

International R&D Project details											
Sl. No.	Project No.	Title of the Project	Duration of Project (in months)	Start Date of Project	Sanctioned Amount (in Rupees)	Funding Agency	Name of PI	Department of PI	Name of Co-PI	Department of Co-PI	In case of multiple PI/Co-PI, please mention their Name and Department
1	CIL(9)/2017-2018/540/ME	Development of Virtual Reality Mine Simulator (VRMS) for improving safety and productivity in coal mines	24	-	132010000.00	CIL	Prof. V.M.S.R. Murthy	Mining Engineering, IIT(ISM) Dhanbad	-	-	-
2	IUSSTF/2017-2018/552/AC	2D Nanomaterials for Energy Storage	24	-	3025000.00	IUSS&TF	Dr. G. C. Nayak	Chemistry & Chemical Biology, IIT(ISM) Dhanbad	-	-	-
3	UGC-ISF/2018-2019/562/AGP	Low-cost Array-based Earthquake Early Warning for Eastern India	36	11.04.2018	15000000.00	UGC – ISF	Prof. P. K. Khan	Applied Geophysics, IIT(ISM) Dhanbad	-	-	-
4	DST-SERB(210)/2018-2019/609/Mechanical Engg.	Development of Eco-friendly Magnesium Alloy Nanocomposites for Structural & Biomedical Applications	24	01.11.2018	4102000.00	DST(SERB)	Dr. Ashis Mallick	Mechanical, IIT(ISM) Dhanbad	-	-	-
5	DST(236)/2019-2020/657/CHEMISTRY	CO <sub>2</sub> as a building block for synthesis of fine chemical and fuel over functionalized materials	36	01.07.2019	6312032.00	DST (IBCD)	Prof. Biswajit Chowdhury	Chemistry & Chemical Biolog, IIT(ISM) Dhanbad	-	-	Dr. Sci. Sergey E. Lyubimov, Institute of Organoelements Compounds of Russian Academy of Sciences,
6	DST(238)/2019-2020/664/ESE	PAVITR – Potential and Validation of Sustainable Natural & Advance Technologies for Water & Wastewater Treatment, Monitoring and Safe Water Reuse in India	48	31.03.2019	5069000.00	DST (IMRCD)	Prof. S.K. Gupta	Environmental Science & Engineering, IIT(ISM) Dhanbad	Prof. Nadeem Khalil	Aligarh Muslim University	Mr. MirkoHanel, TTZ Bremerhaven, Germany
7	IGSTC/2020-2021/709/CHEMISTRY	CO <sub>2</sub> and biomass as feedstock for the production of fuels and chemical intermediates (CO2BioFeed)	36	25.03.2020	8410000.00	IGSTC	Prof. Biswajit Chowdhury	Chemistry & Chemical Biolog, IIT(ISM) Dhanbad	Prof. Asim Bhaumik, Dr. Praveen Kumar Chinthala,	IACS Kolkata, Reliance Industries Ltd., Jamnagar	Project Partners (German side) : Prof. Thomas Ernst Muller, Ruhr-Universitat Bochum, Dr. Jens Hannes, RWE Power Aktiengesellschaft, Essen,
8	IEEE/2020-2021/718/ECE	Auto Irrigation and Soil Monitoring System for COVID-19 Migrants Engagement	22	23.06.2020	6,42,847.00	IEEE	Prof. Rajeev Kr. Ranjan	Electronics Engg., IIT(ISM) Dhanbad	-	-	-
9	MHRD(SICRG)/2020-2021/740/ECE	Memristor Based Biosensor Design For COVID-19	37	09.11.2020	10,00,000.00	MHRD(SICRG) {Ministry of Human Resource and Development (Shastri Institutional Collaborative Research Grant)}	Prof. Rajeev Kr. Ranjan	Electronics Engg., IIT(ISM) Dhanbad	-	-	Prof. Balbir (Bob), Gill University of British Columbia, Canada
10	SICI(SMP)/2020-2021/751 /ECE	Design & Development of Multiple Input Multiple Output (MIMO) Antennas for sub-6-GHz Applications	1	21.12.2020	57,000.00	SICI(SMP) [Shastri Indo-Canadian Institute (Shastri Mobility Programme)]	Prof. R.K. Gangwar	Electronics Engg., IIT(ISM) Dhanbad	-	-	-

11	SICI(SMP)/2020-2021/776 /ESE	Development of altered exhaust pipe design in school bus for reducing nano particle exposure to school going children	1	01.02.2020	57,000.00	SICI(SMP) [Shastri Indo-Canadian Institute (Shastri Mobility Programme)]	Prof. Suresh Pandian E	ESE, IIT(ISM) Dhanbad	-	-	-
12	SICI(SMP)/2020-2021/785 /CSE	Green and Intelligent Edge for Delay-Sensitive IoT Applications	1	08.02.2021	57,000.00	SICI(SMP) [Shastri Indo-Canadian Institute (Shastri Mobility Programme)]	Prof. Tarachand Amgoth	Computer Science & Engineering, IIT(ISM) Dhanbad	-	-	-
13	JAZANU/2021-2022/810/MECH	Structural and machinery failure analyses through Vibration and Acoustic techniques	36	09.08.2021	6,00,000.00	JazanU (Jazan University, Saudi Arabia)	Prof. M.L. Chandravanshi	Mechanical Engineering, IIT(ISM) Dhanbad	Prof. Mofareh Hassan Ghazwani	Jazan University, Kingdom of Saudi Arabia	-
14	OECD/2022-2023/912/CE	CONTRACT FOR INTELLECTUAL SERVICES RELATIVE TO SUPPORT THE ITF WORK IN INDIA IN THE FRAMEWORK OF THE DECARBONISING TRANSPORT IN EMERGING ECONOMIES (DTEE) AND THE NDC TRANSPOT INITIATIVE FOR ASIA (NCD-TIA	12	08.07.2022	19,12,636.00	OECD (Organisation for Economic Co-operation and Development, Paris France)	Prof. Leeza Malik	Civil Engg., IIT(ISM) Dhanbad	-	-	-
15	J-PAL/2022-2023/960/MS	Sustainable digital interventions for resource poor farmers	12	01.03.2022	7,99,875.00	J-PAL (The Abdul Latif Jamil Poverty Action Lab), Cambridge, USA	Prof. Aparna Krishna	Management Studies & Industrial Engineering, IIT(ISM) Dhanbad	Prof. Bharat Ramaswami	Ashoka University	-

