

A. The research works of the following research projects are carried out in the University.

Department	Name of Project	Name of P.I.	Sanctioned Grant (Rs.in Lakh)	Remarks
DST (Govt. of India)				
Civil Engg.	Field Trials of Low Cost Fluoride Filter:Domestic and Community Scale	Dr. C.R. Mohanty	12.78	Ongoing
Civil Engg.	Characterization of Lightweight Concrete Using Ash Cenospheres	Dr. A.N. Nayak	13.25	Ongoing
Electrical Engg.	Assessment of Wide-Area Measurement Signal by Computational Intelligence Techniques	Dr. P. Ray	15.46	Ongoing
Physics	Development of high temperature piezoelectric ceramic based on(1-x) Bi(M', M'') O _{3-x} Pb TiO ₃ System	Dr.A.K.Pattanaik	20.28	Ongoing
Chemistry	biosurfactants interaction and their physicochemical of fluorescent drug molecules	Dr.M.Mohapatra	37.62	Ongoing
Mathematics	Use of Integral equations on problems of scattering of waves by surface discontinuities in a two-layer fluid flowing through on ocean bottom deformation	Dr. S. Mohapatra	12.12	Ongoing
Total			111.51	
UGC				
Mechanical Engg.	Development of High vacuum brazing furnace for joining for joining metals to ceramics	Dr. S.K. Sarangi	14.57	Ongoing
Physics	UGC-BSR start-up grant for newly recruited faculty at Asst. Professor level in Science Deptt.	Dr. G. Nath	6.00	Ongoing
Chemistry	UGC-BSR Start up grant for newly recruited faculty at Assistant Professor level in science department	Dr. A. K. Brick	6.00	Ongoing
Total			26.57	

AICTE				
Civil Engg.	Modernisation of Environmental Engineering Laboratory	HOD Civil	18.04	Ongoing
Mechanical Engg.	Development of Ultrananano Coating bt HFCVD method on cemented carbide inserts	Dr. S.K. Sarangi	14.10	Ongoing
Deptt. of Chemistry	Preparation of Fire Retardant Functionalized Graphite Reinforced Polymer Nanocomposites for Packaging Applications	Prof. S.K. Swain	14.70	Ongoing
Civil Engineering	Development of advanced concrete lab for development of sustainable concrete incorporating recycled coarse aggregators and ground granulated blast furnace slag.	Prof. Amar Nath Nayak	19.00	Ongoing
Civil Engineering	Modernization Structural Engineering Laboratory	Prof . Sanjaya Patro	18.05	Ongoing
El & TCE	Modernization of Microcontroller and Embedded System Laboratory	Dr. Manoranjan Pradhan	8.05	Ongoing
El & TCE	MODROBS of Microwave Laboratory	Dr. Debasis Mishra	6.03	Ongoing
Electrical Engineering	Modernization of Electrical Power System Laboratory	Dr. Ajit Barisal	18.00	Ongoing
Computer Science & Engineering	Data Mining Lab.	Dr. Manas Ranjan Senapati	10.65	Ongoing
Total			46.84	
CSIR				
Mechanical Engg.	Development of NCD & UNCD Cemented Carbide Inserts	Dr. S.K. Sarangi	15.14	Ongoing
Chemistry	Preparation and Characterisation of Graphene Nanocomposites by Reinforcement of Transition Metal based quantum dots	Dr. S.K. Swain	5.06	Ongoing
Total			20.20	

DRDO				
Mech. Engg.	Development of Ultrasonic Absorbent Composite Material Using Date Palm Leaf Fibre	Dr. J. R. Mohanty	7.03	Ongoing
Physics	Study of Propagation of Ultrasonic Waves in Solvent Mixture Used in Preparation of Natural Fibre from Agricultural Wastes	Dr. G. Nath	6.28	Ongoing
Total			13.31	
DST (Govt. of Odisha)				
Chemistry	Acoustical Investigation of some Pharmaceutical Active Proteins of Biomedical Applications.	Dr. S.K. Swain	9.66	Ongoing
Total			9.66	
Grand Total			213.84	

B. The following AICTE projects are submitted to various funding agencies for financial support.

Department	Project Title	Type of project	Principal Investigator	Amount (Rs.)
Civil Engg	Development and characterization of a multistage wet scrubber for removal of pollutants in small scale industries	RPS	Dr. C. R. Mohanty	19,25,200
Civil Engg	Effect of aquifer material on removal of organic and bacteria during river bacteria during river bank filtration.	RPS	Dr. R. R. Dash	20,00,000
Productio Engg	Deflection and vibration control of small laminated composite structure under hygrothermal environment	RPS	Dr. T. R. Mahapatra	15,49,000
Chemistry	Bio-polymer and bio-surfactant	RPS	Dr. M. Mohapatra	11,00,000
Chemistry	Conversion of waste plastic to liquid fuel	RPS	Dr. A. K. Panda	10,00,000
Civil	Modernisation of Structural Engg. Lab	MODROB	Dr. S. K. Panigrahi	19,50,000
El. & TC Engg.	Modernisation of communication Lab	MODROB	Dr. B. Das	20,00,000
Elect. Engg.	Modernisation of Electrical computation Lab and creation of separate simulation of Control Lab-II	MODROB	Dr. S. Behera	17,00,000
Elect. Engg	Green energy revolution and technological development of modern power system with sustainable energy	FDP	Dr. A. K. Barisal	6,00,000

	sources through intelligent technique			
Chemistry	Environment Waste Management: Issues and Challenges	FDP	Dr. A. K. Panda	4,00,000
Mech. Engg.	Recent advances in non-linear manufacturing engineering	STTP	Dr. S. K. Sarangi and Dr. D. Dhupal	3,00,000
Elect Engg	Application of soft computing in power system	STTP	Dr. S. Behera	5,00,000

Dean, SRIC

VSSUT, Burla