

## **Sanctioned Research Projects & Grants**

**2021-2022**

### **Institution**

<b>Sl No.</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
1	MHRD grant for Mentor Mentee Scheme	AICTE, MIC	Rs 2,25,000
2	Atal Tunnel visit under YUVAK scheme	AICTE	Rs 2,00,000
3	Scheme for Promoting Interest, Creativity and Ethics among Students (SPICES)	AICTE	Rs 1,00,000

### **BSHU**

<b>Name of PI</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
Dr. Tapan Kumar Mukherjee	Theoretical and Experimental Studies on few body exotic and atomic systems under confinement conditions	DAE	Rs 21,89,850

### **ECE**

<b>Project Title</b>	<b>Name of PI</b>	<b>Funding Agency</b>	<b>Amount</b>
ISTE Refresher Program on Recent trends in Signal Processing	Soumen Pal	AICTE	Rs 93,000

**EE**

<b>Sl. No.</b>	<b>Name of PI</b>	<b>Project Title</b>	<b>Funding agency</b>	<b>Amount</b>
1	Arkendu Mitra	Protection of Inverter Fed Variable Frequency Drive	Ranky Infrastructure Ltd.	Rs 3,78,000
2	Bansari Deb Majumder	Design of admittance Level Sensor for Boiler Drum	Tetmax Technologies	Rs 4,82,000
3	Biswajit Halder	Advancement of Robot Manipulator	R S Engineering Works	Rs 4,76,000
4	Subimal Roy Barman	Cost Minimization Through Integration of Renewable Sources in a Smart Grid	System Advanced Technologies Pvt. Ltd.	Rs 3,54,000
5	Bishaljit Paul	IoT Based Smart Grid	GKW Consult	Rs 2,77,000
6	Biswadip Gupta Bakshi	Controller Scheme for UAV Technology	M/S USL Technologies	Rs 98,000
7	Bansari Deb Mazumder	Design Scheme of UAV with Rader Technology	Notion Automation	Rs 1,42,000
8	Sumanta Kundu	PID control Scheme for Process Application	System Advanced Technologies Pvt. Ltd.	Rs 2,98,000
9	Pallav Dutta	Raiway Anticollision System	HV Engineering	Rs 2,75,000

**IT**

<b>Sl No.</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
1	Deep Learning Based Noise Reduction and Quality Enhancement of Brest Ultrasound image for early detection of cancer	Lord Buddha Koshi Medical College and Hospital	Rs 55,000/-

2	Recommendation System in e-healthcare Scenario	ICARE Institute of Medical Sciences and Research and Dr. Bidhan Chandra Roy Hospital, Haldia	Rs 78,000/-
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### EIE

SI No	Name of PI	Name of the funding Agency	Project Title	Amount
1	Susmita Das	Bosch Rexroth India Pvt. Ltd.	Automatic Hydro Pneumatic jack	Rs 2,80,000
2	Sanghamitra Layek	Lord Budhdha Koshi Medical College anxd Hospital	Microcontroller based low cost anesthesia injector	Rs 1,00,000

### CA

SI No	Name of PI	Project Title	Funding agency	Amount
1	Rupa Saha	Epidemiological Modelling on predicting future trends	Prinston IT Solutions	Rs 2,67,000.00
2	Subhasree Bhattacharjee	Designing and modelling quantum cellular automata circuit for healthcare.	Ardent Infocom	Rs 1,18,000.00

### 2020-2021

### ECE

Electro-oculogram based wheel chair	Dr. Anilesh Dey	ESBEE Spring Manufacturing Company	Rs 6,00,000
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## CSE

<b>Principal Investigator</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
Biswajit Halder	MODROBS	AICTE	Rs 4,51,961.00

## EE

<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
Increasing Energy Efficiency of DFIG	Habbtech Technologies	Rs 3,80,000
Advanced Wireless Power Transfer System	Habbtech Technologies	Rs 4,00,000
Health-Monitoring of Power Semiconductor Modules	AG Engineering	Rs 4,50,000
Cycle Switching without Harmonics for Industrial Power Control	AG Engineering	Rs 3,50,000
Development of Low-cost Switched Reluctance Motors	AG Engineering	Rs 3,90,000
AC Power Controller with Programmable Interface	AG Engineering	Rs 3,00,000
Industrial Power Consumption, Penalty Minimization using AFPC unit.	AG Engineering	Rs 4,00,000

## IT

<b>Sl No.</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
1	Deep Learning Based Noise Reduction and Quality Enhancement of Brest Ultrasound image for early detection of cancer	Lord Buddha Koshi Medical College and Hospital	Rs 55,000
2	Recommendation System in e-healthcare Scenario	ICARE Institute of Medical Sciences and Research and Dr. Bidhan Chandra Roy Hospital, Haldia	Rs 1,17,000

3	Recent Advancement of Data Science	AICTE	Rs 3,57,000
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### EIE

SI No	Investigator	Funding Agency	Title of the project	Amount
1	Bansari Deb Maumder	Habtech Technologies	Over current relay testing system	Rs 3,00,000
2	Susmita Das	AG Engineering & Consultancy	Quality analysis and maintenance of surge protectors in electrical machineries	Rs 1,23,000

### BSHU

Project title	Funding agency	Amount
Electrolysis of products of potassium iodide	Jharna Chemicals	Rs 3,00,000

### 2019-2020

### Institution

Project Title	Funding Agency	Amount
Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	DST FIST	Rs 3,96,000
TEQIP sponsored project	World Bank (TEQIP)	Rs 4,57,000

### ECE

Project Title	Name of PI	Funding Agency	Amount
Modernization Of Digital Signal Processing Laboratory	Dr. Anilesh Dey	AICTE	Rs 7,07,843
RPS on Reduction of stress under the use of music	Dr. Anilesh Dey	AICTE	Rs 8,00,000

### CSE

Principal Investigator	Project Title	Funding Agency	Amount
Kunal Das	RPS on Biochip sensor design and implementation for healthcare and food processing application	AICTE	Rs 12,53,000
Biswajit Halder	Present Application of Artificial Intelligence in Robotics and mechatronics	DSTBT	Rs 50,000
Subhram Das	STTP on Data Science and Machine learning	AICTE	Rs 3,00,000

### EE

Project Title	Funding Agency	Amount (in Lakh)
One Week Short Term Training Programme on Recent Trends in Internet of Things (IoT) and Embedded System Based Monitoring and Control of Distributed Generation	AICTE	Rs 3,00,000

Battery Energy Storage System to improve Power Export Capability and Stabilize Transient Voltage and Frequency	AG Engineering	Rs 3,67,000
Short Term Risk Assessment of Wind Integrated Composite Power System Using Hybrid Framework	AG Engineering	Rs 2,64,000
Large Signal Synchronization in Stability of a PLL Based VSC Connected to Weak AC Grid	Habbtech Technologies	Rs 4,22,000

**IT**

<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
Deep Learning Based Noise Reduction and Quality Enhancement of Brest Ultrasound image for early detection of cancer	Lord Buddha Koshi Medical College and Hospital	Rs 1,16,000
Modernization of Project Lab to Create an environment of Data Science Lab	AICTE	Rs 9,00,000

**CE**

<b>Project title</b>	<b>Duration</b>	<b>Funding agency</b>	<b>Amount</b>
STTP on Sustainable development on Civil Engineering array	1 year	AICTE	Rs 3,40,000

**ME**

<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
Entrepreneurship and startup	DSTBT	Rs 100000

**EIE**

<b>Investigator</b>	<b>Name of the funding agency</b>	<b>Amount</b>
Bansari Deb Maumder	M/S ESL Technologies	Rs 2,25,000
Susmita Das	Bosch Rexroth India Pvt. Ltd.	Rs 2,00,000
Dibyendu Sur	Siyatech	Rs 1,74,000

**BSHU**

<b>Project title</b>	<b>Duration</b>	<b>Funding agency</b>	<b>Amount</b>
Optimization of bioprocesses for the production of biodiesel from refinery byproducts and its characterization	2 years	UGC	Rs 1,40,000
Synthesis and characterization of nanofiller induced PVC – poly(alkyl acrylate) blends	2 years	UGC	Rs 1,05,000

**2018-2019**

**Institution**

<b>SI No.</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
1	Advancement of the Infrastructural Facilities for Sustainable Development in Teaching and Research	DST FIST	Rs 47,60,000
2	TEQIP sponsored project	World Bank (TEQIP)	Rs 4,98,000



## ECE

<b>Project Title</b>	<b>Name of PI</b>	<b>Funding Agency</b>	<b>Amount</b>
FDP on Recent Developments in Artificial Intelligence & Robotics	Dr. Saradindu Panda	AICTE	Rs 4,90,000
RPS on Some studies on the design issues to improvement on efficiency in plasmonic based solar cell	Dr. Saradindu Panda	AICTE	Rs 14,94,118
Modernization of Embedded Systems and Electronic Design Automation Laboratory	Dr. Saradindu Panda	AICTE	Rs 9,09,700
Minor Project On Performance Comparison of CMOS and FINFET based SRAM for 22nm Technology	Dr. Saradindu Panda	UGC	Rs 3,15,000

## CSE

<b>Principal Investigator/Co-investigator</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
Kunal Das	QCA Logic Circuit Design in Application to Healthcare device design and simulation	DST	Rs 14,46,540

**EE**

<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
A Multilevel Transformer-less Inverter with a Ground Connection between PV Negative and Positive Terminals	AG Engineering	Rs 2,83,000
Rooftop PV Systems Provide Adaptive Harmonic Compensation in Residential Distribution	Habbtech Technologies	Rs 2,06,000
A Modified DC Power Electronic Transformer Based on Full Bridge Converter Series Connection	HV Engineering	Rs 3,54,000

**CE**

<b>Project title</b>	<b>Funding agency</b>	<b>Amount</b>
MODROBS on Modernization of Structural Engineering Laboratory	AICTE	Rs 8,74,000

**ME**

<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>
Design and fabrication of hydraulic spring testing machine.	BOSCH-RESX	Rs 9,12,000
Study of pneumatic metal sheet bending machine.	BOSCH-RESX	Rs 9,00,000
Fabrication of automatic pneumatic ramming machine.	BOSCH-RESX	Rs 9,00,000

**EIE**

<b>Investigator</b>	<b>Name of the funding Agency</b>	<b>Amount</b>
Dibyendu Sur	Habtech Technologies	Rs 35,000

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