

**Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the current year (INR in Lakhs)**

Name of the Principal Investigator/ Co Investigator	Name of the Funding agency	Type (Government/Non-Government)	Department of Principal Investigator/ Co Investigator	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Dr. Mohan Singh Mehata	SERB-DST	Government	Applied Physics	2017	62.17134	3 and half years
Dr. Mohan Singh Mehata	DST-RFBR	Government	Applied Physics	2017	19.752	2 years
Dr. Vinod Singh	All India Council for Technical Education	Government	Department of Applied Physics	2020	14.08 Lakhs	2020-2023
Dr. Vinod Singh	Delhi Technological University	Government	Department of Applied Physics	2019	4.85 Lakhs	2019-2021
Dr. Renuka Bokolia	Delhi Technological University	Government	Applied Physics	2019	Rs. 4,83,000/-	2019-2021

**Detail of Patents filed/published/awarded during the current year**

Name of the Applicant	Name of the inventor	Patent Number	Title of the patent	Date of Publishing of the patent	Date of Grant of patent
DTU	Mehata, M.S., Sharma, V., Tandon, A.	Patent Application No.: 201911052787	Light emitting metal and dual metal doped zinc selenide quantum dots and method thereof.	27.12.2019	27.12.2019

**Detail of professional development/Conferences / Seminars /Symposia /Workshops/Short Term Course/Guest Lecture/GIAN/TEQIP / administrative training Programmes organized by the department for teaching and non-teaching staff during current year**

Year	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	No. of participants	Organizing Faculty/Staff and Department	Sponsoring agency
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2019	International Conference on Atomic, Molecular, Optical and Nano Physics With Applications (CAMNP-2019)		18th -20th December 2019	500	Dr. Vinod Singh Convener of the Conference Department of Applied Physics	AICTE, Ministry of Environment, Forest & Climate Change, SERB, DRDO, CSIR, TEQIP-III, DTU
2020	One Day National Seminar on "Recent Trends in Applied Physics and Engineering (RTAPE-2020)" by Shanti Swarup Bhatnagar (SSB) Awardees		10 <sup>th</sup> February 2020	150	Prof. A. S. Rao Convener Department of Applied Physics	DTU

**Number of Collaborative activities for research, faculty exchange, student exchange per year**

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Year of collaboration	Duration	Nature of the activity	Relevant document
1	Joint research project under Indo-Russian (DST-RFBR) scheme	Russian Academy of Science, Russia	Dr. Mohan Singh Mehta	DST	2017-2019	2 years	Research	
2	Collaborative Research	National Chiao Tung University, Taiwan	Dr. Mohan Singh Mehta	Natinal Chiao Tung University	2019 -2024	4 years	Research	

**Detail of teachers receiving seed money for research in current year (INR in Lakhs)**

Name of the teacher getting seed money	The amount of seed money	Funding Agency (DTU/ TEQIP/ any other)	Year of receiving grant	Duration of the grant
Dr. Renuka Bokolia	Rs. 4,83,000/-	DTU	2019	2 years
Dr. Vinod Singh	Rs. 4,85,000/-	DTU	2019	2 years

Dr. Bharti Singh	7 Lakhs	DST	2017	5 years
Dr. Amrish K. Panwar	Rs. 4,50,000/-	DTU	2019	2 years
Dr. Richa Sharma	Rs. 2,88,000	DTU	2019	2 Years
Dr. Rishu Chaujar	Rs. 4,05,000/-	DTU	2019	2 Years

### Visit of faculty to other institution for taking Experts' Lectures/other academic work

S. No.	Name	Designation & Organization	Topic	Date
1	Dr. Mohan Singh Mehata	Department of Electronics and commutation Engg, SKIT, Jaipur	Excited Electronic State Dynamics of QLEDs and OLEDs materials.	Jan 17-18, 2020
2	Dr. Mohan Singh Mehata	Visited National Chiao Tung University, Hsinchu, Taiwan as a Visiting Professor	Synthesized and photoexcitation dynamics of nanoparticles	September 22, 2019 to October 20, 2019)
3.	Dr. Yogita Kalra	Swami Keshvanand Institute of Technology , Management and Gramothan, Jaipur	Webinar on Optical Science : A New Paradigm	3 <sup>rd</sup> July,2020
4.	Dr. Vinod Singh	ARSD College, University of Delhi	“Gas Phase Synthesis of Pd And Pd-C Nanoparticles”	6 <sup>th</sup> -7 <sup>th</sup> February, 2020  2nd National Conference on “New Trends in Nanotechnology and Applications (NTNA-2020)
5.	Dr. Vinod Singh	Department of Physics, University of Rajasthan, Jaipur	“Size Selected Metal, Metal-Alloy and Metal-Carbon Nanoparticles: Gas Phase Synthesis”	29 <sup>th</sup> February- 1 <sup>st</sup> March, 2020  National Conference on Advances in Material Science and Technology 2020 (NCAMST-2020)
6.	Dr. Vinod Singh	UGC-HRDC, Jawaharlal Nehru University, Delhi	“Gas Phase Synthesis of Nanoparticles”  As Resource Person	November 18 <sup>th</sup> to 30 <sup>th</sup> , 2019  17 <sup>th</sup> Refresher Course in Physical Sciences & Nano Sciences

7.	Dr.Rishu Chaujar	Distinguished Speaker & Jaypee Institute of Information Technology, NOIDA	Technology Computer Aided Design: Simulation for VLSI Devices, Circuits and Systems	July 24, 2020
		Session Chair and DTU	7 <sup>th</sup> IEEE International Conference on Microelectronics, Circuits and Systems	July 26, 2020
8	Dr.Rishu Chaujar	Co-Chair and DTU	7 <sup>th</sup> IEEE International Conference on Microelectronics, Circuits and Systems	July 25-26, 2020
9	Dr.Rishu Chaujar	External Expert at MAIT, GGSIPU	Practical Examination Viva	December 2, 2019
10	Dr. Amrish K. Panwar	Assistant Professor, expert lecture delivered in one week short term course on: "Advanced Nanomaterials for Energy Storage Devices" (ANESD-2019) organized by the Department of Physics, National Institute of Technology Kurukshetra (HR) during October 19-23, 2019.	Fundamentals and Advances in Battery Technology	20-10-2019
11	Dr. Amrish K. Panwar	Assistant Professor, / deliver Invited talk in International Conference on Atomic, Molecular, Optical and Nano Physics with Applications (CAMNP-2019) held on December, 18-20, 2019 at DTU.	Recent advances in cathode material of Lithium Ion Batteries	20-12-2019

**Whether department is with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by government agency (current year data)**

Name of the Department	Name of the Scheme	Name of the funding agency	Year of Award	Funds provided	Duration of award
Applied Physics		TIFAC			

**Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the current year**

<b>Title of the linkage</b>	<b>Name of the partnering institution/ industry /research lab with contact details</b>	<b>Year of commencement</b>	<b>Duration (From-To)</b>	<b>Nature of linkage</b>	<b>Name of the participant</b>	<b>Relevant document</b>
Joint PhD Guidance	INMAS, DRDO	2017	August 2019 to July 2020	PhD Work	Ardaman Kaur (Research Scholar), Supervisor: Dr Rishu Chaujar  Jt. Supervisor: Dr. Vijay	
Joint research project under Indo-Russian (DST-RFBR) scheme	Russian Academy of Science	2017-2019	Sept 2017-Sept 2019	Project work	Dr. Mohan Singh Mehata	
Collaborative research work	National Chiao Tung University (NCTU)	2019	OCT-2019-Dec-2019	Research work	Dr. Mohan Singh Mehata	

**Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)**

<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MoU year wise</b>	<b>Number of students/teachers participated under MoUs</b>
CSIO Chandigarh	Delhi Technological University	February 11, 2020	-	-	-

**Detail of student progression to higher education (previous graduating batch) (the current year)**

<b>Name of students enrolling into higher education</b>	<b>Program graduated from</b>	<b>Department graduated from</b>	<b>Name of institution joined</b>	<b>Name of programme admitted to</b>

Abhishek Seth	B.Tech Engineering Physics	Department of Applied Physics	QUEEN'S University Belfast	Master of Science in Materials Science and Engineering with Professional Internship
Arjun Monga	B.Tech Engineering Physics	Department of Applied Physics	KTH Royal Institute of Technology, Stockholm, Sweden	Masters in Electromagnetics, Fusion, and Space Engineering
Sonakshi Saini	B.Tech Engineering Physics	Department of Applied Physics	Georgia Institute of Technology	Master of Science (MS) in Materials Science and Engineering
Piyush Raj	B.Tech Engineering Physics	Department of Applied Physics	Indian Institute of Technology, Delhi	M. Tech Optoelectronics and Optical Communication
Rohan Sharma	B.Tech Engineering Physics	Department of Applied Physics	Vrije Universiteit Brussel, Belgium	European Master of Science in Photonics
Sakshi Sharma	B.Tech Engineering Physics	Department of Applied Physics	Brown University	Master's Physics