

Internal Research Grants - Sanction Letters

2015 - 16



Capacity building projects 2015-2016
R-REU, M-M.Tech Projects, PhD, P-Papers, FP-Funding Projects

Sl. No.	Name	Title	Dept.	Sanctioned Amt	Remarks				
					REU	M	Ph.D	Papers	FP
1	Padmashree Desai, Meenaxi Raikar, Vijayalakshmi M	Smart applications to cater the societal issues	Computer Science & Engineering	0.75L	-	-	-	02	-
2	Meena M, Moula Husain	Automated wood stock estimation & quality grading of wood chips.	Computer Science & Engineering	1.0L	01	-	01	-	-
3	Ashok M Sajjan, N R Banapurmath G.M.Hiremath	Development of Proton Exchange Polymer Electrolyte for Battery Applications.	Chem & CMS	0.6 L	01	-	01	01	-
4	Shankar A Hallad, N R Banapurmath	Development of polymer/mental nanocomposites for cardiovascular stent applications	Mechanical Engineering	0.6L	01	-	01	01	-
					0.6 L Utilized				
5	R.P.Tapaskar	Design of IoT Based control & Monitoring system for hybrid power system.	Mechanical Engineering	0.935 L					
6	Yogesh Velankar	Building International Partnerships in Engineering Education	CEER	2.0 L					
TOTAL				5.885 L					



SI.NO	Department	Sanctioned Amount
1	Computer Science & Engineering	1.75 L
2	Chem & CMS	0.6 L
3	Mechanical Engineering	1.535 L
4	CEER	2.0 L
	Total	5.885 L

Recommended by:

Dr P.G.Tewari -

Dr.Uma Mudenagudi -

The above recommended projects are sanctioned through the RDPC funding.

Registrar

List of recommended capacity building projects and recommended amount for the year 2015-2016

Sl.No	Name	Title	Dept.	Sanctioned Amount
1	L.R.Patil, Sharanappa A	Process development scheduling & simulation studies on xylanase production by using process simulation tools.	BT	0.9L
2	Praveenraj	Measuring & scrutinizing the energy consumption during the migration of virtual machines from one physical host to another and to apply the proper techniques to reduce the usage of power.	CS	0.4 L (2 server for CS + one from info-cell)
3	Nalini C I, Jyoti P, Herra Wali	Security primitives for IOT applications	E&C	0.7L
4	Raghavendra M S Nalini C I	Reconfigurable fault tolerant flight control system.	IT	1.05L
5	Narayan D G	Wireless Mesh Network Testbed for Rural Internet Access.	IS	1.80L
6	Sunil G & Pooja Shettar	Setting up private cloud for finding new measures for VM Security & Load Balancing.	IS	0.6 L
7	Sujata C & Shankar	Smart attendance maintaining system	CS + IS	0.4 L
8	Ajitkumar P Madival	Development of solar thermal collector test-facility for performance evaluation	Energy	0.69 L
9	Sangeeta B Kolavekar	Synthesis properties & structural investigation of certain borate & phosphate glasses doped with gold nano particles containing some rare earth oxides.	Physics	0.6L
TOTAL				7.14 L

Sl.NO	Department	SanctionedAmount
1	BT	0.9L
2	CS	0.4 L
3	E&C	0.7 L
4	IT	1.05 L
5	IS	2.40 L
6	CS+IS	0.4 L
7	Energy Cluster	0.69 L
8	Physics	0.6 L
Total		7.14 L

Recommended by:

Dr P.G.Tewari

P. Tewari

Dr.Uma Mudenagudi

Uma

The above recommended projects are sanctioned through the RDPC funding.

P. Tewari
PRINCIPAL

Internal Research Grants - Sanction Letters

2016 - 17



Research and Development

Recommended and Sanctioned RC, RG, 2016-17

SN	RG	S/D	Name	Group Title	Amount sanctioned in L.
A Existing RC, RG, PDDG, FSSG					
1.	RG	ECE	Nalini Iyer	Centre for Automotive Research	10.00
2.	RC	ECE	Meena S M	ESDM	5.00
3.	RC	Mech	N R Banapurmath	Material Science Cluster	25.00
4.	RC	Mech	P P Revankar	Energy Cluster	5.00
5.	RG	BT	B S Hungund	Bioresource Development	5.00
Total					50.00

Recommended by:

Dr. P G Tewari

Dr. Uma Mudenagudi

The above recommended projects are sanctioned through the Research & Development funding.

Registrar

Capacity Building Projects for 2016-2017

Sl.No	Name	Title	Dept.	Amount	Budget recommended	Remarks
1	Praveenraj Pattar	Predictive analysis for cardiac arrest based on the medical history	CS	0.5 L (50,000)		
2	Dr.A S Bennal	Investigation of radiation dose effect on Biological samples	Physics	2 L		
3	G V Muddapur	Forsters Resonance Energy Transfer (FERT) studies of aryl boronic acids	Physics	1.6 L (1,60,000)		
4	Dr.S.B.Kapatkar	Synthesis & studies of magnetic nano particles for Biological Applications	Physics	0.5 L (50,000)		
5	Mrs.Varsha V Koppal	Study of Fluorescence Spectroscopic properties of some Heterocyclic Molecules & Effect of Nanopartices on Quenching Mechanisms	Physics	0.8 L (80,000)		
6	Smt V H Choudapur Dr.K.G.Kodancha Dr.A.S.Bennal	Design & fabrication of Spray Pyrolysis system for large area thin film deposition	Physics	1.37 L (1,37,000)		
7	Dr.Yogesh Velnkar	Building National & International Partnerships in Engineering Education	CEER	2 L		
8	Shivashankar H Dr.Anil V Nandi	Optimization & fabrication of RF-MEMS Switch	E&C	5.60 L		
9	P. G. Sunitha Hiremath, Lalita Madanbhavi, Shankar G.	A Framework for Automatic Diagnosis of Psychological Disorders in Adults	ISE and CSE	2,91,445 L		
10	Shivanand P P	Installation of Simulation Software for management related modelling for reseachers	Mech	1.2 L		
11	Vinayak N Kulkarni	Experemental investigations on Machinability aspect in shape memory alloys	Mech	2.2L		
12	Karibasappa K G M.K.Gonal	Image Analysis	CSE	2.37L		
13	Shrinivas D Desai Mrs Nagaratna Eligar	Optimisation of Low Dose imaging	CSE	1L		
14	Krishnaraja K Nagaraj Ekbote Arun Patil	Effect of thickness on Fracture behaviour of Aluminium based metal matrix composite: An experiment and Numerical based approach Bio degradable reinforced polymer Matrix testing for fatigue and Fracture Behaviour	Mech	1.05L		

15	Zabin K Bagewadi, Uday Muddapur	Purification and Molecular characteristics of Phytochemical compounds for Biotechnical applications	BT	5L		
16	P.R.Patil Srinivasulu Reddy	Drone Development Lab	MCA	8.85L		
17	P.R.Patil Srinivasulu Reddy	Autonomous Charging system for Smart Drones	MCA	20L		
18	Narayan D G Somashekar Patil Pooja Shettar	Software defined cloud data center testbed	ISE	5.6 L		

Internal Research Grants - Sanction Letters

2017 - 18

Sanctioned Capacity building projects 2017-18

Sl.No	Name	Project Title	Dept.	Budget (in L) Recommended
1.	Sunitha Hiremath, Lalita Madanbhavi, Shankar G	A Framework for Automatic Diagnosis of Psychological Disorders in Adults	ISE CSE	0.50
2.	Karibasappa K G M.K.Gonal	Image Analysis	CSE	0.20
3.	Shrinivas D Desai Mrs Nagaratna Eligar	Optimisation of Low Dose imaging	CSE	0.20
4.	Narayan D G, Somashekar Patil, Pooja Shettar	Software defined cloud data center testbed	ISE	4.50
5.	Shivashankar H Anil V Nandi	Optimization & fabrication of RF-MEMS Switch	E&C	4.00
6.	Shivanand P P	Installation of Simulation Software for management related modelling for reseachers	Mech/ Auto	0.60
7.	Vinayak N Kulkarni	Experemental investigations on Machinability aspect in shape memory alloys	Mech	2.00
8.	Krishnaraja K Nagaraj Ekbote Arun Patil	Effect of thickness on Fracture behaviour of Aluminium based metal matrix composite: An experiment and Numerical based approach	Mech	0.85
9.	Zabin K Bagewadi, Uday Muddapur	Purification and Molecular characteristics of Phytochemical compounds for Biotechnical applications	BT	0.50
10.	P.R.Patil, Srinivasulu R	Drone Development Lab	MCA	4.00
11.	G V Muddapur	Forsters Resonance Energy Transfer (FERT) studies of aryl boronic acids	Physic s	1.20
12.	V H Choudapur K.G.KodanchaA.S.Bennal	Design & fabrication of Spray Pyrolysis system for large area thin film deposition	Physic s	1.37
		Total		19.92L

Recommended by review committee:

Dr. P. G. Tewari



Dr. Uma Mudengudi



Sanctioned capacity building projects for the year 2017-18



Registrar

Sanctioned RG, RC and PDDG faculty group proposals 2017

(Note: Research group (RG), Research cluster (RC), Product Design and Development Grant (PDDG))

Sl.No	Name	Title of the research group/cluster/PDDG faculty group	Budget Sanctioned in Lakhs (Rs)
1.	P.C.Nissimagoudar	RG: Center for Automotive research	10.00
2.	Uday Muddapur	RG: Bioresource Development	06.00
3.	Ravi Guttal	PDDG faculty group: Platform for Product Innovation, Design and Development	32.00
4.	Meena S M	RG: Intelligent Systems (IntS)	20.00
5.	Saroja V. S	RC: ESDM	32.00
6.	N.R.Banapurmath	RC: Material Science Cluster	40.00



Registrar

Sanctioned Capacity building projects 2017-18, September 2017- Phase2

Sl.No	Name	Project Title	Dept.	Budget (in L) Recommended
1.	P R Patil	Environment monitoring sys: Air quality monitoring of Hubballi city	MCA	2.00L
2.	Yogesh Velnkar	Building National & International Partnerships in Engineering Education	CEER	2.00L Note: prior sanction for each travel according to institute norms
3.	Gurunath Kampli	Application of Building information Modelling to project estimates and schedules to minimize errors, decrease estimate preparation time and increase accuracy	Civil	4.00L
		Total		8.00L

Recommended by review committee:

Dr. P. G. Tewari



Dr. Uma Mudengudi



Sanctioned capacity building projects for the year 2017-18, September 2017 – Phase 2



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Internal Research Grants - Sanction Letters

2018 - 19



Research and Development

Sanctioned RC, RG, PDDG and FSSG 2018-19 (25.6.2018)

SN	RG	Area	S/D	Name	Group Title	Amount sanctioned	Remarks
A Existing RC, RG PDDG and FSSG							
1	RG	Transportation	Civil	S.S Quadri	Upgrading the Transportation laboratory with advanced testing equipments	5.00	Travel budget from TEQIP grant
2	RG	Machine Learning	CS E	Meena S M	Intelligent Systems	3.75	HPC facility will be provided centrally
3	RG	Automotive Research	EC E	Nalini Iyer	Centre for Automotive Research	8.00	One RA with 15K and travel and training budget from TEQIP grant
4	RC	Embedded and IOT	EC E	Saroja V. S	ESDM	26.00	Travel and training budget from TEQIP grant, No RA sanctioned
5	RC: MS	CMS	Mech	N R Banapurmath	Development of thin film bad devises for engineering applications	21.32	No additional equipment's are sanctioned
6	RG	Bio-resource	BT	B S Hunagund	Bio resource Development	7.50	Travel budget from TEQIP grant
7	PDDG	CIPD	Mech	Ravi Guttal	Product Innovation, Design, Analysis Virtual Prototyping, Physical Prototyping, Product Development, processes, systems and tools	6.00	Travel budget from TEQIP grant
Total						77.57	
B New RC, RG PDDG and FSSG							
8	RG	HPC, DL	CS E	Satyadhyan Chickerur	High Performance Computing, Deep Learning	120.00	DGX-1 server is sanctioned: Establish central HPC facility for the use of all RC, RG members, faculty and students, RA is not sanctioned Travel budget from TEQIP grant
9	FSSG	Modelling	CS E	Prakash B Hegade	Semantics & mathematical modelling	0.50	
Total						120.50	
Grant Total						198.07	

Recommended by:

Dr. P G Tewari

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Dr. Uma Mudenagudi

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The above recommended projects are sanctioned through the Research & Development funding.

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Research and Development

Sanctioned Capacity building project 2018-19 (23.6.2018)

N	S/D	Name	Project Title	Sanctioned Amount	Remarks
1.	CSE	S D Desai	Optimization of 3D Reconstruction Technique for CT image	0.40	First year can be started with open source, HPC facility will be provided centrally
2.	CSE	P G Sunita H Neha Shankar	Depression detection by capturing & analyzing EEG signals	0.75	RA is not required and expert can be hired on hourly basis
3.	CSE	Shankar G Neha T	3D object analysis	0.00	HPC facility will be provided centrally
4.	CSE	Narayan D G	Data Center Networking	3.00	One RA with 15K and training budget from TEQIP grant
5.	Mech	Vinayak N Kulkarni V.N. Gaitonde	Experimental Investigations on Machinability Aspects in Nickel Titanium Super-elastic Alloys	2.00	Travel budget from TEQIP grant
6.	Mech	Krishnaraja G Nagaraj Ekabote	Characterization of Newly developed Aluminum alloys: An Experimental and Numerical based Approach	1.00	Last year project which was not utilized and is continued
7.	BT	Deepak A. Y Zabin K. B	Microbial Production of Biosurfactants and its Environmental Applications	2.00	Travel budget from TEQIP grant
8.	BT	B. S. Hunugund	Study on bioactive metabolites from endophytes and related medicinal plants	1.00	Use glassware from dept and travel budget from TEQIP grant
9.	BT	Zabin k. B Uday M	Production and Characterization of Microbial Metabolites	0.50	Travel budget from TEQIP grant
10.	E&E	Sachin Angadi A. B. Raju	Investigation of Control Strategies for Renewable Energy Based Water Pumping System.	5.40	
11.	BT	Gururaj T B S Hungund	Studies on industrial applications of halophilic bacterial proteases	1.00	Use glassware from dept and travel grant from TEQIP grant
Total				17.05	

Recommended by:

Dr. P G Tewari

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Dr. Uma Mudenagudi

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Registrar



Research and Development

Recommended Capacity Building Proposals 2018-19 (Phase 2)

Date: 02/11/2018

S N	S/D	Name	Project Title	Amount sanctioned in L	Remarks
1	CTIE, ME, ECE, CSE	Prakash Kurdekar	Product Design & Development for Smart Campus	5.00	Recommended
2	CSE	Somshekhar Patil, Amit K, M Moin Mulla	Software Defined Networking Test bed	1.00	Recommended
3	ECE	Nalini Iyer, Dr Saroja V S	Intelligent Power management System	1.00	Recommended as a part of ESDM cluster
4	Mech	Mantesh Choukimath Dr N R Banapurmath	High Temperature Stress Bearing Light Polymer based Nano Composite using BNNT/h-BN for Hypersonic Aircraft applications	3.00L	Equipment part is Recommended & processing needs to be done from CMS
5		Adarsh Patil , Dr N R Banapurmath , Dr A M Hunashyal	Effect of Micro and Nano fillers on the Mechanical properties of Aluminum metal matrix nano composites (MMNCs).	4.13	Equipment part is Recommended & processing needs to be done from CMS
6		B B Kotturshetar, Ravi Guttal, Balachandra H, Gururaj Fattepur	Design & Development of Low cost electric bike	1.55	Recommended
7		Ravi Guttal , Gururaj Fattepur	Additive Manufacturing for Innovative Design & Production	1.40	Recommended
8		G U Raju , Balachandra H	Development & characterization of tamarind particles/MWCNT reinforced hybrid polymer nanocomposites	0.60	Recommended
9	BT	Anil Shet	Production, Optimization and Characterization of Microbial Pectinase and its industrial application studies	--	Not presented
10	SMSR	Chetan V Hiremath	Research Capability Enhancement (RCE)	--	Suggested to conduct from the school and TEQIP funding
11	SMSR	Gurubasavarya Hiremath	Introduction of PG Diploma in " Family Business Management Programme "	--	Out of scope: Suggested to use the students and submit the new proposal
12	MCA	S.V.Budni , Nagaraj Chakalabbi	Computer Network Practice Lab	-	Suggested to propose from the department
Subtotal for clusters				8.13	For the clusters
Subtotal for projects				11.35	For different projects
Total				19.48	

Recommended by:

Dr. P G Tewari :

Dr Uma Mudengudi :

The above projects are sanctioned through the Research & Development Funding.

Registrar



Research and Development

Date: 05/05/2018

Sanctioned Research Group, PDDG projects, Faculty student start-up projects and Sanctioned amount for the year 2018-19

S N	Name	Title	School/Dept	Sanctioned Amount
1	Dr Prakash Patil	Smart system for early detection of plant diseases & pest infestation (RG)	MCA Department	2,35,000/-
2	Prof. Aaditya Deshapande	Product design & development grant (PDDG) for Agricultural equipment	AKMA Systems <i>Start-up.</i>	2,10,000/-
Total				4,45,000/-

Recommended by the review committee for the year 2018-19.

Recommended by:

Dr P G Tewari : 

Dr Uma Mudenagudi : 

Sanctioned Research Group, PDDG projects, Faculty student start-up projects for the year 2018-19.



Registrar

Internal Research Grants - Sanction Letters

2019 - 20



Research and Development

Date: 31.07.2019

Recommended and Sanctioned Capacity Building Projects 2019-20

SN	S/D/C	Name	Project Title	Requested Amount in L	Sanctioned Amount in L	Remarks
1.	CTIE	Prakash Kurdekar	System Design and Development for Smart Campus	5.0	5.0	Recommended
2.	CSE	Narayan D G	KLE Tech Private Cloud	1.8	1.8	Recommended
3.	ME	B B Kotturshettar	Design and Development of Service Rifle for Indian Army	3.5	2.5	Recommended for 2.5L 1.0L sanctioned in 18-19
4.		Krishnaraja Kodancha, Nagaraj Ekbote	Experimental and numerical Fracture assessment using constraint parameter of standard specimen on Aluminium alloy	4.0	2.5	Travel from the TEQIP
5.		G U Raju, Balachandra Halemani	Optimization of Tamarind particles/MWCNT reinforced Hybrid polymer nanocomposites for automotive applications	0.60	0.6	Recommended
6.		V N Gaitonde, Vinayak Kulkarni	Experimental Investigations on surface & sub surface Analysis of machined NiTi Alloys	1.5	1.5	Recommended
7.	A&R	A C Giriyaapur	AI laboratory for Autonomous Systems Development	4.66	4.66	Recommended
8.	BT	Uday Muddapur, Zabin Bagewadi	Purification & Molecular Characterization of phytochemicals	1.6	1.5	Recommended Travel from TEQIP
9.		Deepak Yaraguppi, Zabin B	Purification of Biosurfactant & Molecular Cloning	2.5	2.5	Recommended
10.		Laxmikant Patil, Gururaj Tennalli, V S Hombalimath	Green Synthesis of Metallic Nano Particles & their potential biotechnological Applications	1.5	1.2	Recommended Travel and conference from TEQIP
11.	Phy	Rajashree Hodlur	Surface functionalized magnetic nanostructures & their Composites for Biological Applications	0.50	0.50	Recommended after redefining the objectives
12.	ECE	Uma M Ramesh T	Volumetric Content Generation and Processing	15.0	5.0	Recommended
Total				42.16	29.26	

Recommended by:

Dr. P G Tewari

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Dr. Uma Mudenagudi

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The above recommended projects are sanctioned through the Research & Development funding.

Registrar



Research and Development

Recommended and Sanctioned RC, RG, PDDG and FSSG 2019-20 (17.07.2019)

SN	RG	Area	S/D	Name	Group Title	Amount sanctioned in L
A Existing RC, RG, PDDG, FSSG						
1.	RG	Transportation	Civil	S S Quadri	Upgrading the Transportation laboratory with advanced testing equipments	--
2.	RG	Machine Learning	CSE	Meena S M	Intelligent Systems	9.4
3.	RG	Automotive Research	ECE	Nalini Iyer	Centre for Automotive Research	10.4
4.	RC	Embedded and IOT	ECE	Saroja V. S	ESDM	14.4
5.	RC	CMS	Mech	N R Banapurmath	Development of thin film for solar cell, Tribological and sensor applications	34.63
6.	RG	Bio-resource	BT	B S Hungund	Bio resource Development	4.4
7.	PDDG	CIPD	Mech	Ravi Guttal	Product Innovation, Design, Analysis Virtual Prototyping, Physical Prototyping, Product Development, processes, systems and tools	21.75
8.	FSSG	Start up	Mech	Aditya Deshapande	AKMA + Interrow cultivator	--
9.	RG	HPC, DL	CSE	Satyadhyan Chickerur	High Performance Computing, Deep Learning	50.15
10.	FSSG	Modelling	CSE	Prakash B Hegade	Semantics & mathematical modelling	0.50
Total						145.63
B New RC, RG, PDDG						
1.	RG	Bio fertilizer	BT	B S Hungund	Sustainable Bio-solutions	3.4
2.	RG	Healthcare	BT	Zabin Bagewadi	Healthcare and Environmental Applications	5.0
Total						8.4

Recommended by:

Dr. P G Tewari

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