

TEACHER'S ACTIVITY REPORT : 2020 – 2021

FACULTY: Science

DEPARTMENT/ COMMITTEE: PHYSICS

IQAC ACTIVITY No: SVC/2020-2021/Physics/1

NAME OF THE ACTIVITY: Science Fest

DATE	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME
06 Mar 2021	Science	Physics, Principia The Physics Society	Dr. Garima Saxena (Convener) Dr. K. Chandramani Singh (TIC)
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE : OUT/IN – DOOR
12:15PM – 4:00 PM	Microsoft Team	B.Sc. Hons. All Years : 100 Faculty : 10	Online

Support/Assistance	Sri Venkateswara College
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BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. II, III, VII):

TOPIC/SUBJECT OF THE ACTIVITY	<p>Educational Lecture by Distinguished Scholars.</p> <ol style="list-style-type: none"> 1. Solar Astrophysics by Prof. Dipankar Banerjee 2. Black holes and the sound of Gravity by Prof. Patrick Das Gupta
OBJECTIVES	<ol style="list-style-type: none"> 1. To introduce students with the Active area of research in Astronomy and Astrophysics and update their awareness of various experiments ongoing/proposed in India as well as worldwide studying Astrophysics in general and Solar Astrophysics in particular. 2. Introduction to Black-hole physics and collapse of black holes producing Gravitational wave which would travel extra-terrestrial large distance to reach to earth to be detected at LIGO experiments, further prospects and India's ambition in the study of gravitational waves.
METHODOLOGY	Powerpoint presentation with oral discussion used.

OUTCOMES	<p>Speakers :</p> <p>1. Prof Dipankar Banerjee Director, Aryabhata Research Institute of Observational Science (ARIES)</p> <p>Speaker introduced students about intricate concepts of observational astrophysics. He discussed various optical, radio and x-ray observational astronomy and facilities available in India and worldwide in general and in Indian Institute of Astrophysics and Aryabhata Research Institute in particular. He then discussed various observational aspects of Sun and modeling of a star like sun.</p> <p>2. Prof. Patrick Das Gupta Department of Physics, University of Delhi</p> <p>Gravitational waves are 'ripples' in space-time caused by some of the most violent and energetic processes in the Universe. The strongest gravitational waves are produced by cataclysmic events such as colliding black holes, supernovae (massive stars exploding at the end of their lifetimes), and colliding neutron stars. Speaker gave a fantastic overview of motivation, effort, enthusiasm and patient in building the LIGO experiment to detect gravitational wave. The Laser Interferometer Gravitational-Wave Observatory (LIGO) is a large-scale physics experiment and observatory designed to detect cosmic gravitational waves and to develop gravitational-wave observations as an astronomical tool. He also briefly discussed Black holes, their unavoidable existence theoretically (General Theory of Relativity) as well as observationally. Their physical properties and their role in first detection of Gravitational waves.</p>
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PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters (Poster) : YES	Student list of participation	Activity report	Photos : YES	Feedback Form
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Feedback Analysis	News Clip with Details	Certificate	Any Other (Booklet)	
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IQAC Document No:		Criterion No:	Metric No:
Departmental file no :		IQAC file No;	
NAME OF TEACHER(S) & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)	
Prof. C. Sheela Reddy (Principal) Dr. K. C. Singh (TIC) Dr. Garima Saxena (Convener)	Dr. K. C. Singh (Teacher-in-Charge) Department of Physics	Dr. N. Latha IQAC Coordinator Sri Venkateswara College	

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 Infrastructu		

Proofs :* Activity Report



SRI VENKATESWARA COLLEGE
(University of Delhi)

PRINCIPIA, THE PHYSICS SOCIETY

		March 6th, 2021	
		<i>Program Schedule</i>	
Chairperson			
Prof. C. Sheela Reddy Principal Sri Venkateswara College	12.15 pm	Inauguration	
Head of Department	12.20 pm	Principal's Address	
Dr. Kongbam C. Singh (Department of Physics)	12.30 pm	HOD's Address	
Convener	12.35 pm	Introduction of Prof. Dipankar Banerjee	
Dr. Garima Saxena (Department of Physics)	12.40 pm	Educational Lecture by Prof. Dipankar Banerjee	
	01.40 pm	QnA	
	02.00 pm	Vote of thanks and BREAK	
	02.30 pm	Introduction of Prof. Patrick Das Gupta	
	02.35 pm	Educational Lecture by Prof. Patrick Das Gupta	
	03.35 pm	QnA	
	03.50 pm	Vote of Thanks & Closing Session	

* Booklet (If Any)

* Poster of the Event



Prof. Dipankar Banerjee
Director
Aryabhata Research Institute of
Observational Sciences (ARIES)

Solar Astrophysics

"Dip your toes to know about the star next door; our Sun"

Platform: Microsoft Teams
Date: 6th March 2021
Time: 12:15pm

Registration Link:



Prof. Patrick Das Gupta
Department of Physics and
Astrophysics
University of Delhi

Black holes and the Sound of Gravity

"Embark on the journey to witness the birth of gravitational waves from the mighty collision of black holes"

Platform: Microsoft Teams
Date: 6th March 2021
Time: 02:30pm

Registration Link:
<https://forms.gle/wn7pHx7r2fXiiX589>

principle
The Physics Society
Sri Venkateswara College

* Poster of Special event if any

* Program Schedule

* Feedback Form

* Feedback Highlights

* Photo Gallery

* Certificate

Attendance of Participants

ACTIVITY:

Time: 2:15PM – 04:00PM

Date: 06 March 2021

Venue: Sri Venkatesawara College

Criterion No: II/ III/ V/ VII

S. No.	Tier	Name	Affiliation
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S. No.	Name of Faculty	Designation
1	Dr. Renu Jain	Associate Professor
2	Dr. Pratima Vyas	Associate Professor
3	Dr. A. K. Chaudhary	Associate Professor
4	Dr. K. C. Singh	Associate Professor
5	Dr. Narender Kumar	Assistant Professor
6	Dr. Anant Pandey	Assistant Professor
7	Dr. Manoj Giri	Assistant Professor
8	Dr. Garima Saxena	Assistant Professor
9	Dr. Ram Lal Awasthi	Assistant Professor
10	Dr. Chandrabhan Dohre	Assistant Professor

List of Guests / Volunteers coming to Sri Venkateswara College for(name of event)..... event organised by Department of Physics, SVC.

S. No.	Name	Affiliation	Talk and
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