

Thiagarajar College of Engineering, Madurai – 625 015

(An ISO 9001:2008 certified Autonomous Institution affiliated to Anna University)

TCE / Dean – R & D / TEQIP/ Student Research Projects/Jan_2017 Date: 02/02/2017/2017

Submitted to the Chairman & Correspondent

Respected Sir,

Sub: Student Research Projects - Financial Support – UNDER TEQIP-II – Approval – Reg.

Ref: TCE/Dean – R & D /TEQIP/R & D Activities/Research Projects, Dated on 03/01/2017

It is proposed to extend financial support to student projects with research content and interdisciplinary in nature under TEQIP-II fund for the enhancement of R&D and Institutional consultancy activities.

In this connection, we invited project proposals from students in January 2017. The committee constituted to scrutinize the proposals has submitted the recommendations. The details of the shortlisted projects along with the proposed financial support as recommended by the committee are enclosed. The total commitment for the above proposal is Rs.350,700/-, which is planned to be distributed in two installments (80% as 1st installment and 20% on completion of the project).

It is requested that the approval may please be granted to support the student research projects with financial assistant and to pay assistantship as recommended by the committee under the Head TEQIP – R&D.

Thanking you,

Yours faithfully,

PRINCIPAL

- Encl: 1. Recommended list of Student Projects along with financial support (4 sheets)
2. Copy of letter cited in ref.

Note: Amount allotted under the Head TEQIP-II – R&D

Amount spent & committed so far under the above head

Present commitment

: 30.00 Lakhs

: 15.43 Lakhs

: Rs. 3.507 Lakhs

TEQIP Coordinator 2/2/17

Recommended List of Students Projects for TEQIP-II Assistantship

Ref: TCE/TEQIP-II/Student_Res_Project

January 2017

Date: 27-01-2017

S. No.	Title of the project	Students particulars			Interdisciplinary Yes/No	Supervisor	Amt requested in Rs.	Recommended item(s) and amount in Rs.	Recommended amount in Rs.
		Name	Reg.no.	Branch					
1	Optimization of treated urban wastewater for irrigation and ground water recharge using SWAT model.	S. Ganesh Bala	15EN004	CIVIL	YES	Dr.S. Chandran	8000	ABSENT	0
2	Nutrient removal from domestic wastewater using advanced biological treatment	D. Pradeep Pandiyan	15EN013	CIVIL	YES	V. Ravishankar	8000	Equipment: 5000/-	5000
3	Accumulation heavy metals in wastewater irrigated plants	G. Dhivya Vinnarasi	15EN003	CIVIL	YES	Dr. S. Chandran	15000	Material & Consumables Rs.15,000/-	15000
4	Degradation of Dye effluents using UV/H ₂ O ₂ Advanced Oxidation Process	N. Bathrakali	15EN002	CIVIL	YES	Dr. T. Velrajan	8000	Equipment & consumables: Rs.4000/-	4000
5	Treatability studies on removal of emerging contaminants in domestic wastewater.	Kiruthika Eswari, V.	15EN008	CIVIL	YES	V. Ravishankar	18600	Equipment & consumables: 16000/-, Travel: 2000/-	18000
6	Experimental study on co-composting of organic wastes with sewage sludge.	R. Rekha Sahana	15EN014	CIVIL	YES	Dr. R.K.C. Jeya kumar	4500	Material Rs.4500/-	4500
7	Assessment & Modeling of Air pollution in Madurai city	M. Karthick Srinivas	15EB005	CIVIL	YES	Dr. R.K.C. Jeya kumar	5800	consumables: 4000/- Travel Rs.1800	5800
8	Assessment and modeling (using visual mudflow) of chloride concentration ground water around ranayanpatti sould Waste dumping yard.	R. Vinothkumar	15EN018	CIVIL	YES	Dr. R.K.C. Jeya kumar	10000	Material Rs.4000/- Travel Rs.4000/-	8000
9	Co-digestion of municipal WW.	S. Sam Moses	15EN015	CIVIL	YES	Dr. R.K.C. Jeya kumar	8000	Material & Consumables Rs.8000/-	8000
10	Assessing the impact of climate change over water quality of gridhumal sub-basin	G. Karthik	15EN006	CIVIL	YES	Dr.S. Chandran	24,400	Consumables: 22400/-, Travel: 2000/-	24400

Recommended

M. Saravanan
Reviewer

(Dr.M.Saravanan)

K. Chockalingam

Reviewer

(Dr.K.Chockalingam)

K. Hariharan

Reviewer

(Dr.K.Hariharan)

S. Padmavathy

Reviewer

(Dr.S.Padmavathy)

R. Rammohan

Reviewer

(Dr.R.Rammohan)

V. Suresh Kumar

Reviewer

(Dr.V.Suresh Kumar)

Approved

V. Jeyaraj
PRINCIPAL

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3/2

92700

Thiagarajar College of Engineering, Madurai – 625 015

Recommended List of Students Projects for TEQIP-II Assistantship

January 2017

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 27-01-2017

11	Analysis of fecal sludge management for Madurai city by excreta flow diagram	S. Lokesh	15EN010	CIVIL	YES	Dr.S. Chandran	19,000	consumables: 9000/-, Travel: 2000/- Contingencies: 7000/-	18000
12	Experimental model for base isolation of secondary system under earthquake	B. Bala Murali Kumar	14B19	CIVIL	YES	MR. D. Rajkumar & Mr. M. Varatharajan	40,000	Not Recommended	0
		T.J. Abhinandhan	14B03						
		K. Akshaya Gomathi	14B07						
		T. Cibi Nandhan	16J002						
		S. Padmanathan	14E82	EEE	YES				
13	Reduction of Metal ion release in Metal-on-Metal (Cobalt chromium alloy) artificial hip implant through Nano-Particle Thin film coating	J. Hendry John prabhakaran	15MF005	MECH	YES	Dr. K. Chockalingam	29000	Equipment & consumables: 26000/-, Travel: 3000/-	29000
14	Design, Development and Analysis of CAD-CAM Integrated Pressure Bearing Transtibial (Below -Knee) Prosthesis.	K. Balachandar	15MF002	MECH	YES	Dr. K. Chockalingam	20300	ABSENT	0
15	Development of Nano structured reinforced Medical Grade ultra high molecular weight Polyethylene and its characterization for Meniscus in Knee Joint.	M. Prasanna	15MF012	MECH	YES	Dr. K. Chockalingam	28400	ABSENT	0
16	Analysis of recovering the waste heat from PV-PANEL	A.B. Raseshdharan	14G78	MECH	YES	Dr. K. Srithar	36000	Material Rs.20,000/-	20000
		R. Sharon Samvel	14G89						
17	RFID based IoT ID Card	M. Hemavathy Swarna	14C38	CSE	YES YES	Dr. K. Sundarakantham	35000	ABSENT	0
		A. Jesila Parveen	14C46						
18	Hill Road Automation & Emergency Response Beacon	Sutharson Mathialagan	14C109	CSE	YES	S. Sudha	12000	Equipment: 10000/-	10000
		Abhishek Sudharsan	14G02	MECH					
19	Simulation of Ambulance routing and tracking system lives of people of the society in fatal situations, can be saved.	Shyam Sundar,M.K.	14C102	CSE	YES	S. Sudha	11000	Not Recommended	0
		Sreeram,S.	14C104						
		Sabareesh, K.	14C88						
		Nithya ,G.	14C72						

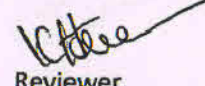
Recommended


Reviewer

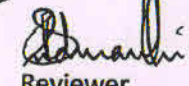
(Dr.M.Saravanan)


Reviewer

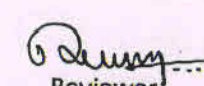
(Dr.K.Chockalingam)


Reviewer

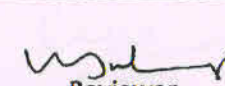
(Dr.K.Hariharan)


Reviewer

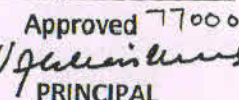
(Dr.S.Padmavathy)


Reviewer

(Dr.R.Rammohan)


Reviewer

(Dr.V.Suresh Kumar)

Approved 
PRINCIPAL

3/2

Thiagarajar College of Engineering, Madurai – 625 015

Recommended List of Students Projects for TEQIP-II Assistantship

January 2017

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 27-01-2017

20	Privacy Preservation in Recommender systems	K.K. Prathiyangara M. Thayana	13C68 13C112	CSE	YES	Dr. M. Kavitha Devi	8250	Not Recommended	0
21	An Ambient Intelligence Based assistance System For Elder People Using Smart Technology	S. Priya Valli Lakshman M. Sumithra	13C71 13C114 13C144	CSE	YES	Dr. M. Kavitha Devi	9350	Not Recommended	0
22	Smart and Secure e-Healthcare for diabetes	R. Sindhuja S. Kavi Priya S. Radha R. Hasika K.N. Meenakshi	15ISO13 13IT045 13IT134 13IT038 13IT059	CSE IT	YES YES	Mr. M. Thangavel	35000	Equipment Rs.15,000/-	15000
23	Smart Energy Management and Analytics	Sriram, M. Ragul, R. Pradeep Kumar, G. Mohan Manickavasagam, J.	14IT101 14IT78 14IT68 14E71	IT EEE	YES YES	Mr. Arun Fera, M.	19000	Equipment: 10000/-	10000
24	Smart and Secure Edifice	M. Mahalingam S. Sanjay A.E. Udhaya Suriyan	13IT53 13IT136 13IT104	IT	YES	Mr. M. Thangavel	30000	Equipment Rs.10,000/-	10000
25	Smart seed dibbling machine	S. Nagarajan K. Tharun M. Karthikeyan	13E66 13E104 13E126	EEE	YES	M. Varatharajan	20000	Equipment Rs.14,000/-	14000
26	Road Traffic Measurement using blended inductive Loop detectors and Magneto rheological fluid	B. Raja B. Vignesh M.R. Satheesh kumar	13D75 13D113 13D86	ECE	YES	Dr. K. Hariharan	30000	Equipment & consumables: 30000/-	30000
27	Smart bus station	M. Kishore A. Krishnappan S.S. Kavin	13E45 13E46 13E43	EEE	YES	Dr. N. Kamaraj	17,000	Equipment Rs.13000/-	13000
28	Test kit for protection devices	R. Shiram B. Sundar V. Dhasarada Raman	13E134 13E139 13E17	EEE	YES	Dr. N. Kamaraj	16,000	Equipment Rs.10000/-	12000

104000

Recommended

M. Saravanan
Reviewer

(Dr. M. Saravanan)

K. Chockalingam
Reviewer

(Dr. K. Chockalingam)

K. Hariharan
Reviewer

(Dr. K. Hariharan)

S. Padmavathy
Reviewer

(Dr. S. Padmavathy)

R. Rammohan
Reviewer

(Dr. R. Rammohan)

V. Suresh Kumar
Reviewer

(Dr. V. Suresh Kumar)

Approved

[Signature]
PRINCIPAL

N/A
3/2

Recommended List of Students Projects for TEQIP-II Assistantship

January 2017

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 27-01-2017

29	Robust Controller Development for unmanned aerial vehicles	K.Anandraj	15MC001	Mechtronics	YES	T.Vivek	20,000	Equipment Rs.20000/-	20000
30.	Process simulation model for nutrient removal in wastewater treatment	Manthiram Karthik.R	15EN011	CIVIL	YES	V.Ravisankar	25,000	Material & consumables Rs.14000/-	14000
31.	Automatic speed control and accident avoidance of vehicle using multisensors	M.Risma	13E84	EEE	YES	Mr. S.Sivakumar	12,000	Equipment Rs.8000/-	8000
		A.Kalidharshane	13E37						
		N.Nandhini	13E67						
32.	Automatic hybrid chick incubator	R.Vignesh	13E142	EEE	YES	Mr.M.Ramkumar	18,000	ABSENT	0
		N.G.Spwtheeswaran	13E137						
		G.Anantharaj	13E02						
33.	Active solar lightning with intensity control	M.I.Asma alifathima	13E10	EEE	YES	Dr. V.Saravanan	5000	ABSENT	0
		T.Bhavatharini	13E14						
		P.jamuna ravi	13E30						
34.	Guiding system for blind people	S.Ganapathi Subramanian	13E20	EEE	YES	Dr. S.Arockia Edwin Xavier	10,000	Equipment Rs.8000/-	8000
		M.Jeeva	13E125						
		S.Vinoth Kumar	13E144						
35.	Smart suitcase	S.Bharath	13E121	EEE	YES	Dr. S.Arockia Edwin Xavier	10,000	Equipment Rs.8000/-	8000
		M.Venkatesh	13E112						
		D.Sivananda Balaji	13E136						
36.	Study on phosphorous removal in domestic wastewater using MBR & Coagulation	R.Nivethidha	15EN012	CIVIL	YES	Dr. T.Velrajan	10,000	Material & consumables Rs.10000/-	10000
37.	Experimental study on mechanical performance of nanosilica in HPC	A.Arsath Risvi	15J003	CIVIL	YES	Dr.K.Sudalaimani	14,000	Equipment Rs.9000/-	9000
38.	Solar powered wireless anti smuggling of trees and forest fire detection system	B.Janarthanan	13E124	EEE	YES	Dr.R.Helen	16,000	ABSENT	0
		C.Aarthi	13E01						
		V.Priyadharshni	13E130						
39.	Automated irrigation system renewable sources using a wireless sensor network	S.Mohankumar	13E128	EEE	YES	Dr. S.Charlesraja	12,000	ABSENT	0
		S.Senthil	13E132						
		R.Karthick	13E42						

77000

Recommended

M. Saravanan
Reviewer

(Dr.M.Saravanan)

K. Chockalingam
Reviewer

(Dr.K.Chockalingam)

K. Hariharan
Reviewer

(Dr.K.Hariharan)

S. Padmavathy
Reviewer

(Dr.S.Padmavathy)

R. Rammohan
Reviewer

(Dr.R.Rammohan)

V. Suresh Kumar
Reviewer

(Dr.V.Suresh Kumar)

Approved

V. Suresh Kumar
PRINCIPALN/S
3/2

Thiagarajar College of Engineering, Madurai – 625 015

(An ISO 9001:2000 certified Autonomous Institution affiliated to Anna University)

Ref: TCE / Dean – R & D / TEQIP/ Student Research Projects/Aug_2015

Date: 07/09/2015 /1952

Submitted to the Chairman & Correspondent

Respected Sir,

Sub: Student Research Projects - Financial Support – UNDER TEQIP – Approval – Reg.

Ref: 1. TCE / Dean – R & D / TEQIP/ Student Research Projects dated 23/01/2014

2. TCE / Dean – R & D / TEQIP/ Student Research Projects/July_2014 dated 05/09/2014

It is proposed to extend financial support to student projects with research content and interdisciplinary in nature under TEQIP fund for the enhancement of R&D and Institutional consultancy activities. Earlier, Rs.1.53 lakhs and Rs 4.84 lakhs have been sanctioned to student projects in Jan 2014 and Sep 2014 respectively (ref 1 & 2) from TEQIP II (R&D) grant.

In this connection, we again invited project proposals from students in June 2015. The committee constituted to scrutinize the proposals has submitted the recommendations. The details of the shortlisted projects along with the proposed financial support as recommended by the committee are enclosed. The total commitment for the above proposal is Rs.4.39 lakhs, which is planned to be distributed in two installments (70% as 1st installment and 30% on completion of the project).

It is requested that the approval may please be granted to support the student research projects with financial assistant and to pay assistantship as recommended by the committee under the Head TEQIP – R&D.

Thanking you,

Yours faithfully,

V. G. S. S. S.

PRINCIPAL

N.S.

Encl: Recommended list of Student Projects along with financial support (5 sheets)

Copy of letters cited in ref 1 & 2

Note: Amount allotted under the Head TEQIP – R&D

: Rs. 20.00 Lakhs

Amount spent & committed so far under the above head

: Rs. 10.71 Lakhs (Spent)

Present commitment

: Rs. 4.39 Lakhs

P. S. S. S.
TEQIP Coordinator

Co-ordinator
TEQIP OFFICE
THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI - 625 015
TAMILNADU

Thiagarajar College of Engineering, Madurai – 625 015

Recommended List of Students Projects for TEQIP Assistantship

Aug 2015

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 07- 09 - 2015

TEQIP - Interdisciplinary Student Project

S. No.	Title of the project	Students particulars			Interdisciplinary Yes/No	Supervisor	Amt requested in Rs.	Recommended item(s) and amount in Rs.	Recommended amount in Rs.
		Name	Reg.no.	Branch					
1	Identifying water body encroachment using synthetic aperture radar (SAR) - A case study for Madurai Region	S.Balasubramaniyan	12D16	BE- ECE	No	Dr.R.A.Alaguraja	1,66,000	To be combined and resubmitted as a single interdisciplinary project	NIL
2	Rice crop mapping using synthetic aperture radar image - A case study of Madurai region	M.Antony Joe R.Subbu Venkataraman	13LD01, 12D105	BE- ECE	No	Dr.R.A.Alaguraja	1,67,000		
3	Urban Mapping for Madurai city using high resolution SAR image data	M.S.Sankara Narayanan, G.D.Vishukumar	12D86, 12D120	BE- ECE	No	Dr.R.A.Alaguraja	1,66,000		
4	Buildings extraction from synthetic aperture radar images - A case study for Madurai city	C.Chifla	14N05	ME - ECE - Communi- cation Systems	No	Dr.R.A.Alaguraja	1,30,000		
5	Development of texture based classification approaches for SAR Images	Anas Antony	14N01	ME - ECE Commu	No	Dr.R.A.Alaguraja	40,000		
6	Non-destructive quality grading of citrus fruit	M.Raghavi, R.Preethi, S.Aishwarya	12D75, 12D67, 12D04	BE- ECE	No	Dr.B.Sathyabama	9,500	Digital camera:	Rs.8000/=
7	Mind controlled robotic car	S.Karthikeyan, R.M.Manickam, J.Karthick	13D38, 13D44, 13D37	BE- ECE	No	Mr.S.Parthasarathi	17,100	Devices and software:	Rs.15,000/=
8	Development of PAN sharpening algorithm to estimate farm land degradation in Theni and Madurai district	R.Karnesh Prabhu	14N09	ME - ECE - Commu	No	Dr.B.Sathyabama	30,000	Multispectral Images:	Rs.30,000/= (To be purchased commonly for all the three projects)
9	Development of deep learning algorithm for the recognition and retrieval of objects in complex environment	K.Uma	15RS05	PHD -ECE	No	Dr.B.Sathyabama	29,000		
10	Development of algorithm for super resolution based tree counting for urban forest monitoring in Madurai City	D.Synthiya Vinothini	13RS56	PHD -ECE	No	Dr.B.Sathyabama	29,000		

783600

52000 ✓

Recommended

N. N. Jawahar
Reviewer

(Dr.N.Jawahar)

R. Vasudevan
Reviewer

(Dr.R.Vasudevan)

Approved

V. Sathya
PRINCIPAL

(1)

Thiagarajar College of Engineering, Madurai – 625 015

Recommended List of Students Projects for TEQIP Assistantship

Aug 2015

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 07- 09 - 2015


11	Multi purpose wireless robot	K.Tharun, S.Nagarujnan	13E104, 13E66	BE- ECE	No	Mr.M.Varatharajan	14,470	Sensors, Motor and other assemblies :	Rs 14,000
12	PID controller for the application of charging of PHEVs during peak load hours.	T.G.Kanmani	14CN10	M-Tech- EEE	No	Dr.S.Charles raja	10,000	Equipment and consumables:	Rs.8000
13	Wireless Rescue robot	K.Tharun, S.Nagarujnan, S.Jegannath, V.Alaguraja, M.Padmaj Milan	13E104, 13E66, 13G31, 13D06, 13D57	BE-EEE BE- ECE	Yes	Dr.M.Saravanan Mr.M.Varatharajan Dr.Hariharan DrS. Saravana perumaal	20,250	Sensors, Motor and other assemblies :	Rs.20,000
14	Experimental investigation on a dual purpose solar collector(Air and water heater) with turbulators in flow passage	M.Salamon Antony, S.Ravi Prasanth	12G81, 12G85	BE-MECH	No	Dr.K.Srithar	24,100	Components for Dual purpose collector:	Rs.10,000
15	Performance enhancement study on bubble column humidification dehumidification desalination system using solar air heater	V.M.Hareesh, R.K.Shanmugam	12G29, 12G95	BE-MECH	No	Dr.K.Srithar	31,000	Components for Solar Air Heater system:	Rs.20,000
16	Performance study on IC engine using bio diesel as a fuel with waste heat recovery system	N.R.Dhanesh Kumar, A.Pushparaj	12G16, 12G71	BE-MECH	No	Dr.K.Srithar	48,850	Materials/ components for bio diesel production unit :	Rs. 20,000/-
17	Performance improvement in solar water heater by receiver modification	M.Sabeer, T.Thiurnavukkarasu	12G83, 12G106	BE-MECH	No	Dr.K.Srithar	48,000	Components and fabrication of parabolic turf collector only:	Rs. 20,000/-
18	Remote controlled seed planting machine with plougher	N.Subramanian	13LG21	BE-MECH	No	Dr.S.Muralitharan	24,500	Components and Materials for proposed machine;	Rs. 15,000/-
19	Visual control approach for detecton of fuel level in gas cylinder incorporated with GSM technology	S.R.Vinayak	12G117	BE-MECH	No	Dr.S.Muralitharan	17,200	Major equipment listed:	Rs. 10,000/-

238370

1,37,000

Recommended

N. Jawahar
Reviewer 7/9/15
(Dr.N.Jawahar)


Reviewer
(Dr.R.Vasudevan)

Approved

PRINCIPAL

(2)

Thiagarajar College of Engineering, Madurai – 625 015

Recommended List of Students Projects for TEQIP Assistantship

Aug 2015

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 07-09-2015


20	Cooling of Helmets	L.SrinivasArunachalam K.Naveen Kumar, S.Siddharth, Surendar, Titus	12G97, 12G60, 12E97, 13G94, 13G99	BE-MECH & EEE	Yes	Dr.G.Kumaraguruparan & Mr. M Varatharajan	8,500	Components and materials only :	Rs.4500/-
21	Design and Development of low cost 3D printer	B.Raja, P.Sastha Kangasabai, S.Vikash, H.Praveen Kowhsik, S.Ram Mahesh, P.Suresh	13D75, 13D85, 13D115, 13G62, 13G68, M1268	BE-MECH & ECE	Yes	Dr.K.Hariharan, Dr.K.Chockalingam	55,000	Equipment and consumables:	Rs.45,000
22	Design and development of autonomous emergency braking for driverless cars	Animesh Pandey, Patrick Winson, P.Sashta Kanagasabai, B.Vignesh	13G11, 13G54, 13D85, 13D113	BE-MECH & ECE	Yes	Dr.A.Samuel Raja Dr.A.Hariharan	1,50,000	Components for Prototype:	Rs40,000
23	Interference of rebar in UPV Non destructive evaluation	R.M.Manoj Kumar, M.Tamizh selvan, C.Ajithakalaivani	12B55, 12B109, 12B02	BE-CIVIL	No	Dr.S.Arulmary	13780	Probe and Consumables:	Rs9000
24	Smart Controllers for Solar PV S Grid Integration system	Ram kumar Siddardth Vijay meyappan Karthick srinivas	12 E 83, 12E97, 12E123, 12D47	EEE & ECE	Yes	Dr.M.Geethanjali Dr.K.Hariharan	17,000	Hardware components:	Rs15,000
25	Smart Lighting System	M.Kavitha, A.Nathiya, M.Jeya	12IT37, 12IT57, 13LIT07	BE-IT	No	Ms.C.V.Nisha Angeline	11,888	Components:	Rs.10,000
26	IOT Based multi entry bluetooth Key	Raghav Sundararajan, D.Arul Prakash, J.Bala Krishna	12IT74, 12IT06, 12IT12	BE-IT	No	Ms.A.Divya Mr.Parthasarathi	7,440 Revised- 9,000	Components:	Rs7000

263608

130,500

Recommended

N. N. Jawahar
Reviewer
(Dr.N.Jawahar)


Reviewer
(Dr.R.Vasudevan)

Approved

PRINCIPAL

Thiagarajar College of Engineering, Madurai. – 625 015

Recommended List of Students Projects for TEQIP Assistantship

Aug 2015


Ref: TCE/TEQIP-II/Student_Res_Project

Date: 07- 09 - 2015

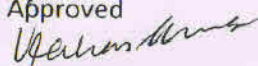
27	Intelligent shopping cart	S.Vasudevan A.Praveen Raj Vignesh Raju, K.Venkatesh	12IT113 , 12IT67, 12IT118 , 12IT115	BE-IT	No	Ms.Raja Lavanya	10,684 Revised- 12,030	Components:	Rs.10000
28	HEAL: Health monitoring Emergency vehicles with their Authentication by RFID and Location tracking by GPS	R.Aswini, K.R.Gayathri Deepa, M.Santhiya, M.Thanga Prabha	12IT11, 12IT18, 12IT88, 12IT106	BE-IT	Yes	Mr.Arun Fera Dr.Helan	10,460	Components:	Rs.10000
29	CARE- Cloud based application using rfid for emergency vehicles	R.Aswini, K.R.Gayathri Deepa, M.Santhiya, M.Thanga Prabha	12IT11, 12IT18, 12IT88, 12IT106	BE-IT	No	Mr.Arun Fera	4,160	Withdrawn	NIL
30	Intelligent Waste Management Using IOT	S.C.Harish, R.Gokul, R.Devaa, P.Raveen Kumar	12IT26, 13LIT05 , 13LIT03 , 12IT68	BE-IT	No	Ms.C.V.Nisha Angeline	11,320	Components:	Rs.10000
31	Design of IOT smart alarm clock	M.Ishwarya, K.Kavithanjali	13C38, 13C47	BE-CSE	No	Dr.K.Sundarakanth am	25,000	Phone Gap Emulator software:	Rs.20,000
32	360Panoramic virtual tour of our college	M.Hariharan, K.Hari Vishnu Prasad, M.Mohamed Mufazil Lebbai, C.Naveenkumar, S.Annamalai	13C32, 13C34, 13C56, 13C59, 13C12	BE-CSE	No	Dr.K.Sundarakanth am	30,000	Tripod Stand:	Rs.7000
33	Speech to text conversion	J.Pauncia, M.Pabeethra, S.Santhiya, K.Ramalakshmi, V.Srividhya	13C64, 13C62, 13C89, 13C78, 13C102	BE-CSE	No	Dr.C.Deisy	50,000	Acquisition device :	Rs.7000

Recommended

N. Newley
Reviewer 7/9/15
(Dr.N.Jawahar)


Reviewer
(Dr.R.Vasudevan)

141624

Approved

PRINCIPAL

64086

Thiagarajar College of Engineering, Madurai - 625 015

Recommended List of Students Projects for TEQIP Assistantship

Ref: TCE/TEQIP-II/Student_Res_Project

Aug 2015

Date: 07- 09 - 2015

34	Farm "Ours"	S.S.Surella Kumari, K.Rajashree	13C105, 13C75	BE-CSE	No	Dr.C.Deisy	50,000	Travel cost for Data Collection:	Rs.5000
35	Blood Donation System	M.Mansaadevi, V.P.Dharani, S.Maithreyee	12C52, 12C20, 12C46	BE-CSE	No	Dr.S.Padmavathi	10,650	App Registration fee:	Rs.3000
36	Generation of E-Circular and notifications through android application	P.K.Soniha, N.Soundarya, S.Srimathi	13C96, 13C97, 13C100	BE-CSE	No	Dr.S.Padmavathi	12,000	App Registration fee	Rs..3000
37	APP-T(Android app for aptitude test preparation)	J.Ramya, S.Surya, N.Priyanka	13C80, 13C107, 13C72	BE-CSE	No	Dr.S.Padmavathi	12,000	App Registration fee	Rs.3000
38	Wireless Sensor Tag	S.Lakshmikanth, R.Beema Thangarani, R.Ambika	13C51, 13C21, 13C10	BE-CSE	No	Mr.Senthil Kumar	10,000	Hardware	Rs.8,000
39	Uzhavanin Nanban	Jeshuren Chelladurai, K.Ajay, Arijeet Chakrabarty	13C40, 13C06, 13C15	BE-CSE	No	Mr.S.Karthick	7,000	App Registration fee	Rs.3000
40	Event Notifier App.	S.K.Venkatswaran, R.Sudharsan, R.thiurmalai Raj	13C116, 13C102, 13C113	BE-CSE	No	Mr.Narasimma Mallikaarjunan	2,000	App Registration fee	Rs.2000
41	Teacher - Student Portal	R.Sai Krishnan, R.Sandhiya, J.M.Praveen Raj	13C85, 13C86, 13C69	BE-CSE	No	Mr.Narasimma Mallikaarjunan	2,000	App Registration fee:	Rs.2000
42	School, Buses, Cabs Tracking System	R.Anusia, K.S.Anirudha, Joyalini Gracia	13C13, 13C11, 13C41	BE-CSE	No	Dr.K.Sundarakanth am	32,000	GPS tracking device and Alarming setup :	Rs.20,000/-
43	By the students for the students	R.Anusia, K.S.Anirudha, Joyalini Gracia	13C13, 13C11, 13C41	BE-CSE	No	Dr.K.Sundarakanth am	25,000	Bar code reader:	Rs.5000
Total							15,89,852 7,70,602		4,38,500

Recommended

N. N. Jawahar
Reviewer
(Dr.N.Jawahar)

Reviewer
(Dr.R.Vasudevan)

G. Subal

Approved
PRINCIPAL

5400
438500

①

Thiagarajar College of Engineering, Madurai – 625 015

(An ISO 9001:2008 certified Autonomous Institution affiliated to Anna University)

Ref: TCE / Dean – R & D / TEQIP/ Res_Grant

Date: 01/04/2015

Submitted to the Chairman & Correspondent

Respected Sir,

Sub: Research Plan - Under TEQIP - Permission – Requested - Reg.

It is proposed to extend support to the following research promotional activities under TEQIP, in addition to continuing the research consultation and student research projects:

- Seed money for research to faculty towards Membership Subscriptions, Preliminary research set-ups, and TA/DA for meeting experts and visiting industries - Rs.2.00 Lakhs
- Research Promotional Conference -Rs.3.00 Lakhs
- Publication of Research Magazine - Rs.1.50 Lakhs
- Research Projects for Special Interest Groups/ Research Clubs - Rs.2.00 Lakhs

It is requested that the above proposal may please be approved.

Thanking you,

[Signature]

PRINCIPAL

Amount allotted for R&D in TEQIP : Rs.20.00 Lakhs

Amount spent and committed so far : Rs. 13.32 lakhs
(Research Consultation – Rs 6,94,534/= ; Student Research Projects – Rs.6,37,000/=)

Balance available : Rs. 6.38 lakhs

Requirement for this proposal : Rs 8.50 Lakhs

** The excess amount required would be met from the unspent amount with other heads of TEQIP.

[Signature]
1/4/15

Thiagarajar College of Engineering, Madurai – 625 015

(An ISO 9001:2000 certified Autonomous Institution affiliated to Anna University)

Ref: TCE / Dean – R & D / TEQIP/ Student Research Projects/July_2014 Date: 05/09/2014

Submitted to the Chairman & Correspondent

Respected Sir,

Sub: Student Res Projects - Financial Support – UNDER TEQIP – Approval – Reg.

Ref: TCE / Dean – R & D / TEQIP/ Student Research Projects Dated 23/01/2014

There is a provision of 20 lakhs under TEQIP for the enhancement of R&D and Institutional consultancy activities. An amount of Rs.1.53 lakhs was sanctioned to twelve student projects based on the approval cited under reference. In order to involve more number of students in these activities, we invited project proposals in July 2014 again. A committee was constituted to scrutinize the proposals. The details of the shortlisted projects along with the proposed financial support as recommended by the committee are enclosed. The total commitment for the above proposal is Rs 4.84 lakhs, which is planned to be distributed in two installments (70% as 1st installment and 30% on completion of the project)

It is requested that the approval may please be granted to support the student research projects with financial assistant and to pay assistantship as recommended by the committee under the Head TEQIP/R&D and Consultancy.

[Signature]
PRINCIPAL

N/8
5/9

Encl: Recommended list of Student Projects along with financial support (10 SHEETS)

Note: Amount allotted under the Head TEQIP/R&D and Consultancy	: Rs. 20,00,000
Amount spent & committed so far	: Rs. 3,93,000
Present commitment	: Rs. 4,84,000
Balance	: Rs. 11,23,000

Approved
[Signature]
7-9

N/8
5/9

Recommended List of Students Projects for TEQIP Assistantship

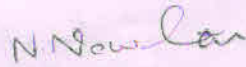
Aug 2014


Ref: TCE/TEQIP-II/Student_Res_Project

Date: 01- 09 - 2014

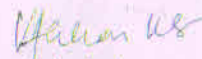
S.NO	Dept.	Title of the Proposal	Name of the Students (Register No)	Guide	Amount Requested (Rs)	Amount Recommended (Rs)	Amount to be released as 1 st Installment (70%) (Rs)	Amount to be released on project completion (30%) (Rs)Remarks
1	IT	Mobile App For Autism Children	1.F.Bakkya (11IT14) 2.N.Haripriya (12LIT05)	Mr.P.Karthik eyan	11099	8000	5600	2400	To support Differently able children
2	IT	Automation Appliance Control System Using GSM	1.G.Adithya (11IT04) 2.V.Aparna (11IT10) 3.K.C.Kowsalya Dhevi (11IT45) 4.C.Maria Sahana (11IT54)	Dr.S.Muthur amalingam hod	6686	6000	4200	1800	New technology Implementation
3	IT	Electronics Notice Board	1.M.Alamu (11IT06) 2.J.Girija (11IT33) 3.M.Manobala (11IT51) 4. D.Maria Priyanka (11IT53)	Dr.S.Muthur amalingam	25600	10000	7000	3000	New technology Implementation
4	IT	Biometric Smart Ration Card	1.K.Ananthii (11IT08) 2.S.Devi Santiya (11IT24) 3.V.Dhivya (11IT27)	Ms.T.Manju	7275	5000	3500	1500	New technology implementation


HOD nominee


Dr.N.Jawahar
Dean (R&D)


Dr.V.Mohan
Dean (P&A)


Dr.R.Vasudevan
Dean (E&CA)

1 | Page 10
Approved by

Principal

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C. Conference and publication charges may be requested from their dept. fund

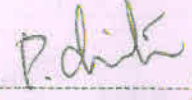
Recommended List of Students Projects for TEQIP Assistantship


Aug 2014


Ref: TCE/TEQIP-II/Student_Res_Project

Date: 01-09-2014


S.NO	Dept.	Title of the Proposal	Name of the Students (Register No)	Guide	Amount Requested (Rs)	Amount Recommended (Rs)	Amount to be released as 1 st Installment (70%) (Rs)	Amount to be released on project completion (30%) (Rs)Remarks
1	CSE	Privacy Issue in Recommendation Systems	1.G.Ajithra-1107 2.P.L.Aravinth-11C11 3.D.K.D.Elanginan-11C24	Dr.M.K.Kavi thadevi	15000	Nil	Nil	Nil	Pure Software project
2	CSE	Discriminant Analysis based Support Vector Machine for Detecting Profile Injection Attack in Collaborative Recommender Systems	1.G.Sashikala(13CS17)	Dr.M.K.Kavi thadevi	15000	Nil	Nil	Nil	Pure Software project
3	CSE	Harnessing the computing power of GPUs for Security Applications.	1.P.Priyanka (13CS14) 2.C.R.Kirthika (12C42) 3.S.Lincy Soundarya	Dr .P.Chitra	22,800	10000	7000	3000	Security application
4	CSE	Find your safe way	1.M.Alagappan C09	Mr.S.Karthick	5000	5000	3500	1500	Passenger Safety
5	CSE	Road Display	1.A.Adithya, (12C05)	Mr.S.Karthick	10400	9000	6300	2700	New idea
6	CSE	4G based faster Internet access in TCE Campus	1.Arul Rajam (11C12) 2.Madhu priya (11C50)	Dr.K.Sundar akandam	38000	8000	5600	2400	Mordenisation


(P. Chitra)
HOD nominee


Dr.N.Jawahar
Dean (R&D)


Dr.V.Mohan
Dean (P&A)


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Dean (E&CA)

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Approved by

Principal

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Recommended List of Students Projects for TEQIP Assistantship

Aug 2014

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 01-09-2014

S.NO	Dept.	Title of the Proposal	Name of the Students (Register No)	Guide	Amount Requested (Rs)	Amount Recommended (Rs)	Amount to be released as 1 st Installment (70%) (Rs)	Amount to be released on project completion (30%) (Rs)Remarks
1	Civil	Utilization of Agro-waste in ultra high Strength concrete	Radha Srinivasan 13J18	Dr.K Arunachalam	22500	10000	7000	3000	Waste recovery
2	Civil	Composite Slabs Using Cold Formed Steel Decking	R.Sangeetha, 13J19	Dr.S Arulmaran	20000	13000	9100	3900	New technology Implementation
3	Civil	Biological Nutrient Removal by Membrane Bioreactor	S.Jaya, 13EN08	Mr.V.Ravishankar	27000	15000	10500	4500	Water quality improvement
4	Civil	Treatability Study of Moringa Oleifera for Water Purification	1.R.Ishwarya -11B32 2.P.Muneeswaraprabhu - 11B54 3.K.Ranganathan -12B19	R.K.C.Jeyakumar	12000	8500	5950	2550	Water quality improvement
5	Civil	Corrosion Study On RCC Using Microwave Non Destructive Evaluations-Phase-I	1.N.Padmasri-11B60 2.H.Vaishnavi - 11B111 3.E.A.Wahid Buhari 11B120	Dr. S. Arul Mary	32000	10000	7000	3000	New technology Implementation
6	Civil	Utilization of Boiler Feed Waste as as a partial replacement for fine aggregate in concrete	1.B.Jothivasu 11B34 2.S.Manikandan -11B34 3.V.Manojkannan -11B34	Dr.G.Chitra	6000	4000	2800	1200	Recycling the waste
7	Civil	Quality Assessment of Cement Based on Dielectric Parameters - Phase-I	1.S.Sudarsan Vakul -11B101 2.R.Srimathi -11B95	Dr. S. Arul Mary	35000	10000	7000	3000	Quality assurance
8	Civil	Hydrogen Cell	I.M.Subha Sharmila 13EN16	Dr.S.Kaliappa	50000	10000	7000	3000	Prototype model for testing



HOD nominee

Dr. S. ARUL MARY



Dr.N.Jawahar
Dean (R&D)



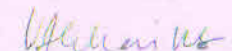
Dr.V.Mohan
Dean (P&A)



Dr.R.Vasudevan
Dean (E&CA)

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Approved by



Principal

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Recommended List of Students Projects for TEQIP Assistantship

Aug 2014

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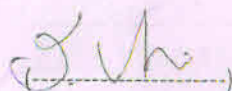
Am. Req.

Recomm. 70%

Date: 01-09-2014

30%

9	Civil	Treatability and Power Generation Capacity of Microbial Fuel Cell In Industrial Wastewater	1.R.Vignesh-13EN18	Dr.V.Ravish ankar	25000	15000	10500	4500	Waste recovery
10	Civil	Strengthening Of Clay Sub grade Using Bio-Wastes - Dr. Velkannan	1.V.Deepa -11B19 2.R.Dhanalakshmi -11B20 3.A.M.Madhu Bala -11B19	Dr. V. Ravish ankar Dr. Velkannan	10000	5000	3500	1500	Waste reuse
11	Civil	Strengthening Of Clay Sub grade Using Bio-Waste Polymers	1.B.Klairsi -11B35 2.S.Ashwini- 11B14 3.D.Marieswari -12LB12,	Dr. V. Ravish ankar Dr. Velkannan	10000	6500	4550	1950	Waste reuse
12	Civil	Experimental Investigation On Mechanical Behavior of Recycled Aggregate Concrete	1.A.Suresh -11B22 2.A.Gopi-11B29 3.D.Ananthkrishnan -11B06	Mr. Kannan	14000	11000	7700	3300	Recycled concrete



HOD nominee

Dr. S. ARUL MARY



Dr. N. Jawahar

Dean (R&D)



Dr. V. Mohan

Dean (P&A)




Dr. R. Vasudevan

Dean (E&CA)

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Approved by



Principal

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Recommended List of Students Projects for TEQIP Assistantship

Aug 2014

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 01-09-2014

S.NO	Dept.	Title of the Proposal	Name of the Students (Register No)	Guide	Amount Requested (Rs)	Amount Recommended (Rs)	Amount to be released as 1 st Installment (70%) (Rs)	Amount to be released on project completion (30%) (Rs)Remarks
1	ECE	Madurai WEBGIS	1.M.Antony Joe (13LD01) 2.S.Balasubramanian (12D16) 3K.Lakshmanan (12D51) 4.M.SanakaraNarayanan (12D86) 5.G.D.Vishnukumar	Dr. R.A. Alaguraja	25000	10000	7000	3000	Madurai development activity
2	ECE	Water Level Monitoring & Control for consumption Auditing in TCE Campus	1.K.Karpaga Vishali 2.S.Sakthi Seela)	Dr.K.Hariharan	45000	Nil	Nil	Nil	Technology is available commercially
3	ECE	Agriculture Degradation Monitoring using Satellite image processing	1.B.Prasad, 11D78, 2.E.K.Pradeep Vikran		70000				
4	ECE	Development of Sub-Fixel Algorithm Based Super Resolution Mapping	1.R.Pounroja -13N17		50000	40000	28000	12000	Madurai development activity
5	ECE	Slum Area Detection using Satellite Remote Sensing and Data Base Creation	1.R.Prabhu (13WTH)	Dr.A.Alaguraja	50000				The images has to be used for all the four projects
6	ECE	Building Extraction form High Resolution Satellite data using MBI	1.C.Rejith, 11D87 2.V.Saravanan, 11D98 3.G.Arunkumar, 12LD04		50000				

(P.R.S. VELMURUGAN)
HOD nominee

N. Jawahar
Dr.N.Jawahar
Dean (R&D)

Mohan V
Dr.V.Mohan
Dean (P&A)

Dr. R. Vasudevan
Dr.R.Vasudevan
Dean (E&CA)

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Approved by
V. Jeyaraj
Principal

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Recommended List of Students Projects for TEQIP Assistantship

Aug 2014

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 01- 09 - 2014

✓ 7	ECE	Non-Destructive Quality Grading of Citrus Fruits Using Fuzzy Logarithm	V.Pavithra - 13WT10	Dr.A.Alaguraja	55000	8000 ✓	5600	2400	Food Quality assurance
✓ 8	ECE	Person Specific Identification by Face Recognition in Video	S.Kokila - 13N11	Dr.Yogameena	40000	10000 ✓	7000	3000	New technology Implementation
✓ 9	ECE	Automated diagnosis and severity measurement of Periodontitis using image processing techniques	A.Farzana Shahar Banu 13N08	Dr.A.Banumati	40000	5000 ✓	3500	1500	Health Care
✓ 10	ECE	VHF Broadband Spider Shaped Monopole Antenna- Design and Analysis	R.S.Sruthi Paghya - 13N23	Dr.S.Raju	10000	5000 ✓	3500	1500	New technology Implementation
✓ 11	ECE	Design and performance of Erode tic antennas for GNSS Application	A.Nithyaa Merunaleni - 13N14	Dr.S.Raju	10000	5000	3500	1500	New technology Implementation
✓ 12	ECE	Design of Narrow Band Elliptic Filter for WLAN Application	S.Nagammai - 13WT09	Dr.A.Thenmozhi	15000	10000	7000	3000	New idea leading to patent
13	ECE	Efficient Routing For Self Adaptable Contention Aware	D.Jessie Hannah Bell - 13WT05	Dr.R.Sukanya	30000	Nil	Nil	Nil	Journal subscription will be done by library
✓ 14	ECE	Enhanced authentication in social networks through biometric systems	A.Rensi - 13WT15	Dr.R.Sukanya	30000	Nil 10,000/-	Nil 7000/-	Nil 3000	
15	ECE	Intelligent traffic Management Systems using Sensors & GSM	1.M.Jegan (11D43) 2.R.Karthika 11D49 3.R.Prakash, 11D77 4.V.D.Abhinesh, 12LD02 5.S.Kirupanandan 12LD12	Dr.S.Raju	30000	10000	7000	3000	New technology Implementation

Report 15/10/14

P.R.S. VELMURUGAN
(HOD nominee)
HOD nominee

N. Jawahar
Dr.N.Jawahar
Dean (R&D)

Mohan V
Dr.V.Mohan
Dean (P&A)

Dr. R. Vasudevan
Dr.R.Vasudevan
Dean (E&CA)

6 | Page 10
Approved by
V. Jeyaraj
Principal

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C. Conference and publication charges may be requested from their dept. fund

Recommended List of Students Projects for TEQIP Assistantship

Aug 2014

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 01- 09 - 2014

S.NO	Dept.	Title of the Proposal	Name of the Students (Register No)	Guide	Amount Requested (Rs)	Amount Recommended (Rs)	Amount to be released as 1 st Installment (70%) (Rs)	Amount to be released on project completion (30%) (Rs)Remarks
1	EEE	SMART BIKE	1.P.Petchi muthu raja 11E70 2.Naganbam Jilangamab - 11E65 3.S.Paranthaman -11E68 4.V.Chidambaram-11E24	Mr.M.Varatharajan	12500	10000	7000	3000	New technology Implementation
2	EEE	Automatic water level detecting system in TCE Men's hostel	1.D.Varadharajan-11E118 2.S.Yashwanth kumar 11E124 3.M.Sivakumar -11E104 4.F.Simson Dan-11E101	Dr.P.S.Manoharan	15350	10000	7000	3000	Automation
3	EEE	Thermoelectric Green Charger for gadgets	1.M.Lokesh - 11E55) 2.V.S.Sabarinathan (12E25) 3.S.Kiran (11E53)	Dr.M.Geetha hnjali	10500	10000	7000	3000	Waste heat recovery
4	EEE	LOAD CONTROL USING DTMF	1.M.U.Prashanth -11E74 2.N.Saibalaji-11E91 3.Suresh babu-11E113 4.R.Sriram-11E107 5.Saiarinas-11E90	Dr.P.S.Manoharan	13355	10000	7000	3000	Energy conservation

P.S. Manoh
(-----)
HOD nominee

N.N. Jawahar
Dr.N.Jawahar
Dean (R&D)

Mohan
Dr.V.Mohan
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Dean (E&CA)

7 | Page 10
Approved by
Principal

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Thiagarajar College of Engineering, Madurai – 625 015


Recommended List of Students Projects for TEQIP Assistantship


Aug 2014

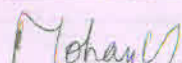
Ref: TCE/TEQIP-II/Student_Res_Project


Date: 01- 09 - 2014


S.NO	Dept.	Title of the Proposal	Name of the Students (Register No)	Guide	Amount Requested (Rs)	Amount Recommend ed (Rs)	Amount to be released as 1 st Installment (70%) (Rs)	Amount to be released on project completion (30%) (Rs)Remarks
1	Mecha nical	Performance Enhancement Study on Solar Still Integrated with the improved Solar Air heater	1.S.Srinivasan-11G105 2.S.Siddharth-11G101	Dr .K.Srithar	32000	12500	8750	3750	Solar power for future energy resource
2	Mecha nical	Performance improvement in Solar Water Heater Using Inserts	1.K.Muthukumar-12LG14 2.N.Arivazhagan-11G10	Dr .K.Srithar	34000	16500	11550	4950	
3	Mecha nical	Modeling & Analysis for Performance Improvement of Railway Services	1.G.Madhankumar-13W09	Dr.N.Jawaha r	5000	Nil	Nil	Nil	Withdrawn
4	Mecha nical	Remote Controlled Plant Transplanted and paddy harvester with Fertilizer Sprayer	1.N.Subramanian-13LG21 2.S.R.Vinaiyak-12G117 3.V.Pranav raj-13LG15	Dr.S.Muralid haran	185000	20000	14000	6000	Agriculture modernization / automation
5	Mecha nical	Improvement of Lubrication Property of lubricants by Adding Additives	1.G.Chockalingam-13W04	Dr.M.Elango	9000	1000	700	300	Environment Pollution protection
6	Mecha nical	Usage of Red Mud In the Submerged Welding Process	E.Vignesh-13W22	Dr.M.Elango	10000	Nil	Nil	Nil	Feasibility is questionable
7	Mecha nical	Experimental Investigation on the Performance/Improvement of Tribological Properties In Cutting Fluids	1.S.Ganesh-13W06	Mr .J.Umar mohamed	10000	Nil	Nil	Nil	Project idea is not clear


(-----)
HOD nominee
Dr. A. VALAN ARASU


Dr.N.Jawahar
Dean (R&D)


Dr.V. Mohan
Dean (P&A)


Dr.R.Vasudevan
Dean (E&CA)

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Approved by

Principal

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Thiagarajar College of Engineering, Madurai – 625 015

Recommended List of Students Projects for TEQIP Assistantship

Aug 2014

Ref: TCE/TEQIP-II/Student_Res_Project

Date: 01-09-2014

8	Mechanical	Improving the performance of 4 stroke gasoline IC engine by cooling inlet air	G.Muthiah - 11G61	Dr.A.Samuel Raja	10000	5000	3500	1500	Environmental care
9	Mechanical	Design and fabrication of prototype automatic material handling system in quarry	I.S.Deepak Raj - 12LG03	Dr.S.Sarvana perumal	47500	15000	10500	4500	Mechanization /automation
10	Mechanical	Auto mobile emission control by secondary air supply	I.M.S.Premkumar 2.P.Sathasivam-11G95	Dr.A.Samuel Raja	15000	9000	6300	2700	Emission control
11	Mechanical	Design and Development of Lithium air Batteries with improved performance	I.K.Pravinkumar-13W16	Dr.G.Kumar akurubaran	10000	8000	5600	2400	New technology implementation
12	Mechanical	Fabrication of high temperature MEMS ceramics	I.B.Rajeshkumar-13W17	Dr.G.Kumar akurubaran	10500	8000	5600	2400	New technology implementation
13	Mechanical	Vibration analysis and control at the rear overhang of the buses	I.D.Gowtham-11G35 2.T.SKishore Srivathsan-11G49	Dr.M.Palani natharaja	18200	10000	7000	3000	Passenger comfort
14	Mechanical	Design and analysis of light-weight alloy two wheeler rim	I.H.Devanand -11G28 2.A.Bharath -11G22	Dr.G.Kangar aj	50000	Nil	Nil	Nil	Design need to be proved
15	Mechanical	Design and development of low cost Adaptive Cruise control for Indian roads	I.S.Poovagani-11G68 2.G.Premkumar-11G73	Dr.K.Chocalingam	15000	10000	7000	3000	Cost reduction
16	Mechanical	Experimental studies on Combustions and emission characteristics of Vegetable oil in a mini combustion system	I.K.Aravindhan-11G09 2.R.Kumar-11G50	Dr .P.Maran	23000	10000	7000	3000	Emission control
17	Mechanical	Modeling and simulation of humidification process	I.S.Dhiliban-11G30 2.S.Jagadesan-11G38	Dr .P.Maran	12000	5000	3500	1500	Emission control
18	Mechanical	Performance Study on condenser for Organic Rankin Cycle (ORC)	I.P.Gowtham-12LG05 2.N.Sarath Kumar-12LG24	Dr.B.Karthik eyan	5000	5000	3500	1500	New technology implementation

A. Valanarasu
(-----)
HOD nominee
Dr. A. VALAN ARASU

N. Jawahar
Dr.N.Jawahar
Dean (R&D)

V. Mohan
Dr.V.Mohan
Dean (P&A)

R. Vasudevan
Dr.R.Vasudevan
Dean (E&CA)

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Approved by
V. Valanarasu
Principal

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Thiagarajar College of Engineering, Madurai – 625 015

Recommended List of Students Projects for TEQIP Assistantship


Aug 2014


Ref: TCE/TEQIP-II/Student_Res_Project


Date: 01-09-2014


19	Mechanical	Effect of Injection timing on the performance of Aluminum oxide coated Diesel Engine run with cotton methyl ester diesel blends	1.K.Sathish-12LG26 2.P.Karthikeyan-12LG08	Dr.B.Karthik eyan	7000	7000	4900	2100	Alternate fuels
20	Mechanical	Fabrication of Portable miniature Vapor Compression Refrigeration System for vaccine polio storage	1.A.Rajadurai-11LG21 2.S.Muthukumar-12LG15	Dr.G.Kumar akurubaran	27700	Nil	Nil	Nil	Already available in market
21	Mechanical	Design and Fabrication of Thermal energy storage system using Phase Change Material (PCM) for I.C.Engine	1.P.Suresh kumar-11G106 2.K.R.Raghul-11G76	Dr.A.Samuel Raja	17500	10000	7000	3000	Fuel conservation
22	Mechanical	Optimization of process parameters in Friction Stir Welding on Al 6061 alloy	1.D.Vishaal-11G121 2.S.Niranjan-12LG16	Mr.J.Umar mohamed	14900	10000	7000	3000	Amount is to be utilized for developing attachment


(-----)
HOD nominee
A. VALAN ARASU


Dr.N.Jawahar
Dean (R&D)


Dr.V.Mohan
Dean (P&A)


Dr.B.Vasudevan
Dean (E&CA)

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Approved by

Principal

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Thiagarajar College of Engineering, Madurai – 625 015

(An ISO 9001:2000 certified Autonomous Institution affiliated to Anna University)

Ref: TCE / Dean – R & D / TEQIP/ Student_Research_Projects/326

Date: 23/01/2014

Submitted to the Chairman & Correspondent

Respected Sir,

Sub: Student_Research_Projects - Financial Support under TEQIP – Approval - Requested – Reg.

There is a provision of 20 lakhs under TEQIP for the enhancement of R&D and Institutional consultancy activities. In order to involve students in these activities, we have identified 12 student projects that contain social signification or innovation potential. The list of identified projects along with the recommended financial support as given by the committee constituted for the identification purpose is enclosed. The total commitment for the above proposal is 1.53 lakhs, which is planned to be distributed in phases.

It is requested that the approval may please be granted to support the student research projects with financial assistant and to pay assistantship as recommended by the committee under the Head of TEQIP/R&D.

V. A. Chinnai

PRINCIPAL

Encl: Recommended list of Student Projects along with financial support.

N. S.
23/1

Note: Amount allotted under the Head TEQIP/R&D	: Rs. 20,00,000
Amount committed including this proposal	: Rs. 1,53,000
Balance	: Rs. 18, 47,000

J. M.
24/1/14

Thiagarajar College of Engineering, Madurai – 625 015

(Autonomous Institution Affiliated to Anna University)

CIRCULAR

Ref: TCE/TEQIP/Student_Research Projects

Date : 28-01-2014

The recommended list of student projects along with the approved financial assistantship under TEQIP II is furnished below.

S. NO	Particulars of the Students	Title of the proposal	Name of the Guide	Program	Amount Recommended in Rs				Remarks
					Seed Money	After Mid Term Review	On completion	Total	
1	1. D.Gowtham 11G35 2.T.S.Kishore Srivathsan 11G49	Linear Motion Wiper System	M.Palaninathan Raja	BE-Mech	1600	6400	8000	16000	-
2	1.Alagar 10B02 2.P.V.Ponambala Moorthy 10B35 3.S.Prasanna Babu 10B37	Structural Health Assessment using Microwaves	Dr.S.Arul Mary	BE-Civil	2000	8000	10000	20000	Books can be procured through main library
3	P.Balakrishnan 12EN03	Analysis of Agriculture land use change detection using Geospatial Technology A case study of Sathaiyar Sub basin	Dr.S.Chandran	ME-Civil	2000	8000	10000	20000	The feasibility of using college facility for satellite image may be explored and used
4	B.Abirami 12EN01	Grey water treatment using biological barriers and reuse within TCE Campus	Dr.S.Chandran	ME-Civil	2500	10000	12500	25000	-
5	1.Ra.Shanmathi 11C96 2.A.V.Monisha 11C61 3.G.Sankareswari. 11C84	Agent -based cloud platform for Rural Small-Scale Industries	Dr.S.Padmavathi	BE-CSE	600	2400	3000	6000	Books can be procured through Main library
6	1.Selvaram.G, 11C94. 2.Pradeepkumar.M, 11C68	Automatic Accident Alert System.	Mr.S.Karthick	BE-CSE	600	2400	3000	6000	-

7	1.M.Padmanabhan 10IT62 2.S.Ragunath. 11LIT15 3.D.Sivapriyan 11LIT19 4.M.Senthil Vel 10IT92	Medical Image Watermarker	Dr.S.Geetha	B.Tec h - IT	600	2400	3000	6000	-
8	1.M.Lakshmana 10IT41 2. R Shoban Raj 10IT101 3. S Vijayakumar 10IT118 4. A. Charles 11LIT03	Secure photography in Android platform.	Ms.P.Parhavi	B.Tec h - IT	1000	4000	5000	10000	-
9	1.R.K.Mangai 10IT46 2.R.Manoranjani 10IT49 3.M.Vaishali 10IT110	Bus on-time sms Service (BOSS)	DR.S.Muthu Ramalingham	B.Tec h - IT	1200	4800	6000	12000	Proposal may be implemented in 1 BUS
10	R.Krishna 10E51	Renewable energy based Acrobot	Dr.R.Rajan Prakash	BE- EEE	2000	8000	10000	20000	-
11	1.Karpaga Senthil Pandy.T PE678 2.Nithya.G 11LE18 3.Dhiyanesh.R 11E30 4.Nivethitha.p 11E67 5.Siddharth.S 12E97 6.Sarath kumar.k 12E88	Design and implementation of Solar power based water pumping for irrigation	DrM.Geethanjali	BE- EEE	2000	-	-	2000	Already available Commercially and hence seed money is given to support design. If the design is proved novel then further sanctioning may be considered
12	1.E.Sarath kumar 10E99 2.V.Sivagnanam 10E105 3.SP.Sivasubramanian 10E107	RFID based automatic Gate access system	Dr.P.S. Manoharan	BE- EEE	1000	4000	5000	10000	Prototype model may be developed and concept proved

The respective students may contact TEQIP office for getting the seed money. The 2nd and 3rd installments will be given after mid-term review, and on completion and submission respectively..

PRINCIPAL

CC: HODs with a request to circulate among students
TEQIP Coordinator, Dean (P&A),
TEQIP Office file copy

Total - 153000
Spent - 42100
110900