

## List of Completed Sponsored / Consultanc

Sr. No.	Funding Agency	Name of Faculty Member
1	DST	Dr. Rajendra Srivastava
2	DST	Dr. Ashoka Biswas
3	DST Indo -Russian	Prof. P. K. Raina
4	DST	Dr. Harpreet Singh
5	DST	Dr. Prabal Banerjee
6	DST	Dr. T.J. Dhillip
7	DST	Dr. Manoranjan Mishra
8	DST	Dr. Daya Gaur
9	DST Indo-Mexican	Dr. Narinder Singh & Dr. R. Srivastava
10	DST-Indo-Korean	Dr. Narinder Singh
11	DST	Dr. Nitin Auluck
12	Dst-Indo-Italian	Prof. P.K. Raina
13	DST	Dr. C. M. Nagaraja
14	DST	Dr. Ranjana Sodhi

15	DST	Dr. J.S. Sahambi
16	DST	Dr. S. Dasgupta
17	DST	Dr. Himanshu Tyagi
18	DST	Dr. Anupam Agrawal
19	DST	Dr. Apurva Mudgal
20	DST	Dr. Rajinder Srivastava
21	DST	Dr. Kamal Kumar Choudhary
22	DST	Dr. D. Mandal
23	DST	Dr. Rohit Sharma
24	DST	Dr. Subhendu Sarkar
25	DST	Dr. Ekta Singla
26	DST	Dr. Chakradhar Reddy
27	DST	Dr. Jitendra Prasad
28	DST	Dr. Ramjee Repaka
29	DST-DAAD	Dr. Partha Sharathi Dutta

30	DST	Dr. Harpreet Singh
31	DST-Fellowship	Dr. Gunjan Khera
32	DST-Inspire Faculty Award	Dr. Vimal Kumar
33	CSIR	Dr. Narinder Singh
34	CSIR	Dr. Rajendra Srivastava
35	CSIR	Dr. Avijit Goswami
36	CSIR	Prof. P.K. Raina
37	CSIR	Dr. Harpreet Singh
38	CSIR	Dr. C. M. Nagaraja
39	CSIR	Dr. S. Sarkar
40	CSIR	Dr. T J Dhilip Kumar
41	CSIR	Dr. Rajendra Srivastava
42	DRDO	Dr. Harpreet Singh
43	DRDO	Dr. Rohit Y Sharma
44	DRDO	Dr. C C Reddy
45	DRDO - Consultancy	Dr Navin Kumar

46	DAE	Dr Debaparsad Mandal
47	Industrial Consultancy	Dr. Rajendra Srivastava
48	Industrial Consultancy	Dr. Nitin Kumar Goel
49	Industrial Consultancy	Dr. Nitin Kumar Goel
50	Industrial Consultancy	Dr Nitin Auluck
51	Industrial Consultancy	Dr. Ravi Shankar R. Velampati
52	Industrial Consultancy	Dr. Jitendra Prasad and Dr. Anshu Dhar Jayal
53	Industrial Consultancy	Dr. Subrahmanyam Murala
54	RUTAG	PI-Dr Harpreet Singh
55	ICSSR	Dr. Samaresh Bardhan
56	FITT Project Grant	Dr. Himanshu Tyagi
57	NKN	Dr Ekta Singla
58	NAM S&T Centre Research Training Fellowship	Dr. Manoranjan Mishra
59	Industrial Consultancy	Dr. Dhiraj Kumar Mahajan
60	DST	Dr. Santanu Kaley (N-PDF) under the mentorship of Dr. S.C. Martha
61	DST	Dr. RaviShankar Reddy Velampati
62	Industrial Consultancy	Dr. C.K Narayanan
63	Industrial Consultancy	Prof. Ramesh Garg

64	Industrial Consultancy	Dr. Putul halder
65	Industrial Consultancy	Dr. Ramjee Repaka
66	Industrial Consultancy	Dr. Ramjee Repaka
67	Industrial Consultancy	Dr. C.C. Reddy
68	Industrial Consultancy	Dr. Ramjee Repaka
69	Industrial Consultancy	Dr. Narinder singh
70	Industrial Consultancy	Dr. Putul halder
71	Industrial Consultancy	Dr. Abhinav Dhall
72	Industrial Consultancy	Dr. Putul halder
73	Industrial Consultancy	Dr. Rohit Y. Sharma
74	Industrial Consultancy	Dr. Abhinav Dhall
75	Industrial Consultancy	Dr. Putul Halder
76	Industrial Consultancy	Dr. Chakradhar Reddy
77	Industrial Consultancy	Dr. Ramjee Repaka
78	Industrial Consultancy	Dr. Somdev Kar
79	Industrial Consultancy	Dr. C.C. Reddy
80	Industrial Consultancy	Dr. Putul Halder

**INSTITUTE OF TECHNOLOGY**  
**by Projects money Sanctioned for**

<b>Department</b>
Chemistry
Physics
Physics
SMMEE
Chemistry
Chemistry
Mathematics
Computer Science & Engineering
Chemistry
Chemistry
Computer Science & Engineering
Physics
Chemistry
Electrical Engineering

Electrical Engineering
Physics
SMMEE
SMMEE
Computer Science & Engineering
Chemistry
Humanities & Social Science
Chemistry
Electrical Engineering
Physics
SMMEE
Electrical Engineering
SMMEE
SMMEE
Mathematics

SMMEE
Humanities & Social Science
Chemistry
Chemistry
Chemistry
Chemistry
Chemistry
Physics
SMMEE
Chemistry
Physics
Chemistry
Chemistry
SMMEE
Electrical Engineering
Electrical Engineering
SMMEE



Chemistry
Chemistry
Electrical Engineering
Electrical Engineering
Computer Science & Engineering
Electrical Engineering
SMME
Electrical Engineering
SMME
Humanities & Social Science
SMME
SMME
Mathematics
SMME
Mathematics
Electrical Engineering
Computer Science & Engineering
Electrical Engineering

Civil Engineering
SMMEE
SMMEE
Electrical Engineering
SMMEE
Chemistry
Civil Engineering
Computer Science & Engineering
Civil Engineering
Electrical
CSE
Civil Engineering
Electrical Engineering
SMMEE
Humanities & Social Science
Electrical Engineering
Civil Engineering

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**Total**

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**FY ROPAR**

from Non-Internal Sources as on 09.04.2019

<b>Title of Project</b>
Synthesis and catalytic applications of hierarchical/nano crystalline zeolite catalysts
Detection of entanglement in many-spin systems by spin-spin correlations
Theoretical and Experimental Investigation of a possibility to use Sn-124 in modern double beta decay experiments
Surface Engineering to control erosion-corrosion of steam generating plants by nano particle coatings.
Development of [3+3]- cycloaddition of azomethine ylied towards the construction of piperidine ring system: application to the alkaloids synthesis
H2 Storage and fuel cell materials for renewable energy: fundamental study on metal hybrid nanostructures
Modeling and simulation of various fingering instability between two miscible fluids in liquid chromatographic conditions
Approximation Alogrorthams for NP-Hard optimization problems
Synthesis of Au(I) complexes Luminescent Based Benzimidazole Pyridyl and Amine: Gold Nano-Particles for sensor Development
Design and synthesis of Quantum dot-based benzimidazole-compled chemosensors
Duplication based Real-Time scheduling alogrithms for Heterogeneous Multiprocessors
Simulation NTME Calculation and half life measurement for Double Beta Decay of Sn Nuclei
Development of Porous chiral metal-organic frameworks for heterogeneous asymmetric catalysis
Enhancement of Power system monitoring and stability assessment using synchrophasor technology

Smart phone based real time remote monitoring of cardiac patients from hospital CCU's
Energy and coherence dynamics in photo synthetic bacteria
Investigation into direct absorption of solar energy using nanofluids
Development and analysis of deformation machining: A new hybrid process
Algorithms in computational geometry
Synthesis and catalytic applications of crystalline mesoporous materials prepared using hierarchical structure directing agents
Neurocognition of ergative languages
Fluorous approach towards anion recognition for overcoming the hofmeister bias
Design and optimization of an ultra low-loss interconnect link on silicon interposer
Investigation of pattern formation in binary alloy systems
Modular strategy for development of customized industrial robotic arms
Experimental Investigations on Breakdown Phenomenon In power Cable
Invertible computer model for bone adaptation to mechanical environment
Assessment of thermally induced damage of healthy cell volume during radiofrequency ablation of breast malignant tissues
Non-equilibrium Dynamics and Predictability of Plankton Communities in a seasonal Environment

Engineering Driven Sustainable Supply Networks - A UK/India Collaborative
Lobe and Late Positivity in mental rotation task for Hindi & Latin Letters
Innovation in Science Pursuit for Inspired Research (Inspire)
Design and synthesis of new ratiometric fluorescent chemo-sensors: excited state proton transfer involving keto-enol tautomerism
Synthesis and catalytic applications of nanoporous II-conjugated polymer-silica nanocomposite materials
Design and synthesis of a new class of salen based metal complexes: A search for catalytic activity
Computation of Nuclear Transition Matrix Elements for Neutrinoless Double Beta Decay within Deformed Haptree-Fock Model
Development of slurry erosion resistant coating for hydro rurbines
Development of Novel Transition Metal Complexes with Pincer-type Ligands for Splitting of water
Scaling And Related Studies On Chemically Eroded Silicon Surfaces
A First-Principales Study of Metal Grafted Calix{n}Arenes as Hydrogen Storage Materia
Synthesis of Mono-Cationic and Multi-Cationic Ionic Liquids and Their Application in Catalysis and Material Synthesis
Development of Magnesium Alloy Based In-Situ Nano Composites for Improved Material Properties Using Friction Stir Processing
Design verification and analysis of electronic impact cum time delay sensing module
Design and Development of Compact Firing Circuit
Design an effective noise barrier for the Baffle Range

New Archetype of Ionic Liquids & their Applications in Electrolytes & Other Systems
Consultancy-Nominee Honorary Director
System Validation, Testing and Results Analysis of DWDM Network Design Tool-CND 5.0
System Engineering System Validation Testing and Results Analysis of DWDM Network Design Tool Ciena Network Designer CND-5.1
Patent Review Platform
Developing Semiconductor thin film layers in next generation toolsets for advanced semiconductor devices.
Tire Engineering / Mechanics
Development of Image Recognition Technology, Android Application to collect image and data and online reports/dashborad for Retail Store Tracking
Rural Technology Action Group
Finance and Growth: Regional Perspectives in India"
FITT Project
Creation of Virtual Classrooms at IIT-ROPAR
Study of the Transient Flow of Hydrogen-Natural Gas Mixture in Pipeline Networks
"Design & Development of a Customized Elastomeric Balloon for a Constant Air Pressure Output Bio- Medical Device"
National Post-Doctoral Fellowship
Nonvolatile Mamory Devices Using Microwave - Synthesized Metal Nanocrystals
Unrestricted Grant : awarded to Prof. Narayanan C Krishnan for Research Collaborations
Expert for Mobi Antenna Technologies (Shenzhen) Co. Ltd. in C.S. (OS) 1989 of 2010 before Delhi High Court

Vetting of Structural Design for Structural Stability of Boundary Wall Drawing No. S/9/202

Veetting of Air Conditioning Plant Design of ATC Building, Af Station, Ubhampur

Vettiing of air conditional plant design at AF Station, Udhampur

Evaluation of 11Kv Earthed HT Xlpe Cable Conductor Resistance and High Voltage Performance as per IS7098 part-II

Determine the efficacy of the Radio Frequency Generator and Electrodes Based on the Results From Experimental Study on Tissue Mimicking Phantom Gels

Formulations Development for skin care Application

Structural Assessment of Partially Constructed Ohsr at Moga Town, Punjab

Automatic Facial Expression Recognition

Training Programme on Building Construction for 50 PUDA Engineers

Bridging the Innovation Gap

Automatic Skin Analytics

Redevelopment of Old Cement Godown Area Whole Sale Vegetable and Fruit Market Azadpur, New Delhi

Transition Joint : Material, Interfacial and Design Investigations

Vetting of Air Conditioning Plant Design at af Station, Udhampur

Cleopatra Annotation Bengali' under Clarabridge Language Pack

HT Cable Test

Concrete Mix Design of Grade M10, M15, M25, M30, M40,M45 for Construction of Various Building Under Phase-1C at IIT Ropar

(Rs. in Crores)

<b>Total Sanctioned Amount</b>	<b>Project Status</b>
0.37	Complete
0.08	Complete
0.16	Complete
0.43	Complete
0.19	Complete
0.13	Complete
0.16	Complete
0.34	Closed
0.13	Complete
0.08	Complete
0.14	Complete
0.05	Complete
0.26	Complete
0.17	Complete



0.32	Complete
0.14	Complete
0.26	Complete
0.22	Complete
0.14	Complete
0.33	Complete
0.45	Complete
0.26	Complete
0.22	Complete
0.39	Complete
0.25	Complete
0.55	Complete
0.15	Complete
0.21	Complete
0.07	Complete

0.49	Complete
0.15	Closed
0.69	Complete
0.17	Complete
0.17	Complete
0.18	Complete
0.16	Complete
0.15	Complete
0.19	Complete
0.16	Complete
0.05	Complete
0.05	Complete
0.14	Complete
0.10	Complete
0.09	Complete
0.17	Complete

0.24	Complete
0.03	Complete
0.08	Complete
0.08	Complete
0.00	Complete
0.00	Closed
0.02	Complete
0.12	Complete
1.20	Complete
0.04	Complete
0.03	Complete
0.99	Complete
0.03	Complete
0.05	Complete
0.19	Closed
0.18	Closed
0.01	Complete
0.05	Complete

0.02	Complete
0.01	Complete
0.00	Complete
0.00	Complete
0.05	Complete
0.00	Complete
0.04	Complete
0.09	Complete
0.02	Complete
0.03	Complete
0.03	Complete
0.01	Complete
0.05	Complete
0.01	Complete
0.01	Complete
0.02	Complete
0.02	Complete
<b>13.49</b>	