



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
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No. VSSUT/TEQIP/ 152/ 2021

Dated: 18/03/21

NOTICE

It is to inform that, after thorough examination of the proposals submitted by the M.Tech/Int.M.Sc/M.Sc/Dual Degree 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 M.Tech/Int.M.Sc/M.Sc/Dual Degree students for procuring spare parts and consumables only, which will be required for their “Project 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
(M.Tech/Int.M.Sc/M.Sc/Dual Degree)**

Sl No.	Title of the Project	Prog ramme	Dept	Name of the Student(s)	Name of Supervisor	Item of Expenditure	Amount
1	Designing of s-doped Carbon dots for sensing of heavy metal ions	Int. Msc	Chemistry	Pragyan Parmita Debta	Dr. P. Mohapatra	Items Procure as per your proposal	10,000. 00
2	Colsite 30B – Chitosan based PVA nanocomposites Thin film for various application	M.Sc	Chemistry	Soubhagya R. Sahoo	Dr. P. Mohapatra	Items Procure as per your proposal	9,800. 00
3	Biogenic synthesis of silver nano particle and its Application in different field	M. Sc	Chemistry	Krishna Kanta Choudhury	Dr. P. Mohapatra	Items Procure as per your proposal	10,000. 00
4	Carbon dot assisted Polyacrylic acid based nanocomposites for packaging application	M.Sc	Chemistry	Subhashree Sahu	Dr. P. Mohapatra	Items Procure as per your proposal	10,000. 00

5	Sensor property studies of some Xylene based Molecular Tweezers	M. Phil	Chemistry	Ms Supriya Kar	Prof. S. Dash	Items Procure as per your proposal	10,000. 00
6	Nano silver reinforced poly ethyl methacry late nanocomposites for packging application	Int. M.Sc.	Chemistry	Suwendu Shuvankar Purohit	Dr. P. Mohapatra	Items Procure as per your proposal	10,000 . 00
7	Preparation of Nano CaCO3 reinforced poly acrylamide/poly ethylene glycol-carboxy methyol cellulose nanohybrid composite hydrogels	M. Phil	Chemistry	Krihsna Manjari Sahu	Prof. S. K. Swain	Items Procure as per your proposal	10,000. 00
8	Paper based Sodium alginate assisted Silver nanoparticle for sensing of heavy metal ions	Int.M.Sc	Chemistry	Akankshyaa Das	Prof. S. K. Swain	Items Procure as per your proposal	10,000. 00
9	Synthesis and Characterization of ZnO incorporated Chitosan/Aloe Vera polymeric composite gel for wound healing application	M. Sc	Chemistry	Bhakti Prasad Sethy	Prof. S. K. Swain		9,725. 00
10	Application of synthesized PAA/Chitosan@BN hydrogel in sensing and catalysis	M.Sc	Chemistry	Soumyaranjan Sahoo	Prof. S. K. Swain	Items Procure as per your proposal	10,000. 00
11	Naono silver imprinted SA-PVA@GO magnetic nanobeads as catalyst for reduction of 4-nitrophenol	M.Sc	Chemistry	Subhasankar Panigrahy	Prof. S K. Swain	Items Procure as per your proposal	10,000. 00
12	Searching effect on geopohymer stabilized Black cotton sail and its impact on Ground water quality	M.Tech	Civil	Sushree Sambedita	Mrs. Kajal Swain	Items Procure as per your proposal	10,000. 00
13	Cantilever retaining walls with neliest shelves lusing	M.Tech	Civil	Dipanker Mohanty	Mrs. Kajal Swain	Dolomite, Cement, Fine Aggregate	8,100. 00

	dolomite as backfill					Coarse Aggregate Cement based polymer	
14	Examine the backfill effects on seismic behaviour of cantilever retaining wall by comparing different types of soil.	M.Tech	Civil	Ch. Aksh Ku. Patro	Mrs. Kajal Swain	Cement based polymer Fine Aggregate Cement Coarse Agregate Dolomite	7,650.00
15	Microstrostructural behaviour of self compacting geopolymer concrete.	M.Tech	Civil	Heamnt Khandagiri	Dr. S. K. Panigrahi	Items Procure as per your proposal	10,000.00
16	Strength and durability of self compacting geopolymer concrete.	M.Tec	Civil	Sunipta Rout	Dr. S.K. Panigrahi	Items Procure as per your proposal	10,000.00
17	Use of waste product, phosphogypsur as power block	M.Tech	Civil	Sarita Dash	Dr. D. Giri	Items Procure as per your proposal	10,000.00
18	Behaviour of concrete specimen using recycled brick aggregate	M.Tech	Civil	Diptimayee Behera	Dr. A. K. Nayak	Items Procure as per your proposal	9,800.00
19	Mechanical properties of light weight concrete suing plastic aggregates	M.Tech	Civil	Ashutosh Nanda	Dr. A. K. Nayak	Items Procure as per your proposal	9,973.00
20	Corrosion assessment of reinforced concrete structure	M. Tech	Civil	Subhasmita Sahu	Prof. S. K. Patro	Items Procure as per your proposal	10,000.00
21	Design and Control of Battery Charger	M.Tech	EE	K R Satyjit	Dr. Papia Ray	Items Procure as per your proposal	10,000.00
22	Preparation of Road Base Material using redmud	M.Tech	Civil	Chandra S. Pradhan	Dr. D. Giri		9,150.00
23	Grindability study of inconel 718 and Ti-6Al-4V plates By Pinnacle FASGM 5025 Surface Grinding Machine	M. Tech	Mechanical	Akshy Gupta	Dr.S. K. Sarangi Dr. K. K. Ekka	Items Procure as per your proposal	10,000.00
24	Mechanical Characterization of polymer based Palmyra palm leaf-stlak / glass	M. Tech	Mechanical	Srikant Ku. Jena	Dr. C. R. Deo	Items Procure as per your proposal	10,000.00

	reinforced hybrid composite.						
25	Corrosion assessment of GGBFS based recycled aggregate concrete	M. Tech	Civil	Bishnu Prasad Mahapatra	Prof. A. N. Nayak	Items Procure as per your proposal	10,000.00
26	Properties of Flyash GGBBS and RCA Based Geopolymer concrete	M.Tech	Civil	Madhumita Samal	Dr. A. K. Nayak	Items Procure as per your proposal	9,912.00
27	Non-Linear forced vibration analysis on functionally graded beam along the axial direction	M.Tech	Mechanical	Satyajeet Singh	Dr. M. K. Sutar	Items Procure as per your proposal	9,225.00
28	A thermo mechanical study on Bamboo/Palm fiber-based hybrid composite	M.Tech	Mechanical	Subit Kuamr Bhoi	Dr. PTR Swain	Items Procure as per your proposal	10,000.00
29	Effect of low frequency vibration on work piece in powder mixed EDM	M.Tech	Mechanical	Abhishek Thakur	Dr. S. K.Sahu	Items Procure as per your proposal	10,000.00
30	Fabrication and experimental investigation on mechanical and Thermal performance of Hybrid filler material	M.Tech	Mechanical	Pradeep Bhoi	Dr. P. Ku. Jena	EPOXY(L-12) Releasing Agent Mold Sheet Metal Abrasive Wheel cutter Boron Nitride Powder Sieve (60-70)	9,500.00
31	Effect of Stacking Sequence on Mechanical Performance of Kevlar and Jute fibre Reinforced Hybrid Composite.	M.Tech	Mechanical	Ayush Sitani	Dr. J. Dehury	Items Procure as per your proposal	10,000.00
32	Finite element analysis of 3D printed composite block under compression and flexure	M.Tech	Mechanical	Soumyashree Auindya	Dr. S. Mishra	3D printable metal powder AISi3mg @ 22,00 per kg	10,000.00
33	Optimization of process parameters in Electrodischarge machining of D2 and D3 steel	M.Tech	Mechanical	Arunima Meher	Mrs. S. S. Naik	Items Procure as per your proposal	4,500.00
34	Designing of laser based vibratory sensor for surface	M. Tech	Physics	Keshab Kumar Garg	Dr . G. Nath	Items Procure as per your proposal	10,000.00

	analysis of materials						
35	Synthesis and characterization of bio fibre based material for shielding applications	M.Tech	Physics	P. P. Singh	Dr. G. Nath	Items Procure as per your proposal	10,000.00
36	Durability of geopolymer concrete with CAC in albet teurpesature	Dual. Degree	Civil	Diptimayee Behera	Dr. R. Panigrahi	Items Procure as per your proposal	10,000.00
37	Effect of Molarity and solution to binder ratio on mechanical and microscopstouetural properties of geopolymer concrete of ambient temperature	Dual Degree	Civil	Debadutt Murmu	Dr. S. Jena	Items Procure as per your proposal	10,000.00
38	A study on removal of phenol from water by clay soil	M.Tech	Civil	Navneet Kumar	Mr. Rajiv Lochan Sahu	Items Procure as per your proposal	9,931.00
39	Durability of geopolymer concrete in ambient temperature	M.Tech	Civil	Sashi Budhia	Mrs. S. Jena	Items Procure as per your proposal	10,000.00
40	Characterization of Gepolymer Bricks	M Tech	Civil	Sahil Pritam Swain	Dr. R. Panigrahi	Items Procure as per your proposal	10,000.00
41	Behaviour of Reinforced geopolymer concrete beam	M.Tech	Civil	Sanjeeb Kumar Das	Dr. R. Panigrahi	Items Procure as per your proposal	10,000.00
42	Removal of Surfactant using granular activated carbon and industrial waste.	M.Tech	Civil	Pravabti Jena	Dr. R. R. Dash	Items Procure as per your proposal	10,000.00
43	Removal of fluoride from water suing soil	M.Tech	Civil	Vijay Kuamr	Mr. R.L. Sahu	Items Procure as per your proposal	9,919.00
44	Strength and durability properties of concrete using bentonite as partial replacement of cement	M.Tech	Civil	V. D. Mohapatra	Dr. P. Nayak	Items Procure as per your proposal	10,000.00
45	Effectiveness of river bank filtration at Burla	M.Tech	Civil	Samita Gouda	Dr. R. R. Dash	Items Procure as per your proposal	10,000.00

46	Experimental study on determination of natural frequency of stiffened angel ply composite plate with cutout	M.Tech	Civil	Subrata Sahu	Mrs. Leena Sinha	Items Procure as per your proposal	9,888.00
47	Properties of rice husk ash, GGBS regulated brick aggregate geopolymer concrete	M.Tech	Civil	Asmita Mishra	Dr. A. K. Nayak	Items Procure as per your proposal	10,000.00
48	Development of cementless concrete utilizing industrial solid waste as precursor and rice husk as source for production of alkali activator	M.Tech	Civil	Kiran Gouda	Dr. B. Nanda	Items Procure as per your proposal	10,000.00
49	Strengthening of RC Beams Using Externally Bonded FRP Composites	Dual Degree	Civil	Kausik Mohapatra	Prof. A. N. Nayak	Items Procure as per your proposal	10,000.00
50	Synthesis & characterization of BiAlO ₃ Modified lead free anti...	M.Sc	Physics	Dipak Ku.Sahoo	Dr. A.K. Pattanik	Items Procure as per your proposal	10,000.00
51	Enhancement of dielectric and ferroelectric properties fo barium zirconium titanate	M.Sc	Physics	B.Tripathy	Dr. A.K. Pattanik	Items Procure as per your proposal	10,000.00
52	Fabrication of Ferroelectric Ceramics for Sensors	Int.Msc	Physics	Ronit R.Satpahty	Ms. Parbati Naik	Items Procure as per your proposal	10,000.00
53	Enhancing the stability of perovskite rola cells using strontium titanate a leetron transport layer	M.Sc	Physics	Aurdhendu Das	Dr. A.K. Pattanik	Items Procure as per your proposal	10,000.00
54	Thermal degradation studies of waste plastics generated in times of COVID-19	Int.Msc	Chemistry	Sunil Ku. Nayak	Dr. A. K. Panda	Items Procure as per your proposal	5,200.00
55	Synthesis and Characterization of Gold doped CCTO ceramics	Int.Msc	Physics	Atyant Ku. Hota	Prof. M.R. Panigrahi	Items Procure as per your proposal	9,884.00
56	Development of green acoustic	M.Sc	Physics	S.Saswati	Dr. G. Nath	Items Procure as per your proposal	10,000.00

	building material for noise reduction						
57	Sonication effect on synthesis and measurement of thermal conductivity of magnetic nanofluid	M.Sc	Physics	Pratichi Sahu	Dr. G. Nath	Items Procure as per your proposal	10,000.00
58	Synthesis and optical properties of silver doped Bi ₂ O ₃ ceramic Thin film	M.Sc	Physics	S.S. Bishi	Prof. M.R. Panigrahi	Items Procure as per your proposal	9,742.00
59	Synthesis and Structural Analysis of Gd doped Bismuth oxide Ceramics	M.Sc	Physics	Jagriti Sharma	Prof. M.R. Panigrahi	Items Procure as per your proposal	10,000.00
60	Study of Electric and Magnetic properties of A-site and B- site doped BiFeO ₃	M.Sc	Physics	S. Sahoo	Dr. S. K. Patri	Items Procure as per your proposal	10,000.00
61	Microstructural study of functional ceramics	M.Sc	Physics	Pragati Maity	Dr. S.K. Patri	Items Procure as per your proposal	10,000.00
62	Crystal structure analysis of lead free ferroelectrics	M.Sc	Physics	Bibhusundar Swain	Ms. Prabati Naik	Items Procure as per your proposal	10,000.00
63	Ferroelectric properties of Eco-friendly Ceramics	M.Sc	Physics	Nirlipta Joshi	Dr. S. K. Patri	Items Procure as per your proposal	10,000.00
64	Synthesis of high temperature dielectric materials through compositional Engineering	M.Sc	Physics	S. P. Sahoo	Dr. MPK Sahoo	Items Procure as per your proposal	9,500.00
65	Fabrication of (k _{0.5} Na _{0.5})NbO ₃ Based ferroelectric ceramics for energy harvesting	M.Sc	Physics	S.S. Panda	Dr. MPK Sahoo	Items Procure as per your proposal	9,500.00
66	Fabrication of BaTiO ₃ based lead free ferroelectric ceramics for High-Density storage Devices	M.Sc	Physics	Susmita Sil	Dr. MPK. Sahoo	Items Procure as per your proposal	9,600.00
67	An experimental studies on durability properties of concrete containing GGBFS, GBFS, RCA and Lime	Dual Degree	Civil	Sasmita Jena	Prof.A. N.Nayak	Items Procure as per your proposal	10,000.00

68	To design and develop meltic ferrites ceramics for device application	Int. Msc	Physics	Monalisa Pradhan	Prof. P. R. Das	Items Procure as per your proposal	10,000.00
69	To study the electrical properties of some tungsten bronze ferroelectric ceramics	Int. Msc	Physics	Swati Sucharita Dutta	Prof. P.R. Das	Items Procure as per your proposal	10,000.00

By order of Vice – Chancellor


18/03/21

Coordinator TEQIP –III

Memo NO. VSSUT/TEQIP/ 153 /2021

Date: 18/03/2021

Copy to:

1. Dean, F&P, with a request to hoist the notice in University website: ww.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.


18/03/21

Coordinator TEQIP –III