



TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME
VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA

TEQIP

P.O : Engineering College, Burla (Siddhi Vihar), Dist : Sambalpur Odisha -768018, INDIA
Ph : 0663-2430211, Fax : 0663-2430204 Website : www.vssut.ac.in

No. VSSUT/TEQIP/ 154/ 2021

Dated: 18/03/2021

NOTICE

It is to inform that, after thorough examination of the proposals submitted by the Ph.D students, TEQIP – III of this University has offered the financial assistance under “Research & Development Head (Component 1.1.2.5) of TEQIP – III to the following Ph.D students for procuring spare parts and consumables only, which will be required for their “Dissertation” work. The concerned students are required to procure the above materials and submit their bills latest by 25th March 2021 for reimbursement. **No bill received after 25th March 2021 will be considered for reimbursement. The reimbursement will be made as per TEQIP guidelines.**

List of Research Proposals recommended for award of project grant from TEQIP – III (Ph.D)

Sl No.	Title of the Project	Programme	Dept	Name of the Student(s)	Name of Supervisor	Item of Expenditure	Amount
1	Preparation and Characterization of Hybrid composite Using Natural Fiber Kenaf.	PhD	Mechanical	Chandrakanta Mishra	Dr. C. R. Deo Dr. K. K. Ekka	Items Procure as per your proposal	10,000.00
2	Erosive Wear Behavior of Glass and Palmyra Fiber Reinforced Polyester Hybrid Composite	PhD	Mechanical	Pranav Kumar Saraswati	Dr. C. R. Deo	Items Procure as per your proposal	10,000.00
3	Preparation And Characterization of Palmyra Palm Leaf Stalk Fiber Reinforced Polymer Based Hybrid Composite	PhD	Mechanical Engg	Chetana Tripathy	Dr. C. R. Deo	Items Procure as per your proposal	10,000.00
4	Experimental and Numerical Characterization of Mechanical Properties of Hybrid Composite Laminates	PhD	Mechanical	Deepak Kumar Mohapatra	Dr. C. R. Deo Dr. P. Mishra	Items Procure as per your proposal	10,000.00
5	Dissimilar friction stir welding of aluminium alloys: A study on microstructure and mechanical properties	PhD	Mechanical	Deepak Kumar Mahapatra	Dr. P. P. Mohanty	Items Procure as per your proposal	10,000.00
6	Characterization of and Machinability study of	PhD	Mechanical	Laxminarayan R. Bhandarkar	Dr. P. P. Mohanty	Items Procure as	10,000.00

	AISI 52100 steel by advanced coated cutting tools					per your proposal	
7	Experimental investigation on simply supported RC T beams shear strengthened with deep embedded GFRP and Steel bars.	PhD	Civil	Baisali Dutta	Prof. A. N. Nayak	Items Procure as per your proposal	10,000. 00
8	'Laser welding of High – Alloyed Material Such Aluminium and Zinc	PhD	Mechanical	Swagatika Sarangi	Prof. J. Rana	Items Procure as per your proposal	10,000. 00
9	Dynamic Analysis of Axial Functionally Graded (AFG) material (EPOX4 – Grapheme Beam.	PhD	Mechanical	Amit Kumar Gantayat	Dr. M. K. Sutar Prof. J. R. Mohanty	Items Procure as per your proposal	9,725. 00
10	Reduction of pomposity defect in sand casting	PhD	Mechanical	Prafulla Kumar Sahoo	Dr. S.Pattnaik	Items Procure as per your proposal	10,000. 00
11	An investigation on enhancement of mechanical properties of polymer composites	PhD	Mechanical	Sasmita Kar	Dr. S. Pattanik	Items Procure as per your proposal	10,000. 00
12	Development and study of ultrasonic sound absorbent material using natural fiber reinforced organic polymer.	PhD	Mechanical	Susanta Behera	Prof. J. R. Mohanty	Items Procure as per your proposal	10,000. 00
13	Development of Miimosa pudica (Plant Fiber) Reinforce PLA green composite	PhD	Mechanical	Arnab Sengupta	Dr. S. Pattnaik	Items Procure as per your proposal	10,000. 00
14	Impact of industrialization onground water in parts of Jharsugsda	PhD	Chemistry	Pritisha Barik	Dr. T. Biswal	Chemicals	10,000. 00
15	Synthesis and Characterization of Seashell wastes based Polymeric bio composites	PhD	Chemistry	Deepti Rekha Sahoo	Dr. T. Biswal	Items Procure as per your proposal	10,000.00
16	Study of the Thermal and Dielectric properties of synthesized Gold Nanoparticle reinforced functionalized Single-Walled Carbon Nanotube based	PhD	Chemistry	Lipsa Subhadarshine	Dr. A. K. Barick Dr. P. Mohapatra	Items Procure as per your proposal	10,000.00

	polyaniline Nanocomposites.						
17	Investigation on weldability of A1 6061-T6 alloys to thermoplastic using friction stir lap welding.	PhD	PE	Nisith Kumar Goswami	Dr. Kamal Pal	Items Procure as per your proposal	9,647.00
18	Sensor-based strategies for accurate prediction of drilled hole surface integrity of CFRP/AI hybrid stack while drilling with various coated drill.	PhD	PE	Tarakeswar Barik	Dr. Kamal Pal	Items Procure as per your proposal	9,795.00
19	Optical wireless information and power transfer for smart-substation operation	PhD	EEE	Soumya Debashis Das	Dr. G. R. Biswal	Items Procure as per your proposal	10,000.00
20	Development of an optimum design methodology of spur gear using metaheuristics.	PhD	Mechanical	Jawaz Alam	Dr. S. Panda	Items Procure as per your proposal	10,000.00
21	Catalytic degradation of coal using Hallosite clay	PhD	Chemistry	Gayatri Sabat	Dr. A. K. Panda	Items Procure as per your proposal	8,000.00
22	Processing and Characterization on Nickel Aluminide Based Intermetallic Matrix Composite	PhD	MME	Sujata Panda	Dr. Manila Mallik	Items Procure as per your proposal	10,000.00
23	Utilization of BOF slag for manufacturing of antibacterial and self-cleaning tiles with the help of nano technology	PhD	MME	Diptiranjana Baral	Dr. R. P. Dalai	Items Procure as per your proposal	10,000.00
24	Effect of heat – treatment and cooling rates on Ni-based super alloys developed by powder metallurgy route.	PhD	MME	Saroj Kumar Sahu	Dr. R. P. Dalai	Items Procure as per your proposal	10,000.00
25	To study the different heat treatment techniques applied to high manganese and medium manganese steel	PhD	MME	Swetapadma Mishra	Dr. R. P. Dalai	Items Procure as per your proposal	10,000.000
26	Synthesis and Application of	Ph.D	Chemistry	Ms. Sushree Suman Dash	Prof. P. K. Kar	Items Procure as	10,000.00

	Fluorescent Schiff base metal complexes.					per your proposal	
27	Synthesis of PAA/PEMA/CMC-BN hybrid Nanocomposites for packaging applications.	Ph.D	Chemistry	Adrushajyoti Pattanaik	Prof. S. K. Swain	Items Procure as per your proposal	10,000.00
28	To study the dielectric measurement on GO embedded tri nanocomposite for Power Electronics Applications	Ph.D	Chemistry	Sahit Kumar Das	Prof. S. K. Swain	Items Procure as per your proposal	10,000.00
29	PEO-PAM@ ZnO nanocomposite hybrid hydrogels for removal of dye pollutants	Ph.D	Chemistry	Swapnita Patra	Prof. S. K. Swain	Items Procure as per your proposal	10,000.00
30	Nano CaCO ₃ reinforced poly ethyl methacry late nanocomposites for packaging application	Ph.D	Chemistry	Prafulla Ku. Behera	Dr. P. Mohapatra	Items Procure as per your proposal	9,000.00
31	Synthesis and characterization of Nano Zinc oxide decorated poly Propylene oxide/polyethylene oxide-soy protein nanocomposite hydrogels for drug delivery applications	Ph.D	Chemistry	Anuradah Biswal	Prof. S. K. Swain	Items Procure as per your proposal	10,000.00
32	Development of Schiff base for protein Interactions and biomedical application	Ph.D	Chemistry	Suita Behera	Dr. B. R. Jali	Items Procure as per your proposal	9970.00
33	Development of Schiff base turn-on fluorescence chemosensor for selective recognize metal ion in aqueous medium	Ph.D	Chemistry	Rubi Behura	Dr B. R. Jali	Items Procure as per your proposal	9,860.00
34	Development of Terpyridine Scaffold for sensitization of biologically significant metal ions	Ph.D	Chemistry	Patitapaban Mohanty	Dr. B. R. Jali	Items Procure as per your proposal	9,921.00
35	Adsorption of Dyestuffs from Organic media on unmodified and modified Silica	Ph.D	Chemistry	Raisarni Sharma	Prof. S. Dash	Items Procure as per your proposal	9,925.00
36	Processing and Characteristics analysis	Ph.D	Mechanical	Amiya Ranjan Malik	Dr. B. B. Pani	Items Procure as	10,000.00

	of particulate reinforced ferrous based metal matrix composites.				Dr. S. K. Badjena	per your proposal	
37	Powder Metallurgy tool electrode for EDM on NiTi material	Ph.D	Mechanical	Chitta Ranjan Sthi	Dr. S. K.Sahu	Items Procure as per your proposal	10,000.00
38	A study on the characterization of high nickel alloy micro-holes using micro-EDM and their applications	Ph.D	Mechanical	Dipti Ranjan Panda	Dr. S. K. Sahu	Items Procure as per your proposal	10,000.00
39	Synthesis of diamond crystal growth on tungsten carbide inserts by HFCVD using various seeding powders	Ph.D	Mechanical	Ayashkanta Jena	Dr. S. K. Sarangi	Items Procure as per your proposal	10,000.00
40	An Investigation on Thermal, Mechanical and Tribological Properties of composites for thermal Insulation in Aerospace	Ph.D	Mechanical	Laxmi Narayan Rout	Dr. D. Mishra Dr. PTR Swain	Items Procure as per your proposal	10,000.00
41	Joining of Smart Materials	Ph.D	PE	Soumya Ranjan Parimanik	Prof. D. Misrha	Items Procure as per your proposal	10,000.00
42	Experimental Investigation & parametric study in Machining of Advanced Engineering Ceramic Materials Using Developed Fluidized Bed-Hot Abrasive Jet Machining (FB-HAJM) setup	Ph.D	PE	Subhadip pradhan	Prof. D. Dhupal	Items Procure as per your proposal	10,000.00
43	Optimal Design and Evaluate Performance Features in Abrasive Jet Machining Novel Sustainable Bio-composte.	Ph.D	PE	Itishree Rout	Dr. T. R. Mahapatra	Items Procure as per your proposal	10,000.00
44	Synthesis nad measurement of thermo-acoustic properties of nanofulids for thermal application: an ultrasonic approach.	Ph.D	Phycis	Jayashree Sa	Dr. G. Nath	Items Procure as per your proposal	10,000.00
45	Structural behaviour of geopolymere concrete	Ph.D	Civil	Priyanka Pradhan	Dr. S. K. Panigrahi	Items Procure as per your	10,000.00

						proposal	
46	Enhancement in soil properties using microbial induced calcite precipitation	Ph.D	Civil	Sourya Snigdha Mohapatra	Prof. P. K. Pradhan	Items Procure as per your proposal	10,000.00
47	Bio-Enzymatic Soil Stabilizaion of Clayey Soil	Ph.D	Civil	Ambika Priyadarshini	Prof. P. K. Pradhan	Items Procure as per your proposal	10,000.00
48	Sythesis & characterisation of rare earth Modified Gafeo3.	Ph.D	Physics	Khusboo Agrwal	Dr. P. R.Das	Items Procure as per your proposal	10,000.00
49	Investigation of structural dielectric & mulliferties of pb(Fe1/2 Nb1/2) O3 based composites.	Ph.D	Physics	Geetanjali Biswal	Dr. P. R. Das	Items Procure as per your proposal	10,000.00
50	Synthesis and analysis of hybrid bio composite material for microwave absorption	Ph.D	Physics	A.K. Dash	Dr. G. Nath	Items Procure as per your proposal	10,000.00
51	Removal of organic matters nutrients by MBBR Technology	Ph.D	Civil	Akankshya	Dr. R. R. Dash	Items Procure as per your proposal	10,000.00
52	Treatment of Industrial waste water using hybrid bio-reactor	Ph.D	Civil	L. Subhadarsini	Dr. R.R.Dash	Items Procure as per your proposal	10,000.00
53	Study of Structural Bhaviour of shear streonghered Geopolymer self compacting concrete Beams	Ph.D	Civil	Bibekananda Naik	Dr. S. K. Panigrahi	Items Procure as per your proposal	10,000.00
54	Structural, Electrical, optical nad magnetic studies of BZI-PT ceramics	Ph.D	Physics	Mansmita Mishra	Dr. A. K. Pattanaik	Items Procure as per your proposal	10,000.00
55	Development of nano-materials for energy applications	Ph.D	Physics	Nirmal Urma	Dr.A.K. Pattanaik	Items Procure as per your proposal	10,000.00
56	Production of biodissel from Olax seed oil having high free fatty acid	Ph.D	Chemistry	G. Mahakur	Prof. P.K. Kar	Items Procure as per your proposal	9,995.00
57	Synthesis for multiferroic composites	Ph.D	Physics	S.S. Dash	Dr. MPK Sahoo	Items Procure as	10,000.00

	for memory devices					per your proposal	
58	Enhancing the electrical properties of lead free ceramic materials for industrial use by using suitable dopants	Ph.D	Physics	R.L. Nayak	MPK Sahoo	Items Procure as per your proposal	9,600.00
59	Synthesis and characterization of eco-compatible lead free materials for energy storage applications	Ph.D	Physics	R. Khatua	S.K. Patri Prof. P.R. Das	Items Procure as per your proposal	10,000.00
60	Design and Characterization of multiferroics for device application	Ph.D	Physics	Amrita Nayak	Dr. S.K. Patri	Items Procure as per your proposal	10,000.00
61	Effect of Graphene on the Microstructure, Optical and Electrical Properties of Some metal oxide doped bismuth oxide thin film	Ph.D	Physics	Abhilash Ku. Sahoo	Prof. M.R. Panigrahi	Items Procure as per your proposal	9,859.00
62	Rainfall Simulation	Ph.D	Civil	Ankita Bohidar	Dr. A. K. Kar	Items Procure as per your proposal	10,000.00

By order of Vice – Chancellor


18/03/21

Coordinator TEQIP –III

Memo NO. VSSUT/TEQIP/ 155 /2021

Date: 18/03/2021

Copy to:

1. Dean, F&P, with a request to hoist the notice in University website: www.vssut.ac.in for vide circular.
2. Concerned HoDs for information. They are requested to inform the concerned students.
3. SA, SPIU, Odisha for kind information.
4. P.A to Vice – Chancellor for kind information of Hon'ble Vice – Chancellor.


18/03/2021

Coordinator TEQIP –III