

**List of the qualified Projects in Collaborative Research Scheme (CRS) under TEQIP-III Program at Aryabhata Knowledge University,
Patna (File No.005/Exam./1060/AKU/2019 Meetings (TEQIP III))**

Sl. No.	PI	Institute	Department	Title of the Project	Email ID	Approved Proposed Amt.	25% Amt. already funded
1	Dr. Nirmal Kumar	Gaya College of Engineering, Gaya	Civil Engineering	Modeling and Mapping Soil Infiltration Rates of Gaya Districts	nirmalmit@rediffmail.com	3,00,000.00	75,000.00
2	Bijendra Kumar	Bakhtiyarpur College of Engineering, Patna	Civil Engineering	Hydrogeochemical characterization and groundwater quality of Patna urban agglomeration in the middle gangetic plains, Eastern India.	bijendra2k8@gmail.com	3,00,000.00	75,000.00
3	Aditya Kumar	Darbhanga College of Engineering, Darbhanga	Civil Engineering	Use of reclaimed asphalt pavement and Demolition Waste material for sustainable road construction for low volume road in India	Kaditya557@gmail.com	3,00,000.00	75,000.00
4	Mr. Jayant Kumar	Katihar Engineering College, katihar	Mechanical Engineering	Processing and mechanical characterization of bagasse fiber reinforced composites	Jayant906@gmail.com	3,00,000.00	75,000.00
5	Dr. Arbind Prasad	Katihar Engineering College, katihar	Mechanical Engineering	Functional nano-bioactive bioabsorbable biofilm for bone regeneration and possible sealant for internal fixation devices.	arbind.geit@gmail.com	3,00,000.00	75,000.00
6	Dr. Akash Priyadarshi	MIT Muzaffarpur	Civil Engineering	Development of economical water purification kit for utilization during food period flooded region	i.akashpriyadarshee1@gmail.com	3,00,000.00	75,000.00
7	Rana Pratap Singh	Katihar Engineering College, katihar	Civil Engineering	Wastewater Treatment Using Pva-Gel Media	rps.eng@gmail.com	3,00,000.00	75,000.00
8	Mr. Vijay Kumar	MIT Muzaffarpur	Civil Engineering	Micro-Zonation of Muzaffarpur City and seismic Analysis of Adjacent structures	kumar2vijay@gmail.com	3,00,000.00	75,000.00

9	Aditya Raj	Loknayak Jai Prakash Institute of Technology Chapra	Civil Engineering	Flood forecasting in the Kosi River basin of Bihar using machine learning model, the Relevance Vector Machine Predictor (RVMP) and GIS	adityaraj126@gmail.com	3,00,000.00	75,000.00
10	Raushan Ranjan	Gaya College of Engineering, Gaya, Bihar	Civil Engineering	Study of replacement for Coarse-Aggregate in Structural Concrete by	raushan.ranjan@gmail.com	3,00,000.00	75,000.00
11	Anil Kumar	Motihari College of Engineering, Motihari	Civil Engineering	Experimental & Computational Studies of Brick Manufacture by Agro-Waste Ashes	anil.20688@gmail.com	2,70,000.00	67,500.00
12	Jitendra Kumar	Darbhanga College of Engineering	Civil Engineering	Water sustainability in Darbhanga District	Jitendrak.dce@gmail.com	3,00,000.00	75,000.00
13	Nandini Kumari	Loknayak Jai Prakash Institute of Technology Chapra	Civil Engineering	Distribution and Forecasting Extremes of Bihar Rainfall and Drought scenario	nandinikumari1212@gmail.com	2,90,000.00	72,500.00
14	Sunny Chandra	Government Engineering College, Banka	Mechanical Engineering	Assessment of heat transfer performance and pressure drop of a microchannel heat sink	sunnychandra27@gmail.com	3,00,000.00	75,000.00
15	Md. Zishanur Rahman	Nalanda College of Engineering, Chandi (Nalanda)	Mechanical Engineering	Development of cost effective micro ECM and micro ECDM setup for fabrication of micro features.	rzishan10@gmail.com	3,00,000.00	75,000.00
16	Rishabh Raj	Loknayak Jai Prakash Institute of Technology Chapra	Civil Engineering	Study of the vanishing wetlands of indo-gangetic plains of Bihar using remote sensing and GIS with a special focus on kabartal wetland, Begusarai	rishabh.raj90@gmail.com	3,00,000.00	75,000.00
17	Mr. Saurabh Kumar	Purnea College of Engineering	Civil Engineering	Effect of Rainfall on Reinforced slope Embankment	er.saurabh009@gmail.com	3,00,000.00	75,000.00
18	Dr. Surya Kumar	Katihar Engineering College, katihar	Mechanical Engineering	Solar Assisted Steam Generation Using Latent Heat of Vaporization in Multiple Stages	mechsurya@hotmail.com	3,00,000.00	75,000.00
19	Mr. Pappu Kumar	Nalanda College of Engineering	Mechanical Engineering	Production & testing biodiesel from seed of Argemone Mexicana (Katila)	pkumar88417@gmail.com	2,90,000.00	72,500.00

20	Saket Kumar	MIT Muzarffarpur	ECE	Design of MIMO Antenna using Machine Learning for Reliable V2X Communication	sgsaket1@gmail.com	3,00,000.00	75,000.00
21	Digember Kumar	Nalanda College of Engineering, Chandi	Computer Science of Engineering	Counterfeit Medicine Detection System Using Blockchain	digember.kumar85@gmail.com	2,90,000.00	72,500.00
22	Km. Sharda Gupta	Motihari College of Engineering, Motihari	Civil Engeeing	Utilization of E-waste in stablization of subgrade in flexible Pavement for urban Road using analytical and experimental approach	salugupta232@gmail.com	2,80,000.00	70,000.00
23	Krishnendu Adhikary	Loknayak Jai Prakash Institute of Technology Chapra	Applied Science (Mathematics)	A Multi-Objective Newsboy Problem with Random Fuzzy Demand	krish.math23@gmail.com	2,80,000.00	70,000.00
24	Raushan Kumar	Nalanda College of Engineering, Chandi	Computer Science of Engineering	Land Registry Protocol using Blockchain	raushankumar.nitdgp@gmail.com	2,20,000.00	55,000.00
25	Krishnakant Chaubey	Loknayak Jai Prakash Institute of Technology Chapra	Electrical & Electronincs Engineering	Patient-Oriented ECG Beat Classification Using Machine Learning Approach	kkc18aug@gmail.com	2,95,000.00	73,750.00
26	Mr. Manikant Kumar	MIT Muzarffarpur	Leather Technology	Study of major water pollutants from Ganga river and the rural vicinity	manikantfddi@gmail.com	3,00,000.00	75,000.00
27	Ghausul Azam Ansari	Motihari College of Engineering, Motihari	Civil Engeeing	Utilization Agro waste ash in stablization of subgrade Pavement in Rural road.	tausheefakhtar@gmail.com	2,80,000.00	70,000.00
28	Shradhya Singh	Loknayak Jai Prakash Institute of Technology Chapra	Electrical & Electronincs Engineering	Breast Cancer Detection using III-V Group material based devices	shradhyasingh92@gmail.com	2,95,000.00	73,750.00
29	Mr. Ashutosh Kumar	Motihari college of Engineering, Motihari	Mechanical	Ergonomic Intervention for analysis of Work posture and finding of Musculoskeletal disorders (MSDs) in small scale industries of Bihar	ashutoshceb@gmail.com	2,80,000.00	70,000.00
30	Saket Saurabh	Katihar Engineering College, katihar	Electrical & Electronincs Engineering	Renewable Distributed Generation Integration in Patna City to minimize loss in local distribution network	saket.srb@gmail.com	3,00,000.00	75,000.00

31	Dr. Md. Masood Ahmad	Maulana Aza College of Engineering & Technology Patna	Civil Engineering	Design of Smart Irrigation System in Sone Command Area, Bihar for Paddy Crop	masood.macet@gmail.com	3,00,000.00	75,000.00
32	Om Prakash Sudhanshu	Gaya College of Engineering, Gaya, Bihar	Civil Engineering	Study on Greywater Recycling strategies for water conservation.	omprakash.nitt@gmail.com	3,00,000.00	75,000.00
33	Md. Nadir	Bhagalpur College of Engineering	Civil Engineering	Adsorptive removal of heavy metals from wastewater by hydroxyapatite composites	mdnadir12@gmail.com	3,00,000.00	75,000.00
34	Ashish Kumar	MIT, Muzaffarpur	Civil Engineering	Development of a fixture for measurement of pavement noise in urban areas.	ashishce@mitmuzaffarpur.org	3,00,000.00	75,000.00
35	Abhishek Kumar Ravi	Purnea College of Engineering, Purnea	Civil Engineering	Use of Waste Materials in Highway Construction: An Evaluation of the Recycled concrete aggregate.	abhishek.ce24@gmail.com	3,00,000.00	75,000.00
36	Preetam Amrit	Loknaya Jai Prakash Institute of Technology, Chapra	CSE	Development of watermarking method for security of patient records in healthcare applications	preetamism@gmail.com	3,00,000.00	75,000.00
37	Ritesh Kumar	Bhagalpur College of Engineering	Mechanical Engineering	Investigation of Heat Transfer enhancement and fluid flow characteristic in novel geometries for electronic cooling.	ritesh.kumar.mec11@gmail.com	3,00,000.00	75,000.00
38	Raushan Kumar	BCE Bakhtiyarpur	Civil Engineering	Experimental Investigation on Abrasion Resistance Fibre Reinforced Concrete using Smart Material.	raushanmit2k8@gmail.com	3,00,000.00	75,000.00
39	Dr. Shambhu Shankar Bharti	Loknaya Jai Prakash Institute of Technology, Chapra	CSE	Trust server for creating secure digital media on social sites.	shambhu4u08@gmail.com	3,00,000.00	75,000.00

40	Dr. Rakesh Kumar Singh	Aryabhata Knowledge University, Patna	Centre for Nanoscience and Nanotechnology	Preparation, Structural, Magnetic and Optical Properties of non Stoichiometric K ¹⁺ /Li ¹⁺ substituted Magnesium Ferrite Magnetic Nano M materials as Functional Materials.	raks4rakesh@gmail.com	3,00,000.00	75,000.00
41	Dr. Amit Kumar Singh	Bhagalpur College of Engineering	ECE	Design and Simulation of Integrated Optoelectronics Directional coupler in Silicon-On-Insulator Substrate for Optimizing Bandwidth and extinction Ratio.	amit.diatm@gmail.com	3,00,000.00	75,000.00
42	Surya Kant Singh	Loknayak Jai Prakash Institute of Technology, Chapra	CSE	Complex salient object detection	suryakantsingh20@gmail.com	3,00,000.00	75,000.00
43	Amitesh Prakash	Bhagalpur College of Engineering	Electrical Engineering	Load Forecasting and Predictive Analysis of Power Generating Units using Machine Learning & Big Data Analytics.	amitesh.nitjsr1@gmail.com	2,95,000.00	73,750.00
44	Dr. Santosh Agrawal	Gaya College of Engineering, Gaya, Bihar	Mathematics	Analytical and numerical study of hydrodynamic lubrication of bearings with non-Newtonian lubricant.	ismsant12@gmail.com	3,00,000.00	75,000.00
45	Dharmveer Kumar Yadav	Katihar Engineering College	CSE	Development of Machine Learning Solution for the Early Diagnosis of Diabetes.	kumar.dharmveer@gmail.com	3,00,000.00	75,000.00
46	Govind kumar Jha	Bhagalpur College of Engineering	CSE	Machine Learning Approach to Recommend Malignant People in Social Network.	gvnd.jha@gmail.com	3,00,000.00	75,000.00
47	Dr. Manish Parashar	Aryabhata Knowledge University, Patna	Centre for Geographical Studies	Analysis of Spatiotemporal Land Use and Land Cover Changes using Remote Sensing and GIS of Patna in middle gangetic plains, Eastern India	manish.net1010@gmail.com	3,00,000.00	75,000.00
48	Shashi Raj	Bakhtiyar College of Engineering, Patna	CSE	Frequent Pattern Mining for Large Scale Datasets.	shashirajitism@gmail.com	3,00,000.00	75,000.00

49	Dr. Ram Kumar	Katihar Engineering College	EEE	GPU Accelerated MRI Brain Tumor Segmentation using memory-based learning approach.	ramkumar.purnea@gmail.com	3,00,000.00	75,000.00
50	Shiv Kumar Ray	Bakhtiyar College of Engineering, Patna	Mechanical Engineering	Experimental investigation of the effects of nanoparticles as an additive in diesel and biodiesel fuelled engines	shivroy2k5@gmail.com	3,00,000.00	75,000.00
51	Vijesh Kumar Patel	Bakhtiyar College of Engineering, Patna	CSE	Deigning a Cloud based framework using Data Mining for Healthcare services in remote area.	vijeshkumarpatel4@gmail.com	3,00,000.00	75,000.00
52	Alok Kumar	Bakhtiyar College of Engineering, Patna	CSE	The early detection of Disease in Potato Leaf using digital image processing and machine learning method.	alokalok005@gmail.com	3,00,000.00	75,000.00
53	Kailash Kumar Mahto	Gaya College of Engineering, Gaya, Bihar	EEE	Simulation Model and Hardware Design of Solar MPPT Controller Using New Logic	kailash8317@gmail.com	3,00,000.00	75,000.00
54	Nimish Kumar	Bakhtiyar College of Engineering, Patna	EEE	Design, Installation and characterization of 1 KWp Energy Storage-based Solar Photovoltaic (PV) Rooftop System	nimishkumar2k7@gmail.com	3,00,000.00	75,000.00
55	Piyush Kumar Pandey	Loknayak Jai Prakash Institute of Technology, Chapra	Mechanical Engineering	Development of solar powered water-purification and desalination system for household application	ppiiyyush@gmail.com	3,00,000.00	75,000.00
56	Birendra Kumar	Motihari College of Engineering, Motihari	Mechanical Engineering	Studies of flat plate solar air heater	bk.11pg010@gmail.com	2,90,000.00	72,500.00
57	Dr. Ruby Arya	Gaya College of Engineering, Gaya, Bihar	Mathematics	Fuzzy Multi-objective Linear Fractional Programming Problems and their Applications in Engineering.	rubyarya2013@gmail.com	3,00,000.00	75,000.00

MTS

Mrs. Rajni Kumari

Rajni Kumari
30/11/19

MISO

Ms. Sadhana

Sadhana
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P.O. (Academics)

Dr. Shantanu Wahal

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30/11/19