



BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI

Ref.: Dean (AP)/2018-19/36

Date: 12/09/2018

NOTICE

B.E. and M.E. /M.Tech. final year students whose project proposals (2018-19) have been approved by the Institute is enclosed in the list along with the amount sanctioned for each projects.

As per the confirmation of HoDs (CSE & Prod. Engg.), the Departments have not received any applications from the students. Department of Bioengineering has not submitted the projects applications so far.

(Dr. Padmini Padmanabhan)
Dean (Academic Programme)

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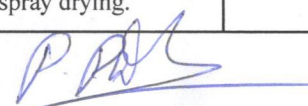
1. Concerned Head of the Departments – with a request to circulate amongst Students and the concerned Guide(s)
2. Dy. Comptroller/Dy. Finance Officer.
3. All Deans
4. Registrar
5. PS to the Vice-Chancellor.
6. Notice Board
7. Institute website

Encl.: List of Sanctioned Projects (Page:1-5).

List of approved Projects for B.E., M.E./M.Tech Final Year Students 2018-19

Projects	No.	Amount
UG	38	13,73,680
PG	27	19,95,073
Total	65	33,68,753

Sl. No.	Name of the Student(s)		Dept.	Name of the Guide(s)	Project Code	Project Title	Project (UG/PG)	Amount Sanctioned
1	Kousumi Mukherjee Niraj Agrwal	BE/10608/15 BE/10055/15	Chem. Engg.	Dr. Gautam Sarkhel	IFP/UG/2018-19/001	Development of PVDF based polymer composite for radio frequency absorption.	UG	37,000
2	Shivani Dasgupta Abhishek Gautam	BE/10601/15 BE/10412/15	Chem. Engg.	Dr. A.Choudhury	IFP/UG/2018-19/002	Flexible and freestanding supercapacitor electrode based on nanostructured polyaniline/carbon nanofiber hybrid mats with high energy and power densities	UG	45,000
3	Sayantika Chakraborty Vinay	BE/10598/15 BE/10674/15	Chem. Engg.	Dr. A.K . Sen	IFP/UG/2018-19/003	Design and optimization of PVC plant waste water treatment	UG	30,000
4	Akshay Notwani Baraik Aman Kumar	BE/10729/15 BE/10604/15	Chem. Engg.	Dr. A.K . Sen	IFP/UG/2018-19/004	Dehydration of glycerol to valuable products	UG	30,000
5	Anjaneya Mishra Kumar Adarsh	BE/10684/15 BE/10611/15	Chem. Engg.	Dr. J. Sudeepan	IFP/UG/2018-19/005	Development of hybrid polymer nanocomposites for structural application	UG	35,000
6	Riya Poddar Sneh	BE/10635/15 BE/10264/15	Chem. Engg.	Dr. Bidhan C. Ruidas	IFP/UG/2018-19/006	Hydrogen oroduction Via urea electrolysis using a gel electrolyte.	UG	40,000
7	Pratima Kachhap Aryanika	BE/10651/15 BE/10227/15	Chem. Engg.	Dr. Anupam Roy	IFP/UG/2018-19/007	Modification in the puffed rice machine for micronutrient enrichment.	UG	50,000
8	Gowrav Malik Kislay Kumar Kiran Kandulna	BE/10625/15 BE/10287/15 BE/10636/15	Chem. Engg.	Dr.Dan Bahadur	IFP/UG/2018-19/008	Removal of heavy metals in waste water	UG	30,000
9	Nishant Tripathy	BE/10433/15	Chem. Engg.	Dr. Y. N. Prajapati	IFP/UG/2018-19/009	Degradation and adsorption of simulated dye waste water	UG	45,000
10	Shreya Sinha	BE/10719/15	Chem. Engg.	Dr. Nirupama	IFP/UG/2018-19/010	A study on thermal degradation kinetics of polymer composites	UG	25,000
11	Akash Gupta Ravi Kumar Harshit Joshi	BE/10360/15 BE/10578/15 BE/10490/15	Chem. Engg.	Dr. D. Pandey	IFP/UG/2018-19/011	Photocatalytic conversion of CO2 to MeOH	UG	30,000
12	Vishal Kumar Sameer Kerketta	BE/10682/15 BE/10178/15	Chem. Engg.	Dr. Amit Tiwari - Guide Dr.Anupam Roy- Co-Guide	IFP/UG/2018-19/012	Microencapsulation of neutraceuticals in biopolymer matrix by spray drying.	UG	45,000



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13	Sushant Sinha Mayank Kumar	BE/10064/15 BE/10658/15	Chem. Engg.	Dr. M. Mukherjee - Guide Dr. A. Barnwal - Co- Guide	IFP/UG/2018-19/013	Study on design and simulation of spiral heat exchanger	UG	40,000
14	Rohit Kr. Tiwari Saksham Shail Moonsun Dunston Flower	BE/10631/2015 BE/10367/2015 BE/10448/2015	Civil & Evn. Engg.	Dr. Kirti Avishek	IFP/UG/2018-19/014	River Ecosystem Monitoring and Management: A Case Study of Subarnarekha River	UG	35,000
15	Ojasvi Agrawal Aditya Ranjan Pratyush Minendra	BE/10464/2015 BE/10475/2015 BE/10411/2015	Civil & Evn. Engg.	Dr. Tanushree Bhattacharya	IFP/UG/2018-19/015	Investigation of Partial Replacement of Cement with Sugarcane Baggase Ash (SCBA) in Cement Concrete Mixtures	UG	20,000
16	Budha Raja Soren Tanmay Bhagat Vishal Rana	BE/10359/2015 BE/10343/2015 BE/10554/2015	Civil & Evn. Engg.	Dr. R. Naresh Kumar	IFP/UG/2018-19/016	COD and Turbidity Removal from Car Wash Wastewater using Coagulation and Electrocoagulation	UG	50,000
17	Shashank Joshi Aditya Jalan Ashish Kr. Singh	BE/10620/2015 BE/10246/2015 BE/10484/2015	Civil & Evn. Engg.	Dr. Sudeshna Chakraborty	IFP/UG/2018-19/017	Analysis of Different Models under the Effect of Wind Load	UG	12,000
18	Aditya Kumar Ankit Kr. Agrawal Himanshu Saurav	BE/10549/2015 BE/10569/2015 BE/10191/2015	Civil & Evn. Engg.	Dr. A.K.Sinha	IFP/UG/2018-19/018	Effect of Hydrogel on Different Soil Type and Irrigation Channels	UG	20,000
19	Reshu Singh	MT/ENV/10007/2017	Civil & Evn. Engg.	Dr. Kirti Avishek	IFP/PG/2018-19/001	Assessing Hydrological Characteristic and Functioning of Inland Wetland	PG	45,000
20	Ankit Kr. Singh	MT/ENV/10002/2017	Civil & Evn. Engg.	Dr. Jawed Iqbal	IFP/PG/2018-19/002	Treatment of Slaughterhouse Wastewater using Sequence Batch Biofilm Reactor: Optimisation using Response Surface Methodology	PG	40,000
21	Prateek Kr. Bhardwaj	MT/ENV/10009/2017	Civil & Evn. Engg.	Dr. R. Naresh Kumar	IFP/PG/2018-19/003	Degradation of Emerging Contaminants using Electrocoagulation and Electro-Fenton	PG	40,000
22	Mala Kumari	MT/ENV/10004/2017	Civil & Evn. Engg.	Dr. Tanushree Bhattacharya	IFP/PG/2018-19/004	Evaluation of Air Pollution Tolerance Index and Potential for Heavy Metal Biomonitoring of Some Selective Species	PG	30,000
23	Kumar Rohit	MT/ENV/10001/2017	Civil & Evn. Engg.	Dr. Suklayan Chakraborty Dr. Praveen Mishra	IFP/PG/2018-19/005	Enhancement of Solar Still Performance using CuO Nano Particles	PG	45,000
24	Shibaan Jawed	MT/ENV/10005/2017	Civil & Evn. Engg.	Dr. Kaushik Paul	IFP/PG/2018-19/006	River Water Quality Modelling using GIS - A Case Study of Jumar River	PG	28,000
25	Mrigakshee Sarmah	ME/CE/10003/2017	Civil & Evn. Engg.	Dr. Arun Kumar	IFP/PG/2018-19/007	Study of Microstructural Properties of Blended Cement Containing Brick Dust	PG	5,000

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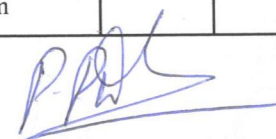
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26	P.Pawan Kumar K.Lokesh Reddy P.Kumar Raja	BE/10336/15 BE/10324/15 BE/10508/15	ECE	Dr. Mahesh Chandra	IFP/UG/2018-19/019	Smart Snickometer for Assigning cricketing umpires using "Machine Learning"	UG	50,000
27	Chandan Kumar	ME/EC/10021/17	ECE	Dr. S.S. Tripathy	IFP/PG/2018-19/008	Design and development of Mobile cover for detection of blood abnormalities using different lenses.	PG	58,000
28	Anu sri	ME/EC/10022/17	ECE	Dr. Sitanshu Sekhar Sahu	IFP/PG/2018-19/009	Design and Implementation of Fractal-Split based image compression algorithm for satellite image.	PG	100,000
29	Atanu Chaudhary	ME/EC/10007/17	ECE	Dr. S.K. Ghorai	IFP/PG/2018-19/010	Use of PLC (Power Line Communication)-VLC (Visible Light Communication) combination for indoor optical wireless communication	PG	81,500
30	Ayesha Akhtar	ME/EC/10012/17	ECE	Dr. Neela Chatteraj Dr. Sudip Kundu	IFP/PG/2018-19/011	Design Fabrication and Characterization of MEMS based piezoelectric energy harvester	PG	80,000
31	Sivani Singh	ME/EC/10023/17	ECE	Dr. S.S. Solanki Dr. C. Jaganathan	IFP/PG/2018-19/012	Designing LIDAR enabled UAV system for Terrain modelling	PG	96,000
32	Divyansh Saurabh Ankita Srivastava Harshit Bamaniya Yukta Mishra	BE/10068/15 BE/10618/15 BE/10327/15 BE/10497/15	EEE	Dr. Tarkeshwar	IFP/UG/2018-19/020	IOT Based Adaptive Control for Active Cell Balancing	UG	49,560
33	Ankit Kumar Singh Rohan Gupta Prachi Sharma	BE/10168/15 BE/10258/15 BE/10209/15	EEE	Dr. S.K. Mishra	IFP/UG/2018-19/021	Depth Calculation of object Using Stereo Vision and use it to avoid Object, and using GPS to navigate the bot to search a final destination avoiding obstacle	UG	43,300
34	Dibye Singh Anand Kumar Kshitij Murya	BE/10207/15 BE/10106/15 BE/10300/15	EEE	Dr. Vijay Laxmi - Guide Dr. S.K. Mishra - Co-Guide	IFP/UG/2018-19/022	Static Obstacle Detection and Avoidance with further extension to Dynamic Obstacles	UG	40,000
35	Sanjeev Hembram Hemant Kumar Mehta Pankaj Kumar	BE/10479/15 BE/10580/15 BE/10613/15	EEE	Mr. Prem Prakash	IFP/UG/2018-19/023	Microcontroller Based Substation Monitoring & Control System with GSM Modem	UG	27,550
36	Sree Aslesh Dhriti Kumari	BE/10440/15 BE/10714/15	EEE	Mr. S.K. Swain	IFP/UG/2018-19/024	Model Reference Adaptive Control on Magnetic Levitation System.	UG	47,000
37	Saurabh Tiwari	ME/EE/10001/17	EEE	Dr. S. Shiva Kumar	IFP/PG/2018-19/013	Design & Development of PV MPPT Based Algorithm Interfacing with SEPIC Converter for the Battery Application	PG	82,718
38	Chetan Matwankar	ME/EE/10006/17	EEE	Dr. Aftab Alam	IFP/PG/2018-19/014	Grid Interfaced Renewable Energy Management System Using IOT Based Control & Diagnostics on Cloud Computing Platform	PG	98,530



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39	Goutam Goswami	ME/EE/10018/17	EEE	Dr. D.K. Mohanta - Guide Dr. P.R. Thakura Co-Guide	IFP/PG/2018-19/015	Stability Analysis of Intelligent Fuzzy Controller based BLDC Motor	PG	67,200
40	Promit Kr. Saha	ME/EE/10021/17	EEE	Dr. P.R. Thakura	IFP/PG/2018-19/016	Harware Design and Experimentation of PV MPPT Based Single Stage Three Phase Boost Inverter	PG	98,175
41	Shashank Shekhar	ME/EE/10025/17	EEE	Dr. Vijaya Laxmi - Guide Dr. P.R. Thakura - Co-Guide	IFP/PG/2018-19/017	BLDC Drive Using Optimised Modified PID Controller	PG	93,450
42	Saurabh Nayar	ME/EE/10004/17	EEE	Dr. T.Ghose	IFP/PG/2018-19/018	Design of Adaptive Control Strategy for Local & Interlinking Converters of Laboratory Prototype Hybrid AC-DC Microgrid	PG	100,000
43	Avirup Kumar Gupta	ME/EE/10009/17	EEE	Dr. S. Chakraborty	IFP/PG/2018-19/019	Development of Vision Based Intelligent Control Technique of Autonomous Ground Vehicle System	PG	53,500
44	Tamal Datta	ME/EE/10027/17	EEE	Dr. S.K. Mishra	IFP/PG/2018-19/020	Development of Vision Based Intelligent Control Technique of Autonomous Ground Vehicle System	PG	78,000
45	Soumadeep Roy	ME/EE/10003/17	EEE	Dr. Surendra Kumar	IFP/PG/2018-19/021	Study, Design and development of Bidirectional AC DC Converter & its Behaviourial Study at the time of Islanding.	PG	100,000
46	Harshit Kumar Rohit Shrivastava Salhay Mardi	BE/10405/15 BE/10463/15 BE/10718/15	Mech. Engg.	Dr. Paritosh Mahata Dr. Anupam Roy	IFP/UG/2018-19/025	Design and Fabrication of Instant Dosa Making Machine	UG	49,000
47	Abhayankar Joshi Sahil kumar Rohit Srivastava	BE/10356/15 BE/10117/15 BE/10112/15	Mech. Engg.	Dr. Dhaneshwar Mahto	IFP/UG/2018-19/026	Design and development of thermoelectric device for refrigeration industry.	UG	32,000
48	Ratna Sambhav Subhankar Das Roshan Kumar.	BE/10156/15 BE/10176/15 BE/10711/15	Mech. Engg.	Dr. Richa Pandey	IFP/UG/2018-19/027	Motor Actuated Wearable Mechanical Device For Upper Limb Rehabilitation Of Stroke Survivors, Integrated With Virtual Reality.	UG	45,900
49	Pushpendra Kumar Divyendu Shukla Alok Raj	BE/10201/15 BE/10149/15 BE/10146/15	Mech. Engg.	Dr Ratnesh Kumar	IFP/UG/2018-19/028	Fabrication of Mechanical Pressure Power Generating System	UG	17,000
50	Ankit Raj Abhishek Agrawal Ashish Prabhakar	BE/10431/15 BE/10493/15 BE/10511/15	Mech. Engg.	Dr. Praveen Mishra	IFP/UG/2018-19/029	Design and Fabrication of Solar Automated Roof Cover	UG	40,000
51	Pradeep Kumar Rana Ganesh Kumar Mahato Akhil Panda	BE/10574/15 BE/10551/15 BE/10656/15	Mech. Engg.	Dr. Chandrahas Patel	IFP/UG/2018-19/030	Design And Fabrication Of Spring Loaded Shock Absorbing Shoe Mechanism	UG	41,000



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52	Pranjal Shubham Shaurya Mayank Mani	BE/10648/15 BE/10277/15 BE/10521/15	Mech. Engg.	Dr. Mukesh Sharma- Guide Mr. Shalin - Co-Guide	IFP/UG/2018-19/031	Design And Fabrication Of Solar Integrated Thermoelectric Water Chiller With Embedded Microcontroller Trip System	UG	35,500
53	Dilkash Jilani Mohammad Nafey	BE/10029/15 BE/10016/15	Mech. Engg.	Dr. S. K. Dhiman	IFP/UG/2018-19/032	Augmentation of Heat Transfer by Air Cooled Fins	UG	15,000
54	Sanjeev Nirmal Kumar Singh Prasun Shekhar	BE/10081/15 BE/10090/15 BE/10216/15	Mech. Engg.	Dr. Rajeev Kumar	IFP/UG/2018-19/033	Design, Fabrication And Thermal Analysis Of Biogas Generation Plant For Rural Areas	UG	50,000
55	Manas Mehrotra, Siddhant Patel Ashutosh Sharma	BE/10634/15 BE/10720/15 BE/10696/15	Mech. Engg.	Mr. Sujeet Kumar Mishra	IFP/UG/2018-19/034	Design and Manufacturing of custom made steering assembly for an all terrain vehicle.	UG	50,000
56	Prashant Ranjan Aakash Kumar Piyush Prakash	BE/10078/15 BE/10180/15 BE/10189/15	Mech. Engg.	Dr. Paritosh Mahata	IFP/UG/2018-19/035	Design and fabrication of multipurpose turbomixer	UG	40,000
57	Chennamsetti Mohinessh B S V Sreekanta M G V Sai Krishna	BE/10447/15 BE/10495/15 BE/10506/15	Mech. Engg.	Mr. Sujeet Kumar Mishra	IFP/UG/2018-19/036	Design And Fabrication Of Anti Vibration Rubber Mounts For An All Terrain Vehicle For Baja Sae	UG	10,000
58	R.Harnieka Nivedita Chandra Shobhna Dheemati	BE/10353/15 BE/10678/15 BE/10114/15	Mech. Engg.	Mr. Inayath N.	IFP/UG/2018-19/037	Power Generation and Omni Directional Vertical Axis Wind Turbine	UG	40,000
59	Somenath Murmu Vivek Thomas Gansa Baskey	BE/10358/15 BE/10474/15 BE/10518/15	Mech. Engg.	Mr. O. P. Pandey	IFP/UG/2018-19/038	Design and development of grass and paddy cutter using solar energy	UG	31,870
60	Abhishek Bandopadhyay	ME/MEC/10016/17	Mech. Engg.	Dr. Arun Dayal Udai	IFP/PG/2018-19/022	Design and Development of 6-DoF Gough Stewart Platform for Virtual Simulators with Pneumatic Actuators	PG	100,000
61	Deepak Raj	ME/MEC/10005/17	Mech. Engg.	Dr. Rajeev Kumar	IFP/PG/2018-19/023	Design , simulation, manufacturing and testing of a Low temperature differential Free Piston Stirling engine	PG	100,000
62	Md.Danish	ME/MEC/10001/17	Mech. Engg.	Dr. Mukesh Sharma	IFP/PG/2018-19/024	Studies on gas-liquid and liquid-liquid flow through inclined mini-channel with return bends.	PG	100,000
63	Anil Tirkey	MT/ET/10004/17	Mech. Engg.	Dr. S. K. Dhiman	IFP/PG/2018-19/025	Performance Study of Blades of Wind Turbine Rotor	PG	75,000
64	Kumar Satyam	ME/MEC/10004/17	Mech. Engg.	Dr. Richa Pandey	IFP/PG/2018-19/026	Development of Patient Specific Total Hip- Joint Replacement using Reverse Engineering and Additive Manufacturing technology.	PG	100,000
65	Md. Modassir Khan	ME/MEC/10008/17	Mech. Engg.	Dr. Rajan Lanjekar	IFP/PG/2018-19/027	Performance and Emission Characteristics of Biodiesel Engine	PG	100,000

