### TEACHER'S ACTIVITY REPORT 2016 - 2017.

FACULTY: Science DEPARTMENT- Mathematics Association-Trisectrix

IQAC Activity No-SVC/2016-17/MATH/SOC/2

NAME OF THE ACTIVITY: Seminar			
DATE:	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME
27 Sep 2016	Mathematics	Mathematics Association- Mr. Sudhakar Yadav	
		Trisectrix	
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor
11 a.m.	Seminar Hall	100(Approx.)	Indoor
SUPPORT/ASSISTANCE:	SVC, DU		

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

TOPIC/SUBJECT OF	Seminar on "Applications of Graph Theory" by Prof (Dr) Andreas M. Hinz
THE ACTIVITY	(Professor of Mathematics, Ludwig-Maximilians University, Munich, Germany)
OBJECTIVES	Graph Theory is used in a wide range of scientific and technological fields. The shortest path in a road or a network is determined using graph theory. Various locations are represented as vertices or nodes, and highways are represented as edges, with graph theory being used to discover the shortest path between two nodes in Google Maps. Circuit connections are designed using graph theory. In addition, graphs are useful in the construction of molecular structure as well as lattice of the molecule. Collaboration graphs are used to determine whether two people collaborate in a certain manner, such as acting in a film together. Nodes in biological networks denote bimolecular entities such as genes, proteins, or metabolites, and edges connecting these nodes signify functional, physical, or chemical relationships between the respective bimolecular. So the objective was to enlighten the students with the applications of Mathematics in different areas.
METHODOLOGY	Prof (Dr) Andreas M. Hinz (Professor of Mathematics, Ludwig-Maximilians University, Munich, Germany) was invited by the Department for 1 day seminar.
OUTCOMES	The students enjoyed the seminar and gained a lot of knowledge about the usage of Graph Theory in solving many real life problems.

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

Notice & Letters	Student list of participation	Activity report√	Photos√	Feedback form
Feedback analysis	News clip with details	Certificate	Any other	

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)
Mr. Sudhakar Yadav	Ms. Shakuntla Wadhwa	

#### 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		





Activity Report Department of Mathematics conducted an informative talk seminar on "Graph Theory". Prof (Dr) Andreas M. Hinz (Professor of Mathematics, Ludwig-Maximilians University, Munich, Germany) was invited to interact with the students. More than 100 students attended the seminar along with the faculty of Department of Mathematics.



## SRI VENKATESWARA COLLEGE (University of Delhi)

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Dr. Nimisha Sinha Department of Biochemistry

Shri D. Venkat Ramana A.O(1/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.

Nº Latha

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