



**Centre for Intellectual Property Rights (CIPR)  
Anna University, Chennai 600025**



**Dr. M. Kanthababu**  
Director

Phone: 04422358574  
e-mail: ciprtm@annauniv.edu  
ciprtmau@gmail.com  
www.annauniv.edu/ipr

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Date: 16.03.2017

To

**All the Dean/ Director/Principal**

Sir,

Sub: To promulgate the **“Draft Report on Intellectual Property Rights 2017 of Affiliated Colleges”** to the faculty members – Reg.

I request you to kindly circulate the **“Draft Report on Intellectual Property Rights 2017 of Affiliated Colleges”** enclosed along with this letter to your faculty members. If there are any modifications / suggestions kindly inform us at the earliest by email.

Thanking you

Yours Sincerely

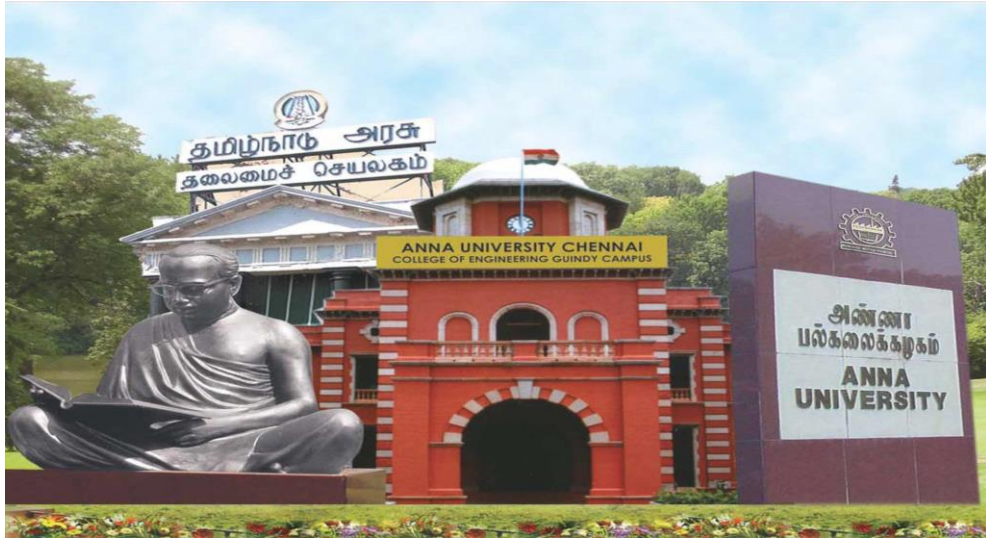
  
(Dr. M. Kanthababu)

Encl: 1) Report on IPR's (upto 31<sup>st</sup> December 2016)

**DIRECTOR  
CENTRE FOR INTELLECTUAL  
PROPERTY RIGHTS, ANNA UNIVERSITY  
CHENNAI - 600 025.**

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**Report on  
Intellectual Property Rights (IPR's) of  
Colleges Affiliated to  
Anna University, Chennai  
(upto 31<sup>st</sup> December 2016)**



**Centre for Intellectual Property Rights (CIPR)**



**College of Engineering Guindy,  
Anna University, Chennai – 600 025.**

**e-mail: [ciprtm@annauniv.edu](mailto:ciprtm@annauniv.edu); [ciprtmau@gmail.com](mailto:ciprtmau@gmail.com)**

**Phone: 044-22358574/75/76/77/78**



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**Details of IPR's as on December 2016**  
**(Region wise)**

## CHENNAI REGION

### (1) Agni College of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	R. Karthikeyan & N.V.Mahalakshmi	Turpentine blend composition with diesel oil	1951/CHE/ 2005 & 29/12/2005	Granted (211874)
2	R. Karthikeyan P.Murugesh & L.Yuvaraj	Vertical axis windmill with stream lined blades	1227/CHE/ 2008 & 19/05/2008	Granted (257439)
3	Agni College of Technology	Aquamill	3942/CHE/2014 & 11/08/2014	Request for Examination not filed
4	Agni College of Technology	Incessant hydel power generation	3890/CHE/2014 & 07/08/2014	Request for Examination not filed
5	Agni College of Technology	Vertical axis windmill with vertical diffuser	4622/CHE/2014 & 23/09/2014	Request for Examination not filed

### (2) IFET College of Engineering

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	N. Janaprakash	Increasing the fuel economy of IC engine by cylinder de-activation method	5308/CHE/2014 & 11.07.2014	Request for Examination

### (3) Jeppiaar Engineering College

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	V. Natarajan, P. Senthil Kumar &	The persuade of the tube-in-tube compact heat exchanger to increase the	4048/CHE/2012 & 28/09/2012	Withdrawn

	M. Amala Justus Selvam	performance of Joule-Thomson refrigeration system		
2	J. Kalaivanan	Without smoke generator	391/CHE/2015 & 28/01/2015	Request for Examination
3	J. Kalaivanan & M.Sasikumar	Novel combination of solar power plant	2135/CHE/2015 & 27/04/2015	Request for Examination
4	V. Natarajan	All terrain vehicle	1020/CHE/2015 & 03/03/2015	Not Yet Published
5	V. Natarajan	Formula 3 type racing car	1021/CHE/2015 & 03/03/2015	Not Yet Published
6	V. Natarajan	Hybrid cycle	1022/CHE/2015 & 03/03/2015	Not Yet Published
7	V. Natarajan	Go – kart	1023/CHE/2015 & 03/03/2015	Not Yet Published
8	L. Ranganathan	Vegetable oils used in DI diesel engine	3771/CHE/2015 & 22/07/2015	Request for Examination not filed

#### (4) KCG College of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	John C George, Jijo Chacko & Johnson T. Mathew	Dim and bright automation system	2479/CHE/2009 & 12/10/2009	Abandoned
2	Nithin Mathew	Solar powered lpg gas leakage detection and control system	350/CHE/2010 & 13/07/2010	Not Yet Published
3	M. N. Pragadish	Regenerative shock absorber	4306/CHE/2013 & 16/04/2013	Abandoned
4	Vignesh	Abhirath cost efficient zero drive power wheel chair for developing nations	4431/CHE/2013 & 30/09/2013	Abandoned
5	M. N. Pragadish	Regenerative shock absorber	4306/CHE/2013 & 16/04/2013	Abandoned
6	Vignesh	Abhirath cost efficient zero drive power wheel chair for developing nations	4431/CHE/2013 & 30/09/2013	Abandoned



7	J. Gunaseelan, K. Ganesh Prabhu & K.G. Maheswaran	Fridge with food heater	3464/CHE/2014 & 14/07/2014	Request for Examination
8	S.Thanigaiarasu, Dharmahinder Singh Chand & R. Asad Ahmed	Method and device for controlling sonic under - expanded jets	3765/CHE/2015 & 22/07/2015	Request for Examination
9	Sunil Kumar & S. Prathap	Solar powered lpg gas leakage detection and control system	3599/CHE/2015 & 07/04/2015	Not Yet Published
10	R. Patrick Pious A. Ananya S. Rajesh P. Deiva Sundari	Renewable energy supporting dc ceiling grid	1860/CHE/2015 & 10/08/2015	Request for Examination

#### (5) Panimalar Engineering College

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	G. Diwakar R.S.Gireesh M.Gnanaprakash & S. Deepa	Road surface predictor for accident aversion of two wheelers	2976/CHE/2013 & 04/07/2013	Request for Examination
2	K.S. Sarannithish & B. Bhuvaneshwari	Dielectric resonator antenna array for wideband applications	3044/CHE/2013 & 08/07/2013	Request for Examination
3	P. Kannan P. Ajay Sattjay & K. M. Abhinesh	Compact square feed aperture coupled dual- band patch antenna for WLAN applications	4265/CHE/2014 & 02/09/2014	Request for Examination
4	P. Kannan V. Srikanth C. Dinesh Kumar & A. Tobin	Classification of osteoporosis using statistical and fractal texture features.	1755/CHE/2015 & 01/04/2015	Request for Examination
5	B. Bhuvaneshwari B. Pradeep L. Pradeep Kumar & S. Singaravelan	Effect of placing parasitic directions in micro strip patch antenna for improved bandwidth and direction.	1850/CHE/2015 & 08/04/2015	Not Yet Published
6	B. Bhuvaneshwari,	10 DB symmetric bend meander line directional coupler with high directivity.	5384/CHE/2015 & 08/10/2015	Not Yet Published
7	P. Saravanan &	Structural responsiveness of magnetorheological fluid	2730/CHE/2014 &	Request for Examination

	R. Mageswari	dampers using semi-active suspension system	04/06/2014	
8	S. Vallinayagam	Unit train status (UTS)	2611/CHE/2015 & 25/5/2015	Not Yet Published
9	V. Subedha S. Hemalatha, & T. Kalaichelvi	Dynamic allocation of transport facilities to overcome traffic by estimating spatial density using Bluetooth	201641024788 & 20.07.2016	Not Yet Published
10	T. A. Mohanaprakash V. Subedha, T. Kalaichelvi, S. Hemalatha & B. Hariprakesh	Android based corporation complaint system using voice recognition	201641024747 & 20.07.2016	Not Yet Published
11	T. Kalaichelvi, V. Subedha, S. Hemalatha, T. A. Mohanaprakash R. Lavanya, Bheeminidi Sai Tejaswi & K. V. Priyadarshini	Breaking the catastrophic embrace of child trafficking by deploying pearly white detectors using mems technology	201641032496 & 23.09.2016	Not Yet Published
12	R. Dharani, P. Subhashree & N. Sankari Devi	Digital Based accident prevention system	201641020988 & 20.06.2016	Not Yet Published
13	P. L. Ramalingam, G. B. Rathish, E. Naveen, K. Ranjithkumar, G. Naveen, R. Vigithra & I. Paul Theophilus Rajakumar	Affordable wheelchair integrated sitting standing, sleeping and stair climbing ability by manually operating mechanism	201641025379 & 25.07.2016	Not Yet Published
14	M. Prakash, C. Logesh, P. S. Jayaprakash, P. L. Ramalingam, R. Omprakash, M. Prabu, R. Vigithra & N. Nithyanandan	Trolley straw baler by ram compressing mechanism with traction force	201641025378 & 25.07.2016	Not Yet Published
15	M. P. Chitra, M. Prem Kumar, T. Akash Salow,	I can an intelligent trash can	201641015847 & 06.05.2016	Not Yet Published

	A. Asif Iqbal & R. Aswin			
16	M. S. Saravanan, N. Mohammed Burhanuddin Dadni, T. Jayanthi, Ganesh Subramainyam & M. Arun	Internet of E & E appliance	201641032693 & 29.09.2016	Not Yet Published
17	N. Mohammed Burhanuddin Dadni, M. S. Saravanan, T. Jayanthi & Ganesh Subramainyam	Water condensation using tec	201641032696 & 29.09.2016	Not Yet Published
18	G. Subiramaniyan, J. Venkatesan, R. Parthiban, M. P. Chitra, Ganesh Subramainyam & T. Jayanthi	Tele communication theft control	201641027309 & 10.08.2016	Not Yet Published
19	P. S. Ramapraba, T. Jayanthi, M. P. Chitra, & K. P. Lavanya	Automatic diagnosis of cervical cancer lesion using gvf snake method	201641020949 & 20.06.2016	Not Yet Published
20	R. S. Ezhilarasan, M. Saravanan, B. Ganesh, V. Logesh, T. Jayanthi, & S. Deepa	Solar powered Bluetooth inhibited helmet	201641032885 & 27.09.2016	Not Yet Published

**Copyright Details:**

<b>S. No</b>	<b>Name of the Author's</b>	<b>Title</b>	<b>Copy Rights Registration No &amp; Copyrights filed Date</b>	<b>Status</b>
1	R. Shiva & Sanjivi	Computer software/ simulation of speech by classifying dynamic gestures		Registered Dairy No: 51359/2014- CO/SW

**(6) Rajalakshmi Engineering College**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	Narayanan Parthasarathy	'Jal Suddhi' A product invented to improve the water quality	4430/CHE/2011 & 19/12/2011	Awaiting Examination
2	A. Selvaraj P. Venkataraman	Modified energy efficient exhaust fan	738/CHE/2012 & 28/02/2012	Not Yet Published
3	T. N. Tekas Naren L. R. Sanjeevi Shankar & K. A. Siddharth	Cloud storage and retrieval of information using USSD in phones	4247/CHE/2013 & 20/09/2013	Not Yet Published
4	M. C. Jaikanth, Jaivignesh	Painless intra muscular nozzle gun (Pin gun)	4527/CHE/2013 & 07/10/2013	Request for Examination not filed
5	L. R. Sanjeevi T. N. Tekas Naren & Shankar Siddharth K. A.	Mobile based emergency alert system	4599/CHE/2013 & 10/10/2013	Request for Examination not filed
6	S. P. Srinivasan, M. C Jaikanth & S. Jaivignesh	Hand Held air gun	5399/CHE/2013 & 22/11/2013	Request for Examination not filed
7	Rajalakshmi Engineering College N. Radakrishan S. Shankar Bharathi & B. SasiKumar	Inspection of pluger for automotive braking system	5516/CHE/2013 & 29/11/2013	Request for Examination not filed
8	Rajalakshmi Engineering College T. M. Sridhar Sriram Ganesh & P. Sai Siddarth	Portable mobile charger with reverse polarity protection	5517/CHE/2013 & 29/11/2013	Request for Examination not filed
9	A. Selvarai B. Venkatachalapthy P. Sai Siddarth & Sriram Ganesh	Remote control for safe use of domestic gas cylinders	5515/CHE/2013 & 29/11/2013	Request for Examination not filed
10	Johanna Rajkumar &	Biopesticide from watermelon seed extract against stored food grain	4991/CHE/2013 & 06/11/2013	Request for Examination not filed

	V. Gayathri	insects		
11	V. Gayathri & Johanna Rajkumar	Insecticide isolated from cowpea ( <i>vigna Unguiculated</i> ) against ants	4992/CHE/2013 & 06/11/2013	Request for Examination not filed
12	R. Jayasree	"Lactal" a product invented to treat tannery effluent	4993/CHE/2013 & 06/11/2013	Request for Examination not filed
13	S. Sabarunisha Begum	The feasibility study of designed three phases (Solid-Liquid-Gas) invertase fluidized bed biofilm react	4994/CHE/2013 & 06/11/2013	Not Yet Published
14	L. Sowmya	Application of <i>Musa sapientum</i> extract in food preservation	4996/CHE/2013 & 06/11/2013	Not Yet Published
15	L. Sowmya	Extraction of anthocyanin from <i>Delonix regia</i>	4997/CHE/2013 & 06/11/2013	Not Yet Published
16	J. Jakith Deva Priyan Deeban Babu N. Karyhikeyan & A. Selvaraj	Optimum design for non-solenoidal operation of light commercial vehicle starter motor	2006/CHE/2013 & 17/04/2013	Not Yet Published
17	J. Jakith Deva Priyan	Voltic glove self-protection glove with insulations and conductors to provide electric shock to the criminals	2269/CHE/2013 & 24/05/2013	Request for Examination not filed
18	V. Gayathri Johanna Rajkumar Dhanushree & Akshaya	Guava leaf extract - stored food grain insecticide	5133/CHE/2015 & 06/05/2015	Not Yet Published

**(7) RMD Engineering College**

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	RMD Engineering College P. Rangarajan & B.Sindhuja	Hybrid LP gas petrol generating system	2367/CHE/2015 & 11.05.2015	Request for Examination not filed

2	RMD Engineering College P. Ezhumalai G.Bharath Vishal M.Adhitya Ram	Virtual jewelry projection system	2368/CHE/2015 & 11.05.2015	Request for Examination not filed
3	K. K.Thygharajan & S.Kavitha	Multi modality medical image fusion in disease diagnosis	2454/CHE/2015 & 15.05.2015	Request for Examination not filed
4	L. Balaji & K. K.Thygharajan	A method for scalable video coding complexity reduction	4799/CHE/2015 & 10.09.2015	Not Yet Published

**(8) R.M.K. College of Engineering and Technology**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	N&. V. Mahalakshimi P. K. Devan	New poon oil composition diesel blend as alternative fuel for diesel engine.	2279/CHE/2007 & 10.10.2007	Granted (253355)
2	T. V. Padmavathy	Extension of network lifetime for surveillance wireless sensor networks using energy efficient routing protocol	522/CHE/2012 & 13.02.2015	Request for Examination not filed
3	E. B.Perumal Pillai & T. V. Padmavathy	Development of a long-term monitoring system based on fiber optic sensors in concrete structures	4999/CHE/2015 & 18.09.2015	Request for Examination not filed
4	E. B.Perumal Pillai T. V. Padmavathy M. Dhinesh Kumar & K. Dhanraj	Design and development of cross slotted circular microstrip patch antenna strain sensor for wireless structural health monitoring	737/CHE/2015 & 16.02.2015	Request for Examination not filed
5	M. Balasubramanian & R. Kumar	A novel methodology for the placement of multi diameter interlayer OFC material in friction welding of dissimilar materials	1669/CHE/2015 & 31.03.2015	Request for Examination not filed

**(9) R.M.K. Engineering College**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	T. Lakshmanan	Induction heating assisted low cost bio-diesel production plant	11/CHE/ 2014 & 02.01.2014	Not Yet Published
2	Surith Nivas Mohandoss Saiprasad Sridaran, Ramkumar Harikrishan & Geetha Ramadas	Photovoltaic driven high-precision temperature controllable peltier domestic cooler /warmer	3165/CHE/2014 & 30.06.2014	Awaiting Examination
3	E. Kaleeswaran, S. Manivannan, Kommuju Sai Teja kashyap & Geetha Ramadas	Extending the shelf life of the food by microbial inactivation using continuous and flash process based on ohmic heating technique	7206/CHE/2015 & 10.08.2015	Application does not exist
4	Tadimeti Niharika A. Vijayapreethi M.Deepa K.A. Mohamed Junaid & M. Britto Sumitha	Efficacious cooling system centered upon establishing humidity control by encompassiang	1516/CHE/2015 & 25.03.2015	Not Yet Published
5	V. Tamil Selvi & K. A. Mohamed Junaid	Enhanced wireless alphabetic keyboard for the visually challenged	2345/CHE/2015 & 08.05.2015	Not Yet Published
6	K. R. Chairma Lakshmi A. Valli N.D. Jayashree & K. A. Mohamed Junaid	Efficient solar photovoltaic power generation using robust wet wipes system with concentrator	2346/CHE/2015 & 08.05.2015	Not Yet Published
7	Ashwin Suresh Babu Krishna Pokkuluri & K.L.Shunmuganathan	A modern, realistic and futuristic approach towarss inventing, maintaining and experiencing an artificially intelligent virtual television mate powered by highly enriched graphical user interface module and user interaction system using the image and natural user language processing.	3556/CHE/ 2015 & 13.07.2015	Not Yet Published
8	RMK Engineering College P. Karthick, N. M. Jothi Swaroopan	Low cost crop monitoring and logging using cloud	201641003801 & 03.02.2016	Not Yet Published
9	RMK Engineering College S. Siva Kumar &	Life saving gadgets	201641026216 & 01.08.2016	Not Yet Published

	N. M. Jothi Swaroopan			
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**(10) Saveetha Engineering College**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	S. Karunakaran, I. Benjamin, K. S. Lakshmikathan Bharathi & R. Ashok Kumar	Automatic electronic lab component dispenser	416/CHE/2012 & 06/02/2012	Under Examination
2	A. Raghul Christus, R. Vijay, V. Rajendra Kumar & T. Sripriya	A novel automobile key model	417/CHE/2012 & 06/02/2012	Under Examination
3	S. Karunakaran, R. Jagan, G. P. Sathish, D. Domesan & G. Iniyavan	Automatic merchandising machine	418/CHE/2012 & 06/02/2012	Under Examination
4	M.Santhanakumar, R. Adaldrasan & S. Thileepan	A novel device for passenger's safety during collision and fire	1614/CHE/2015 & 30.03.2015	Request for Examination
5	B. K. Gnanavel & Subathra Devi Sriarun	A novel sustainable green concrete	4797/CHE/2015 & 10.09.2015	Not Yet Published

**(11) Sri Sai Ram Engineering College**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	A. Rajendra Prasad R. Aarthi & G. Swathi	Mobline a mechanism for enhancing the functionalities of existing landlines	3526/CHE/2010 & 23.11.2010	Under Examination
2	Gunapati Tharun Reddy & Muthukumar Rajkumar	Hands free motor bike	4774/CHE/2012 & 15.11.2012	Request For Examination



3	A. V. Joshi Kumar, K. Ayesha Tehseen & T. Madhan Prabhu	PENPAL – An electronic pen aiding visually impaired in reading, understanding and visualizing textual contents	396/CHE/2012 & 02.02.2012	Request For Examination
4	Sri Sai Ram Engineering College, Vishal Chandrasekhar, A. Rajendra Prasad & Vishal Chandrasekar	Bluetooth based vehicle engine control system	4784/CHE/2013 & 23.10.2013	Request For Examination
5	Sri Sai Ram Engineering College, K. Anbumani, S. Sriram, S. Kamesh, & S. Sairam	Counterfeit currency detection technique using image processing polarization principle and holograph	499/CHE/2014 & 04.02.2014	Request For Examination
6	A. Abdul Rahaman	Green box for green house	5586/CHE/2014 & 06.11.2014	Request For Examination not filed
7	R. Sriram & R. Gayathri Devi	Encompassing demand dispatch feature in automatic voltage regulator (AVR) of synchronous generator	3910/CHE/2014 & 08.08.2014	Request For Examination
8	R. Vimal & R. Raghunathan	Method of preparation of acyl-4,4' -di(azo- alkanol or amino) (dipheyl sulfone or methyl pyrimidine)	1517/CHE/2015 & 25.03.2015	Request For Examination

**(12) St. Joseph's College of Engineering**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	G.S. Uthaya Kumar, S. Justin Packia Jacob & A. Sivasubramanian	Fiber optic skin film trasilluminator	1184/CHE/2014 & 07.03.2014	Request for Examination not filed
2	S. Justin Packia Jacob, G.S. Uthayakumar & S. Inbasekaran	Skin film ECG electrode	3542/CHE/2014 & 18.07.2014	Request for Examination not filed
3	S. Justin Packia Jacob, G.S. Uthayakumar & S. Inbasekaran	Algal based thin film sheet for vitiligo treatment	3994/CHE/2014 & 14.08.2014	Request for Examination not filed

4	Herald wilson A M. Ambrose & S. Justin Packia Jacob	A poly herbal anti diabetic drug diaheal-1 preparation and the process of preparing the same	5947/CHE/2014 & 27.11.2014	Request for Examination not filed
5	Ramani R. Kalpathi	Phase commutation of a switched reluctance motor by single phase sensing of inductance	US 09/427597 & 27.10.1999	Granted (US6242874B1)
6	Ramani R. Kalpathi	Sensing load and/ or speed changes in a switched reluctance motor through current chopping	US 09/306155 & 06.05.1999	Granted (US6137248)
7	Ramani R. Kalpathi	Sensorless switched reluctance mototr control	US 09/100733 & 19.06.1998	Granted (US6107772)
8	Ramani R. Kalpathi	C-Dump switched reluctance hysteresis control	US09/135828 & 18.08.1998	Granted (US6060858)
9	Ramani R. Kalpathi	Sensorless detection of a locked rotor in a switched reluctance motor	US09/281175 & 30.03.1999	Granted (US6011368)
10	Ramani R. Kalpathi	Method and apparatus of reducing acoustic noise in switched reluctance electric motor	US09/050881 & 30.03.1998	Granted (US5973462)
11	Ramani R. Kalpathi	Active phase coil Inductance sensing	US08/749461 & 15.11.1996	Granted (US5786681)
12	G. Murugesan & G. S. Uthaya Kumar	Spectrasoft	3978/CHE/2014 & 13.08.2014	Not Yet Published
13	G. Murugesan & A.Prabhuchakravarthy	Third eye	4696/CHE/2014 & 25.09.2014	Not Yet Published
14	G. S. UthayaKumar	Human body signal biosensor	2238/CHE/2014 & 05.05.2014	Not Yet Published

**(13) Sri Venkateswara College of Engineering**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	Sri Venkateswara College of Engineering G. Havisha, M. Asifullah, E. Lavanya, N. Meyyappan & D. G.Rao	A process for the preparation of fruit toffees by microwave heating	201641035133 & 14.10.2016	Not Yet Published

**(14) Tagore Engineering College**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	S.Thanigaiarasu, Dharmahinder Singh Chand & R. Asad ahmed	Method and device for controlling sonic under - expanded jets	3765/CHE/2015 & 22/07/2015	Request for Examination

**(15) Valliammai Engineering College**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	Hendre Vaibhav Shantaram, Murugan Mahalingam & Deshmukh Madhukar Mohanrao	Method and system for transmit antenna selection with optimum combining in cognitive radio network under the impact of aggregate interference	2036/MUM/2015 & 26/05/2015	Request for Examination not filed

**(16) Vel Tech**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	Chandramohan & Krishnaswamy Marimuthu	Artificial bone implant	2349/CHE/2010 & 16/08/2010	Under Examination

2	Devarajan Chandramohan Suriya Singh Sandeep, Venkateshappa Surya Prasath, Viswanath Sharath & Rajendran Sunder	Hybrid reinforced composite material	193/CHE/2012 & 17/01/2012	Under Examination
3	Devarajan Chandramohan & Krishnaswamy Marimuthu	Design and fabrication of natural fibre reinforced composite material for plastic replacement	385/CHE/2012 & 01/02/2012	Under Examination
4	Krishnasamy Rajan	Energy efficient equilateral triangular - e3 triangle three phase transformer	1890/CHE/2012 & 11/05/2012	Under Examination
5	Krishnasamy Rajan	Energy efficient, three set of stepped loop in loop cores between two set of cores	5371/CHE/2013 & 21/11/2013	Not Yet Published
6	Devarajan Chandramohan	Natural fibre particle reinforced composites	2547/CHE/2015 & 21/05/2015	Request for Examination
7	Devarajan Chandramohan	Fabrication of printed circuit board using hybrid of punica granatum and calotropis gigantea reinforced composites	2995/CHE/2015 & 16/06/2015	Request for Examination not filed
8	Devarajan Chandramohan	Structural optimization of artificial hip prostheses by finite element method	3115/CHE/2015 & 22/06/2015	Request for Examination not filed
9	Devarajan Chandramohan	Customization of leaf spring	3135/CHE/2015 & 23/06/2015	Request for Examination not filed

**(15) Velammal Institute of Technology**

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	L. Balaji, K.K. Thyagarajan	A Method for Scalable Vider Coding Complexity Reduction	4799/CHE/2015 10.06.2015	Not Published

**Copyright Details:**

<b>Name of the Author's</b>	<b>Title</b>	<b>Copy Rights Registration No &amp; Copyrights filed Date</b>	<b>Status</b>
Raakesh. P & Anusha . S.	MULTICIP (Computer software work)	SW – 8263/2015 & 07/07/2014	Registered Dairy No: 51359/2014-CO/SW

## II) COIMBATORE REGION

### 1) Bannari Amman Institute of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	A. Amarkarthik	An apparatus and a method for converting mechanical energy of sea waves into electrical energy	322/CHE/2007 & 16.02.2007	Granted (253757)
2	A. Amarkarthik	Double acting power take off device for ocean wave energy conversion	692/CHE/2008 & 20.03.2008	Granted (276447)
3	G. Senthil Kumar	Novel bicycle pump using pedaling energy for air filling attachment	1903/CHE/2012 & 15.11.2013	Under Examination
4	K. M. Parammasivam G. Sivaraj & S. Senthil Kumar	Aerodynamic drag reduction of a hatch back car using base bleed	3777/CHE/2010 & 10.12.2010	Under Examination
5	K. M. Parammasivam S. Senthil Kumar & G. Sivaraj	Optimization of vortex generator for "sedan" car model for reduction of aerodynamic drag	3778/CHE/2010 & 31.12.2010	Under Examination
6	G. Sivaraj	Automatic dust removal system on hatch back car	5072/CHE/2015 & 23.09.2015	Not Yet Published
7	K. Balakrishnan	Cell crowding formulations of bacterial bio fertilizers bio agents supporting agriculture	532/CHE/2013 & 08.02.2013	Request for Examination
8	K. Balakrishnan	Twin impact model of embedded nutrifilm bioreactor curtailing heat transfer problem during microbial growth	4752/CHE/2013 & 22.10.2013	Request for Examination
9	K. Balakrishnan	Self safe formulations of sugarcane juice based natural drinks	4751/CHE/2015 & 22.10.2013	Request for Examination
10	Thilak Vadicherla, k. Gokum Kumar A. Sureenthar P. M. Shyamaprasad & S. Harikrishnan	Formal cum casual wear	3760/CHE/2013 & 06.03.2015	Request for Examination

11	V. Senthilkumar T. Palanisamy & V.N. Vijayakumar	Microbial creat composite	5292/CHE/2014 & 06.11.2015	Request for Examination
12	D. Sharmila	Bird deterrent system	2837/CHE/2015 & 05.06.2015	Request for Examination
13	National Institute of Technology Ganesan Saravana Inango, P. Srinivasa Rao & B. Indu Rani	A photovoltaic system and a method of arranging pv arrays in pv system	3192/CHE/2013 & 17.07.2013	Awaiting Examination

## 2) Erode sengunthar engineering college

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	L. Boopathi	Borassus fruit fiber reinforced epoxy composite material	2304/CHE/2012 & 11.06.2012	Withdrawn
2	L. Boopathi P. Chokklingam L. Jerish Raj & R Gokul Krishnan	A device to prevent LPG leakage	311/CHE/2015 & 22.01.2015	Request for Examination

## 3) Kalagnar karunanidhi Institute of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	P. Sadasivam & N. Mohan Das Gandhi	Double sided knitted fabric rotary printing machine	594/CHE/2012 & 02/03/2012	Under Examination

#### 4) Karpagam College of Engineering

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	Yesudess Dominic Ravichandran, S. Natarajan & R. Rajesh	A new series of azepan-2-one derivatives of pyrimidine as drug like molecules and a new strategy for the deprotection of amine through N,N diisopropylformamide along with catalytic cross coupling using bis(triphenylphosphine) palladium(II) dichloride ( $\text{PdCl}_2(\text{PPh}_3)_2$ )	5241/CHE/2012 & 17.12.2012	Request For Examination
2	P. Karthigaikumar & R. Arun Kumar	Building quality analyzer and a life predictor to avoid collapse/disaster	5689/CHE/2014 & 12.11.2014	Examination not filed
3	Yesudess Dominic Ravichandran, H. Ayyam Perumal, S. Natarajan & R. Rajesh	Development of graphene oxide incorporated polysaccharide and hydroxyapatite based tri component composite scaffolds and study of their osteoconductivity on MG-63 cell line	5941/CHE/2014 & 27.11.2014	Examination not filed
4	Yesudess Dominic Ravichandran & S. Natarajan	Design synthesis and characterization of new series of pyrimidine derivatives exploration of anti-proliferative activity on eat cells	5942/CHE/2014 & 27.11.2014	Examination not filed
5	N. A Sundhareswara T. Vishnu R. Arun Kumar	High efficient renewable power generator drive for portable application a portable windmill	6859/CHE/2014 & 31.12.2014	Request For Examination not filed
6	Ebin Ephrem Elavathingal B. Nagaraj, T. Vishnu R. Arun Kumar	Cost efficient tyre inflation monitoring system for any vehicle	19/CHE/2015 & 02.01.2015	Request For Examination not filed
7	R.Venkatesh S. Sethuraman & B. Nagaraj	Automatic vehicle pollution monitoring and penalty system in toll gate	3219/CHE/2015 & 26.06.2015	Request For Examination not filed



8	Ebin Ephrem Elavathingal, T.K ethuramalingam & B. Nagaraj	Electronic healthcare monitoring and prediction system	20/CHE/2015 & 02.01.2015	Request For Examination not filed
9	S. Arun Kumar, S. Vishnu Priya & 3. DR.B.Nagaraj	Tree smuggler detection	3399/CHE/2015 & 20.07.2015	Request For Examination not filed

#### 5) Karpagam Institute of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	T. Ramachandran	A process for manufacturing air jet textured silk filament	137/MAS/2000 & 06.03.2000	Withdrawn
2	T. Ramachandran	A process for manufacturing limit de limit textured and a system for manufacturing the said silk filament	138/MAS/2000 & 06.03.2000	Withdrawn
3	T. Ramachandran	Design of two for one twisting spindle for retrofitting silk up twisting machines	761/MAS/1999 & 23.04.2004	Withdrawn

#### 6) K.S.R College of Engineering

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	N. Rengarajan	Manual sea weed algae juice extractor	3319/CHE/2008 & 30.12.2008	Granted (268995)
2	R. Marappan & A. Karthikeyan	Five finger anthropomorphic hand	3268/CHE/2011 & 22.09.2011	Not Yet Published
3	R. Marappan & G. Dhanasekaran	Improved vertical axis wind mill	3269/CHE/2011 & 22.09.2011	Not Yet Published
4	A. Karthikeyan	Vertical axis wind turbine with wind navigator vanes	4655/CHE/2011 & 30.12.2011	Not Yet Published

5	A.Karthikeyan	Vertical axis wind turbine with direction wind gauge	4656/CHE/2011 & 30.12.2011	Not Yet Published
6	T. Palanisamy & G. Dineshkumar	Basaltcrete building blocks	4959/CHE/2012 & 29.11.2013	Request For Examination
7	R. Marappan P. Senthilkumar & P.Sabarinath	Hybrid axis CAM guided telescope blade yaw controlled wind mill	570/CHE/2012 & 16.02.2012	Not Yet Published
8	R. Marappan, P. Senthilkumar, A. Karthikeyan	Hybrid wind mill	571/CHE/2012 & 16.02.2012	Not Yet Published
9	T.K.Kannan & R.Marappan	Preparation of emulsified Bio diesel using Stirrer	4138/CHE/2012 & 04.10.2012	Not Yet Published
10	K.S.R. College of Engineering & P.Jayakumar	Automatic Sea Fish Juice Extraction	1105/CHE/ 2012 & 26.03.2012	Withdrawn
11	V.P.Venkataramana Murthy & P.Senthilkumar	The use of tio2 nanoparticles in the reciprocating compressor lubricant to decreases the total irreversibility of vapour compression refrigeration system	3388/CHE/2012 & 16.08.2012	Withdrawn
12	V.P.Venkataramana Murthy & P.Senthilkumar	The use of tio2 nanoparticles in the rotary compressor lubricant to increase the energy efficiency of vapour compression refrigeration system.	3389/CHE/2012 & 16.08.2012	Withdrawn
13	V.P.Venkataramana Murthy & P.Senthilkumar	The use of tio2 nanoparticles in the rotary compressor lubricant to decrease the total irreversibility of vapour compression refrigeration system.	3391/CHE/2012 & 16.08.2012	Withdrawn
14	V.P.Venkataramana Murthy & P.Senthilkumar	The use of tio2 nanoparticles in the reciprocating compressor lubricant to increase the exergy efficiency of vapour compression refrigeration	3392/CHE/2012 & 16.08.2012	Withdrawn

		system.		
15	M. Amala Justus Selvam P.Senthilkumar & N. Natarajan	Plate heat exchanger for dairy industry	4047/CHE/2012 & 28.09.2012	Withdrawn
16	N. Natarajan P.Senthilkumar & M. Amala justus selvam	The persuade of the tube-in-tube compact heat exchanger to increase the performance of joule-thomson refrigeration system	4048/CHE/2012 & 28.09.2012	Withdrawn
17	P. Senthilkumar & R. Dhanasekaran	The use of wc-co micro particles on the en 353 steel substrate to increase the wear resistance and improve the life of the planetary gear drive system by using plasma spray technology.	4117/CHE/2012 & 11.04.2014	Withdrawn
18	T. Palanisamy & N. Sudharsan	Glasscrete building blocks	5315/CHE/2013 & 19.11.2013	Request For Examination
19	T. Palanisamy	Luffacrete panels	5316/CHE/2013 & 19.11.2013	Request For Examination
20	T. Sureshkumar,	Metallurgical properties of Al(2024)-TIB2 situ composite	9036/CHE/2014 & 20.08.2014	Application does not exist
21	T. Palanisamy V. Senthilkumar & V. N. Vijayakumar	Microbialcrete composite	5292/CHE/2014 & 06.11.2015	Request For Examination
22	T. Palanisamy & N. Muralimohan	Hybrid natural coagulants	5635/CHE/2014 & 10.11.2014	Not Yet Published
23	R. Marappan A. Karthikeyan N. Shivasankaran P. Sabarinath & T. Santhosh Kumar	Device for rescuing trapped victims from bore-wells	3490/CHE/2014 & 16.07.2014	Request For Examination
24	N. Suguna Ramu & P. Senthilkumar	Using R32/R125/R600a as alternate to R22 in residential air Conditioners	937/CHE/2014 & 25.02.2014	Not Yet Published
25	N. Suguna Ramu & P. Senthilkumar	Performance assessment of residential air conditioners using	938/CHE/2014 & 25.02.2014	Not Yet Published

		CH2F2/C2HF5/isobutene refrigerant mixtures		
26	N. Shivasankaran & P. Senthilkumar	A hybrid bubble sorting simulated annealing algorithm for flexible job shop scheduling	2164/CHE/2014 & 29.04.2014	Not Yet Published
27	N. Shivasankaran & P. Senthilkumar	A Hybrid Sorting Immune Simulated Annealing Algorithm For Flexible Job Shop Scheduling	2220/CHE/2014 & 02.05.2014	Awaiting Examination
28	V. Revathi & R. Gopi	Development of Self Compacting Self Curing Concrete With Flyash Aggregate	3512/CHE/2015 & 09.07.2015	Request For Examination
29	V. Revathi & K. S.Elango	Development of FAL-G Binder Pervious Concrete for Parking Lots	3513/CHE/2015 & 09.07.2015	Request For Examination
30	V. Revathi & R. Saravanakumar	Innovative bottom ash geopolymer concrete blocks	1830/CHE/2015 & 07.04.2015	Request For Examination
31	S. Senthilkumar & P. Velumani	An innovative sludge integrated flyash bricks	3437/CHE/2015 & 06.07.2015	Request For Examination
32	A. Geethaselvarani	Identification of suitable artificial recharge sites using fuzzy logic	3436/CHE/2015 & 06.07.2015	Request For Examination
33	S.Southamirajan S.Santhosh R.Babu & K.Santhoshkumar	Plywood sandwich panel with steel slag and bitumen	4421/CHE/2015 & 24.08.2015	Not Yet Published
34	S.Southamirajan S.Santhosh R.Babu, & K.Santhoshkumar	Bitumen bound sewer storage tank	4422/CHE/2015 & 24.08.2015	Not Yet Published
35	M. Somu & C. Anand	Foot rest for indian baby in two wheelers	4870/CHE/2015 & 14.09.2015	Not Yet Published
36	P. Balamurugan & V. Sharmila	Integrated securing schemes for data gathering in wireless sensor networks	4994/CHE/2015 & 18.09.2015	Not Yet Published
37	P. S. Periasamy	Development of finger print bio-metric attendance and messaging system for the doctors in veterinary	2317/CHE/2015 & 07.05.2015	Not Yet Published
38	K. Karuppanasamy P. Mahendran	An improved artificial hand	1244/CHE/2015 &	Request For Examination

	A. Lavanya A. Karthikeyan P. Sabarinath & R. Marappan		13.03.2015	
39	T.R.Sumithira	Smart solar photovoltaic system based multimode matrix converter	3946/CHE/2015 & 31.07.2015	Not Yet Published
40	C.Gowrishankar	A portable and cost effective ecg data acquisition and analysis system	3945/CHE/2015 & 31.07.2015	Not Yet Published
41	A.Maheswari	Power quality enhancement of trinary asymmetric cascaded h-bridge multilevel inverter using specific harmonic elimination	4586/CHE/2015 & 31.08.2015	Not Yet Published
42	G. Singaravel & K. Ganesh Kumar	Adaptive reusability risk analysis model for software development	4685/CHE/2015 & 04.09.2015	Not Yet Published
43	R. Marappan A. Karthikeyan, K.Paramasivam & P. Sabarinath	An improved artificial hand	1244/CHE/2015 & 13.03.2015	Request For Examination
44	D.Vinothkumar S.MAGIBALAN M.MURUGA PRASATH 4. K.BHARATHS. Magibalan	Vertical adjustment mechanism for glass window in passenger vehicles	4387/CHE/2015 & 21.08.2015	Examination not filed
45	S. Magibalan	Direct cloth handing clip	4218/CHE/2015 & 13.08.2015	Not Yet Published
46	T. Palanisamy & P. Prasanthini	PVA concrete composite panel	201641038577 & 15.11.2016	Not Yet Published
47	T. Palanisamy & Vidhya	Incinerator ash paving block (IAPB)	201641038578 & 15.11.2016	Not Yet Published
48	T. Palanisamy & M. Gunasekaran	Light weight concrete using fly ash and bagasse ash	201641038579 & 15.11.2016	Not Yet Published
49	T. Palanisamy & M. AjmalMuhammed	Fly ash artificial aggregate (FACA)	201641038580 & 15.11.2016	Not Yet Published
50	G. Vijaykumar, M. Karthick,	Novel pin number shffing algorithm for secured atm	201641000241 &	Not Yet Published

	R. Karthick, C. Maneesha & M. Manoj Prabakaran	centre interfaced with automatic shuffer	05.01.2016	
51	P. Senthil Kumar, P. Rajendran, K. Manogar, M. Bhuvaneshkumar, R. Bharath Kumar & A. Sirdar	Experimental investigation and performance analysis of centrifugal pump using cfd	201641003461 & 22.01.2016	Not Yet Published
52	P. Manumeethi Arasu, V. Krishnaraj, A. Karthikeyan, P. Senthil Kumar, P. Dhiravidamani, C. Sivakumar, K. Perumal, K. Selvaraj, P. Krishnan & D. Madhan	[0/+30/+45/90] and bi directional glass fiber with isophatalic resin based composite car bonnet	201641002738 & 25.01.2016	Not Yet Published
53	P. Manumeethi Arasu, V. Krishnaraj, A. Karthikeyan, P. Senthil Kumar, P. Dhiravidamani, C. Sivakumar, K. Perumal, K. Selvaraj, P. Krishnan & D. Madhan	Investigation of impact properties for glass fiber jute fiber and hybrid glass jute fiber	201641002737 & 25.01.2016	Not Yet Published
54	P. Senthil Kumar, S. Rajaganapathy, P. Rasagopal, M. Prabhu, C. M. Dinesh & T. Santhosh Kumar	Design of computation device for T64 powder alloy particles	201641003462 & 01.02.2016	Not Yet Published
55	M. Karthick, J. Venkatesh, P. Pascal Jetaseelan, N. Vivek, M. Tamilarasan &	Performance and emission characteristics of single cylinder diesel engine using corn oil blend as bio diesel	201641004362 & 08.02.2016	Not Yet Published

	M. Anbalagan			
56	T. Ramya, K. Balamurugan, N. Saravanan & S. Periyasamy	A motion restoration model based on border deformation detection	201641005022 & 12.02.2016	Not Yet Published

### 7) K.S. Rangasamy College of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	B. Mythili Gnanmangai & P. Ponmurugan	Biosynthesis of gold and silver nanoparticles for stability and extended shelf-life of antagonistic activities	US/12/916497 & 30.10.2010	Application filed
2	B. Mythili Gnanmangai & P. Ponmurugan	Preparation of PGPR bioformulation for the biological control of red root rot disease in tea plants	US /13/092178 & 22.04.2011	Application filed
3	S. Anita, B. Nithya & P. Ponmurugan	Bioformulation of vermicompost based trichoderma atroviride causal agent of phomopsis canker disease in tea plants	US/13/348444 & 24.01.2012	Application
4	M. A. Deepa, G. Saravanan & P. Ponmurugan	Bioefficacy of garlic based bioformulation of antidiabetic activity	US/13/293796 & 04.09.2012	Not Yet Published
5	B. Nithya, P. Ponmurugan, & N. Mathivanan	Production of secondary metabolites from acid tolerant actinomycetes (streptomyces sannanensis ksrii) and their analysis by gc-ms method	1366/CHE/2013 & 19.04.2013	Request For Examination
6	A. Sriram & M. Ramya	Formulation of nbs-lrr gene transformed e. coli along with powdered egg shell for its use as a biocontrol agent	2854/CHE/2013 & 19.07.2013	Request For Examination
7	J. Philip Robinson	In vitro regeneration and mass multiplication of emilia zeylanica c. b. clarke (asteraceae) - a potential medicinal herb	2863/CHE/2013 & 28.06.2013	Request For Examination

8	S. Anita, D. Vaishnu Devi & P. Ponmurugan	Probiotication of nannari syrup by using lactobacillus acidophilus isolated from curd	2859/CHE/2013 & 28.06.2013	Request For Examination
10	B. Bagyalakshmi, P. Ponmurugan & A. Balamurugan	Potassium solubilizing efficiency of pseudomonas putida isolated from tea plantation soil	2856/CHE/2013 & 28.06.2013	Request For Examination
11	R. Subbaiya, R. Kaviyadhivya, P. Ponmurugan & M. Masilamani Selvam	Isolation and partial characterization of biologically synthesized silver nano particles from streptomyces pseudogriseolus and its anti-bacterial activity	2858/CHE/2013 & 19.07.2013	Request For Examination
12	S. Venkatesa Prabhu R. Baskar & P. Ponmurugan	Bioleaching process of chromium, nickel, zinc and lead from electroplating industrial waste sludge using bubble column	2851/CHE/2013 & 28.06.2013	Request For Examination
13	G. Ayyappadasan, P. Ponmurugan, Rama s verma, Sanjeeva nayaka & P. Deepak Kumar	Microwave assisted detection of uv-absorbing compounds from lichen	2860/CHE/2013 & 28.06.2013	Request For Examination
14	R. Arutselvi & N. Ramachandran	Enzyme based formulation of chitinase from entomopathogenic fungi	2862/CHE/2013 & 28.06.2013	Request For Examination
15	G. Bharath, M. Karthikeyan & S. Venkatesa Prabhu	An optimized packed bed reactor with aspergillus niger-ksr-21 biomass for textile effluent treatment-a pilot study	2864/CHE/2013 & 28.06.2013	Request For Examination
16	C. Monica & R. Arulvel	Extraction of crude dye stuffs from used flowers	2857/CHE/2013 & 28.06.2013	Request For Examination
17	D. Gayathri & S. Poornima	Biosorption of hexavalent chromium by trichodermaatroviridae	2852/CHE/2013 & 28.06.2013	Request For Examination
18	R. Subhaharshni R. P. Janani J. Rajani Sowparnika & V. Balakrishnan	Formulation of biocontrol insecticide against mosquito and mosquito larvae from plant leaf extracts	2855/CHE/2013 & 28.06.2013	Request For Examination
19	J.Ebenezer Samuel king, M. Balasubramanian, &	Anti snake venom property of ruta graveolens l. on naja naja venom	2850/CHE/2013 & 28.06.2013	Request For Examination



	K.V. Krishnaveni			
20	S. Kirubhakaran, & M. Nithya	Production and evaluation of manikara zapota and carica papaya flavoured yogurt	2853/CHE/2013 & 28.06.2013	Request For Examination
21	B. Gangathraprabhu P. Ponmurugan & K. Mahesh	Isolation and molecular depiction of dna binding protein from salmonella. typhi	2865/CHE/2013 & 28.06.2013	Request For Examination
22	V. Rajendran N. Palanivelu & B. K. Chauduri	A device for the measuring velocity and attenuation of ultrasonic waves in solid sample at low temperatures upto 90k	14/DEL/2002 & 10.01.2002	Granted (236828)
23	V. Rajendran N. Palanivelu & B. K. Chauduri	A device for measurement of ultrasonic velocity and attenuation in solids under different thermal conditions	699/DEL/2001 & 22.06.2001	Granted (244567)
24	Venkatachalam Rajendran, Sukumar Pavithra & Kathirvel Sasipriya	Preparation of nanoparticles from acalypha indica leaves employing milling technique for biomedical and industrial applications	1715/CHE/2009 & 20.07.2009	Abandoned
25	N. Kannan, V. Rajendran V. Elango & R. Yuvakkumar	Influence of nano silica on the growth and yield of maize crop	237/CHE/2009 & 18.05.2009	Abandoned
26	Venkatachalam Rajendran, Narayana Samy Kannan, Rathinam Yuvakkumar, Viswanathan Elango & Palanisamy Manivasakan	A novel method to prepare crystalline nano molybdenum particles	218/CHE/2009 & 30.01.2009	under Examination
27	P. K. Panda, V. Rajendran, B. Shau, P. Manivasakan & P. R. Rauta	Production of nanostructured silicon from natural quartzite	4042/CHE/2013 & 10.09.2013	Request For Examination
28	Venkatachalam Rajendran, Rangaraj Suriyaprabha, Devarajan	TIO2 and neem doped chitosan - hydroxypropyl methylcellulose nanocomposite films for food packaging applications	736/CHE/2014 & 17.02.2014	Request For Examination

	Shanmugapriya & Rathinam Yuvakumar			
29	L. Boopathi, P. S.Sampath, & K. Mysamy	Borassus fruit fiber reinforced epoxy composite material	2304/CHE/2012 & 13.12.2012	Withdrawn
30	V.P. Venkataramana Murthy & P Senthil Kumar	The use of tio2 nanoparticles in the reciprocating compressor lubricant to decreases the total irreversibility of vapour compression refrigeration system	3388/CHE/2012 & 16.08.2012	Withdrawn
31	V.P. Venkataramana Murthy	Enhancement of pressure in refrigerator S&N bsp compressor using nanolubricants	3390/CHE/2012 & 16.08.2012	Abandoned
32	V.P. Venkataramana Murthy & P Senthil Kumar	The use of tio2 nanoparticles in the rotary compressor lubricant to decrease the total irreversibility of vapour compression refrigeration system	3391/CHE/2012 & 21.02.2014	Withdrawn
33	V.P. Venkataramana Murthy & P Senthil Kumar	The use of tio2 nanoparticles in the reciprocating compressor lubricant to increase the exergy efficiency of vapour compression refrigeration system	3392/CHE/2012 & 21.02.2014	Request for Examination not filed
34	R. Dhanasekaran & P Senthil Kumar	The use of wc-co microparticles on the en 353 steel substrate to increase the wear resistance and improve the life of the planetary gear drive system by using plasma spray technology	4117/CHE/2012 & 11.04.2014	Withdrawn
35	R. Dhanasekaran & A. Kumaravel	Studies on thermal properties of aluminium silicon (AL-SI) material	1903/CHE/2014 & 11.04.2014	Request for Examination not filed
36	R. Dhanasekaran & A. Kumaravel	Studies on wear properties of carbide coating on case carburized steel	1904/CHE/2014 & 11.04.2014	Request for Examination not filed
37	R. Dhanasekaran, & A. Kumaravel	Design and fabrication of piston by using aluminum alloy	1323/CHE/2015 & 30.04.2015	Not Yet Published

38	R. Dhanasekaran, & A. Kumaravel	Improving the mechanical properties of LM25 By adding alloying elements	1324/CHE/2015 & 30.04.2015	Not Yet Published
39	G. Venkatachalam, R. Dhanasekaran, & A. Kumaravel	Effect of lithium and zirconium addition on LM25 aluminum cast alloy	1321/CHE/2015 & 30.04.2015	Not Yet Published
40	G. Venkatachalam, R. Dhanasekaran, & A. Kumaravel	Analysis of mechanical properties of LM25 in comparison with other grades of aluminum	1322/CHE/2015 & 30.04.2015	Not Yet Published
41	S. Durairaj, M. Ilangkumaran, J.R. Sunil Kannan, S. Nandhakumar, S. Saravana Kumar, & S. Natrayan	Integrated dam automation system (IDAS)	2997/CHE/2015 & 16.06.2015	Request for Examination
42	Arthanarisamy Murugesan, Periyasamy Shanmugam, Chandrasekaran & Vijayakumar	Innovative and efficient technology for bio diesel production from non edible oil	1103/CHE/ 2011 & 01.04.2011	under Examination
43	G. Ayyappadasan	SINGLE STEP PROCESS OF EXTRACTION AND PURIFICATION OF METHYL- $\beta$ -ORSELLINATE FROM LICHEN ROCELLA MONTAGNEI FOR POTENTIAL ANTIMICROBIAL ACTIVITY	201641042258 & 10.12.2016	Request For Examination

### 8) Kongu Engineering College

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	Durga Devi Alagar, Jagadeesh Natarajan, Rajesh Kumar & Rajendran	Self-tracking solar panel	941/CHE/2004 & 21.09.2004	Granted (212162)
2	Arumugam Somasundaram, Sekar Srikaanth,	Auto fish feed mechanism	943/CHE/2004 & 21.09.2004	Granted (210082)

	Gunasekaran Vijayasekaran, Nedunchelian Akilan, Sakyhivelan & Ganapathy			
3	Nanjan Velmani, Shanmughan Sri Sakthi Saravana Prabhu, Babu Jegadesan. Ramachandran Vijayaraj, Subramanian & Senthilkumar	Mineralization of a model pollutant over silver modified tio2 immobilized on a rotating cylindrical reactor	944/CHE/2004 & 21.09.2004	Granted (211890)
4	PSS. Srinivasan, Palaniappan Thangavel, Easwaramoorthy & Meyyappan	Mecha duster	945/CHE/2004 & 21.09.2004	Granted (219747)
5	Varadharajulu Rajaram Saraswathy, Krishnan Subramanian & Satheesh	Polymorphic keyboard for physically handicapped	947/CHE/2004 & 21.09.2004	Granted (219748)
6	Sakthivel Pavithra, Veerappan Ramasamy Ganeshkumar, Raju Saravanan, Thiunavukkarasu & Nataraj	Locker control system using mobile phone	948/CHE/2004 & 21.09.2004	Granted (231152)
7	Sundarraaj jagasaravanan, Sunramani Suresh Kumar, Selvarajan Karthkeyan, & Rajangam Alagarsamy	Electronic level indicator using sensors	949/CHE/2004 & 21.09.2004	Granted (220419)
8	Govindasamy Murugesan, Ganeshan Manikandan, Ramasamy Shankar, & Jaba Chakraborty	Automatic gas stove	951/CHE/2004 & 21.09.2004	Granted (219187)
9	Baskaran Pattabiraman, Sivakumar & Balamurugan	Foldable shoe	955/CHE/2004 & 21.09.2004	Granted (229355)

10	Kongu Engineering College S. Shankar & M. Shanmugam	Portable dust collector for removing dust from chalk eraser	4883/CHE/2014 & 29.09.2014	Request For Examination
11	Kongu Engineering College Shanmugam Maheswaran, Ramasamy & Sathishkumar	A fruit harvesting device	5280/CHE/2014 & 23.10.2014	Request For Examination
12	Kongu Engineering College S. Gomathy, N. Kuralarasan, B. Suganya, & R. Gururaja	Automatic seed planter	2786/CHE/2015 & 03.06.2015	Request For Examination

#### 9) Kumaraguru College of Technology

S. No	Inventor,s Name	Title	Application No. & Patent Filed Date	Status
1	F. Stephen Joe	Organic vapor deposition using stephen joe technique	5069/CHE/2014 & 09.04.2014	Request For Examination
2	Sakthi Kumar Arul Prakash	Design of an alpha-beta double piston hybrid stirling engine	3947/CHE/2015 & 28.08.2015	Request For Examination

#### 10) PSG College of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	PSG College of Technology Manimuthu Arunmozhi Shankarram Varadarajan, Navaneethan &	Intelligent metering and controlling system for transformers	3751/CHE/2014 & 31.7.2014	Request For Examination

	Palaniswamy			
2	S. Hema Chitra, S. Subha Rani, & S. Nikilla	An integrated development environment for modelling and prototyping an application specific NOC	5631/CHE/2014 & 07.11.2014	Request For Examination
3	PSG College of Technology V. K. Manoharan & Sharma Saravanan	Involuntary method for separating waste particles using waste particles separator	4697/CHE/2015 & 04.09.2015	Request For Examination
4	PSG College of Technology M. Senthil Kumar S. Chidambara Raja & G.Parthiban	Onion peeler	2288/CHE/2012 & 07.06.2012	Request For Examination
5	PSG College of Technology Senthilkumar Movleeswaran, Mohankumar Kandhasamy Selvaraj, Raviprakash Selvaraju Krishnaveni & Vineethraj Perumalraj	Automated system and method for controlling a valve of a lpg cylinder	646/CHE/2014 & 11.02.2014	Request For Examination
6	PSG College of Technology Arunachalam Muthiah M. Senthil Kumar	A folding mechanism for a bicycle	3442/CHE/2014 & 11.07.2014	Request For Examination
7	PSG College of Technology T. Sivakumar, K. V. Arun Maari Rajha, & F. R. Jeevan	Advanced tamil keyboard	3563/CHE/2013 & 09.08.2013	Awaiting Examination
8	PSG College of Technology T. Sivakumar, R.Venkatesan, & T. Anusha	Image encryption and decryption system for encrypting/ decrypting an image based on calligraphy pattern	5311/CHE/2014 & 24.10.2014	Request For Examination
9	PSG College of Technology G. Thilagavathi &	Stretch woven fabrics for comfort fit sari blouse	2919/CHE/2012 & 19.07.2012	Request For Examination

	Nirmala Varghese			
10	G. Thilagavathi, S. Neelakrishnan & T. N. Praveen	System and method for dynamically adjusting acoustics	6377/CHE/2014	Not Yet Published
11	S. Periyasamy	Dye bath composition and process modification for low temperature dyeing	2312/CHE/2014 & 09.05.2014	Not Yet Published
12	J. Ravichandran	Stable metal zirconium phosphates for colour applications	EP20010923965 & 20.03.2001	Granted (EP1385788A 1)
13	J. Ravichandran	Stable metal zirconium phosphates for colour applications	US 10/472457 & 20.03.2001	Granted (US6893494 B2)
14	J. Ravichandran	A method of manufacturing a stable metal zirconium phosphates for colour applications	1502/CHE/2003 & 20.03.2001	Granted (201531)
15	R. Balaji, Ajith Kulkarni & Raman Srinivas	Pan-peo gels with improved conductance and solvent retention	US 13/139,114 & 08.06.2010	Granted (US8871390 A1)
16	R. Balaji, Ajith Kulkarni & Raman Srinivas	Pan-peo gels with improved conductance and solvent retention	CN 201080068555 & 08.06.2010	Granted (CN10306963 5B)

#### 11) PSG Institute of Technology and Applied Research

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	Pricol Medical Systems Limited PSG College of Technology P. V. Mohanram, Manas Rajan Biswal, A. Sabareeswaran, Benedict Biju & B. Giriraj	Hand grip dynamometer	634/CHE/2012 & 21.02.2012	Under Examination

2	P .V. Mohanram, Manas Rajan Biswal, A. Sabareeswaran & P. Dhanchanamoorthy	Automatic infusion monitoring system	1072/CHE/2012 & 23.03.2012	Under Examination
3	PSG College of Technology P.V. Mohanram, A. Sabareeswaran, & Manas Rajan Biswal	Automated system for residual gas utilization and constant flow maintenance in LPG cylinder	2240/CHE/2012 & 05.06.2012	Request For Examination
4	PSG College of Technology P. V. Mohanram, Manas Rajan Biswal, A. Sabareeswaran, R. Sankaranand, & B. Giriraj	Automatic safety enhancement system	1112/CHE/2013 & 15.03.2013	Request For Examination
5	PSG College of Technology P.V. Mohanram, Manas Rajan Biswal, A. Sabareeswaran, & Mahendrakumar Nataraj	Nettle polymer hybrid composite	793/CHE/2014 & 19.02.2014	Request For Examination

### 12) P.S.V. College of Engineering and Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	P. Lawrence & B. Deepandraj	Ethanol prickly poppy biodiesel blend composition with diesel	4971/CHE/2012 & 29.11.2012	Request For Examination

### 13) Selvam College of Technology

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	Ponnusamy Selvaraj, Parivallal Radhakrishnan &	System for generation of electricity using movement of vehicles	1479/CHE/2012 & 25.05.2012	Under Examination



	Sriram Rajaram			
2	P. Selvaraj K. Balaji & M. Mathivanan	Automatic feeder system for hen feeding in poultry farm	505/CHE/2015 & 02.02.2015	Request For Examination
3	P. Selvaraj, R. Prabhu, R. SasiKumar & D. Gerald William	A mechanism for reutilization of brake power in vehicles	955/CHE/2015 & 27.02.2015	Request For Examination not filed

**Trademark Details:**

S. No	Name of the Applicant	Title	Application No. & Date of Filing	Status
1	V. Ponnusamy	Knowledgepreneurship	3047708 & 04.09.2015	Under Examination
2	V. Ponnusamy	Knowledgepreneurship	3047709 & 04.09.2015	Under Examination

**14) Sri Eshwar College of Engineering**

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	B. Venkat, A. Abdul Musavir, R. Hari Vishnu Gupta & N. Aravinth Balaji	Solar based autonomous farming system	2949/CHE/2015 & 12.05.2015	Request For Examination not filed
2	V. Vinu Raja & Thamarai Manalan	Genset monitoring system	2085/CHE/2015 & 23.04.2015	Request For Examination not filed
3	S. Muthukrishnan	Hinderance of homeland and flora from revolutionary fauna	2082/CHE/2015 & 23.04.2015	Request For Examination not filed
4	S. Muthukrishnan	Question paper leakage protection system	1637/CHE/2015 & 30.03.2015	Not Yet Published
5	S. David	Prepaid energy meter using gsm	2084/CHE/2015 & 23.04.2015	Request For Examination not filed

6	Thamarai Manalan	Intelligent fuel monitoring system with adulteration detector	2083/CHE/2015 & 12.06.2015	Request For Examination not filed
7	R. Sunder, R. G. Sree Ram & T. Vasnthakumar	Web based high voltage transformer monitoring	2948/CHE/2015 & 12.06.2015	Request For Examination not filed
8	G. Karuppusami & Gursami	Automatic water level controller	3998/CHE/2013 & 06.09.2013	Request For Examination
9	Gokilakrishnan Gopal, Suresh Kumar Ramalingam, & Rajesh Ramakrishnan	Safety Slippers	4569/CHE/2013 & 09.10.2013	Request For Examination
10	R. Rajesh G. Gokilakrishnan N. Javeeth Ahmed & P. Vishnuvarthan	Quick lifting hydraulic jack	4442/CHE/2014 & 11.09.2014	Not Yet Published
11	R. Suresh Kumar, G. Gokilakrishnan, M. Muthamizhan, R. Karthick Sharan, M. GopalaKumar, & P. Barath	Automatic adjustable headlamp in two wheelers	6443/CHE/2014 & 22.12.2014	Request For Examination not filed
12	K.P.Dhanabalakrishnan N. V. Kamalesh, S. Vignesh Kumar, B. Vijaysekar, S. Vignesh, & M. Thangaraj	Electromagnetic Press	2123/CHE/2015 & 27.04.2015	Request For Examination not filed
13	K.P.Dhanabalakrishnan R. Sureshkumar, J. Abuthakir, T. Tamilselvan, L. Deepan, R. Haripranesh, S. Muralikrishnan & V. Nallamuthu	Slotting attachment in milling machine	2124/CHE/2015 & 21.04.2015	Request For Examination not filed
14	Y. Suresh Babu, G. Gokilakrishnan, R. Sureshkumar, R. Rajesh, S. Guhan, S. Andrew Prasath, Arjun Sampath,	Universal single cylinder 4 stroke petrol engine test rig	2125/CHE/2015 & 27.04.2015	Request For Examination not filed

	& V. Gowtham			
15	S. Venkadesh, S. Guhan, N. Mohanprasath, N. Parthipan, G. Mahesh & K. Sampathkumar,	Enhancing efficiency in go kart vehicles	2126/CHE/2015 & 27.04.2015	Request For Examination not filed
16	S. Venkadesh, R. Rajesh, N. V. Kamalesh, G. Gokilakrishnan, N. Keerthilal, N. Parthipan, G. Mahesh & N. Mohanprasath	Multi machining centre	2127/CHE/2015 & 27.04.2015	Request For Examination not filed
17	K. P. Dhanabalakrishnan T. Ramakrishnan, N. Sathiseelan, Seejo Thomas, Shankar Rajendran, SaravanaKumar Babu, & Saravanan Arumugam	Automatic feeding mechanism for stamping	3733/CHE/2015 & 21.07.2015	Request For Examination not filed
18	Balasubramani Subramaniam, T. Ramakrishnan, K. Sathish S. Ganesh Kumar, M. Rajakumaran, P. Sakthivel, Shankar Dev, & S. Sheik Mohaideen	Motorized screw jack	3732/CHE/2015 & 21.07.2015	Request For Examination not filed
19	K. Sathish, S. Ganeshkumar, J. Abuthakir, S. Venkatesh, M. Dhanasekaran, T. Diwahar, V, Gowtham, & B. Harishkumar	Design and fabrication of adjustable stretcher	3731/CHE/2015 & 21.07.2015	Request For Examination not filed
20	S. Venkadesh, S. Ganeshkumar, R. Balaji,	Automatic postcard sealing machine	3735/CHE/2015 & 21.07.2015	Request For Examination not filed

	Y. Suresh Babu, Suman Gowda.S K. Sundaramoorthy, A. Suresh & S. Vinoth			
21	N. Sathiseelan, S. Baskaran, R. Balaji, S. Venkatesh, P. Palanivelraj, P. Sivaprakash, K. Santhoshkumar, & B. Praveenkumar	Pipe bending machine using pulleys	3738/CHE/2015 & 21.07.2015	Request For Examination not filed
22	S. Baskaran, R. Rajesh, G. Gokilakrishnan, S. Subaneshan, N. Sudhakaran, M. Vinodh Kumar & M. Raghul	Valve refacing attachment in surface grinding machine	3734/CHE/2015 & 21.07.2015	Request For Examination not filed
23	N. Sathiseelan, S. Venkatesh, V. Vigneswaran, M. Vishnu Prasad, H. Yashas Mane & K. Vellaichamy	Pneumatic controlled bearing remover	3737/CHE/2015 & 21.07.2015	Request For Examination not filed
24	T. Tamilselvan, R. Sureshkumar, S. Baskaran, D. H. Syed Shadhir Nikal, D. Karthick, B. Sivasakthivel & K. Sedhupathi	Suspension system based on rocker bogie mechanism	3736/CHE/2015 & 21.07.2015	Request For Examination not filed
25	L. Deepan & Rajesh	Air bags actuated by solenoid valve and compressed air cylinder	4633/CHE/2015 & 29.04.2015	Not Yet Published
26	S. Sheikameer Batcha	GSM backed taser for enhancing women's security	2175/CHE/2015 & 29.04.2015	Request For Examination not filed
27	T. Vjayakumar	Smart pet using embedded system	2172/CHE/2015 & 29.04.2015	Request For Examination not filed

28	T. Vjayakumar N. Subasini G.Madhu Preethi P. Mythili	Electronic eye on infant babies	2173/CHE/2015 & 29.04.2015	Request For Examination not filed
29	G.Devanatha Hari R.Manikanda Krishnan V.Mugesh, & T. Vjayakumar	Blind navigator	2174/CHE/2015 & 29.04.2015	Request For Examination not filed
30	B. Hemananth	Solar based sprayer for agriculture	2178/CHE/2015 & 29.04.2015	Request For Examination not filed
31	P. Anbarasu	Investigative technical approach on leg injury and movement advancement and assistance	2894/CHE/2014 & 13.06.2014	Request For Examination not filed
32	T. Vijayakumar K. Sakthikumar D. Sabarish & S. Syed Hassain	Green wsw for implementing efficient water management and fertigation system	2289/CHE/2014 & 08.05.2014	Request for Examination not filed
33	Sri Eshwar College of Engineering	Self organizing cloud with zones and reserved node for failure recovery	3366/CHE/2015 & 02.07.2015	Not Yet Published
34	R. Balachander	A proficient model for high end security in cloud computing	2943/CHE/2015 & 12.06.2015	Request for Examination not filed

### 15) Sri Ramakrishna Engineering College

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	P. Karuppuswamy, D. Nagarjun, R. Prasanth & K. Vignesh	Automobile theft deterrent system	4977/CHE/2015 & 18.09.2015	Not Yet Published
2	P. Karuppuswamy, S. R. Vignesh Kumer & R. R. Srinivasan	Uniform paint spraying using multi nozzle arrangement	4970/CHE/2015 & 18.09.2015	Not Yet Published
3	A. Murugarajan P. Vishnu Prasad &	Progressive conveyor	4984/CHE/2015 & 18.09.2015	Not Yet Published

	M. Sanjay Raja			
4	D.Chirenjeevi Narashimhann & N. Srimath	Tungsten carbide as tool insert material with low tool wear rate and high micro hardness for EN8 round bars	2483/CHE/2015 & 18.05.2015	Request for Examination not filed
5	K. Venkat Prasad, K. C. AswinKumar, M. Chandrasekaran & M. Dhivakar	Automobile windshield wiper system based on crank and slider mechanism	4971/CHE/2015 & 18.09.2015	Not Yet Published
6	J. Yoganandh, M.Ramasubramaniam K. Senthil Kumar & M. Karthick	Spherical ball turning tool post	4981/CHE/2015 & 18.09.2015	Not Yet Published
7	K. L. Senthilkumar, S. Prithivi Raj Kumar, R.S. Ramgobal & R. Poornachandran	Groundnut shelling machine	4983/CHE/2015 & 18.09.2015	Not Yet Published
8	T. R. Sathish Kumar, K. Kanivel, D. Kumar & S. R. Muthuvasan	Thermal Energy storage system using phase change material (PCM)	4980/CHE/2015 & 18.09.2015	Not Yet Published
9	R. Sudhakar, V. Karuppasamy, D. Moulieswaran, & S. Prasanavengatesan	Design and fabrication of rod forming equipment for building construction applications	4972/CHE/2015 & 18.09.2015	Not Yet Published
10	S. R. Durairaju, M. Duraibalaji, N. Jaya Prakesh & I. G. Jeevanandan	Agricultural weed remover	4978/CHE/2015 & 18.09.2015	Not Yet Published
11	M. S. Bala Santhosh, M. Kamalakannan, R. Karthikeyan & Masi.G	Semi automatic pattern ejecting and preheating of brick by solar heating system	4973/CHE/2015 & 18.09.2015	Not Yet Published
12	M. S. Bala Santhosh, B. Gobinath, R. Jaisingh & N. L. Sakti	Shuttlecock throwing machine	4976/CHE/2015 & 18.09.2015	Not Yet Published
13	M. P. Saravanan, S. P. D. Anand, Ashwin Mahender	Electrical power generation using human- knee	4979/CHE/2015 & 18.09.2015	Not Yet Published

	& P. R. S. S. Harshith Raj	articulation		
14	K. Arunkumar, K. S. Selvakumar, K. Sri Guna, & K. Subash	Bore well rescue robot	4974/CHE/2015 & 18.09.2015	Not Yet Published
15	J. Yokeshkumar, M. Prabha Haran, P. Rajupathi & S. Karthikeyan	Automatic head light alignment system in auto mobiles	4975/CHE/2015 & 18.09.2015	Not Yet Published
16	A. Murugarajan, Rajat Radhakrishnan, S. Venkatesa Prasath & K. Venkateshwaran	Regerative braking system in bycycle	3195/CHE/2014 & 30.06.2014	Request For Examination not filed
17	A. Murugarajan, P. Bharath, M. Hari Govindan, & N. Murali	Pneumatic tricycle for physically challenged people	3182/CHE/2014 & 30.06.2014	Request For Examination not filed
18	N. R. Karthik	Sheet roll forming machine	3192/CHE/2014 & 30.06.2014	Request For Examination not filed
19	N. R. Karthik, K.Arul Mozhi, A. B. Balahari & B. Karthik	Table tennis ball shooting machine	3193/CHE/2014 & 30.06.2014	Request For Examination not filed
20	N. R. Karthik, K. Hari Krishnan, S. Kalander Mohamed Sheriff, & T. Murugan	Water hyacinth plant removing machine	3189/CHE/2014 & 30.06.2014	Request For Examination not filed
21	S. Balasanthosh, N. Moknapravin, E. Saravanan, & B. Venkatramana	Semi automatic 4-wheel nut remover & tightner	3185/CHE/2014 & 30.06.2014	Request For Examination not filed
22	B. Brailson Mansingh, R. Vivekanandan R. Rajkumar & A. Palanisamy	Semi automatic cow dung cleaning machine	3196/CHE/2014 & 31.06.2014	Request For Examination
23	S. Ravi, S. Raheem, S. Rajesh, &	Semi automatic side stand lifter	3186/CHE/2014 & 31.06.2014	Request For Examination

	M. Vignesh			
24	S. Dinesh, M. Ragu, A. Shanmuganathan, & D. Yogeshwaran	Mechanically operated water discharging machine	3194/CHE/2014 & 31.06.2014	Request For Examination
25	N. Srimath, & N. Murugan	Cladding of 410 I stainless steel on carbon steel astm a105 valve seat rings by using plasma transferred arc cladding welding process	4523/CHE/2013 & 07.10.2013	Request For Examination
26	N. Srimath	Corrosion resistant valve seat ring	6064/CHE/2013 & 10.01.2013	Request For Examination
27	P. Karuppuswamy, Sanjay Bala & Balasubramanian	Automobile windshield wiper	2811/CHE/2013 & 27.07.2013	Examination not filed
28	Senthilkumar Duraishamy, Nagendran Arumugam & S. Ravi	Automatic side stand reliever system	2256/CHE/2013 & 19.07.2013	Application Does Not Exist
29	G. Dhanalakshmi, N. Sathish Kumar, & Eugine Tomson Palatty	IOT based home security and automation using raspberry-pi	4982/CHE/2015 & 18.09.2015	Not Yet Published

**Copyright Details:**

<b>S. No</b>	<b>Name of the Author's</b>	<b>Title</b>	<b>Application No. &amp; Date of Filing</b>	<b>Status</b>
1	P. Karuppuswamy, J. Selvkumar & N. Senthil Kannan	Manufacturing process laboratory manual	L-57054/2014 & 06.01.2014	Registered
2	G. Anbarasu & K. Karthikeyan	Heat transfer laboratory instruction manual	L-57047/2014 & 06.01.2014	Registered
3	R. Sathis Kumar & M. Mahendran	Thermal engineering system laboratory instruction manual	L-57053/2014 & 06.01.2014	Registered



4	P. Karuppuswamy, R. Sudhakar & Brailson Mansingh	Machatronics engineering laboratory manual	L-60718/2014 & 17.12.2014	Registered
5	Brailson Mansingh, R. Sudhakar & S. Suresh Kumar	Dynamics laboratory instruction manual	L-60718/2014 & 17.12.2014	Registered
6	K. Srinivasan & K. C. Shanmuga Priya	Electric circuits laboratory manual	L-7141/2015 & 17.12.2015	Applied
7	B. Sharmila & K. Pooventhan,	Virtual instrumentation laboratory manual	L-7135/2015 & 17.12.2015	Applied

**16) Velalar College of Engineering and Technology:**

**Copyright Details:**

<b>S. No</b>	<b>Name of the Author's</b>	<b>Title</b>	<b>Application No. &amp; Date of Filing</b>	<b>Status</b>
1	T. Vetrivel & E. Dinesh	Trade informer (Software)	L-58301/2014 & 02.05.2014	Applied

### III) MADURAI REGION

#### 1) K.L.N College of Engineering

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	P. Ganesh Kumar	Data sharing control device and system with multiple communication protocol interfaces	CN 201320331495 & 08.06.2013	Granted (CN203289478 U)
2	P. Ganesh Kumar	Data having plurality of communication protocol of the control method	CN 201310227493 & 08.06.2013	Granted (CN103338189)
3	S. Murugan	Broadband circularly polarised capacitive fed truncated square microstrip antenna for gps applications	3912/CHE/2013 & 02.09.2013	Request For Examination

#### 2) Thiagarajar College of Engineering

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	Thiagarajar College of Engineering & R. Vasudeven	A new mix process of waste plastics-aggregate-bitumen for flexible pavement	488/MAS/2002 & 27.06.2002	Granted (198254)
2	Thiagarajar College of Engineering & S. M. D. Mansoor Roomi	Automatic attendance system through image processing	1011/che/2008 & 24.04.2008	Withdrawn
3	Thiagarajar College of Engineering & K. Hariharan	A novel electronic system for measuring wet level on a runway in airports	446/che/2008 & 22.02.2008	Under Examination

4	Thiagarajar College of Engineering & M. Mahendran	Design of magnetic field induced spherical quantum dots for nanoscale electronic device applications	1007/che/2008 & 24.04.2008	Withdrawn
5	Thiagarajar College of Engineering & P. S. Kannan	Psk method for finding the actual contribution of each generator to each load and system losses	1010/che/2008 & 24.04.2008	Abandoned
6	Thiagarajar College of Engineering V. Abhai Kumar, S. Raju & A. Banumathi	Dental cysts detector	US12647116 & 24.12.2009	Granted (US9014440B2)
7	Thiagarajar College of Engineering V. Abhai Kumar, S. Raju & A. Banumathi	Dental caries detector	US12647119 & 24.12.2009	Published
8	Thiagarajar College of Engineering V. Abhai Kumar, S. Raju & B. Sathya Bama	Texture Identification	US12938193 & 02.11.2010	Granted (US9014440B2)
9	N. Subramanian	Visual control approach for detection of fuel level in gas cylinder incorporated with gsm technology	3577/che/2014 & 22.07.2014	Request For Examination
10	Thiagarajar College of Engineering & M. Kottaisamy	A new process for the conversion of waste plastics to petroleum fuels using chemically modified rice husk derived silica catalyst	4257/che/2014 & 01.09.2014	Request For Examination
11	Thiagarajar College of Engineering A. Valan Arasu, S. Madhanakrishnan & K. Gokul	Efficiency enhanced lpg stove	916/che/2015 & 26.02.2015	Examination not filed

12	N.Subramanian & B.Thiruchitrambalam	A remote controlled multi crop seed planting machine	3210/che/2015 & 26.06.2015	Request For Examination
13	Thiagarajar College of Engineering M. Elango & P. Gowtham	Seat ring clearance provided maintenance tool for gate valve and method of maintenance thereof	201641022395 & 30.06.2016	Not Yet Published

## IV) TRIUCHIRAPPALLI REGION

### 1) Oxford Engineering College

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	T.N. Prabakar & G. Lakshminarayanan	Design of global asynchronous controller	596/CHE/2013 & 12.02.2013	Request For Examination

### 2) MIET Engineering College

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	S. Renold Elsen M.S. Mathan B. Naveen C. Sivaramalingam & E. Yogaraj	Electricity free automatic water flow control shut-off system for house hold application	1139/CHE/2014 & 06.03.2014	Request For Examination
2	S. Renold Elsen S.Zubair Ahamed A.Mohammed Rilwan S.Mohammed Suhail S.Rasheed Ahamed & M.Nataraj	Linear hydro impulse energy to torque converter device	5215/CHE/2015 & 30.09.2015	Request For Examination
3	S. Renold Elsen A.Mohammed Rilwan & J. Ronald Aseer	Machine vision system for teaching orthogonal and isometric projections in technical drawings	5215/CHE/2015 & 30/09/2015	Not Yet Published

### 3) Saranathan College of Engineering

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	M. Arutchelvi S.Lenin Prakash, D. Kalyanraj & D. Kalyanakumar	Device and method to conduct electrical load test for electrical apparatus without consuming electrical energy	3626/CHE/2014 & 24/07/2014	Awaiting Examination

### 4) Indra Ganesan College of Engineering

<b>S. No</b>	<b>Inventor's Name</b>	<b>Title</b>	<b>Application No. &amp; Patent Filed Date</b>	<b>Status</b>
1	TTM. Kannan & P. Marimuthu	Non automatic tabletop portable mini lathe	5040/che/2013 & 08.11.2013	Examination not filed
2	S. Bharathi Raja	Bio-fabrication of artificial metacarpal human thumb bone for implantation	201641043776 & 22.12.2016	Examination not filed
3	S. Bharathi Raja & TTM. Kannan	Development of micro leaf jig for micro components	201641043779 & 22.12.2016	Examination not filed

## IV) TIRUNELVELI REGION

### 1) Annai Vailankanni College of Engineering

S. No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1	Annai Vailankanni College of Engineering Vincent Jain, N. Kumaran, S. Maniraj, D. U. Deepak, N. Rahul, J. Pearlson David & G. Gaswin Kastro	Solar powered tricycle	201641039222 & 17.11.2016	Examination not filed