. To emphasize on the importance of science in daily lives and experiential learning to develop interest in the subject.
METHODOLOGY	Experiments in the Chemistry Laboratory along with the handling of instruments such as pH meter.
OUTCOMES	<ul style="list-style-type: none"> Students learned the concept of pH and determined the pH of various shampoos and interpreted which one was least acidic or alkaline, and hence appropriate for hair. They also prepared biodiesel with vegetable oil keeping futuristic approach in mind of less expensive, renewable and clean burning fuel.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters	Student list of participation	Activity report <input checked="" type="checkbox"/>	Photos <input checked="" type="checkbox"/>	Feedback form
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Feedback analysis	News clip with details	Certificate	Any other	
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IQAC Document No:	Criterion No:	Metric No:
Departmental file no	IQAC file No;	

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Sanjay Kumar		DR. N. Latha

For Reference

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

Report
on
Lab Rotation
under 'DBT STAR PROJECT'

Department of Biotechnology (DBT), Government of India has launched a 'STAR PROJECT' to develop critical thinking and 'hands-on' experience to give students (30) the maximum exposure to the new developments in the field of pure and applied sciences.

Under this project, learners of Grade XII (Science) visited Sri Venkateswara College, University of Delhi on 29th March' 2019, Friday accompanied by Ms. Sonal Singla and Ms. Bhavika Awasthi.

The workshop started with an inaugural lecture by Dr. P. Hemalatha Redddy, Principal of Sri Venkateswara College in which she emphasized on the importance of science in daily lives and experiential learning to develop interest in the subject.

The spark for experiential learning was triggered by performing experiments in the Chemistry Laboratory. They determined pH of various shampoos and interpreted which one was least acidic or alkaline. They also prepared biodiesel with vegetable oil keeping futuristic approach in mind of less expensive, renewable and clean burning fuel.

They further had a hands-on experience in the field of Biochemistry as they performed Thin Layer Ion Exchange Chromatography where they separated the plant pigments. They also

performed DNA Gel Electrophoresis in which they saw the movement of DNA in the presence of electric field.

Following this the learners had a wide exposure to electronics as it is a vital component in today's tech- savvy world. They studied amplitude modulation and measured the unknown frequency of an AC signal. They understood the working of Van De Graff Generator and experienced the generation of electric current. The day was finally concluded with a demonstration of drone in the fields of the college.

All the experiments were performed under the able guidance of experienced faculty of the college. Learners had a great learning experience and got a wide exposure to new innovations in the various fields of sciences.









SRI VENKATESWARA COLLEGE
(University of Delhi)

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Principal
Sri Venkateswara College

IQAC Coordinator

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Department of Zoology

Dr. Shruti Mathur
Department of Commerce

Dr. Padma Priyadarshini
Department of Sociology

Dr. Nimisha Sinha
Department of Biochemistry

Shri D. Venkat Ramana
A.O(I/C)

This is to certify that the Activity report (Teacher/Department /Society/Association) has been submitted for documentation to IQAC, Sri Venkateswara College, University of Delhi.

N. Latha

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