

Summary of Internal Faculty Projects funded by ARD

Academic year	No. of project approved
2013 – 2014	3
2014 – 2015	5
2015 – 2016	3
2016 – 2017	10
2017 – 2018	7
2018 – 2019	9

2013 – 2014

S.No	Name of faculty	Dept	Name of project	Allocated
1	Mrs.C.Anbu Meenakshi	Mech	Micro channel heat sink	1,00,000
2	Mrs.G.J.Deeparani	Chem	Removal of chromium and nickel from waste water using coconut shell as adsorbent	75,000
3	Mrs.M.S.Revathy	Phy	Preparation and characterization of Mn:Cds,Pb:Cds and Zn:Cds thin film	50,000

2014 – 2015

S.No	Name of faculty	Dept	Name of project	Allocated
1	Mrs.C.Anbu Meenakshi	Mech	Heat Transfer studies in microchannels	2,60,000
2	Ms.S.Angelin Grace Stella, Dr. V. Kejalakshmi Ms. L. Meenakshi	ECE	Design and Development of Low cost irradiance Estimation	2,00,000
3	Mr.S.Parthasarathy	EEE	Harmonic elimination using DSP based Active Power filter	1,75,000
4	Ms. M. Revathi, Dr. T.P. Srinivasan	Physics		25,000
5	Dr.N.Balaji & Dr.P. Ganesh Kumar	IT	Automatic irrigation for precision agriculture using wireless sensor network	1,76,000/-

2015-2016

S.No	Name of faculty	Dept	Name of project	Allocated
1	Dr. K. Gnanambal Mr. S. Manoharan	EEE	DC and AC power distribution for the house and commercial buildings	1,15,000/-
2	Dr. V. Kejalakshmi Mrs. Indumathi	ECE	Wireless public addressing system	50,000/-
3	Prof. S.C. Sivaprakash Mr. R. Mohan Kumar Dr. S. Venkateshan	ECE	Intelligent based automatic wind mill tracking for maximum power generation	85,000/-

2016-2017

S.No	Name of faculty	Dept	Name of project	Allocated
1	Mr.A.Marimuthu, Dr.S.Venkatesan, Dr.K.Gnanambal	EEE	Prototype Hardware Implementation of Facts Controller Using STATCOM Device for Voltage regulation and compensation	25,000/-
2	Mr.M.Jegadeesan, Dr.A.S.S.Murugan	EEE	Maximization of the Efficiency of Photovoltaic(PV) systems	70,000/-
3	Dr.S.Venkatanarayanan	EEE	Design And Development of Maximum demand cutter for small scale Industries to save the energy bills	75,000/-
4	Mr.S.Nallathambi,	Mech	Heat Transfer Enhancement Of Automatic Radiators Using Heat Pipes With Nanofluids	40,000/-
5	Mr.N.Nagasubramanian	Mech	Performance improvement of Concentrating Photovoltaic(CPV) Module	1,99,000/-
6	Mr.R.Ashok kumar	Mech	Enhancing the properties of friction stir welded dissimilar AA6101-T6 and AA1350 aluminium alloys through reinforcement by abrasive particles in weld zone	40,000/-

7	Prof.S.Nagammai, Dr.A.Umarani	EIE	DC-DC convertor with Photovoltaic Cell for DC Power distribution	40,000/-
8	Dr.R.Alageswaran, Dr.S.Miruna Joe Amali, R.Anandha Murugan	CSE	RFID based object tracking using Beacon for Indoor Map Generation	85,500/-
9	Dr.N.Janakiraman, Mr.V.Muthu Ganesh	ECE	Surveillance Quadcopter	30,000/-
10	Ms. T.R. Muthu, Ms. L. Meenakshi, Mr. A. Anandhan	ECE	Wearable antenna for women safety aids	20,000/-

2017 – 2018

S.No	Name of the Investigators	Dept.	Title	Amount Sanctioned
1	T.D. Kishorilal	Chem	Studies of solid polymer blended electrolytes	45,000
2	Dr. S. Miruna Joe Amali Dr. M. Raghini S. Brindha	CSE	Design of an IoT based health monitoring and awareness system	18,990
3	Dr. R. Alageswaran Dr. S. Miruna Joe Amali R. Anandhamurugan	IT CSE	Design of IoT based Secure and Smart E-Campus (SSE) using deep learning	2,20,000
4	Dr. S.P Rajaram Dr. A.S.S. Murugan M. Jegadeesan	EEE	Intelligent speed control with variable frequency drive for commercial applications using Iot	41,800
5	Dr. A.P.S. Ramalakshmi Dr. M. Mahalakshmi	EEE	Multi inverter interfacing with solar photo voltaic system for research application	64,000
6	M. Ganeshkumari Dr. K. Gnanambal A. Manoj	EEE	Voltage sag compensation device for power quality enhancement	32,000
7	Dr. A.N. Balaji D. Muthukrishnan G.R. Raghav	Mech	Effect of graphene nano particles and graphene nano platelets on mechanical, wear and corrosion behavior of aluminum based surface composite fabricated by friction stir processing	64,000

S.No	Name of the Investigators		Title	Dept.	Amount Sanctioned
	Principal Investigators	Co- Investigators			
1	Dr. S. Raja Lingam, AP	Mr. N. Vimal Radha Vignesh, AP Mr. A. Manoj, AP	IOT Based Security and Energy Management System in Buldings	EEE	25,000/-
2	Dr. C. Vimalarani, ASP	Mr. M. Jeyamurugan, AP(Sr.Gr) Mr. R. Jeyapandiprathap, AP	A Variable Speed Wind Energy Harvesting Scheme using the Induction Generator with a Variable Voltage Variable Frequency Drive Interface	EEE	64,500/-
3	Dr. A.P.S. Ramalakshmi, AP	Dr. S. Venkatanarayanan, Prof. Mr. M. Balamurugan, AP	IoT Based Energy Monitoring System	EEE	25,000/-
4	Dr. P. Karpagavalli, ASP	Dr. A.V. Ramprasad, Principal, Dr. V. Kejalakshmi, Prof Mrs. P. Selvi, AP(Sr.Gr)	Automatic Multi- Human detection on night vision video surveillane for providing security in public places	ECE	25,000/-
5	Dr. M. Raghini, AP (Sr.Gr) Ms. S. Brindha, AP	Dr.S. Miruna joe Amali, Prof.	Stock Verification In Library using Line Follower Robot	CSE	20,000/-
6	Dr. V. Akilandesevari	Dr. P.R. Vijayalakshmi, Prof Mr. D. Prabhu, AP Mrs. K. Arunasakthi, AP	Securing Internet of Things(IoT) with Software Defined Networking (SDN)	CSE	11,599/-
7	Dr. G. Ramesh, Prof.	Dr. J.S. Kanchana, ASP Mr. S. Ilankumaran, ASP	IoT Based Smart Traffic Management System	IT	29,500/-

8	Dr. A. Raviekkumar, Prof	-	The use of I-Pad to support vocabulary development and communication skills for english language learners	English	10,000/-
9	Dr.A. Umarani, Prof/EIE	Mrs. B. Buvaneswari, ASP/CSE	Eco Friendly Sanitary Napkin Incinerator	WEC	50,000/-