

Details of Sponsored Projects at SNBNCBS (2024-2025)

Project Title	PI / Co – PI	Funding Agency	Duration of the Project	Total Sanctioned	Remarks
ICAR/SKP/18-19/230 – “Development of nano sensor and its application through cloud based network for real time irrigation to soil and plant”	Prof. S.K. Pal (Co-PI from SNBNCBS) Lead Centre: ICAR–IISS Other Co Centre: ICAR-CIAE	ICAR (NASF) NASF/NRM-8031/2020-21/214 dated 31-05-2021	01-06-2021 to 31-05-2024	41,00,000/- (Non Recurring) 59,04,278/- (Recurring Cost) For SNBNCBS	
SERB(DST)/ANP/19-20/255 – “Probing orbital hybridization and structural asymmetry in atomic and molecular nano-contact via inelastic electron spectroscopy and shot noise”	Dr. Atindra Nath Pal	SERB CRG/2020/004208	17-02-2021 to 16-05-2024	36,12,421/-	
SERB/NK/20-21/264 – “From three-dimensional to two-dimensional quantum anomalous Hall effect in ferromagnetic topological quantum materials”	Dr. Nitesh Kumar	SERB CRG/2021/002747	10-03-2022 to 09-03-2025	27,26,791/-	
SERB/SC/20-21/266 – “Development of Artificial Neural Network (ANN) based models for rapid prediction of physicochemical properties of drug-like molecules”	Dr. Suman Chakrabarty	SERB MTR/2021/000859	24-02-2022 to 23-02-2025	6,60,000/-	
DAE(RRF)/RB/21-22/279 – “Gauge and Gravitational Symmetries in Nonrelativistic Theories: Formalism & Applications” – DAE Raja Ramanna Fellowship	Prof. Rabin Banerjee	DAE (RRF) 1003/6/2021/RRF/ R&D-II/10348 Dated 2-9-2021	03-05-2021 to 02-05-2024	13,50,000/- (1 st Release) 7,56,280/- (2 nd Release) 12,07,442/- (3 rd Release) 13,44,558/- (4 th Release) 7,23,438/- (5 th Release)	

SERB/PSP/21-22/281 – “Olefin-linked Covalent Organic Frameworks (COFs) for Photocatalytic Water Splitting for Hydrogen Generation”	Dr. Pradip Shashikant Pachfule	SERB SRG/2022/000217 Dated 9-9-2022	27-09-2022 to 26-01-2025	32,35,560/-	
IHQTF/MB/22-23/290 – “Devising practically implementable enhanced means of communication with the aid of quantum resources – Chanakya Post Doctoral Fellowship under mentorship of Dr. Manik Banik”	Dr. Manik Banik	I-Hub Quantum Technology Foundation (IHQTF) I-HUB/PDF/2021-22/008	13-06-2022 to 31-03-2025 (At SNBNCBS)	Amount Received till date: 11,10,653/- + 1,38,896/- +9,38,028/-	Chanakya Post-Doctoral Research Fellow: Dr. Mir Alimuddin Resigned on 28-06-2024
SERB(NPDF)/IB/22-23-293 – “Exploring Hydration Hydration Dynamics of Protein Aggregation and Its Connection with Liquid-Liquid Phase Separation Triggered by Modulation in Local Environmental Parameters Employing Terahertz Spectroscopy and Complementary Experimental Techniques”	Dr. Indrani Bhattacharya	SERB (NPDF) PD/2022/000540	28-12-2022 to 27-12-2024	22,36,800/-	
SERB(NPDF)/GB/22-23/294 – “Proximity induced spin-orbit coupling and magnetism on graphene from magnetic topological quantum matter (MTQM)”	Dr. Gargee Bhattacharyya	SERB (NPDF) PDF/2022/002839	06-01-2023 to 05-01-2025	22,36,800/-	

*** Apart from this, the Centre has also received the TRC project during January 2016.