



**Narula Institute of Technology**

81, Nilgunj Road, Agarpara, Kolkata-700109

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# **Supporting Documents**

## **Criteria: 3.2.4**

**Department wise list of projects indicating title of the funded project, Name of the teacher, the amount and the funding agency during the last five years**



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**Department wise list of projects indicating title of the funded project, Name of the teacher, the amount and the funding agency during the last five years**

Sl No	Name of the Principal Investigator or/ Co Investigator or (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department of Principal Investigator/ Co Investigator	Year of Award	Funds provided (INR in lakhs)	Title of the project	Duration of the project
1	Dr. Anilesh Dey	AICTE	Government	Electronics and Communication Engineering	2019 - 2020	7.880	Reduction of stress under the use of music	2019 to 2022
2	Dr. Kunal Das	AICTE	Government	Computer Science & Engineering	2019 - 2020	12.342	Bio chip sensor design and implementation for healthcare and food processing application	2019 to 2022
3	Dr. Kunal Das	AICTE	Government	Computer Science & Engineering	2019 - 2020	3.000	Data Science and Machine Learning	2020 to 2021

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4	Dr. Sandip Chanda	AICTE	Government	Electrical Engineering	2019 - 2020	3.000	Recent Trends in Internet of Things (IoT) and Embedded System Based Monitoring and Control of Distributed Generation	2019 to 2020
5	Prof. Dr. Maitrayei Ray Kanjilal	DST FIST	Government	Institution	2019 - 2020	1.366	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
6	Dr. Biman Mukherjee	AICTE	Government	Civil Engineering	2019 - 2020	3.400	Sustainable Development on Civil Engineering Array	2019 to 2020
7	Dr. Biman Mukherjee	Govt. of West Bengal	Government	Civil Engineering	2019 - 2020	12.390	Nirman Shahayak from Gram Panchayats and Block Level Junior Engineers on rural engineering issues	2019 to 2020

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8	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2019 - 2020	0.011	TEQIP sponsored project	2012 to 2017
9	Sangita Roy	IETE	Government	Electronics and Communication Engineering	2019 - 2020	0.079	ISF	2019 to 2020
10	Dr. Biman Mukherjee	AICTE	Government	Civil Engineering	2019 - 2020	6.976	Modernization of Structural Engineering Laboratory	2019 to 2021
11	Dr. Rupa Bhattacharyya	UGC	Government	Basic Science & Humanities (Chemistry)	2019 - 2020	1.050	Synthesis and Characterization of Nanofiller induced PVC - poly(alkyl acrylate) blends	2017 to 2019
12	Dr. Sumit Nandi	UGC	Government	Basic Science & Humanities (Chemistry)	2019 - 2020	1.400	Optimization of bioprocesses for the production of biodiesel from refinery byproducts and its characterization	2017 to 2019

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13	Prof. Dr. Maitrayei Ray Kanjilal	DST	Government	Institution	2019 - 2020	2.608	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
14	Dr. Sumit Chabri	DSTBT	Government	Mechanical Engineering	2019 - 2020	1.000	Entrepreneurship and Start Ups	2019 to 2020
15	Dr. Biswajit Halder	DSTBT	Government	Computer Science & Engineering	2019 - 2020	0.500	Present Applications of Artificial Intelligence in robotics and mechatronics	2019 to 2020
16	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2019 - 2020	4.578	TEQIP sponsored project	2012 to 2017
17	Prof. Dr. Bidyut Kumar Medya	Lord Buddha Koshi Medical College and Hospital	Non Government	Information Technology	2019 - 2020	29.500	Deep learning based noise reduction and quality enhancement of breast ultrasound image for	2019-2024

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18	Dr. Suchismita Maity	Lord Buddha Koshi Medical College and Hospital	Non Government	Information Technology	2019 - 2020		early detection of cancer	2019-2024
19	Anirban Bhar	ICARE Institute of Medical Sciences and Research & Dr. Bidhan Chandra Roy Hospital, HALDIA	Non Government	Information Technology	2019 - 2020		Recommendation system in e-healthcare scenario	2019-2024
20	Dr. Safiqur eshi Mandal	ICARE Institute of Medical Sciences and Research & Dr. Bidhan Chandra Roy Hospital, HALDIA	Non Government	Computer Science & Engineering	2019 - 2020	33.480		2019-2024
21	Sagarika Chowdhury	ICARE Institute of Medical Sciences and Research & Dr. Bidhan Chandra Roy Hospital, HALDIA	Non Government	Computer Science & Engineering	2019 - 2020		Federated learning implementation in remote healthcare	2019-2024

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2 2	Chandrima Chakraborty	ICARE Institute of Medical Sciences and Research & Dr. Bidhan Chandra Roy Hospital, HALDIA	Non Government	Computer Science & Engineering	2019 - 2020			2019-2024
2 3	Koushik Karmakar	Bosch Rexroth India Pvt. Ltd.	Non Government	Computer Science & Engineering	2019 - 2020		Recycling of waste water	2019-2024
2 4	Dr. Subhram Das	Bosch Rexroth India Pvt. Ltd.	Non Government	Computer Science & Engineering	2019 - 2020	80.460	Portable air compressor with Auto cutoff	2019-2024
2 5	Kaushik Sarkar	Bosch Rexroth India Pvt. Ltd.	Non Government	Electronics & Communication Engineering	2019 - 2020		PLC based DC motor speed monitoring system	2019-2024

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26	Dr. Sangita Roy	Bosch Rexroth India Pvt. Ltd.	Non Government	Electronics & Communication Engineering	2019 - 2020		Pneumatic power steering system	2019-2024
27	Dr. Avishek Chakraborty	Bosch Rexroth India Pvt. Ltd.	Non Government	Basic Science & Humanities	2019 - 2020		STEAM STEM Design brief geometry programming Finch robot project	2019-2024
28	Sumanta Kundu	Bosch Rexroth India Pvt. Ltd.	Non Government	Electrical Engineering	2019 - 2020		Pneumatic powered mini vibratory conveyor	2019-2024
29	Prof. Dr. Maitrayee Ray Kanjilal	DST FIST (Own contribution)	Government	Institution	2018 - 2019	21,50,000	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
30	Prof. Dr. Maitrayee Ray Kanjilal	DST FIST	Government	Institution	2018 - 2019	26,10,830	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023

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31	Dr. Kunal Das	DST FIST	Government	Institution	2018 - 2019	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
32	Dr. Sandip Chanda	DST FIST	Government	Institution	2018 - 2019	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
33	Dr. Rupa Bhattacharyya	DST FIST	Government	Institution	2018 - 2019	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
34	Dr. Saradindu Panda	DST FIST	Government	Institution	2018 - 2019	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
35	Dr. Biman Mukherjee	DST FIST	Government	Institution	2018 - 2019	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023

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36	Arkendu Mitra	DST FIST	Government	Institution	2018 - 2019		Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	2018 to 2023
37	Dr. Biman Mukherjee	Govt. of West Bengal	Government	Civil Engineering	2018 - 2019	14.217	Nirman Shahayak from Gram Panchayats and Block Level Junior Engineers on rural engineering issues	2018 to 2019
38	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2018 - 2019	0.022	TEQIP sponsored project	2012 to 2017
39	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2018 - 2019	4.985	TEQIP sponsored project	2012 to 2016
40	Dr. Sumit Chabri	Bosch Rexroth India Pvt. Ltd.	Non Government	Mechanical Engineering	2018 - 2019	92.163	Design and fabrication of hydraulic spring stiffness testing machine	2018 to 2023

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4 1	Goutam Roy	Bosch Rexroth India Pvt. Ltd.	Non Government	Mechanical Engineering	2018 - 2019	Design and fabrication of hydraulic spring stiffness testing machine	2018 to 2023
4 2	Dr.Bikas Panja	Bosch Rexroth India Pvt. Ltd.	Non Government	Mechanical Engineering	2018 - 2019	Study of pneumatic metal sheet bending machine	2018 to 2023
4 3	Akhtarujjan Sarkar	Bosch Rexroth India Pvt. Ltd.	Non Government	Mechanical Engineering	2018 - 2019	Study of pneumatic metal sheet bending machine	2018 to 2023
4 4	Dr.Amit Dutta	Bosch Rexroth India Pvt. Ltd.	Non Government	Mechanical Engineering	2018 - 2019	Fabrication of automatic pneumatic ramming machine	2018 to 2023
4 5	Dipu Mistry	Bosch Rexroth India Pvt. Ltd.	Non Government	Electrical Engineering	2018 - 2019	Fabrication of automatic pneumatic ramming machine	2018 to 2023

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4 6	Dr. Sandhya a Pattanayak	Bosch Rexroth India Pvt. Ltd.	Non Government	Electronics and Communica tion Engineering	2018 - 2019		Development of portable air compressor	2018 to 2023
4 7	Swati Barui	Bosch Rexroth India Pvt. Ltd.	Non Government	Electronics and Communica tion Engineering	2018 - 2019		Development of portable air compressor	2018 to 2023
4 8	Bansari Deb Majumder	Bosch Rexroth India Pvt. Ltd.	Non Government	Electronics and Instrumenta tion	2018 - 2019		Design and fabrication of PC based mass flow indicating controller using modified anemometer technique	2018 to 2023
4 9	Susmita Das	Bosch Rexroth India Pvt. Ltd.	Non Government	Electronics and Instrumenta tion	2018 - 2019		Design and fabrication of PC based mass flow indicating controller using modified anemometer technique	2018 to 2023
5 0	Dr. Sriparna Guha	UGC	Government	Basic Science & Humanities	2017 - 2018	1.950	Absenteeism of engineering students: Problems and structural effects: A case study of West Bengal engineering colleges	2017 to 2019

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52	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2017 - 2018	1.955	TEQIP sponsored project	2012 to 2017
53	Dr. Saradindu Panda	AICTE	Government	Electronics and Communication Engineering	2017 - 2018	2.450	Recent developments in Artificial Intelligence and Robotics	2017 to 2018
54	Dr. Sumit Nandi	UGC	Government	Basic Science & Humanities (Chemistry)	2017 - 2018	2.600	Optimization of bioprocesses for the production of biodiesel from refinery byproducts and its characterization	2017 to 2019
55	Dr. Saradindu Panda	UGC	Government	Electronics and Communication Engineering	2017 - 2018	3.100	Low power & high speed memory design using nano MOSFETs in 22 nm technology	2017 to 2019

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56	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2017 - 2018	4.289	TEQIP sponsored project	2017 to 2018
57	Dr. Kunal Das	DST	Government	Computer Science & Engineering	2017 - 2018	5.248	QCA logic circuit design in application to healthcare device design and simulation	2017 to 2020
58	Dr. Saradindu Panda	AICTE	Government	Electronics and Communication Engineering	2017 - 2018	7.277	Upgradation of laboratory to Embedded system and Electronic Design Automation lab	2017 to 2019
59	Dr. Saradindu Panda	AICTE	Government	Electronics and Communication Engineering	2017 - 2018	14.717	Some studies on the design issues to improvement on efficiency in plasmonic based solar cell	2017 to 2020
60	Dr. Biman Mukherjee	Govt. of West Bengal	Government	Civil Engineering	2017 - 2018	56.069	Nirman Shahayak from Gram Panchayats and Block Level Junior Engineers on rural engineering issues	2017 to 2018

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61	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2016 - 2017	123.139	TEQIP sponsored project	2016 to 2017
62	Dr. Tapan Kumar Mukherjee	DAE BRNS	Government	Basic Science & Humanities (Physics)	2016 - 2017	5.615	Effect of external environment on the spectroscopic properties of atomic and exotic systems: Theory and experiment	2014 to 2017
63	Dr. Tapan Kumar Mukherjee	CSIR	Government	Basic Science & Humanities (Physics)	2016 - 2017	2.659	CSIR Sponsored project	2016 to 2017
64	Dr. Sumit Nandi	DST	Government	Basic Science & Humanities (Chemistry)	2016 - 2017	0.544	Entrepreneurship Awareness Camp	2016
65	Prof. Dr. Maitrayei Ray Kanjilal	World Bank (TEQIP)	Government	Institution	2015 - 2016	162.174	TEQIP sponsored project	2015 to 2016

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6 6	Dr. Tapan Kumar Mukherjee	DAE BRNS	Government	Basic Science & Humanities (Physics)	2015 - 2016	5.072	Effect of external environment on the spectroscopi c properties of atomic and exotic systems: Theory and experiment	2014 to 2017
6 7	Dr. Sriparna Guha	UGC	Government	Basic Science & Humanities	2015 - 2016	1.100	Women employment and women empowerme nt in information technology industry in 21st century: A case of West Bengal.	2015 to 2016

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