



USHA MARTIN  
UNIVERSITY

Inclusion, Innovation & Ethics

### 3.1.2

LIST OF FACULTY MEMBERS WHO HAVE BEEN  
PROVIDED SEED MONEY DURING LAST FIVE YEARS  
(2018-2023)

  
19/04/2023  
Registrar  
कुल सचिव  
Usha Martin University  
उषा मार्टिन विश्वविद्यालय  
Ranchi-835103/रांची-835103

# Usha Martin University

Village Narayansoso, Near Angara Block Office, Ranchi - Purulia Highway,  
Angara, Ranchi - 835103, Jharkhand

## 3.1.2

### List of Faculty Members who have been provided seed money during last five years (2018-2023)

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### List of Faculty Members who have been provided seed money in the year 2022-23

S.No	Name of the Teacher	Title of Project	Duration	Amount granted (INR in Lakhs)
1	Dr. Leena Shrivastav	Blockchain-Based Authentication System for Supply Chain Management	1 Year	1.17
2	Ms. Shailza Nimmi Guria	Integrating Telehealth Services in Nursing Practice: Assessing the impact of telehealth platforms on patient access to care, nursing workload, and patient satisfaction.	1 Year	1.25
3	Dr. Aayushi Kumari	Consequences of Hamstring Tightness in University Students	1 Year	1.20
4	Ms. Sweta Toppo	Antagonistic and antimicrobial activity of Lactobacilli isolated from the urinary tract of female on <i>Proteus</i> species.	1 Year	1.30
5	Ms. Rupsa Seth	Exploring Non-Pharmacological Behavioural Interventions for Mitigating Cancer Treatment Side Effects in Children.	1 Year	1.25
6	Dr. Diksha Vishwakarma	Comparison study between myofascial release and passive stretching in upper trapezius myalgia subjects.	1 Year	1.20
7	Dr. Md. Saifiullah Khalid	Circular Economy Implementation in Retail Supply Chains	1 Year	1.15
8	Mr. Vikash Kumar	Antimicrobial sensitivity pattern & isolation of different species of <i>Proteus</i> from clinical samples from Jharkhand.	1 Year	1.20
9	Dr. Akansha Anand Saxena	Injury risk assessment in Badminton players	1 Year	1.25

10	Ms. Rupsa Seth	In-Vitro Assessment of Antioxidant and Antimicrobial Activities of Hydroalcoholic Extract from Boerhavia diffusa	1 Year	1.14
11	Dr. Madhu Vij	Developing a Platform for Collaborative Online Marketplaces	1 Year	1.19
12	Dr. Jagesh Kumar Ranjan	The water drainage problems	1 Year	1.20
13	Dr. Lopamudra Satapathy	Effect of plant growth regulators on plant growth and fruit quality of brinjal	1 Year	1.16
14	Mrs. Sangita Kujur	Research optimal methods for sample preservation, storage, and retrieval in biobanks, ensuring the integrity of biological specimens for research purposes.	1 Year	1.12
15	Dr. Pawan Kumar	Assess the effect of topical application of colostrum milk on newborns' umbilical cord healing	1 Year	1.08
16	Prof. Regina Rabello	Assess the awareness of stem cell collection among third trimester pregnant mothers	1 Year	1.15
17	Dr. Prakash Chandra Panda	Enhancing Digital Literacy Skills through Interactive E-Learning Modules	1 Year	1.22
18	Dr. Shimpi Kumari Chaturvedi	Promoting Literacy and Reading Habits in Underserved Communities	1 Year	1.20
19	Dr. Hemant Singh Rana	A Quasi Experimental study to assess the effectiveness of planned health teaching on knowledge of alcohol abuse in adolescent from selected school and junior college of Ranchi city	1 Year	1.16
20	Dr. Shubhra Shekhar Chakraborty	Heritability, Correlation and genetic divergence studies in Okra	1 Year	1.25

21	Dr. Arvind Kumar	Pilot Project Proposal on Promoting Organic Farming Practices for Healthy Agriculture	1 Year	1.30
22	Ms. Rupsa Seth	Pharmacist-Led Smoking Cessation Programs: Evaluating the effectiveness of pharmacist-led interventions in helping patients quit smoking.	1 Year	1.20
23	Dr. Aaditya Singh	Pharmacy Robotics and Automation: Examining the implementation of automated dispensing systems and robotic technology in pharmacy workflow.	1 Year	1.20
24	Dr. Ankit Kumar	Herbal and Dietary Supplement Safety: Analyzing the safety and potential interactions of herbal and dietary supplements with conventional medications.	1 Year	1.10
25	Dr. Amit Kumar Prasad	Spherically symmetric perfect fluid balls of class one in General Relativity	1 Year	1.08
26	Dr. Md. Amir Khusru Akhtar	Smart Irrigation for Sustainable Farming: A Low-Cost IoT Solution	10 Months	1.30
27	Dr. Abhishek Pandey	Enhancing Resin Transfer Molding Efficiency through Investigating the Curing Behaviour of Vinyl Ester Resin via Thermal and Viscoelastic Characterization	1 Year	1.25
28	Dr. Asim Ahamad	Analysis and design of a retaining wall	1 Year	1.10
29	Dr. Santosh Kumar Singh	Unraveling the Art of English Sound Production: An Exploration of Articulatory Phonetics in Selected schools of Ormanjhi Block Jharkhand	1 Year	1.20
30	Dr. Lopamudra Satapathy	Performance of various hybrids for growth, yield and quality analysis of Chili	1 Year	1.19

31	Dr. Alisha Kumari	Study of Genetic Diversity in Black gram” ( <i>Vigna mungo L</i> ) Germplasm.	1 Year	1.15
32	Ms. Shagufa Amber	ACL Injury prevention on young adults	1 Year	1.24
33	Dr. Amresh	Artificial Intelligence in Drug Discovery: Exploring how AI algorithms can accelerate the drug discovery process and identify potential therapeutic targets.	1 Year	1.30
34	Ms. Rojalini Samanta	Blockchain Technology for Drug Supply Chain Management: Exploring the potential of blockchain to enhance drug traceability, safety, and counterfeit prevention.	1 Year	1.29
35	Dr. Shailesh Narayan	Medication Adherence and Mobile Health (mHealth) Interventions: Investigating the effectiveness of mHealth tools in improving medication adherence among patients.	1 Year	1.18
36	Dr. Shamim	Augmented Reality (AR) in Pharmacy Education: Studying the use of AR technology to enhance pharmacy students' learning experiences and practical skills.	1 Year	1.19
37	Dr. Arvind Hans	Artificial Intelligence based on 360 degree performance appraisal system	1 Year	1.30
38	Dr. Tulshi Shringi	Investigate the use of HbA1c as a reliable diagnostic and monitoring tool for diabetes, including its accuracy in eastern population and its relationship with blood glucose levels.	1 Year	1.12
39	Ms. Shagufa Amber	Exploring the Microbial Diversity and Biotechnological Potential of Extreme Environments	1 Year	1.20

40	Dr. Sagar Masih	Implementing Nurse-Led Transitional Care Programs: Evaluating the effectiveness of nurse-led transitional care initiatives in reducing hospital readmissions and improving patient outcomes.	1 Year	1.20
41	Dr. Deepak Kumar Shandily	The Use of Artificial Intelligence in Nursing Workflow: Investigating how AI-powered tools can streamline nursing tasks, optimize patient care, and reduce administrative burden.	1 Year	1.25
42	Dr. Narsingh Malav	Gamification of Cardiopulmonary Resuscitation Training	1 Year	1.15
43	Dr. Abhishek Pandey	Iot Based Health Monitoring System	1 Year	1.25
44	Dr. Gaurav Kumar	Flood Detection And Alerting System And Method Thereof	1 Year	1.20
45	Dr. Shiv Bhadra Singh	Composition For Treating And Preventing Neurodegenerative Disorders And Method Of Synthesis Thereof	1 Year	1.25
46	Dr. Aman Roshan	AI-Powered Customer Support System for E-Commerce	1 Year	1.27
47	Dr. Pallavi Harod	A Study to Assess the Effectiveness of Mindfulness Training Program on Stress Reduction and Level of Adjustment among Students of Selected Nursing Colleges of Ranchi, Jharkhand	1 Year	1.06
48	Dr. S M Muzammil Hasnain	Solar Ship	1 Year	1.29
49	Dr. Ritushree Narayan	Pilot project on local medicinal herbs/shrubs: yeild value, quality testing and standardization	1 Year	1.24

50	Dr. Md. Modassir Khan	Stair Climbing Mechanism To Lift Load Over Stairs	1 Year	1.29
51	Dr. Sharmistha Roy	Ai Based Chatbot For Educational Industry	1 Year	1.20
52	Dr. Sher Jung	An Unmanned Aerial Vehicle Based Method and System for Patrolling over Search and Rescue Area	1 Year	1.25
53	Dr. Lokesh Kumar	Foot Step Mobile Charging	1 Year	1.20
54	Dr. Md. Amir Khusru Akhtar	MetaHeal: Enhancing Medical Diagnosis and Image Analysis with Metaheuristic Optimization in Healthcare	1 Year	1.10
55	Dr. Swapna Vijay Gavande	Advanced Intra-nasal drug delivery device	1 Year	1.20
56	Dr. Asim Ahmad	Rechargeable Portable Mist Fan With Solar Panel	1 Year	1.25
57	Dr. Naghma Khatoon	AI-Driven Pricing Strategies for Online Retailers	1 Year	1.25
58	Dr. Kamal Kumar Srivastava	Street Cleaner Robot	1 Year	1.25
59	Dr. Ramendra Kumar Gautam	IoT based Virtual Doctor Robotic system	1 Year	1.26
60	Dr. Vipin Kumar	Fixed focal point convex mirror solar water heater integrated with embedded solar power generation	1 Year	1.28
61	Dr. Naghma Khatoon	Cold chain solutions for Indian dairy sectors with data analytics	1 Year	1.25



62	Dr. Abhishek Kumar	Gel formulation for promoting growth of plant and method for preparation thereof.	1 Year	1.28
63	Dr. Vivek Chourasia	Diterpenic Gabdane Galactofuranosides: Isolation & Characterization	1 Year	1.25
64	Dr. Ritushree Narayan	Wastewater Treatment device	1 Year	1.31
65	Dr. Reetesh Yadav	Methods of inhibiting microbial infections using zinc-containing compositions and an anti-microbial agent	1 Year	1.25
66	Dr. Kaminee Sahu	Systematic approach for estimation of lamotrigine in bulk and pharmaceutical formulations through development and validation of HPLC method	1 Year	1.24
67	Dr. Bharat Bhusan Sharma	HR Analytics and Implementation in Education Sector	1 Year	1.20
68	Dr. Rohit Kumar	Design of Solar Powered Seed Sprayer Machine with IoT sensor	1 Year	1.20
69	Dr. Krishna Gopal Sharma	Exploring the Impact of Repeated Simulation Experience on Self-Confidence, Critical Thinking, and Competence of Nurses and Nursing Students in Jharkhand	1 Year	1.20
70	Dr. Manoj Kumar Sahoo	Branding of indigenous rice beer (Handia)	1 Year	1.30
<b>Total</b>				<b>84.90</b>

  
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## List of Faculty Members who have been provided seed money in the year 2021-22

S.No	Name of the Teacher	Title of Project	Duration	Amount granted (INR in Lakhs)
1	Dr. Shailesh Narayan	Risk assessment of winged bean starch as Pharmaceutical Excipient	10 Months	1.13
2	Dr. Meenakshi Kumari	The Impact of Sustainable Finance Initiatives on Corporate Financial Performance and Risk: A Comparative Analysis of ESG Integration Strategies	1 Year	1.25
3	Dr. Rupa Kumari	Usage of ICT in teaching learning: A study of the pandemic	1 Year	1.25
4	Dr. Aaditya Singh	Advocating Post-Operative Nurse-Led Care with Emphasis on Anesthesia in Indian Hospitals	1 Year	1.24
5	Dr. Dinesh Pandey	Eco-Friendly Packaging Options for E-Commerce Businesses	1 Year	1.20
6	Ms. Rojalini Samanta	Developing and evaluating the cultural competence in healthcare.	1 Year	1.09
7	Dr. Kirti Jain	Exploring the Feasibility of Drone Delivery in E-Commerce	8 Months	1.08
8	Dr. Vikas Bhargaw	AI-Driven Fraud Detection in Financial Transactions	10 mnths	1.15
9	Dr. Asim Ahamad	Design and Optimization of a Bio-inspired Robotic Limb for Prosthetic Applications	1 Year	1.20
10	Dr. Nanda Shakti	Designing and Testing a Wearable Energy-Harvesting Device for Biomedical Applications	7 Months	1.22
11	Dr. Lopamudra Satapathy	Developing Climate-Resilient Seed Varieties for Enhanced Agricultural Productivity	10 Months	1.20
12	Dr. Alisha Kumari	Empowering Women Farmers: A Seed Money Initiative for Gender-Responsive Agriculture	1 Year	1.02
13	Dr. Rupa Kumari	Digital Literacy in the 21st Century: Necessity, Challenges, and Implications for Education and Society"	1 Year	1.10
14	Ms. Rojalini Samanta	Precision Medicine in Pharmacy Practice: Examining the implementation of pharmacogenomics to personalize medication therapy for individual patients.	10 Months	1.12

15	Dr. Deepak Patel	Pharmacist-Led Antimicrobial Stewardship Programs: Evaluating the role of pharmacists in optimizing antibiotic use and combating antimicrobial resistance.	1 Year	1.11
16	Dr. Vivek Chourasia	Exploring Non-Drug Behavioral Interventions for Alleviating Cancer Treatment Side Effects in Children	1 Year	1.13
17	Ms. Sweta Toppo & Mr. Vikash Kumar	Prevalence and antimicrobial susceptibility pattern of bacterial pathogens in UTI infection	1 Year	1.20
18	Dr. Shailesh Narayan	Phytochemical Analysis of Traditional Medicinal Plants in India	8 Months	1.17
19	Dr. Anupama Verma	Piloting Social Media Advertising Campaigns for E-Commerce	1 Year	1.25
20	Dr. Lokesh Kumar	Evaluation of Safety Management Systems in Large-Scale Mining Operations: A Comparative Study	1 Year	1.20
21	Dr. Shubhra Sekhar Chakraborty	Innovative Agri. Tech Solutions for Small Farms: A Seed Funding Initiative	10 Months	1.29
22	Dr. Jagesh Kumar Ranjan	Screening of Different Cowpea Varieties for Resistance Against Major Insect Pests in Jharkhand	1 Year	1.04
23	Dr. Amit Kumar Sharma	Revitalizing Rural Agricultural Communities through Agri-Entrepreneurship	10 Months	1.22
24	Dr. Krishnapal Singh	Strengthening Agricultural Extension Services for Knowledge Transfer and Training	9 Months	1.30
25	Dr. Pankaj Tiwari	Telepharmacy Services in Underserved Areas: Investigating the use of telepharmacy to improve medication access and healthcare services.	11 Months	1.07
26	Dr. Reetesh Yadav	Pharmacists' Integration into Primary Care Teams: Studying the benefits of incorporating pharmacists into primary care settings to optimize medication management and patient care.	7 Months	1.08
27	Dr. Shoeb Khan	Child Rights and Child Development: A comparative analysis of Jharkhand and Bihar	1 Year	1.15
28	Dr. Sailesh Kumar Sarangi	Investigation on the causes of pavement failure	10 Months	1.20
29	Dr. Nanda Shakti	Synthesis and characterization of two dimensional materials.	1 Year	1.18

30	Ms. Rojalini Samanta	Pharmacist Involvement in Medication Therapy for Geriatric Patients: Evaluating the impact of pharmacist-led medication reviews and interventions in the elderly population.	1 Year	1.30
31	Dr. Ajit Kumar	Phonetic Sound Mapping of Angara Block: Identifying Speech Patterns and Characteristics	8 Months	1.25
32	Dr. Shimpi Kumari Chaturvedi	Improving English Pronunciation: Phonetics Training for +2 Students in Angara Block"	1 Year	1.23
33	Dr. Naghma Khatoun	Life Span Prediction of India Coal Mines in Gondwana Coalfields to protect the Environment Ecology	1 Year	1.20
34	Dr. Md. Amir Khusru Akhtar	Advancing Conscious Artificial Intelligence through Machine Awareness	1 Year	1.25
35	Ms. Tulika Sinha	Mitigating industrial pollution in Jharkhand : Legal Strategies for a cleaner Environment	1 Year	1.30
36	Dr. Diksha Vishwakarma	A study of the Immediate & short term effect of MFR versus neural mobilization on pain & range of motion (rom) in individuals with unilateral cervical radiculopathy	1 Year	1.06
37	Dr. Md. Amir Khusru Akhtar	Affordable Smart Irrigation: Remote Monitoring and Control System	1 Year	1.25
38	Dr. Arvind Hans	Social Commerce: Integrating Shopping with Social Media	1 Year	1.23
39	Mrs. Sangita Kujur	A comparative study to know the hematological profile and biochemical profile among children with severe acute malnutrition and healthy children	10 Months	1.25
40	Dr. K. Jyotsna	Exploring the Role of Mathematics in Data Science: Building a Foundation for Cross-Disciplinary Research.	1 Year	1.25
41	Dr. Sailesh Kumar Sarangi	Development of Energy-Efficient Wireless Charging Systems for Electric Vehicles	1 Year	1.21
42	Dr. Vipin Kumar	Investigation of Novel Power Electronics Topologies for High-Frequency Inductive Heating Applications	1 Year	1.04
43	Dr. Vinay Mishra	Integration of Artificial Intelligence for Fault Detection and Diagnostics in Power Distribution Systems	8 Months	1.07

44	Dr. Lokesh Kumar	Analyzing the Structural Behavior and Durability of High-Performance Fiber-Reinforced Concrete	1 Year	1.20
45	Prof. B N Dubey	Incorporating Green Spaces in Urban Planning for Improved Air Quality and Community Well-being	1 Year	1.25
46	Dr. Venkata Naga Lakshmi Durga	Investigating the Kinetics of Epoxy Resin Curing in Resin Transfer Molding Process	1 Year	1.22
47	Dr. Prakash Chandra Panda	Digital English: Integrating Technology for Language Learning in Technical Institution/Universities and Colleges of Ranchi District	1 Year	1.30
48	Dr. Shimpi Kumari Chaturvedi	Entrepreneurial Success: Nurturing Soft Skills for Graduating Students in Ranchi	1 Year	1.20
49	Dr. Jayantika Pal	Developing a Math Outreach Program for Underrepresented Communities: Bridging the Achievement Gap.	10 Months	1.20
50	Dr. Rajeev Kumar	Route survey and design of pavement of road	8 Months	1.13
51	Dr. Suneet Kumar Dwivedi	Analysis and Awareness about Witchcraft in the tribal communities of Jharkhand	1 Year	1.15
52	Ms. Tulika Sinha	Study on the Importance of Police Accountability and its Impact on the Governance of Criminal Justice System in the State of Jharkhand	7 Months	1.23
53	Dr Lopamudra Satapathy	A Pilot Project Proposal on Enhancing Crop Productivity through Precision Farming Techniques	11 Months	1.20
54	Dr. Berandra Kumar Singh	Genetic variability, heritability and correlation studies for growth, yield and fruit quality in Tomato ( <i>Solanumlycopersicum L.</i> )	8 Months	1.10
55	Dr. Ashok Kumar	Harnessing Solar Energy for Efficient Irrigation in Agriculture	1 Year	1.25
56	Dr. Azhar Khan	Market Expansion Strategy for Small Retailers: A Pilot Project	1 Year	1.17
57	Dr. Sharmistha Roy	IoT-Based Environmental Monitoring with AI Analytics	1 Year	1.25
58	Dr. Gunendra Kumar	Emotional Intelligence for University Youth: Cultivating Soft Skills in Ranchi's Communities	1 Year	1.30
59	Dr. Aayushi Kumari	Investigating the Impact of Footwear on Gait, Posture, and Musculoskeletal Injury Risk	1 Year	1.12

60	Ms. Sweta Toppo	Investigate the impact of aging on haematopoiesis, hematologic disorders, and immune function.	1 Year	1.17
61	Ms. Tulika Sinha	Examining Online Gambling as a Cybercrime in India, with Emphasis on Betting and Online Games: A Comprehensive Evaluation.	1 Year	1.20
62	Dr. Shahnaaz Zabi	AI-Generated News: Investigating the ethical implications and credibility of using artificial intelligence to generate news articles and reports.	1 Year	1.22
63	Dr. Rupa Kumari	Data Journalism and Visualization: Analyzing the use of data visualization techniques to present complex information in a visually compelling and informative manner.	8 Months	1.15
64	Dr. Ankit Kumar	Exploring the Potential of 3D Printing in Pharmaceutical Manufacturing: Investigating the use of 3D printing technology to create personalized dosage forms and medical devices.	10 Months	1.25
65	Dr. Ruchi Patel	Creating a Marketplace for Sustainable and Ethical Products	1 Year	1.20
66	Ms. Rojalini Samanta	Patient-Centered Medication Labeling: Assessing the usability and effectiveness of patient-centered medication labels to enhance medication understanding and safety.	1 Year	1.25
67	Dr. Kaminee Sahu	Formulation Development of Polyherbal Products for Anti-Acne Action	1 Year	1.15
68	Ms. Shagufa Amber	Effect of Aquatic therapy and balance board exercises on balance and coordination problem in patient with Parkinson.	1 Year	1.18
69	Dr. Pankaj Tiwari	Pharmacists role in palliative care; studying the contribution of pharmacists in managing symptoms, optimizing medication uses, and improving quality of life	1 Year	1.10
70	Prof. B. N. Dubey	Hybrid Solar Cooling System	1 Year	1.15
71	Dr. Lopamudra Satapathy	Eco-Friendly Biofertilizer Composition For Plant Growth	1 Year	1.20
72	Dr. Shailendra Pal Singh	Innovative Approaches to Mine Waste Management and Tailings Reprocessing for Environmental Sustainability	1 Year	1.15

73	Dr. Rajeev Kumar	Assessment of Sustainable Mining Practices and Social Responsibility in Mining Companies	1 Year	1.25
74	Dr. Sohail Akhtar	Solar Charged Unmanned Aerial Vehicle (Uav)	1 Year	1.30
75	Dr. Ritushree Narayan	Tulsi devotiona plant: As a natural rooting hormone	1 Year	1.20
76	Dr. Vinay Mishra	Process design for recycling of grey water by using corn cob as an adsorbent	1 Year	1.30
77	Dr. Munish Kumar Sharma	AI-Driven Financial Transformation: A Project Proposal	1 Year	1.24
78	Dr. Dinesh Pandey	Impact of ICT in Teacher Education: Exploring Behavioral Attitudes of Students	1 Year	1.18
79	Dr. Rashmi Kumari	Depictions of Childhood and Women in Contemporary Indian Cinema: A Descriptive Analysis	1 Year	1.30
80	Dr. Arvind Hans	Artificial Intelligence-based data authentication fot cyber security of Hotel's property management system using Deep learning.	1 Year	1.20
81	Dr. Utpal Singh Verma	A study on price spread and marketing of milk and various milk products	1 Year	1.15
			<b>Total</b>	<b>96.49</b>

*(Signature)*  
19/04/2025

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## List of Faculty Members who have been provided seed money in the year 2020-21

S.No	Name of the Teacher	Title of Project	Duration	Amount granted (INR in Lakhs)
1	Prof. B.N. Dubey	Potable solar tubs system for surface mining	1 Year	1.21
2	Dr. Jagesh Kumar Ranjan	Enhancing the Thermal Performance of Unsaturated Polyester Resin Composites through Nanofiller Incorporation	1 Year	1.10
3	Dr. Lokesh Kumar	Development of a Low-Cost Wearable Health Monitoring Device for Remote Patient Monitoring	1 Year	1.30
4	Dr. Md. Amir Khusru Akhtar	Smart City Vehicle Accident Monitoring and Detection System with Raspberry Pi 4 and MEMS/GSM/GPS Integration	9 Months	1.20
5	Dr. Shiv Prakash Singh	White Collar Crimes by Indian Companies in Shadow of Economy.	1 Year	1.30
6	Dr. Shubhra Sekhar Chakraborty	Assessment of the effectiveness of waste organic materials as promising substitute to sewage sludge for the treatment of acid mine water	1 Year	1.23
7	Dr. Dinesh Kumar Pandey	Problem of managing small scale business in the rural area(angara )	10 Months	1.21
8	Dr. Nanda Shakti	Optimizing Solar Cell Efficiency using Quantum Dot Nanotechnology	1 Year	1.15
9	Prof. B N Dubey	Innovative Approaches to Enhancing the Durability and Sustainability of Concrete in Marine Environments	8 Months	1.17
10	Ms. Tulika Sinha	Legalisation of Prostitution in India: An Analytical Study	10 Months	1.14
11	Dr. Abhishek Pandey	Design of Switched Capacitor Circuit based Sigma-Delta ADC for CMOS Temperature Sensor	1 Year	1.18
12	Dr. Venkata Naga Lakshmi Durga	Evaluating the Impact of Green Roofs on Urban Stormwater Management and Building Energy Efficiency	1 Year	1.09
13	Dr. Lopamudra Satapathy	Adopting Regenerative Agriculture Practices for Soil Health and Carbon Sequestration	1 Year	1.30



14	Dr. Shoeb Khan	Assessing the Efficacy of Government Initiatives in Curtailing Court Cases in Jharkhand: A Study on the Impact of Lok Adalats, Evening Courts, Fast-Track Courts, and Naari-Adalats in Facilitating Justice Delivery.	8 Months	1.30
15	Ms. Tulika Sinha	An Investigation into Gambling in India: Analyzing Legal and Economic Aspects	1 Year	1.25
16	Dr. Prakash Chandra Panda	Peer Tutoring in English: Fostering Language Improvement among +2 Students of Tatisilwayi, Ranchi Jharkhand	1 Year	1.14
17	Dr. Jayantika Pal	A Study on the Randomness of the Decimal Expansion of some Irrational Numbers for their Possible Use as Random Number Generators	1 Year	1.20
18	Dr. Himanshu Verma	Virtual Reality (VR) Training Simulations for Skill Development	1 Year	1.25
19	Dr. Vinay Singh	Enhancing IT Infrastructure for Remote Work Capabilities	1 Year	1.30
20	Dr. Abhishek Pandey	Technique used for position of DG units in distribution network	1 Year	1.30
21	Dr. Rohit Kumar	Healthcare monitoring using IoT devices enhanced by artificial intelligence.	1 Year	1.08
22	Dr. Md. Amir Khusru Akhtar	Designing an IoT-Based Smart City Model on Raspberry Pi	1 Year	1.25
23	Dr. Anupama Verma	Innovative Marketing Strategies for Local Retailers	1 Year	1.18
24	Dr. Leena Srivastava	Eliminating sexual harassment in the workplace	1 Year	1.20
25	Dr. Qaim Mehdi	IoT-Enabled Smart Transportation with AI Algorithms	1 Year	1.20
26	Dr. Arvind Hans	Microfinancing Initiatives for Small Online Businesses	1 Year	1.30
27	Dr. Meenakshi Kumari	The best marketing strategies that satisfy customer's needs	1 Year	1.20
28	Dr. Ashutosh Shukla	Integrating Green Practices into E-Commerce Fulfillment	10 Months	1.10
29	Dr. K Jyotsna	Developing Mathematical Models for Analyzing and Predicting Socio-Economic Trends.	8 Months	1.15
30	Dr. Abhishek Pandey	Exploring the Feasibility of Nanoelectronics for Ultra-Fast and Low-Power Computing	7 Months	1.25
<b>Registrar</b> कुल सचिव			<b>Total</b>	<b>36.23</b>

## List of Faculty Members who have been provided seed money in the year 2019-20

S.No	Name of the Teacher	Title of Project	Duration	Amount granted (INR in Lakhs)
1	Dr. Sharmistha Roy	AI based Chatbot for Educational Industry	1 Year	1.20
2	Dr. Ritushree Narayan	Automatic Car Parking system and Method	1 Year	1.15
3	Dr. Md. Amir Khusru Akhtar	Understanding Botnet Dynamics and Mitigation Strategies in India	1 Year	1.18
4	Dr. Md. Amir Khusru Akhtar	Cooperative MANETs with Compressive Sensing for Enhanced Communication	1 Year	1.27
5	Dr. Anupama Verma	Automating HR Processes for Enhanced Efficiency	1 Year	1.25
6	Dr. Shahnaaz Zabi	A study of persuasive science stories and healthcare misinformation among social media users	7 Months	1.12
7	Dr. Arvind Hans	Evaluating the Benefits of Cross-Functional Teams in Organizations	1 Year	1.22
8	Dr. Shubra Sekhar Chakraborty	Estimation of heavy metals in soil extracts and crops grown near Municipal Solid Waste (MSW) dumped sites of Ranchi and other industrial sites of Ranchi; and Health Risk Assessment of Heavy Metals in Soil and Vegetables	1 Year	1.22
9	Dr. Lopamudra Satapathy	Empowering Smallholder Farmers with Climate-Resilient Farming Practices	1 Year	1.15
10	Dr. Shimpi Kumari Chaturvedi	Enhancing Employability through English Communication: Skills Training for Government Universities in Ranchi District	1 Years	1.14
11	Dr. Nanda Shakti	Fabrication of Graphene based Transistor	4 Months	1.13
12	Dr. Dinesh Pandey	Microfinancing for Small Business Growth: A Field Experiment	1 Years	1.08
13	Dr. Abhishek Pandey	Methodology of Design and Implementation of a Smart Grid System for Efficient Energy Management in Smart Cities	1 Year	1.15
14	Dr. K Jyotsna & Dr. Jayantika Pal	Investigating the Feasibility of Using Virtual Reality for Geometric Visualization in Geometry Education	1 Year	1.20
15	Dr. Lokesh Kumar	Application of Advanced Geostatistical Methods for Resource Estimation in Underground Mining	1 Year	1.25

16	Dr. Lokesh Kumar	Design and Optimization of a Compact and Energy-Efficient Wind Turbine Blade	9 Months	1.09
17	Dr. Prakash Chandra Panda	Language Access and English Proficiency in Angara Block: A Community-Based Study	1 Years	1.15
18	Dr. Abhishek Pandey	Development of flexible and freestanding nanostructured poly(m-aminophenol)/Graphene Oxide (GO) hybrid nanocomposites for Supercapacitor applications	8 Months	1.30
19	Dr. Shimpi Kumari Chaturvedi	Enhancing English Communication Skills: A Comprehensive Training Program for higher secondary schools of Angara Block .	1 Year	1.10
20	Dr. Nanda Shakti	Growth of semiconducting nanowires	1 Years	1.30
21	Dr. Anupama Verma	Evaluating the Impact of Customer Reviews on Online Sales	1 Year	1.18
22	Dr. Jagesh Kumar Ranjan	Development of Advanced Polyurethane Interpenetrating Networks (PU-IPNs) for Enhanced Material Performance	8 Months	1.20
23	Dr. Nanda Shakti	Breaking Boundaries: Advanced Materials for Next-Gen Technology"	1 Years	1.20
24	Dr. K. Jyotsna,	A clustering based web prefetching in high traffic environment	1 Year	1.22
25	Dr. Nagma Khatoon	AI-Assisted Waste Reduction Strategies using IoT	1 Year	1.25
26	Dr. Nitendra Singh	Elevating English Proficiency: Empowering Educators in Tatisilwayi and Angara Block, Jharkhand	1 Year	1.20
27	Dr. Prakash Chandra Panda	Leveraging ICT in teaching English in the selected secondary schools of Angara Block, Jharkhand	7 Months	1.25
28	Dr. Shashank Swami	Design and Development of Solar thermal collector integrated with Thermal Energy storage system	1 Year	1.06
29	Dr. Akansha Anand Saxena	Comparative study on effect of Muscle Energy Technique (MET) Vs Spinal mobilisations on treating musculoskeletal dysfunction in non-specific mechanical Low back pain patients	1 Year	1.23
30	Dr. Vinay Singh	Mobile App Development for Field Service Management	1 Year	1.29
			<b>Total</b>	<b>35.73</b>

  
**Registrar**  
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## List of Faculty Members who have been provided seed money in the year 2018-19

S.No	Name of the Teacher	Title of Project	Duration	Amount granted (INR in Lakhs)
1	Dr. Sharmistha Roy	End-to-End data security in Mobile Ad-Hoc Network for surveillance by Army System using Light Weight Cryptography	1 Year	1.20
2	Dr. Ritushree Narayan	Blockchain-Based Data Privacy in AI and ML Applications	1 Year	1.20
3	Dr. Vinay Singh	AI-Powered Personalized NFTs in the Metaverse	1 Year	1.07
4	Dr. Arvind Hans & Dr. Anupama Verma	Digitizing Supply Chain Management: A Pilot for Small Businesses	1 Year	1.15
5	Dr. Anupama Verma	Promoting Local Artisans through E-Commerce Platforms	1 Year	1.10
6	Dr. Arvind Hans & Dr. Ritushree Narayan	Pilot project on local medicinal herbs/shrubs: yeild value, quality testing and standardization	1 Year	1.10
			<b>Total</b>	<b>6.82</b>

  
 19/04/2023  
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