

Shri G. S. Institute of Technology and Science, Indore (MP)

List of CRS Projects under TEQIP-III

G-6

Sr. No.	Name of Project / Title	Department	Principal Investigator	Co-Principal Investigator	Fund Allocation
1	Investigation of Performance Enhancement Schemes for Rain Interrupted Optical Wireless Links	Applied Physics	Mr. Girish Soni	Mr. Shrinivas Mahajan * Mr. Shubhadha Kumbhaj	18,92,000
2	Conversion of waste plastic into carbon nanomaterials and their application in water purification	Applied Chemistry	Dr. Sonam Mandani	Mr. Nitish Gupta Mr. Tridib Sarma #	12,20,000
3	Fabrication of Hybrid Metal Matrix Composites Using Vacuum Stir Casting and its Characterization	Mechanical Engineering	Mr. Balmukund Dhakar	Mr. Vinod Pare Mr. Satyajit Chatterjee # Mr. Ram Yadav	17,71,000
4	Development of a flexible fault diagnosis technique for Induction motor based on Artificial intelligence	Mechanical Engineering	Mr. Purushottam Gangsar	Mr. Manoj Chouksey Mr. Anand Parey #	12,90,000
5	Study of Growth & Spin dynamics of Orthoferrite RFeO ₃ (R-Rare earth) nanoparticles for spintronic ap	Applied Physics	Mr. Nitish Gupta	Mr. Girish Soni Mr. Rajesh Kumar #	18,18,000
6	Biological Synthesis Of Metal-Oxide Nanoparticles Using Natural Components As Nms For Anticancer App	Biomedical Engineering	Dr. Vaibhav Koutu	Mr. Prashant Bansod Mr. M. M. Malik ~ Mr. Yogesh Sariya	11,60,000

APB

Co-ordinator-TEQIP
S.G.S.I.T.S., INDORE-3

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7	Development of portable near dry electric discharge machining	Industrial and Production Engineering	Mr. Leeladhar Nagdeve	Mr. Krishnakant Dhakar Mr. Akshay Dvivedi # Mr. Milind Dandekar	8,95,000
8	Indigenous Hospital Bed for Differently Abled Population	Biomedical Engineering	Mr. Yogesh Sariya	Mr. Beniram Rawal Ms. Arati Muley * Mr. Vaibhav Koutu	7,56,000
9	Design and Development of an Intelligent Smart Street Light Pole - A Smart City Solution	Computer Engineering	Mr. Veerendra Shrivastava	Mr. Vandan Tewari Ms. Rohini Mudhalwadkar* Mr. Swarnim Soni	7,82,000
10	Fretting fatigue and fretting wear behaviour of Titanium Foam under simulated body fluid environment	Industrial and Production Engineering	Dr. Ram Yadav	Mr. Krishnakant Dhakar Mr. Jayaprakash Murugesan # Mr. Leeladhar Nagdeve	15,38,000
11	Investigation of mechanical and environmental properties of Bamboo fiber reinforced polymer matrix c ^h	Industrial and Production Engineering	Mr. Anil Sharma	Mr. Krishnakant Dhakar Mr. Indradeep Singh @	11,42,000
12	Feature Extraction for Pathological Image analysis	Biomedical Engineering	Dr. P. P. Bansod	Mr. Neeraj Sharma % Mr. Munendra Singh (+)	4,58,000



Principal Investigator
Dr. P. P. Bansod

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13	Design and development of PEMF chamber for treatment of neuroinflammation and cognitive impairment	Biomedical Engineering	Mr. Chandra Kant Singh Tekam	Mr. Punit Samaiya Ms. Ranjana Patnaik #	16,18,000
14	Brain MR Image registration using Deep Reinforcement Learning	Computer Engineering	Mr. Swarnim Soni	Mr. Surendra Gupta Ms. Vibha Vyas * Mr. Satyendra Chouhan \$	15,83,000
				Grand Total Rs.	1,79,23,000

* Faculty of CoE, Pune

Indian Institute of Technology Indore

~ MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY

@ IIT Roorkee

% Indian Institute of Technology, BHU

(+) Manipal Institute of Technology, Manipal

\$ Malviya National Institute of Technology Jaipur

APB
5/2/2024
Co-ordinator-TEQIP
S.G.S.I.T.S., INDORE-3

[Signature]
DIRECTOR
Shri G. S. Instt. of Tech. & Sc.
Indore - 452003 (M.P.)