

TEACHER'S ACTIVITY REPORT : 2018 – 2019

FACULTY: Science

DEPARTMENT/ COMMITTEE: PHYSICS

IQAC ACTIVITY No: SVC/2018-2019/PHYSICS/ SOC/2

NAME OF THE ACTIVITY : Science Fair

DATE	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME
28 Feb 2019 – 01 March 2019	Science	Physics, Principia Physics Society	Dr. Garima Saxena (Convenor) Dr. Renu Jain (TIC)
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE : OUT/IN – DOOR
9:00 AM – 5:30 PM	Auditorium	Students of B.Sc. (Hons) All years : 80 Faculty : 11	Indoor + Outdoor

Support/Assistance	Sri Venkateswara College, University of Delhi
--------------------	---

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. II, III, VII):

TOPIC/SUBJECT OF THE ACTIVITY	Science Fair and Excursion to IUAC New Delhi.
OBJECTIVES	Day1: T-Shirt Redesigning, Model Making, IUAC Visit Day2: Sci-Tales
METHODOLOGY	Day1: T-Shirt Redesigning competition was organised by Indian School of Design and Innovation Mumbai, with theme “Sustainability”. Students from various institutions took part in model making. Ten students of Department of Physics led by Dr. Anant Pandey visited IUAC and interacted as well as had a scientific lecture by Prof. Ajoy Ghatak. Day2: Cleave of science and story telling with an on-the-spot competition. Students from various institutions and departments participated.

OUTCOMES	Scientific enlightenment and encouraging conversation and competitions.
----------	---

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

Notice & Letters (Poster) :	Student list of participation	Activity report	Photos : Yes	Feedback Form
Feedback Analysis	News Clip with Details	Certificate	Any Other (Booklet)	

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)
---	---	--

Dr. Garima Saxena (Convenor) Dr. Renu Jain	Dr. Renu Jain (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 Infrastructure		

From the President's Desk

Annual Report



Shivika Walia
President, The Physics Society

If Mathematics is the language of the universe, then Physics is a poem. If Mathematics is the heart, then Physics is the soul. One of the main reasons why most people are intrigued by Physics is due to its mind boggling ability to explain almost everything happening around us. Why is the sky blue? Rayleigh scattering. Why is water wet? It isn't until you touch it. The list of questions, and their respective answers can go on forever. At the same time, a plethora of questions have had people scratching their heads for quite some time now.

Are we the only living beings in the universe? Is time travel possible?

Physics is perhaps one of the only fields that takes into account, all the other sciences, juxtaposing varied facts and numbers to explain the most complex everyday phenomena.

Having realized the power of studying this subject, I decided to join this journey of being a student of Physics(H) in Sri Venkateswara College. On the very first day of mine in this college, I decided to actively participate in all the activities of the department and took charge as the Joint Secretary of the department followed by Vice President in the 2nd year and then having learnt all the duties under my seniors and the expert guidance of my teachers, I was chosen as the President of the Society.

Hence, I would like to take this opportunity to express my gratitude to the people who were responsible for the journey that I as an individual and the Physics society as a whole have made in the past 3 years. I would like to thank Respected Principal, Dr. P. Hemlata Reddy for her restless efforts of encouraging interdisciplinary science education and showing us the right path and also our Head of the Department 2018-19, Dr Renu Jain, who has been our pillar of support, not just when it comes to Physics but also in other walks of life. I would also like to thank our Convenors of the society Dr. Manoj Giri and Dr. Garima Saxena for their undeterred support and guidance. I also extend a heartfelt thanks to our staff Advisor Dr. Piyush Kumar Prashar who joined in August 2018 and from the very beginning, left no stone unturned in encouraging not only me,

Proof but every student, to get involved in the activities of the Department. Last but not the least, I would like to thank everyone from the Physics Department - teachers, Lab Staff, students, alumni and the College for helping in all the activities, including the forging of this magazine.

S : For a wonderful start to the year 2018-19, on 10th of August, 2018, the Physics society conducted its investiture ceremony with an inaugural lecture by Dr. K.J. Ramesh, Director General of the Indian Meteorological Department, who enlightened us in the field of Atmospheric Sciences and Monsoon dynamics. On 25th September, 2018, a workshop on Digital Forensics was organized where Mr. Omveer Singh, director/scientist 'F' at CERT-IN made the students aware about Cyber Forensics, Imaging Analysis and also hands on session on the above mentioned topics.

Activ I would now take the opportunity to list the achievements and immense amount of potential displayed by our students.

ity Students from our department displayed multifaceted talent throughout the academic year. The likes of the same included Ishita Chaturvedi(III yr.), who worked on multiple projects, including 'Detection of Radio Transient Events in real time using GMRT' and organizing events like Indian National Space Settlement Design Competition and Asian Regional Space Settlement Design Competition. Her achievements also include an internship, 'Think Robots', where she wrote Arduino based codes as a project to introduce school students to coding and robotics using a hands on approach. Sanchi Virmani(III yr.) interned on the topic 'Projectiles and proposing a design for its launch' and also attended a workshop on nanomaterial synthesis, also being a part of the Western Music society of our college. Tanushree(II yr.) attended multiple workshops ranging from Nanomaterials and it's applications to Forensics and attended interactive seminars, including an interaction with CERN scientists at Miranda House College. Bharti Ojha(II yr.) participated in TERI-NCSTC Eco Eureka training in December 2018.

Repo Outside academics, our students actively participated in a plethora of extra curricular events. Suraj Bhambhani (III yr.) a member of the SVC pistol shooting team, won brought home many laurels, including a gold medal at the Inter College Pistol Shooting Competition 2018-19 at Hansraj College, a silver medal each at Delhi State Shooting Competition in 10m Air Pistol and North Zone Shooting Championships in 50m Free Pistol. He also held the National Rank of 8 in Free Pistol in 2018. Rochi (II yr.) won meritorious awards in SCUDEM organized by Department of Mathematics and attended various seminars and talk sessions on cosmology. Soumendra Goswami(III yr.) is the President of Alaap-The Indian Music Society of SVC. Radhika Juglan(II yr.) is also a member of Alaap and recently completed five years as a student of Prayag Sangeet Samiti, Allahabad University. Tamanna(II yr.) is an active member of Fine Arts Association alongside Principia. Divyanshu, the Vice President of Principia, is also the member of the English Debating Society since the very first year. Lalit from 2nd Year was a part of Verbum while Riya was a part of Leonci. Aditi, Sejal and Shriya from 2nd Year have been a part of NSS.

The latest string of alumni from the Physics Department did our college proud by continuing their education in prestigious institutions. Shaoni Kar got into University of Cambridge, a university that has produced greats like Sir Isaac Newton and

Dr Stephen Hawking. Puneet Parekh got into IIT Delhi while Sonia Rani, Abhilash Ranjan, Prakhar Sharma got into IIT Bombay. Ankit Khandelwal continued his education at IISc Bangalore while Mehul Jotshi is now at Freie Universität, Berlin. Chirag is pursuing Astronomy and Astrophysics at Tuebingen University, Germany. Ankit Dulat made it to TIFR. Many students including Kanika, Shashi, Vikram, Abeer Arora and Geetansh Arora are pursuing their education from Delhi University itself.

On the eve of National Science day, 28th February, 2019. The college decided to have science fair on 28th February and 1st March, 2019 which was marked by the auspicious commencement of the day and related events where in students of Department of Physics took active participation and acquired commendable fields within the realm of competitiveness.

Day 1 was marked by T-shirt Redesigning competition organized by Indian School of Design and Innovation (ISDI) Mumbai in our college. The theme given to participants was Sustainability. As a visible proof to the sheer determination and enthusiasm, students of Department of Physics namely Nidhi and Aarushi (I yr.) came 1st in the competition, closely followed by Gunjan and Srishiti (I yr.) as 3rd position holders. Second event was a Model Making Competition, where in many students of various institutions took part, making it competitive and equally exuberant. Ishita of 3rd year batch won 1st prize in the following event with her model being centered on 'Detecting Radio Transient Events in Real Time'. The atmosphere was ingrained with challenging minds with astonishing ideas drafted into a model for display. This event saw test of her perseverance, making the Department of Physics proud in the process. Various other students also participated in the model making competition namely Shanu, Rudraksh, Ravi and Aakash with commendable model presentations.

Ten students of Department of Physics led by Dr. Anant Pandey went to attend the rare yet exemplary, real time talk with renowned Prof. Ajoy Ghatak at Inter-University Accelerator Centre (IUAC). There the students discovered various essential tech based on application of physics like Linac, XRD and Neutron Detector. It was a perfect amalgamation of enthusiasm and curiosity with Prof. Ghatak being magnificent in explaining the concepts and working of the recipient technologies. On the same day, our Department of also coordinated with the college administration to attend a mesmerizing Shanti Swaroop Bhatnagar Prize for Science and Technology function. Being one of a kind, this event was graced by our honorable Prime Minister Shri Narendra Modi.

The students were led by our honorary Principal of Sri Venkateswara College Dr. P. Hemalatha Reddy accompanied by Head of Department of Physics Dr. Renu Jain. This function being of such importance will remain forever as a good memory of the journey of our department. Last but not the least, an event of Science Quiz witnessed active participation of Physics students in the realm of quizzing. 3rd year students namely Suraj and Aakash with others namely Ravi appeared as champs bagging the 2nd prize to their sleeve along with Radhika and Ravi being the active participants till they laid down their swords.

Day 2 was also full of exciting events. Amongst them, the Scitales was an important chapter. This event, organized by Department of Physics, was a cleave of Science and Storytelling with being an on-the-spot competition. Panel of

judges was graced by Dr. H. C. Tandon from Department of Chemistry, Dr. Garima Saxena from Department of Physics and Dr. Vertika Mathur from Department of Zoology. In this heated event participants along with judges and fellow audience shared chuckles and skills of storytelling. Being an event, there must be a winner, a criteria fulfilled by Tushar Jawalia (III yr.) being victorious followed by Ishita and Krishit sharing the 2nd prize together. With these kind of events, the history is written and the glory days are remembered, for good and for all.

In conclusion, I would like to thank all my team members for their exceptional help and support without whom this edition of "Quintessence" could not have come into existence, and I hope that this journey has sparked zeal and enthusiasm in the minds and hearts of my juniors to continue this tradition with all their efforts and sincerity.

"Everything is energy and that's all there is to it. Match the frequency of the reality you want and you cannot help but get that reality. It can be no other way. This is not Philosophy. This is Physics."

-Albert Einstein

* Booklet (If Any)

* Poster of the Event

* Poster of Special event if any

* Program Schedule

* Feedback Form

* Feedback Highlights

* Photo Gallery



* Certificate

SRI VENKATESWARA COLLEGE



SCIENCE FEST ' 19

Certificate Of Participation

This is to certify that .Arushi° Rawat has participated in "SCITALES: Science Fiction Story Telling Competition" organized by Department of Physics, Sri Venkateswara College, University of Delhi during Science Fest held on 1st March 2019.

DR. P. HEMALATHA REDDY
PRINCIPAL

Attendance of Participants

ACTIVITY: Science Fair

Time: 9:00. am – 5:30 pm

Date: 28 Feb – 01 Mar, 2019

Venue: Sri Venkatesawara College

Criterion No: II/ III/ V/ VII

S. No.	Tier	Name	Affiliation
1			
2			
3			
4			

5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

S. No.	Name of Faculty	Designation
1	Dr. B. V. G. Rao	Associate Professor
2	Dr. Renu Jain	Associate Professor
3	Dr. Pratima Vyas	Associate Professor
4	Dr. A. K. Chaudhary	Associate Professor
5	Dr. K. C. Singh	Associate Professor
6	Dr. Narender Kumar	Assistant Professor
7	Dr. Anant Pandey	Assistant Professor
8	Dr. Manoj Giri	Assistant Professor
9	Dr. Garima Saxena	Assistant Professor
10	Dr. Piyush Parasar	Assistant Professor
11	Dr. Ravinder Goyal	Guest Faculty
12	Dr. Alok Ji	Guest Faculty

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 Momento

Student Attendance List (Year – Year)

S. No.	College Roll No	Name