

3.7.1 Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

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Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration	Nature of the activity	Link to the relevant document	CI
Quantum Technologies	TIFR Mumbai	Aditi Sen (De)	2020	June, 2020.	Vigyan Vidushi programme	https://youtu.be/bfoJwRylwKY	HRI
Quantum Technologies	Jawahar Navodaya Vidyalaya, Bir	Aditi Sen (De)	2020	August/20	Vigyan Jyoti Programme(DST)	https://www.youtube.com/watch?v=4sKVwt8kf8	HRI
Quantum communication Network	IBM	Aditi Sen (De)	2020	September/20	Qiskit YouTube Quantum Seminar series	https://www.youtube.com/watch?v=GvnuZD95mdU	HRI
Quantum Technologies	Susil Kar College, Kolkata	Aditi Sen (De)	2020	September/20	National Webinar on "Harnessing Quantum Weirddness: Towards New-Age Technologies	https://www.youtube.com/watch?v=bE6aH63MieQ	HRI
Aspects of Quantum Technologies	SEmbassy of India in Russia	Aditi Sen (De)	2020	October/20	Indo-Russia webinar	https://www.youtube.com/watch?v=xdBz45xKcZM	HRI
Quantum Technologies	NIT Sikkim	Aditi Sen (De)	2020	October/20	Faculty Development Program on Quantum Information and Computation	https://www.youtube.com/watch?v=lhuK_2q6waY	HRI
Quantum Technologies	KSCSTE-Kerala School of Mathematics	Aditi Sen (De)	2020	December/20	Conference on "Recent advances in Mathematics and related areas	https://www.youtube.com/watch?v=mKaz9tHDuEw	HRI
Quantum Technologies	IPA	Aditi Sen (De)	2021	March/21	Webinar series for celebrating 50 years of Indian Physics Association	https://www.youtube.com/watch?v=B9N08Pwb2Fk	HRI
Recent Trends in Communication	Christ Church College	Aditi Sen (De)	2021	March/21	NASI organized webinar on Quantum Technologies	https://www.youtube.com/watch?v=B9N08Pwb2Fk	HRI
Quantum Technologies	Indian Institute of Tropical Meteorology	Aditi Sen (De)	2021	March/21	Prof. R. Ananthkrishnan' Colloquium	https://www.youtube.com/watch?v=3cLKZ7Rioc4	HRI
Conservation of Quantum Information	IIT Gandhinagar	Arun Kumar Pati	2020	October/20	Physics online colloquium	https://www.tropmet.res.in/static_pages.php?page_id=3049	HRI
Cutting Rules and Unitarity (Violation) in D-instanton Amplitudes	IIT Madras	Ashoke Sen	2020	October/20	The dual mysteries of gauge theories and gravity	https://www.youtube.com/watch?v=rmffjqJEtC8	HRI
How to compute string amplitudes	Kavli Asian Winter School (KAWS) on Strings	Ashoke Sen	2021	January/21	Kavli Asian Winter School (KAWS) on Strings, Particles and Cosmology, Beijing,	https://www.youtube.com/watch?v=fmsDif4R4MM	HRI
4 lectures on D-instanton Perturbation Theory	Sao Paolo	Ashoke Sen	2020	June/20	SAIFR	https://www.youtube.com/watch?v=xxABQE7sx4	HRI
D-instanton Amplitudes	ICTS Bangalore	Ashoke Sen	2021	February/21	Webinar	https://www.youtube.com/watch?v=hWRt-65ADhE	HRI
D-instanton Amplitudes in String Theory	Paris Area Seminar	Ashoke Sen	2021	February/21	Webinar	https://www.youtube.com/watch?v=V-hu18URUvs	HRI
D-instanton Amplitudes in String Theory	London Area Seminar	Ashoke Sen	2021	March/21	Webinar	https://www.youtube.com/watch?v=eucEoVnJdZo	HRI
3 lectures on D-instanton Amplitudes in String Theory	KIAS Seoul	Ashoke Sen	2021	March/21	Webinar	https://www.youtube.com/watch?v=kgewwidaDag	HRI
Invited talk on "A Problem of A. Sarkozy"	IMSc Chennai	D Surya Ramana	2021	March/21	Conference titled "Balu Fest"	https://www.youtube.com/playlist?list=PLhkit_RYTEU1B5UEC75d30rdARvhVnTfe	HRI
Invited talk on "3 by 3 magic squares and A.P. in rational points on elliptic curves"	Pi Institute, Chennai	R. Thangadurai	2020	December/20	Ramanujan Birthday Seminar	https://www.youtube.com/watch?v=Zg35JAthd5s	HRI
Linear Independence of Special Values of Jacobi Theta Constants		R. Thangadurai	2021	March/21	Balu 70 Number Theory Fest	https://www.youtube.com/playlist?list=PLhkit_RYTEU1B5UEC75d30rdARvhVnTfe	HRI