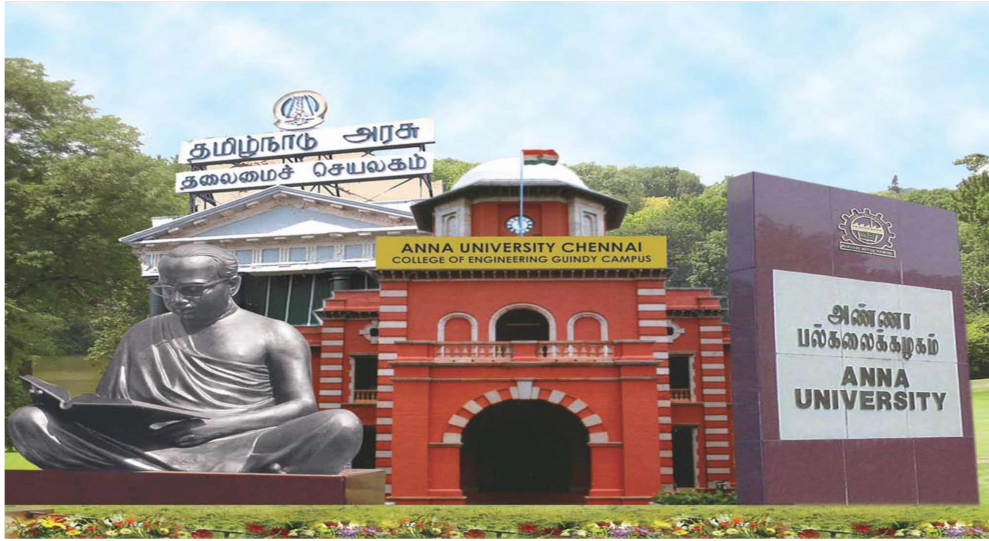




**Report on
Intellectual Property Rights (IPR's)
of
Anna University, Chennai
(upto December 2019)
&
Constituent Colleges of Anna University**



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Intellectual property (IP) refers to creations of the mind, such as inventions, literary, artistic works, designs, symbols, names and images. It is necessary to protect these creations in order to enable people to earn recognition or financial benefits. Intellectual property rights (IPRs) have become a central issue in economic development, scientific & technological development, economic co-operation between industrialized and developing countries. However, some people believe that only large companies will get benefits from IPRs. But the truth lies on the fact that commercially profitable ideas or any innovations also emerge from every one of us.

There is apprehension particularly in the educational institutions for registration of IPRs. Faculty members prefer to publish technical papers in scientific journal without knowing that the same can be applied for patent before publication in the scientific journals. In this connection, Centre for Intellectual Property Rights (CIPR), Anna University, Chennai has brought out a “Report on Intellectual Property Rights (IPRs)” for the fifth time to the public to create awareness. In this report, we had tried to colligate the list of IPR’s filed by the faculty members, research scholars and students belongs Anna University and its Constituent Colleges upto December 2019. This report will also provide a comprehensive list of patents filed and their current status. The report will give an insight of the innovations developed in the respective fields and allow the emerging innovators to understand the grey area in the current technology, thus encouraging them to develop their novel ideas.

Director, CIPR

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1. About Anna University

Anna University was established in 1978 as a unitary type of University. It offers higher education in Engineering, Technology and Allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained therefrom, it fosters cooperation between the academic and industrial communities.

2. About Centre for Intellectual Property Rights (CIPR)

The CIPR, Anna University was established in the year 2005 to create awareness and offer assistance to Academicians, Researchers, Entrepreneurs and Innovators to identify, protect and manage Intellectual Property Rights effectively. The CIPR involved jointly with Tamil Nadu Technology Development and Promotion Centre (TNTDPC) of Confederation of Indian Industries (CII) in conducting many certificates courses on Intellectual Property Rights (IPRs).

CIPR, Anna University, Chennai has been recognized as “Facilitator” for ‘Startups’ by the office of the Indian Patent office, Government of India, New Delhi and as Technology Innovation Support Center (TISC) by World Intellectual Property Office (WIPO) through the Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce & industry, Government of India. CIPR has signed Memorandum of Understanding (MoU) with National Research Development Corporation (NRDC) to establish NRDC-AU-Innovation Facilitation Centre (IFC).

Objectives of CIPR

- To promote awareness on IPRs among students, research scholars, research & development establishments, faculties of educational institutions, SMEs, large enterprises, Startups, etc.
- To organize short-term courses, seminars, workshops and conferences on IPRs and related activities.

- To protect Intellectual creations of students, research scholars, faculties, scientists, entrepreneurs, industries and others through a streamlined procedure to register their patents, trademark, copyrights and others IPRs in an effective manner.

Services of CIPR

i. Patents

CIPR carries out extensive Patent Search using free and paid database. We have expertise and experienced professionals to do patent searches, patent specification drafting, patent claims drafting, patent filings and other related works.

ii. Industrial Design

CIPR carries out search and filing services of Industrial design for shape, configuration, pattern, composition of lines, colours, etc. applied to any product(s).

iii. Trademarks

CIPR carries out trademark search and trademark application filing for logo, symbol, design, image, sound, colour, slogan, smell, word, phrase or combination of these elements.

iv. Copyrights

CIPR assists in copyrights filing related to the original work of literary (like poems, books, etc), artistic (like painting, sculptures, photographs, etc), dramatic, musical work, cinematographic films, sound recording, software programme, etc.

v. Conduct of IPR Awareness Programme and Certificate Courses

The CIPR regularly conducts several Awareness program and Certificate Courses to educate the importance of IPRs to students, research scholars, faculties and scientists of R&D institution, Universities, SMEs and large establishments.

Details of IPRs as on December 2019

(Department / Centre wise)

(1) Aerospace Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Registrar, Anna University, Chennai	Dr.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	Granted
2	Registrar, Anna University, Chennai	Dr.K. M. Parammasivam, G. Sivaraj, & S. Senthil Kumar	Optimization of vortex generator for "sedan" car model for reduction of aerodynamic drag	3778/CHE/2010 & 10/12/2010	Amended
3	Anna University, Chennai	Dr. K. Senthil Kumar, & A. Mohamed Rasheed	Rotary wing unmanned aircraft system, guidance and control method thereof	5535/CHE/2012 & 31/12/2012	Amended
4	Anna University, Chennai	Dr. K. Senthil Kumar, R. Krishna Kumar, & A. Mohamed Rasheed	Vertical takeoff & horizontal transition unmanned aircraft system guidance & control method thereof	6190/CHE/2013 & 31/12/2013	Awaiting Examination

5	Dr.S.Thanigalarasu, Dharmahiner Singh Chand, & R. Asad Ahmed	Dr. S. Thanigalarasu, Dharmahiner Singh Chand, & R. Asad Ahmed	Method and device for controlling sonic under -expanded jets	3765/CHE/2015 & 22/07/2015	Amended
6	Dr. C. Senthil Kumar, & M. Ramakrishna	Dr. C. Senthil Kumar, & M. Ramakrishna	Saw toothed leading edge delta wings	201641018606 & 31/05/2016	Amended
7	Dr. C. Senthil Kumar, & M. Ramakrishna	Dr. C. Senthil Kumar, & M. Ramakrishna	Sinusoidal toothed leading edge delta wings	201641018605 & 31/05/2016	Awaiting Examination
8	Dr. K. M. Parammasivam, & B. Navin Kumar	Dr. K. M. Parammasivam & B. Navin Kumar	Aerodynamic braking system for wind turbine using chordwise spacing	201641016085 & 09/05/2016	FER Issued
9	A. Saravana kumar	B. Madhankumar, K. Saravanakumar, & R. Souhith	Ground testing apparatus for solar sails	201841031722 & 24/08/2018	Awaiting Examination
10	S. Thanigaiarasu, & K. Rajaguru Nathan	S. Thanigaiarasu, & K. Rajaguru Nathan	Aerodynamically designed variable trailing edge serrations for vertical axis wind turbine blades	201841033139 & 04/09/2018	Awaiting Examination
11	S. Thanigaiarasu, & K. Rajaguru Nathan	S. Thanigaiarasu, & K. Rajaguru Nathan	Aerodynamically shaped feathered winglets for vertical axis wind turbine	201841033159 & 04/09/2018	FER Issued

12	S. Thanigaiarasu, & S. A. Dawn Pradeeb	S. Thanigaiarasu, & S. A. Dawn Pradeeb	Effect of nozzle rotation on mixing characteristics of subsonic jets	201841033156 & 04/09/2018	Awaiting Examination
13	S. Thanigaiarasu, & S. Venkataramanan	S. Thanigaiarasu & S. Venkataramanan	Vortex generators in Increasing the mixing characteristics of high speed jets	201841033145 & 04/09/2018	Awaiting Examination
14	Anna University, Chennai	A. Saravana Kumar, & A. Kaviyarasu	Software defined radio-based ground receiving station system for low earth orbit satellites communication	201941027752 & 11/07/2019	Awaiting Examination

(2) Applied Science and Technology

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	R. Ramakrishnan Noel Jacob Kaleekkal T. Sivakumar & D. Mohan	R. Ramakrishnan Noel Jacob Kaleekkal T. Sivakumar & D. Mohan	Mixed matrix polymeric membrane catalytic reactor for carbohydrate valorization and separation and method thereof	201841027725 & 24/07/2018	Awaiting Examination
2	Anna University, Chennai	S. Kalaiselvam, P. Karuppasamy, & S. Sivanesan	Laser flash thermal diffusivity analyser for the measurement of thermal properties of solid material	201941010365 & 18/03/2019	Awaiting Examination

(3) Bio-Technology

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Dr. K. Sankaran, A. Alagumarutha nayagam, & A. R. Pavankumar	Dr. K. Sankaran, A. Alagumaruthanayagam & A. R. Pavankumar	A method to detect the microbial resistance using fluorescence	239/CHE/2009 & 04/02/2009	In order for grant u/s 43, awaiting NBA Approval
2	Registrar, Anna University, Chennai	T. Elavaransan, A. Alagumaruthanayagam & Dr. K. Sankaran	A method to detect bacterial growth and antibacterial resistance based on fluorescence quenching	1891/CHE/2010 & 02/07/2010	Granted
3	Registrar, Anna University, Chennai	Dr. K. Sankaran, & Shruthi Hamsanathan	A process to enhance the sensitivity of human interferon γ detection in elisa using bacterial lipid modification	2569/CHE/2010 & 03/09/2010	Granted
4	Registrar, Anna University, Chennai,	Dr. P. Kaliraj, Dr. J. Madhumathi, & Dr. Prince R. Prabhu	Chimeric peptide vaccines for filariasis	1366/CHE/2011 & 20/04/2011	Granted
5	Registrar, Anna University, Chennai,	Dr. P. Kaliraj, Dr. J. Madhumathi, Dr. G. Anugraha, & Dr. Prince R. Prabhu	Immunogenic composition for lymphatic filarial vaccine	1367/CHE/2011 & 20/04/2011	Granted
6	Registrar, Anna University, Chennai	Dr. P. Kaliraj, Dr. K. Sankaran, Dr. Sharmila Sam, & Dr. I. Christiana	A bacterial lipid modification of a filarial protein to enhance the immune- prophylactic efficacy in animal & humans	2035/CHE/2011 & 15/06/2011	Granted
7	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	C. Ramachandran R. Sudha Rani & Dr. Usha Antony	A new method to ensure shelf life enhancement and bio- fortification of idli batter	354/CHE/2014 & 28/01/2014	Amended

8	C. Ramachandran, R. Sudha Rani, S. R. Nivaz, Prince R. Pravhu, & Dr. Usha Antony	C. Ramachandran, R. Sudha Rani, S. R. Nivaz, Prince R. Pravhu, & Dr. Usha Antony	A new method of encapsulation using leguminous protein for food and pharmaceutical applications	6135/CHE/2014 & 05/12/2014	Awaiting Examination
9	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	A new method to incorporate lactobacillus reuteri in millet 8ermentation as a probiotic for enrichment with vitamin b12	3785/CHE/2014 & 01/08/2014	Amended
10	R. Sudha Rani, C. Ramachandran, S.Senthil Kumaran, & Dr. Usha Antony	R. Sudha Rani, C. Ramachandran, S.Senthil Kumaran, & Dr. Usha Antony	A new method to extend the shelf life of yogurt	1134/CHE/2015 & 09/03/2015	FER Issued
11	Dr. K. Sankaran, & T. Elavarasan	Dr. K. Sankaran, & T. Elavarasan	Simple rapid method for estimation of milk protein	1496/CHE/2015 & 24/03/2015	FER Issued
12	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	Semi-cooked and dried ready-to-cook porridge from processed finger millet (eleusine coracana)	201641040735 & 29/11/2016	Awaiting Examination
13	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	Ready-to-cook, bio-fortified, fermented batter with extended shelf-life and heat- stable probiotics	201641040736 & 29/11/2016	Awaiting Examination
14	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	C. Ramachandran, R. Sudha Rani, & Dr. Usha Antony	Incorporation of heat stable probiotics and bioactive compounds into semi-dried ready-to-cook food	201641040751 & 29/11/2016	Awaiting Examination

15	Sakthi Sugars Ltd, Chennai, & Centre for Biotechnology, Anna University, Chennai,	Arun Balakrishnan, Periyasamy Giridharan, Ram Asrey Vishwakarma, & Panangadan Shanker Narayan Nallankandy	A substituted flurochromenone derivative exhibiting anti-cancer and anti- proliferative properties	PCT/IN2001/ 000156 & 11/09/2001	Application Published
16	J. K. Pallavi	J. K. Pallavi, R. Sangeetha, & Dr. Usha Antony	Dia-dahi: a prebiotic formulation of milk/curd/yoghurt/buttermilk that can regulate blood glucose	201741032819 & 16/09/2017	Application Published
17	S. Ramalingam,	G. Padmapriya, Y. Anitha Janet Roshni, T. Akila, J. Tamilselvan, Pandiraj Suppuram	Production of 2-oxobutanoate using alternative isoleucine biosynthetic pathway	201941000814 & 08/01/2019	Awaiting Examination

(4) Chemistry

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Mark Crocker, Rodney Andrews, A. Pandurangan & Dali Qian,	Mark Crocker, Rodney Andrews, A. Pandurangan, & Dali Qian	Method for production of germanium nanowires encapsulated within multi- walled carbon nanotubes	US12942396 & 09/11/2009	Granted
2	Dr. A. Pandurangan & S. Chandrakishore	Dr. A. Pandurangan & S. Chandrakishore	Novel catalyst-free self seeded method for the production of C-Si-GE and nanotubes by CVD	5605/CHE/2014 & 07/11/2014	Amended

3	Research & Development Division, Chennai Petroleum Corporation Limited	Perumal Tamizhdurai, Subramanian Sivasanker, Melcureraj Lavanya, Arunachalam Meenakshsundaram, Raman Krishnamurthy, & Kannan Shanthi	A catalyst composite using mesoporous material supported ionic liquids for isomerization of alkanes and process related thereto	201841003040 & 25/01/2018	FER Issued
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(5) Chemical Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Dr. M. Alagar, & S. Devaraju	Dr. M. Alagar, & S. Devaraju	One pot synthesis of novel skeletal modified diamine used as a curative and impact modifier for epoxy resins	3637/CHE/2014 & 25/07/2014	Granted
2	Dr. K.V. Radha, & P. Thyriyalakshmi	Dr. K.V. Radha, & P. Thyriyalakshmi	Synthesis of FMPC and preparation of chitosan – FMPC particles	5144/CHE/2014 & 14/10/2014	Amended
3	Dr. K.V. Radha, & V. Thamilselvi	Dr. K.V. Radha, & V. Thamilselvi	Biosynthesis of silver nanoparticles loaded corncob for effluent treatment	201641009242 & 17/3/2016	Granted
4	Noel Jacob Kaleekkal, & D. Mohan	Noel Jacob Kaleekkal, & D. Mohan	Method of preparing fouling resistant polyetherimide mixed matrix membranes	201741031660 & 07/09/2017	Awaiting Examination

(6) Civil Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	B. Dhayalini, & R. Senthil	B. Dhayalini, & R. Senthil	A biodegradable acoustic panel from small millets husk	201741004535 & 08.02.2017	Amended

(7) Computer Technology

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Anna University, Chennai	Dr. S. Thamarai Selvi, R. Kumar, P. Balakrishnan, K. Rajender, J. S. Swarnapandian, G. Kannan, R. Rajiv, E. Mahendran, & C. A. Prasath	A system and a method to assess the trustworthiness of a resource provider	593/CHE/2007 & 23/03/2007	Granted

2	Anna University, Chennai	Dr. S. Thamarai Selvi, R. Kumar, P. Balakrishnan, K. Rajendar, G. Kannan, & R. Rajiv	A system and a method thereof for scheduling and supporting virtual resource management in a grid network	3027/CHE/2010 & 13/10/2010	Granted
3	Anna University, Chennai	Dr. S. Thamarai Selvi, K. Senthil Kumar, G. Kannan, & A. Mohamed Rashee	Cloud based control, guidance and management of unmanned aircraft systems	5536/CHE/2012 & 31/12/2012	Amended
4	Mirnos Berthad, Malaysia, & Madras Institute of Technology, Anna University, Chennai	Dr. S. Thamarai Selvi, Mohd Amril Nurman, Mohd Sidek, Mohammad- Fairus, & K. Rajendar	A method and system of extending computing grid resources	PCT/MY2012 /000152 & 28/02/2012	Application Published
5	K. Senthil Kumar, & S. Thamarai Selvi	K. Senthil Kumar, S. Thamarai Selvi, A. Mohamed Rasheed, & C.U. Hari	Ground object position annotation using standalone on-board embedded system	201841042082 & 08/11/2018	Awaiting Examination
6	K. Senthil Kumar, & S. Thamarai Selvi	K. Senthil Kumar, S. Thamarai Selvi, A. Mohamed Rasheed, & C.U. Hari	Tethered aerial platform	201841042078 & 08/11/2018	Awaiting Examination

7	K. Senthil Kumar, S. Thamarai Selvi, & A. Mohamed Rasheed	K. Senthil Kumar, S. Thamarai Selvi, A. Mohamed Rasheed, C.U. Hari, S. Abdul Jawad, S. Arul, R. Vasantharaj, V. Mathavan, & M. Murthuselvam	An arming and guidance switch for an unmanned aerial vehicle and a method of operating thereof	201841032030 & 29/01/2018	Awaiting Examination
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(8) Computer Science and Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	S. Chitrakala	S. Chitrakala	Automatic scene understanding assistive system with refreshable tactile device including voice for visually impaired people	201841031721 & 24/08/2018	Awaiting Examination

(9) Crystal Growth

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Registrar, Anna University, Chennai	Dr. J. Kumar, Dr. K. Sankaran, M. Jaya Prakasan, & T. Dhinesh Kumar	A process to characterize biochemical reactions using sensor instrumentation based on capacitance and conductance change	3064/CHE/2010 & 18/10/2010	Granted
2	K. Thanigal Arul, S. Narayana Kalkura, J. Ramana Ramya, & E. Manikandan	K. Thanigal Arul, S. Narayana Kalkura, J. Ramana Ramya, & E. Manikandan	Bionanocomposite coating and its method thereof	201741031668 & 07/09/2017	Awaiting Examination
3	Dr. J. Kumar, & C. Bagavath	Dr. J. Kumar, & C. Bagavath	Disposable nitric oxide sensor construction using gallium nitride nanowires and its method thereof	201741043550 & 05/12/2017	Amended
4	Shubra Singh, Suchita, & Vavilapalli Durga Sankar	Shubra Singh, Suchita, & Vavilapalli Durga Sankar	Method for developing Ca ₂ Fe ₂ O ₅ Nanoparticles for Enhanced Photocatalysis under direct Sunlight	201841028665 & 31/07/2018	Amended
5	Shubra Singh, & Vavilapalli Durga Sankar	Shubra Singh, & Vavilapalli Durga Sankar	Method for synthesis of sillenite Bi ₁₂ FeO ₂₀ single crystals	201841028670 & 31/07/2018	Awaiting Examination
6	D. Arivuoli & Preethi Ramadoss	D. Arivuoli & Preethi Ramadoss	Biodegradable sanitary napkin for personal and environmental hygiene and method thereof	201841044636 & 27/11/2018	Awaiting Examination

(10) Environmental Studies

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Anna University, Chennai	Dr.N.Vasudevan	A process for the biological treatment of an industrial effluent	1675/CHE/2006 & 13/09/2006	Granted
2	Dr. N. Vasudevan, & R. Kanimozhi	Dr.N.Vasudevan, & R. Kanimozhi	A process for the treatment of distillery waste water using aerobic sequencing batch reactor	587/CHE/2009 & 16/03/2009	Granted
3	Dr. N. Vasudevan, & R. Kanimozhi	Dr.N.Vasudevan, & R. Kanimozhi	A synthetic carrier for biofilm attachment for wastewater treatment	711/CHE/2009 & 30/03/2009	Granted
4	Dr. N. Vasudevan, & Veenagayathri	Dr. N. Vasudevan, & Veenagayathri	A method for biodegradation of chlorophenols by a halotolerant bacterial consortium under saline conditions	1164/CHE/2010 & 27/04/2010	Granted
5	Dr. N. Vasudevan, & V. R. Manoj	Dr. N. Vasudevan, & V. R. Manoj	A method for the treatment and recirculation of aquaculture wastewater	1645/CHE/2010 & 14/06/2010	Granted
6	Dr. S. Kanmani, & V. Preethi	Dr. S. Kanmani, & V. Preethi	Gas-phase recovery of hydrogen from hydrogen sulphide using photocatalysis	870/CHE/2015 & 24/02/2015	Granted
7	Dr. N. Vasudevan & G. Sunantha	Dr. N. Vasudevan & G. Sunantha	Method for detecting PFOA and PFOS in water samples using Genetically Engineering Bacterial Biosensor	201841015253 & 23/04/2018	Awaiting Examination
8	Anna University, Chennai	N. Vasudevan & A. Jayshree	A method to manufacture copper nanoparticles by aqua-chemical reduction of copper based salts	201941013817 & 05/04/2019	Awaiting Examination
9	Anna University, Chennai	N. Vasudevan & A. Jayshree	A method for detection of phthalate esters in drinking water and beverages	201941042605 & 21/10/2019	Awaiting Examination

(11) Electronics & Communication Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Registrar, Anna University, Chennai	Dr. K. Malathi, M.Gulam Nabi Alsath, & A. K. Shrivastav	Dual band notched dielectric resonator reflect array for c/x band	1374/CHE/2012 & 04/04/2012	Amended
2	Dr. K. Malathi, Aswathy K Sarma, A. Henridass, C. Raviteja, V. Sangeetha, & M. Gulam Nabi Alsath	Dr. K. Malathi, Aswathy K Sarma, A. Henridass, C. Raviteja, V. Sangeetha, & M. Gulam Nabi Alsath	Mutual coupling reduction in MIMO antenna with serpentine type structure resonator	2660/CHE/2014 & 30/05/2014	Amended
3	Dr. K. Malathi, & M. Gulam Nabi Alsath	Dr. K. Malathi, & M. Gulam Nabi Alsath	Shared aperture multi-service design for automotive communications	6413/CHE/2014 & 19/12/2014	Amended
4	Dr. K. Malathi, K .P. Jayaram, & M. Gulam Nabi Alsath	Dr. K. Malathi, K .P. Jayaram, & M. Gulam Nabi Alsath	A UHF RFID reader antenna integrated with near field and far field operations	5336/CHE/2015 & 06/10/2015	Granted
5	Dr. K. Malathi, M. Gulam Nabi Alsath, & Livya Lawrance	Dr. K. Malathi, M. Gulam Nabi Alsath, & Livya Lawrance	A device and method for fabrication of ultra-wide band micro strip grid array antenna (GAA)	5337/CHE/2015 & 06/10/2015	Amended
6	Dr. K. Malathi, R. Vimal Samsingh, & S. Esther Florence	Dr. K. Malathi, R. Vimal Samsingh, & S. Esther Florence	Method and apparatus for non-destructive testing of composites using planar sensor	5338/CHE/2015 & 06/10/2015	Amended

7	Dr. K. Malathi, S. Esther Florence, & R. Vimal Samsingh	Dr. K. Malathi, S. Esther Florence, & R. Vimal Samsingh	A method to fully integrate multi-layer woven electro-textile patch antenna	5620/CHE/2015 & 19/10/2015	Amended
8	Dr. K. Malathi, S. Ramparabhu, & M. Balaji	Dr. K. Malathi, S. Ramparabhu, & M. Balaji	A method and device for a passive reconfigurable frequency selective surface	5621/CHE/2015 & 19/10/2015	Amended
9	Dr. K. Malathi, & S. Ramprabhu	Dr. K. Malathi, & S. Ramprabhu	Polarization independent reconfigurable 3D frequency selective surface and method thereof	201641032341 & 22/09/2016	Amended
10	Dr. K. Malathi, & K. P. Jayaram	Dr. Malathi, & K. P. Jayaram	A multiservice chipless RFID transponder	201641032342 & 22/09/2016	Awaiting Examination
11	Dr. Malathi, R. Vimal Samsingh, S. Sangeetha, P. Yogeshwari, & Saffrine Kingsly	Dr. Malathi, R. Vimal Samsingh, S. Sangeetha, P. Yogeshwari, & Saffrine Kingsly	Electromagnetic nondestructive material characterization of dielectrics deploying planar EBG based transmission line sensor	201641032343 & 22/09/2016	Awaiting Examination
12	Dr. K. Malathi, & K. P. Jayaram	Dr. Malathi, & K. P. Jayaram	A magnetic coupling UHF near field RFID reader antenna deploying CSRR elements	201641032344 & 22/09/2016	Amended
13	Dr. K. Malathi, V. Sangeetha, Saffrine Kingsly, & P. Yogeshwari	Dr. Malathi, V. Sangeetha, Saffrine Kingsly, & P. Yogeshwari	Planar quad-band rat-race coupler with spurious pass-band suppression	201641032345 & 22/09/2016	FER Issued
14	Dr. K. Malathi, Yogeshwari Panneer Selvam, P. Sandeep Kumar, Saffrine Kingsly, & Sangeetha Subbaraj	Dr. K. Malathi, Yogeshwari Panneer Selvam, P. Sandeep Kumar, Saffrine Kingsly, & Sangeetha Subbaraj	Dual mode polarization diverse antenna array	201641024647 & 19/07/2016	Awaiting Examination

15	Dr. K. Malathi, & N. Rajesh	Dr. K. Malathi, & N. Rajesh	Integrated VIVALDI antenna with switchable radiation pattern	201741008376 & 10/03/2017	Awaiting Examination
16	Dr. K. Malathi, P. Sandeep Kumar, E. Lavanya, P. Yogeshwari, S. Sangeetha, & Saffrine Kingsly	Dr. K. Malathi, P. Sandeep Kumar, E. Lavanya, P. Yogeshwari, S. Sangeetha, & Saffrine Kingsly	Rhombic compound reconfigurable antenna	201741008383 & 10/03/2017	Awaiting Examination
17	Malathi Kanagasabi, Lavanya Elumalai, Yogeshwari Panneer Selvam, M. Gulam Nabi Alsath, Sandeep Kumar Palaniswamy, Saffrine Kingsly, Sangeetha Subbaraj & Yeragudipati Venkata Ramana Rao	Malathi Kanagasabai, Lavanya Elumalai, Yogeshwari Panneer Selvam, M. Gulam Nabi Alsath, Sandeep Kumar Palaniswamy, Saffrine Kingsly, Sangeetha Subbaraj & Yeragudipati Venkata Ramana Rao	Compound reconfigurable antenna array	201741028261 & 09/08/2017	Awaiting Examination
18	Malathi Kanagasabai, Vimal Samsingh.R, & Esther Florence. S	Malathi Kanagasabai, Vimal Samsingh.R, & Esther Florence. S	Planar microwave sensor for fracture detection in human bones	201741029503 & 21/08/2017	Awaiting Examination

19	M. Gulam Nabi Alsath, Saffrine Kingsly, Malathi Kanagasabai, B. Sridhar, P. Sandeep Kumar, V. Sangeetha, K. Indhumathi, N. Rajesh, S. Ramprabhu, Jayaram Kizhekke Pakkathillam, Sangeeth Subbaraj, Yogeshwari Panneer Selvam & Yeragudipati Venkata Ramana Rao	M. Gulam Nabi Alsath, Saffrine Kingsly, Malathi Kanagasabai, B. Sridhar, P. Sandeep Kumar, V. Sangeetha, K. Indhumathi, N. Rajesh, S. Ramprabhu, Jayaram Kizhekke Pakkathillam, Sangeeth Subbaraj, Yogeshwari Panneer Selvam & Yeragudipati Venkata Ramana Rao	A method to achieve compound reconfiguration in microstrip filters and the device thereof	201741029509 & 21/08/2017	Awaiting Examination
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20	M. Gulam Nabi Alsath, Sangeetha Subbaraj, Malathi Kanagasabal, K. Indhumathi, V. Sangeetha, B.Sridhar, P. Sandeep Kumar, S. Ramprabhu, N.Rajesh, Jayaram Kizhekke Pakkathillam, Saffrine Kingsly, Yogeshwari Panneer Selvam, & Yeragudipati Venkata Ramana Rao	M. Gulam Nabi Alsath, Sangeetha Subbaraj, Malathi Kanagasabal, K. Indhumathi, V. Sangeetha, B.Sridhar, P. Sandeep Kumar, S. Ramprabhu, N.Rajesh, Jayaram Kizhekke Pakkathillam, Saffrine Kingsly, Yogeshwari Panneer Selvam, & Yeragudipati Venkata Ramana Rao	A design to achieve multi-band operation in miniaturized antennas and device thereof	201741029510 & 21/08/2017	Awaiting Examination
21	Sangeetha Subbaraj, Malathi Kanagasabai, S. Padmathilagam, M. Gulam Nabi Alsath, Saffrine Kingsly, Yogeshwari Panneer Selvam, T. Deepa, S. Ramprabhu, N. Rajesh, B. Sridhar, & K. Indhumathi	Sangeetha Subbaraj, Malathi Kanagasabai, S. Padmathilagam, M. Gulam Nabi Alsath, Saffrine Kingsly, Yogeshwari Panneer Selvam, T. Deepa, S. Ramprabhu, N. Rajesh, B. Sridhar, & K. Indhumathi	Multiband mimo antenna for tablet applications	201841001232 & 11/01/2018	Awaiting Examination

22	Dr. K. Malathi, Thipparaju Ram Rao, Sandeep Kumar Palaniswamy, Saffirine Kingsly, Mohammed Gulam Nabi Alsath, Deepa Thangarasu, Padmathilagam Sambandam, Sangeetha Subbaraj & Yogeshwari Panneer Selvam	Dr. K. Malathi, Thipparaju Ram Rao, Sandeep Kumar Palaniswamy, Saffirine Kingsly, Mohammed Gulam Nabi Alsath, Deepa Thangarasu, Padmathilagam Sambandam, Sangeetha Subbaraj & Yogeshwari Panneer Selvam	Multiband reconfigurable microwave filtenna	US15/904,323 & 24/02/2018	Granted
23	Malathi Kanagasabai, Saffrine Kingsly, P. Sandeep Kumar, M. Gulam Nabi Alsath, T.Deepa, Sangeetha Subbaraj, Yogeshwari Panneer Selvam, S. Ramprabhu, & S.Padmathilagam	Malathi Kanagasabai, Saffrine Kingsly, P. Sandeep Kumar, M. Gulam Nabi Alsath, T.Deepa, Sangeetha Subbaraj, Yogeshwari Panneer Selvam, S. Ramprabhu, & S.Padmathilagam	Tunable band notched Filtenna	201841021702 & 11/06/2018	Awaiting Examination

24	Endhi Ram Innovaions LLP	Malathi Kanagasabai, Sandeep Kumar Palaniswamy, Sangeetha Subbaraj, Mohammed Gulam Nabi Alsath, Rama RaoThipparaju, Padmathilagam Samban dam, Saffrine Kingsly, Yogeshwari Panneer Selvam, & Deepa Thangarasu	Multiband folded antenna for tablet computers	201841039028 & 15/10/2018	Amended
25	Anna University, Chennai	Dr.S. Poonguzhali, & Ms. Neela Harish	A hand gesture recognition system for speed impaired people and a method thereof	201941040877 & 10/10/2019	Awaiting Examination

(12) Electronics Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Tata Consultancy Services, & Anna University, Chennai	Sethna,Behram Dr. John Mala, Palaniappan Prasath, & Ganapathi Sumitira	A system and method for classification of moving object during video surveillance	2162/MUM/2010 & 29/07/2010	Granted
2	Tata Consultancy Services & Anna University, Chennai	Behram Sethna, Dr. Mala John, Prasath Palaniappan, & Sumitira Ganapathi	System and method for classification of moving object during video surveillance	JP2012033152 & 20/06/2011	Granted

3	Tata Consultancy Services & Anna University, Chennai	Behram Sethna, Dr. Mala John, Prasath Palaniappan, & Sumitira Ganapathi	A system and method for classification of moving object during video surveillance	EP11169344A & 09/06/2011	Granted
4	Tata Consultancy Services & Anna University, Chennai	Dr. Mala John, Prasath Palaniappan, & Sumitira Ganapathi	A system and method for classification of moving object during video surveillance	CN102346855 & 21/06/2012	Granted
5	Tata Consultancy Services, & Anna University, Chennai	Behram Sethna, Dr. Mala John, Prasath Palaniappan, & Sumitira Ganapathi	System and method for classification of moving object during video surveillance	US 13/194,706 & 29/07/2015	Granted

(13) Electrical & Electronics Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Registrar, Anna University, Chennai	Dr. B. Umamaheswari, & J. Kavitha	Homopolar axial flux hub stepper motor	5589/CHE/2013 & 04/12/2013	Amended

(14) Information Science and Technology

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	R. Muthuraj	R. Muthuraj	Crime evidence provider cum help seeker	1733/CHE/2013 & 19/04/2013	Amended

(15) Instrumentation Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	K. Kamalanand, & A. Paramasivam	A. Paramasivam, K. Kamalanand, C. Emmanuel & P. Mannar Jawahar	An apparatus for generation of gastric electric waveforms in normal and abnormal conditions	201841033641 & 07/09/2018	Awaiting Examination
2	Anna University, Chennai	T. Thyagarajan, Sabitha Ramakrishnan, & G. Anand	Automated external defibrillator system with intelligent ecg detection and automatic vernacular language assistance	201941011910 & 27/03/2019	Awaiting Examination

(16) Mechanical Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Indian Institute of Technology Madras, Chennai	Dr. R. Saravanan	A bubble pumps absorption cooler	1009/MAS/1998 & 12/05/1998	Granted
2	Dr. N. V. Mahalakshmi, & R. Karthikeyan	Dr. N. V. Mahalakshmi, & R. Karthikeyan	Turpentine blend composition with diesel oil	1951/CHE/2005 & 29/12/2005	Granted
3	The Director General, Defence Research & Development Organization (DRDO), New Delhi	Annappan Vinayagam, Pallikonada Lakshmanan Sathyanarayanan, & Dr.N.V Mahalakshmi	Flow straightener-throttle for fan testing rig	3376/DEL/2005 & 15/12/2005	Granted
4	Dr. N.V. Mahalakshmi, & Dr.P.K. Devan	Dr. N.V. Mahalakshmi, & Dr. P.K. Devan	New poon oil composition-diesel blend as alternative fuel for diesel engine	2279/CHE/2007 & 10/10/2007	Granted
5	Dr. D. Sangeetha, & Swaminathan Elamathi	Dr. D. Sangeetha, & Swaminathan Elamathi	A process for preparation of sulphonated polymer membrane	2734/CHE/2008 & 07/11/2008	Granted
6	Anna University, Chennai & University of Hyderabad	Dr. A.K. Padmanabhan, Ghanashyam Krishna Mamidipudi, Sri rama Narasimha, & Kiran Mangalampalli	Non-stoichiometric titanium nitride films	PCT/IN2008/000789 & 27/11/2008	Application Published

7	Dr. D. Sangeetha, Santhanam Senthil Kumar, Srinivasan Guhan, & Lakshmanan Babu	Dr. D. Sangeetha, Santhanam Senthil Kumar, Srinivasan Guhan, & Lakshmanan Babu	Design and development of a proton exchange membrane fuel cell stack	1544/CHE/2010 & 03/03/2010	Amended
8	Registrar, Anna University, Chennai	Dr. D. Sangeetha, & A. Sivasankaran	A method of performance of a cation exchange membrane in a microbial fuel cell to generate electricity	321/CHE/2011 & 11/02/2011	Amended
9	Registrar, Anna University, Chennai	Dr. D. Sangeetha, & R. Vinodh	A novel anion exchange membrane for fuel cell application	580/CHE/2011 & 28/02/2011	Amended
10	Dr. S. Madhavan, Dr. S. Balasivandha Prabu, & Dr. K. A. Padmanabhan	Dr. S. Madhavan, Dr. S. Balasivandha Prabu, & Dr. K.A. Padmanabhan	A sintered in-situ Titanium diboride ceramic cutting tool and method of making the same	2503/CHE/2012 & 18/06/2012	Amended
11	Registrar, Anna University, Chennai	Dr. S. Madhavan, Dr. S. Balasivandha Prabu, Dr. K.A. Padmanabhan & Dr. L. Karunamoorthy	A resinod bonded in situ TIB2 based ceramic grinding wheel and method of making the same	3494/CHE/2013 & 02/08/2013	Amended
12	University of Hyderabad, & Anna University, Chennai	Dr. S. Madhavan, Dr. S. Balasivandha Prabu, & Dr. K.A. Padmanabhan	Sintered in-situ titanium carbide ceramic cutting tool and method of making the same	2506/CHE/2014 & 20/05/2014	FER Issued
13	Dr. D. Sangeetha, & Ayyaru Sivasankaran	Dr. D. Sangeetha, & Ayyaru Sivasankaran	Sulphonated polyether –ether-ketone/ sulphonated tio2 composite as proton exchange membrane for microbial fuel cell	3031/CHE/2014 & 23/06/2014	Granted
14	K. Vigneshwaran, & A. Sureshkumar	K. Vigneshwaran, & A. Sureshkumar	Footboard accident prevention system	201641024483 & 18/07/2016	Amended

(17) Manufacturing Engineering

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Anna University, Chennai & Department of Atomic Energy, Mumbai	Dr. M. Kanthababu, Dr. S. HosiminThilagar, V. Vidyaa, Dr. S. Gowri, Dr. R. Balasubramaniam, Prabhat Ranjan, & Debanik Roy	Mechanical grippers for handling plurality of micro components	201641005129 & 15/02/2016	Amended
2	Dr. M. Kanthababu, Dr. S. Gowri, & M. Venkateshwaran	Dr. M. Kanthababu, Dr. S. Gowri, & M. Venkateshwaran	Focusing nozzle condition monitoring system of abrasive water jet machine comprising accelerometer	201641018235 & 27/5/2016	Amended
3	Dr. M. Kanthababu, Dr. S. Gowri, & M. Venkateshwaran	Dr. M. Kanthababu, Dr. S. Gowri, & M. Venkateshwaran	Focusing nozzle condition monitoring unit of abrasive water jet machine comprising sound sensor	201641018236 & 27/5/2016	Amended
4	Dr. M. Kanthababu, V. Mohan Kumar, V. Sailesh, & G. Anuradha	Dr. M. Kanthababu, V. Mohan Kumar, V. Sailesh, & G. Anuradha	Smart seat belt system	201641020717 & 17.06.2016	Amended
5	Dr. M. Kanthababu, & R. Giri	Dr. M. Kanthababu, & R. Giri	A method for operating optimal assembly sequence in an indexing table using genetic algorithm	201741012118 & 04/04/2017	Awaiting Examination

6	Dr. M. Kanthababu, Dr. S. Gowri, R. Prabhakaran, K. R. Sunilkumar, & M.S. Ajmal Deen Ali	Dr. M. Kanthababu, Dr. S. Gowri, R. Prabhakaran, K. R. Sunilkumar, & M.S. Ajmal Deen Ali	Condition monitoring system for focusing nozzle wear in abrasive waterjet machine comprising acoustic memission sensor	201741016668 & 12/05/2017	Amended
7	Dr. M. Kanthababu, Dr. S. Gowri, R. Prabhakaran, K. R. Sunilkumar, & M.S. Ajmal Deen Ali	Dr. M. Kanthababu, Dr. S. Gowri, R. Prabhakaran, K. R. Sunilkumar, & M.S. Ajmal Deen Ali	Condition monitoring system for focusing nozzle wear in abrasive waterjet machine comprising cutting force dynamometer	201741016669 & 12/05/2017	Amended
8	Dr. M. Kanthababu, & V. Vidyaa	Dr. M. Kanthababu, & V. Vidyaa	Fatigue testing machine for mechanical microgrippers	201741046617 & 26/12/2017	Amended
9	Dr. M. Kanthababu, & V. Vidyaa	Dr. M. Kanthababu, & V. Vidyaa	Micro arc welding machine	201741046610 & 26/12/2017	Amended
10	Dr. M. Kanthababu,	Dr. M. Kanthababu, S. Anish Kumar, M. S. Ajmal Deen Ali, & R. Madhumathi	lot enabled online condition monitoring of the exhaust gas emission system of the automobiles using	201741046614 & 26/12/2017	Awaiting Examination
11	Dr. M. Kanthababu	Dr. M. Kanthababu, S. Akash, M. Jeeva, B. Manikandan & Shreyas M Kabirdass	Internet of things based cam actuated bell	201841013438 & 09/04/2018	Awaiting Examination
12	Dr. M. Kanthababu	Dr. M. Kanthababu, K. R. Sunil Kumar & A. Sarath Kumar	IOT enabled tool wear condition monitoring system for cnc turning comprising sound sensor	201841022038 & 13/06/2018	Awaiting Examination

13	Dr. M. Kanthababu	Dr. M. Kanthababu, & K. R. Sunil Kumar	IOT enabled tool wear condition monitoring system for cnc turning comprising acoustic emission sensor	201841022047 & 13/06/2018	Awaiting Examination
14	Dr. M. Kanthababu	Dr. M. Kanthababu, & K. R. Sunil Kumar	IOT enabled tool wear condition monitoring system for CNC tuning comprising Accelerometer sensor	201841022035 & 13/06/2018	Amended
15	Dr. M. Kanthababu	Dr. M. Kanthababu, & K. R. Sunil Kumar	IOT enabled tool wear condition monitoring system for CNC tuning comprising multiple sensors	201841022044 & 13/06/2018	Awaiting Examination
16	Dr. M. Kanthababu	Dr. M. Kanthababu, S. Akash & G. Nikitha	An automatic stair climbing unmanned vehicle system for payload delivery	201941016050 & 23/04/2019	Awaiting Examination
17	Dr. M. Kanthababu	Dr. M. Kanthababu, S. Sri Ranganathan, R. Ranjani, U. Sivaramakrishnan, & N. Naveen Kumar	An interactive lamp system for communication between users without using smart mobile communication devices	201941027751 & 11/07/2019	Awaiting Examination

(18) Medical Electronics

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Dr. G. Ravindran, & S. Shenbaga Devi	Dr. G. Ravindran, & S. Shenbaga Devi	Hystero electrical activating mapping	60/MAS/2001 & 23/01/2001	Granted
2	Dr.S.Shenbaga Devi,	Dr.S.Shenbaga Devi, Ronnie Jacob George, & Parveen Sen	Visual acuity computation using sweep vep	201941004031 & 01/02/2019	Awaiting Examination

(19) Physics

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Anna University, Chennai	M. Chitra & I. Davis Jacob	Method of growing metal oxide micro particles on pencil graphite as a binder free electrode for a coaxial asymmetric super capacitor(Casc)&method for fabricating the same	201941046038 & 13/11/2019	Awaiting Examination

(20) Production Technology

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Indian Institute of Technology Madras, Chennai	Dr. T. Subramaniam Sampath Kumar, Dr. Sekharipuram Krishnamoorthy Seshadri, & Arjunan Siddharthan	A composition containing nanophase calcium deficient hydroxyapatite with Mg, Sr and Si synthesized from egg shell by microwave processing	848/CHE/2006 & 15/05/2006	Granted
2	A. J. D Nanthakumar, & J. Jancirani	A. J. D Nanthakumar, & J. Jancirani	A real time adaptable damper	201741036049 & 11/10/2017	FER Issued
3	J. Jancirani A. Sangeet Sahaya Jeyangel, & G. Anandraj	J. Jancirani A. Sangeet Sahaya Jeyangel, & G. Anandraj	Air curtain side skirt for reducing underbody drag	201841001033 & 10/01/2018	Awaiting Examination

4	A. Rajadurai, & Suresh Patil	A. Rajadurai, & Suresh Patil	Chlorine-doped tin monoxide the p-type transparent conducting particles and manufacturing process	201841028671 & 31/07/2018	Awaiting Examination
5	J .Jancirani, A.Sangeet Sahaya Jeyangel, & G. Anandraj	J .Jancirani, A.Sangeet Sahaya Jeyangel, & G. Anandraj	Conduit side skirt for underbody drag reduction	201841039705 & 22/10/2018	FER Issued

(21) Textile Technology

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Muthu Paiyan Tamil Selvan, & Krishnan Raghunathan	Muthu Paiyan Tamil Selvan, & Krishnan Raghunathan	Process for categorization of fibres with respect to their physical properties along with existing carded cotton yarn manufacturing sequence of process	262/CHE/2004 & 22/03/2004	Granted
2	Dr. D. Yuvaraj	Dr. D. Yuvaraj	Method for assessing fabric surface characteristics	37/CHE/2005 & 18/01/2005	Granted
3	Dr. S. Subramanian, Dr.A. Peer Mohamed, & Paramasivam Dhanapal	Dr. S. Subramanian, Dr.A. Peer Mohamed, & Paramasivam Dhanapal	New method of production of compact yarn	1097/CHE/2006 & 28/06/2006	Granted
4	Anna University, Chennai	Dr. A. Peer Mohammed, Dr. S. Subramanian, & T. Sureshram	Point fluted bottom rollers for roller drafting system of yarn spinning and preparatory machines	1231/CHE/2008 & 21/05/2008	Granted

5	Dr. M. Murugesan, & S. Kuberasampth kumar	Dr. M. Murugesan, & S. Kuberasampth kumar	A new twisting system to twist all kind of fibers/ filaments without using ring and traveller	1123/CHE/2008 & 07/05/2008	Granted
6	Dr. S. Subramanian, & S. Kubera Sampath Kumar	Dr. S. Subramanian, & S. Kubera Sampath Kumar	Nano material based multilayer wound dressing system	2285/CHE/2014 & 08/05/2014	FER Issued
7	P. Pathalamuthu, A. Siddharthan, & Dr. V. R. Giridev	P. Pathalamuthu, A. Siddharthan, & Dr. V. R. Giridev	Spirograph based mechanical assembly for fabrication testing and measurement of product with near uniform characteristics	5603/CHE/2014 & 07/11/2014	Amended
8	Dr. A. Peer Mohamed, Dr. S. Subramanian, P. Kathirvel & V. Preethi	Dr. A. Peer Mohamed, Dr. S. Subramanian, P. Kathirvel & V. Preethi	Devices to reduce inter fibre friction in roller drafting system for yarn manufacture	201641027276 & 22/07/2016	Awaiting Examination
9	Dr. N. Gobi	Dr. N. Gobi	Construction of polymeric/electro spun composite membrane for water filtration and a method thereof	201641032148 & 21/09/2016	Amended
10	Dr. S. Subramanian, & Dr. A. Peer Mohamed	Dr. S. Subramanian, & Dr. A. Peer Mohamed	Modified cradle and nose bar for apron drafting system	201641043615 & 1/12/2016	Awaiting Examination
11	Vaidheeswaran Sivanesan, & Subramanian Sundaramoorthy	Vaidheeswaran Sivanesan, & Subramanian Sundaramoorthy	Leakless facial shape fitting component for respirators	201741000650 & 06/01/2017	Application Examined
12	N. Gobi & B. Devi	N. Gobi & B. Devi	Method to synthesis tio2 nanoparticles and lycopene - tio2 nanoparticles complex	201841025473 & 09/07/2018	FER Issued
13	N. Gobi & R. Senthil	N. Gobi & R. Senthil	Blended Suture for Surgical Application and a preparation process thereof	201841033152 & 04/09/2018	Awaiting Examination

14	N.Gobi & S.Arun Karthick	N.Gobi & S.Arun Karthick	Multifunctional nanocomposite nanofibrous filter for aerosol filtration, chemical and biological protection	201841029428 & 06/08/2018	FER Issued
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(22) KBC Research Foundation

Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	The University of Western Australia, & KBC Research Foundations Private limited, Anna University, Chennai	Arunasalam Dharmarajan, & Survo Chatterjee	Anti-angiogenic agents and methods of their use	US 12/285,713 & 10/10/2008	Expired
2	KBC Research Foundation Pvt. Ltd, Anna University, Chennai	Muthu Sethuraman	Chained checksum error correction mechanism to improve TCP performance over network with wireless links	US 12/487,313 & 18/06/2009	Granted
3	KBC Research Foundation Pvt. Ltd, Anna University, Chennai	Sarad Ammanath Venugopalan, & Srikanth Subramanian	Sub channel formation in OFDMA systems	US-12/645,709 & 23/12/2009	Granted
4	KBC Research Foundation Pvt. Ltd, Anna University, Chennai	Sarad Ammanath Venugopalan, & Srikanth Subramanian	Methods and systems for detecting a preamble of a data packet in wireless communication systems	US 12/716,803 & 03/03/2010	Granted
5	KBC Research Foundation Pvt. Ltd, Anna University, Chennai	Srikanth Subramanian, & Sathish Viswanathan	Methods and systems for synchronizing wireless transmission of data packets	US 12/726,960 & 02/03/2010	Expired

6	KBC Research Foundation Pvt. Ltd, Anna University, Chennai	Sarad Ammanath Venugopalan, & Srikanth Subramanian	Methods and systems for synchronizing wireless transmission of data packets	PCT/IB2010/054140 & 14/09/2010	Application Published
7	Council of scientific & industrial research	Santosh Bhaskaran, & Suvro Chatterjee	Interplanetary travel gravity simulator (IPTGS)	591/DEL/2015 & 03/03/2015	Awaiting Examination

(23) Constituent Colleges

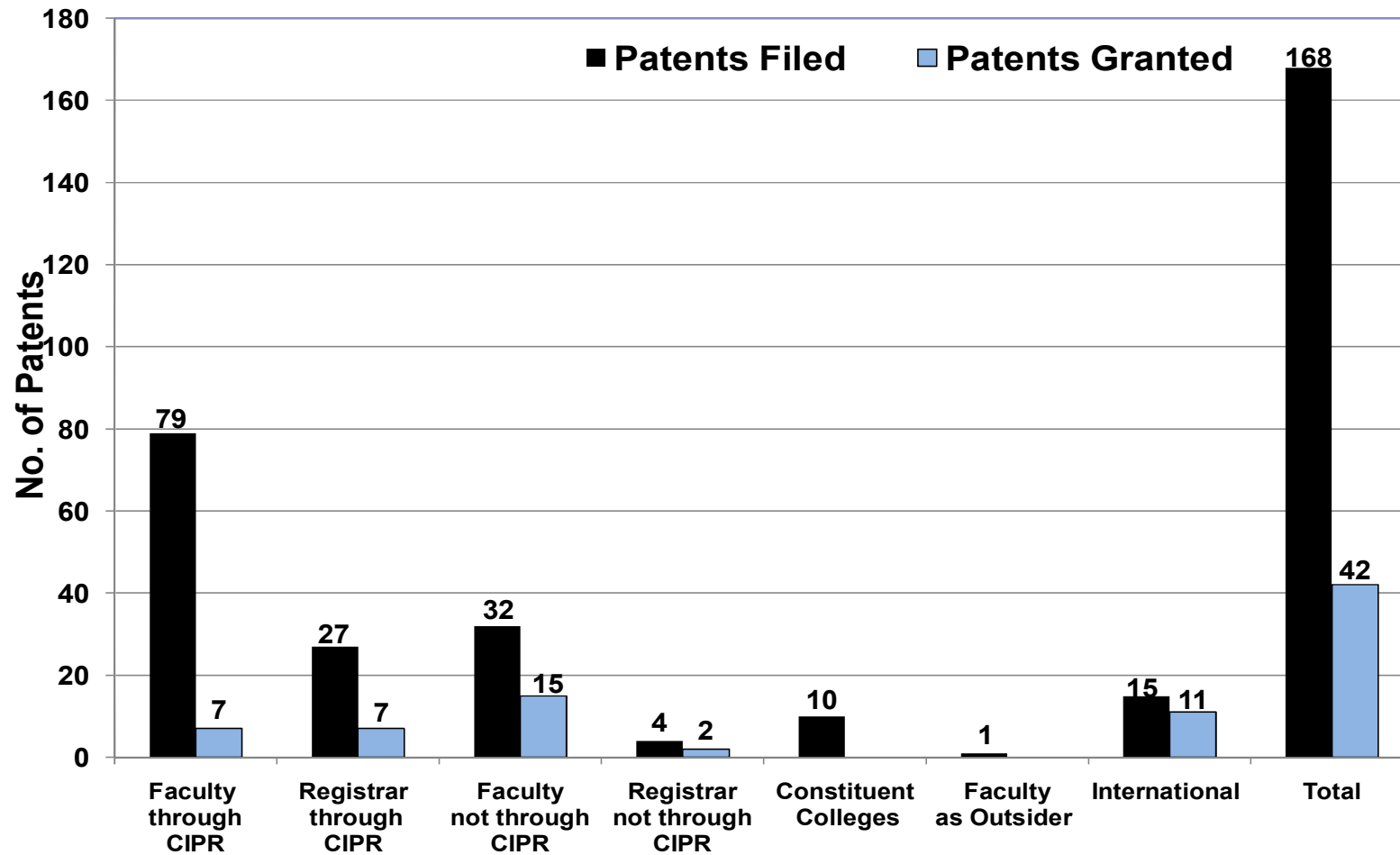
Sl. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Current Status
1	Villupuram Dr. R. Senthil, & R. Silambarasan	Dr. R. Senthil, & R. Silambarasan	Nox reducing additive composition for annona biodiesel	1892/CHE/2015 & 10/04/2015	Amended
2	Villupuram Dr. R. Senthil, & G. Mohan	Dr. R. Senthil, & G. Mohan	Additive composition for biodiesel to reduce emission in diesel engine	1869/CHE/2015 & 09/04/2015	Amended
3	Villupuram DR. D.Gajalakshmi	DR. D.Gajalakshmi	A process of recording conductive chemical substance information as sound signals using data acquisition	201941016056 & 23/04/2019	Awaiting Examination
4	Coimbatore R. Nandhakumar, Dr. S. N. Deepa, & B. Arunadevi	R. Nandhakumar, Dr. S. N. Deepa, & B. Arunadevi	Automatically deployable and retractable vehicle sheathe system	201741041426 & 20/11/2017	Awaiting Examination

5	Coimbatore Shrihariprasath Basuvaiyan J. Preethi S. Balamurugan T.S. Selvavel S. Shivasankaran P.K. Sasikumar	Shrihariprasath Basuvaiyan J. Preethi S. Balamurugan T.S. Selvavel S. Shivasankaran P.K. Sasikumar	Design and implementation of smart solar energy management system using internet-of-things	201941017933 & 06/05/2019	Awaiting Examination
6	Trichy National Institute of Technology	G. Venkatesan, G. Swaminathan, S. Lakshmana Prabu	A solid waste barrier liner composition for landfill with clay and microsilica	201941043080 & 23/10/2019	Awaiting Examination
7	Trichy Dr. N.Krishnaraj, Dr.T. Jayasankar & Dr.P.Maheswara Venkatesh	Dr. N.Krishnaraj, Dr.T.Jayasankar & Dr.P.Maheswara Venkatesh	A novel image compression model and an operation method thereof for underwater environment	201941046137 & 13/11/2019	Application Published
8	Trichy Dr.S.Sudhakar Dr.V.Subramaniya swamy Dr.T.Jayasankar Dr.S.Balamurugan Dr.Viji Vinod Dr.Shruthi Anand Dr. M.Rajesh Babu Dr.N.B.Prakash Dr.G.R.Hemalaksmi Dr.B.Jaishankar Ms.R.P.Shermy	Dr.S.Sudhakar Dr.V.Subramaniya swamy Dr.T.Jayasankar Dr.S.Balamurugan Dr.Viji Vinod Dr.Shruthi Anand Dr. M.Rajesh Babu Dr.N.B.Prakash Dr.G.R.Hemalaksmi Dr.B.Jaishankar Ms.R.P.Shermy	IOT based personalized healthcare system and method thereof	201941053821 & 25/12/2019	Awaiting Examination
9	Kancheepuram Dr.PON.Partheeban Dr.V. Kavitha	Dr.PON. Partheeban, Dr.V. Kavitha	Key based dynamic ciphertext generating system	201941048083 & 25/11/2019	Awaiting Examination

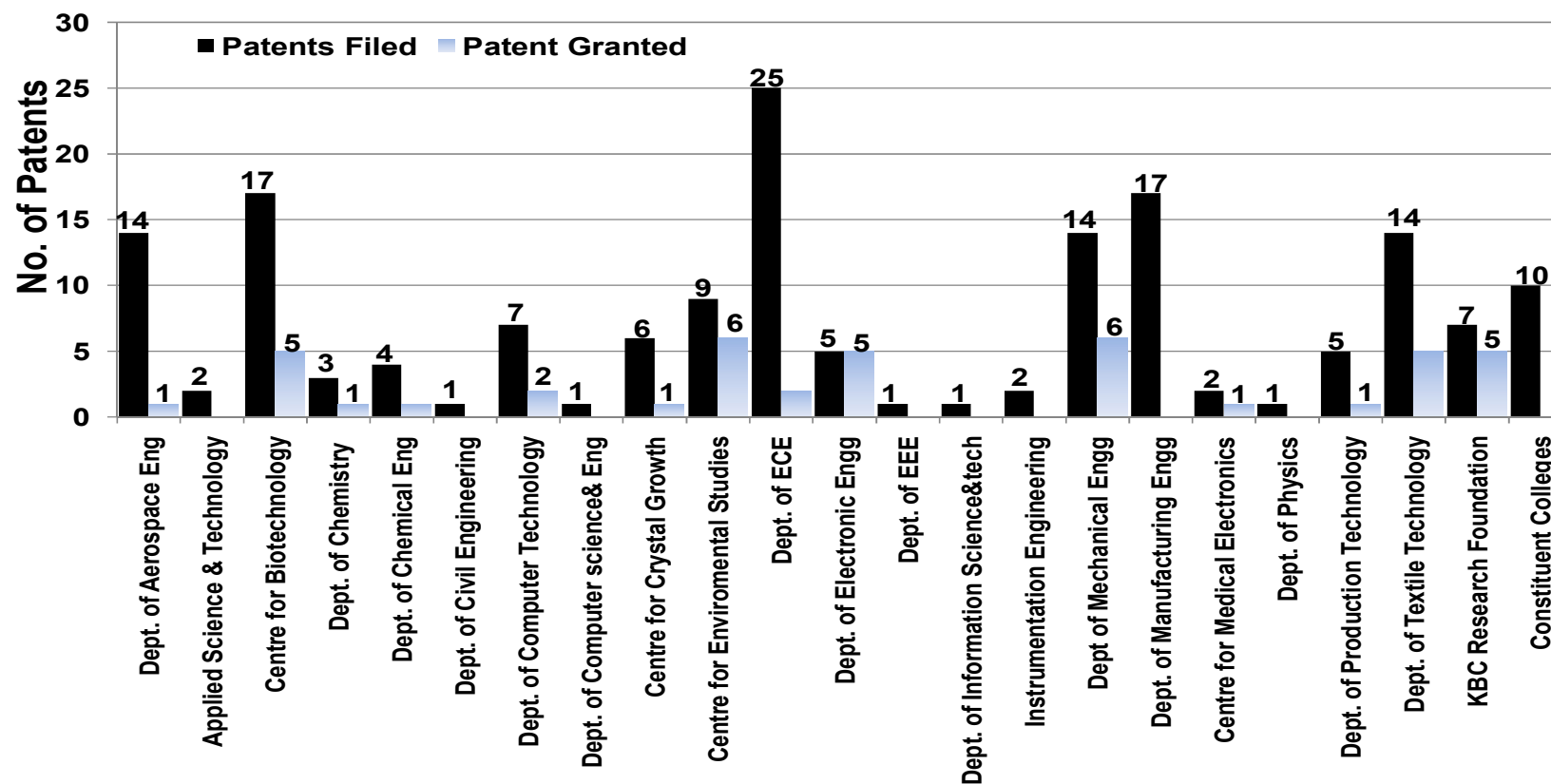
10	Ramanathapuram Mr. Sitanath Biswas, Dr. Sujata dash, Ms. Bindu Agarwalla, Dr. Sujit kumar Panda, Mr. Bhupesh Deka, Dr Siva Shankar S & Dr.P.Eswaran	Ms. Sweta Acharya, Mr. Rabi Narayan Behera, Dr. Saroj kumar Rout, Dr.Nikhath Parveen, Dr. Subhendu Kumar Pani, Dr. A.Muthumari, Dr. Trilok Nath Pandey, Dr. S. Sagar Imambi, Dr. P.Vidyullatha & Dr. Anusha Marouthu	IOT Based Integrated Device and System for Health Analysis	201931039857 & 02/10/2019	Application Published
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Graphical Representation of IPR report

Details of Patents Filed & Granted of Anna University (upto Dec 2019)



Anna University Patent Details - Department Wise (upto Dec 2019)



Anna University Patent Details (Year Wise upto Dec 2019)

