

**St.Joseph's College of Engineering, Chennai - 119**

**Patents Filed:**

<b>S. No.</b>	<b>Country &amp; Patent No.</b>	<b>Name of the Inventor(s)</b>	<b>Title</b>	<b>Date of Filing of Patent</b>
1	Indian Patent 323/CHE/2014	Dr.VaddiSeshagriRao Mr. B. Ramesh (Mechanical)	Design of New Hydraulic Jack- Biped Jack.	27/01/2014
2	Indian Patent 1184/CHE/2014	Mr.G.S.Uthayakumar (ECE) Dr.S.JustinPackia Jacob(BT) Dr.Sivasubramanian (ECE)	Fiber optic skin film transilluminator.	07.03.2014
3	Indian Patent 2238/ CHE/2014	Mr.G.S.Uthayakumar (ECE)	Human Body Signal Biosensor	05/05/2014
4	Indian Patent 3542/CHE/2014	Dr.S.JustinPackia Jacob(BT) Mr.G.S.Uthayakumar (ECE)	Skin Film ECG Electrode	18.07.2014
5	Indian Patent 3978/CHE/2014	Dr. G. Murugesan (CSE) Mr. G.S. Uthayakumar(ECE)	Spectrasoft	13/08/2014
6	Indian Patent 3994/CHE/2014	Dr.S.JustinPackiaJacob(BT) Mr.G.S.Uthayakumar (ECE) Dr.S.Inbasekaran (CLRI)	Algal based Thin Film Sheet for Vitiligo treatment.	14.08.2014
7	Indian Patent 4696/CHE/2014	Dr. G. Murugesan (CSE) Mr. A. Prabhu Chakkaravarthy (CSE)	Third Eye	25/09/2014
8	Indian Patent 5947/CHE/2014	Herald A. Wilson (BT), Ambrose.M Dr. S. Justin Packia Jacob (BT)	A Poly Herbal Anti Diabetic Drug Diaheal-1-Preparation and the Process of preparing the same.	27/11/2014
9	Indian Patent 201641031480	Y.V.Vamsi Bharadwaj E. Jothivanan Students, Dept.of Biotechnology Samuel Davala S.Justin Packia Jacob Professor , Dept.of Biotechnology	DyAgram a new authenticating tool for advanced security signatures.	30/08/2016
10	Indian Patent 201641037258	Dr.A.Chandrasekar, (CSE) A.PrabhuChakkaravarthy, M.Iswarya, J.Nirmala, M. Leena Christy	Automatic Detection of Human Health and Transferring Health Information.	31/10/2016

11	Indian Patent 201641037256	Dr.A.Chandrasekar, (CSE) A.PrabhuChakkaravarthy, Rosario Gilmery Shirley Angel Praveena A	Automatic Water Supply for Agriculture on Analyzing Soil Moisture.	31/10/201 6
12	Indian Patent 201641037257	Dr.A.Chandrasekar, (CSE) A.PrabhuChakkaravarthy, J.Jancy Claret D.Nandhalakshmi	Automatic Water Measurement Using Arduino and Android.	31/10/201 6
13	Indian Patent 201641037259	Dr.A.Chandrasekar, (CSE) A.PrabhuChakkaravarthy, Sowmiya.S I.MonicaTresa	Automatic Detect of Gases in Drainage Using Arduino and its Devices.	31/10/201 6
14	Indian Patent 201641037933	Dr.Hari T.S.Narayanan Mrs.Latha Selvi.G Department of Information Technology	Methods to represent and transport service chargeback among invention and the manner in which it is	7/11/2016
15	Indian Patent 201741007868	K.M.B.Karthikeyan T.Balasubramanian M.Abirami C.Yuvaraj M.Vigneshwaran Department of Mechanical Engg.	Double oscillating (DO) Automotive windshield wiper system.	07/03/201 7
16	Indian Patent 201741045093	Dr.S.Jothi, (CSE) Dr.A.Chandrasekar M. Leena Christy	Segmentation, Detection and Classification of Psoriasis Skin Infection Using Image Processing	15/12/201 7
17	Indian Patent 201741042431	Harish S.G. (EIE) Dr. R. Sivakumar A.Asif Ismail	Automated vehicle for visually impaired – kids.(AVV) (For Indian Road Conditions)	18/09/201 8
18	Indian Patent 201841043420	Dr.R.Pugalenth (CSE) A.Prabhu Chakkaravathy P.Jeipratha A.Ajoe Sweetlin Jeena	Melanoma Detection and a Method For Teaching- Learning Mechanism	30/11/201 8
19	Indian Patent 201941004878	Dr.R.Baskaran Chemical Engg.	Affordable Nano Structured Solar Powered Membrane Distillation Set up for Drinking/Domestic Purposes.	07/02/201 9

## **IPR Award - 2016**



We have so far, filed 19 patents from various Departments. In order to encourage and appreciate the research work carried out by our faculty members and the number of patents filed; Anna University has honored our College by giving an IPR award - 2016. Our Principal, Dr. Vaddi Seshagri Rao is receiving the Intellectual Property Rights Awards - 2016 on behalf of our College, from the Director, Centre for Intellectual Rights at Anna University, Chennai.



Centre for Intellectual Property Rights (CIPR),  
College of Engineering Guindy,  
Anna University, Chennai - 600 025.



*Proudly presents*

**Anna University  
Intellectual Property (IP) Awards -2016**

In Recognition for the  
Excellence in **Intellectual Property Rights (IPR)** relating to the Patents  
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PRESENTED TO

**St. Joseph's College of Engineering**

Chennai - 600119



Registrar  
Anna University, Chennai

**N. Kumar** 26/4/16  
Director, CIPR  
Anna University, Chennai

## First Prize in AICTE-ECI Chhatra Vishwakarma Awards - 2017



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
(A Statutory Body of the Govt. of India)  
Nelson Mandela Marg, Vasant Kunj, New Delhi-110 070



### AICTE-ECI Chhatra Vishwakarma Awards-2017

This is to certify that team from *St. Joseph's College of Engineering*  
*Tamil Nadu*

participated in the 1<sup>st</sup> AICTE-ECI Chhatra Vishwakarma Awards-2017 held on 19<sup>th</sup> September  
2017 at AICTE HQ, New Delhi. This institute is awarded *First* prize  
under Institute category for supporting and motivating team which presented an Innovative  
solution to convert existing institute into Smart Institute.

Member Secretary  
Engineering Council of India

Chairman  
All India Council for Technical Education

**Details of Innovative Awards Received by Faculty**

S.No	Name of the Faculty	Details of Award
<b>2014-2015</b>		
1.	Dr. G. Baskar	<p>Received Best Paper award for the paper entitled “Anticancer activity of asparaginase-silver nanoparticles metal nanocomposite on ovarian cancer and lung cancer cells” in 4<sup>th</sup> International Conference on Technology Development on Agriculture, Energy and Environmental Engineering, for Green World, organized by Vivekanandha College of Engineering, for Women, Tiruchengode during 23<sup>rd</sup> and 24<sup>th</sup> February, 2015.</p> <p>Best Paper Award for a paper entitled “Production of biodiesel from non-edible oil using nanocomposite as catalyst” in 2<sup>nd</sup> International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2015), Arunai Engineering, College, Tiruvannamalai during 28<sup>th</sup> – 31<sup>st</sup> January, 2015.</p> <p>Listed in “Who's Who in the World 2014” 31<sup>st</sup> Edition published by Marquis Who's Who, Berkeley Heights, NJ 07922. (VIP No. 36148953).</p>
2.	Dr. S. Justin Packia Jacob	Mentor – INAE Award (Indian National Academy of Engineering) for the work on “DyAgram (Beta) – A Unique DNA Based Ink and Hologram for Authentication Security” Mr.JothivananE and Mr VamsiBharadwaj YV 2015.
3.	Ms. S. NikkathBushra	Best Paper Award National conference on Innovative and Emerging Trends in Engineering and Technology held on 14 <sup>th</sup> May 2015.
4.	Dr. R. Sundari	Best Paper Award on “Brand Consciousness of Women Consumers” in Second International Conference on Global Business, Economics, Finance and Social Sciences, Chennai in the Year 2014
5.	Dr. B. Uma Maheswari	Best Paper Award National Level Conference on “Innovative & Emerging Trends in Engineering, & Technology,(NCIETET’15)”, Panimalar Institute of technology, Chennai
6.	Mr. N. R. Rajagopalan	Best paper award in National Conference on frontiers in Chemistry & Environment – 2015, organized by C. Abdul Hakeem College of Engineering & Technology, Melvisharam – Vellore on 28.03.15.
7.	Dr. A. Swarnalatha	Certificate of Reviewing award from the Journal “Neuro Computing” (Elsevier Publications) for the month of

		February 2015.
8.	Dr. P. Saravanan	5 <sup>th</sup> national award for Outstanding Research Work on Technology Innovation in Petrochemical and Plastic Processing Industry from Ministry for Chemicals & Fertilizers, Government of India on 21.02.2015.
<b>2015-2016</b>		
1.	Dr. G. Baskar	Received “Outstanding Reviewer of the Year 2015” from Materials Science and Engineering, C: Materials for Biological Applications, Elsevier Publications Ltd., Amsterdam, Netherlands.  listed in “Who's Who in the World 2015” 32 <sup>nd</sup> Edition published by MarquisWho's Who, Berkeley Heights, NJ 07922. (VIP No. 36148953).
2.	Dr. A. Swarnalatha	Received Certificate of Reviewing Award from the Journal “Applied Soft computing” (Elsevier Publications) for the month of May 2016
3.	Ms. S. NikkathBushra	Best Paper Award International Conference on Innovative and Emerging Trends in Engineering and Technology held on 7 <sup>th</sup> May 2016
<b>2016-2017</b>		
4.	Dr. G. Baskar	Received certificate of appreciation and won third prize for a paper entitled “Lipase Functionalized Magnetic Nanoparticles as Heterogeneous Catalyst for Transesterification of Waste Cooking Oil into Biodiesel” in Indian Chemical Engineering, Congress 2016 (CHEMCON2016) and 69 <sup>th</sup> Annual Session of Indian Institute of Chemical Engineers, organized by IChE-Chennai Regional Centre in association with Anna University, IIT-M and CLRI during December 27-30, 2016. Young Scientist Award 2015 from International Bioprocessing Association, France (An International Forum on Industrial Bioprocesses), award was conferred in 7 <sup>th</sup> International Forum on Industrial Bioprocesses during May 21 <sup>st</sup> to 24 <sup>th</sup> May 2017, at Jiangnan University, Wuxi, China.  Received ISTE-Syed Sajid Ali National Award 2016 for outstanding research work in the field of Renewable Energy in 46 <sup>th</sup> National Annual Convention of Indian Society for Technical Education during 10 <sup>th</sup> –12 <sup>th</sup> February 2017 at Gulzar Group of Institutions, Ludhiyana, Punjab.  Received the “Outstanding Reviewer of the Year 2016” from Energy Conversion and Management, Elsevier Publications

		<p>Ltd., Amsterdam, Netherlands. This status is awarded for top 10th percentile of Reviewers of the Journal, in terms of the number of manuscript reviews completed in the last two years.</p> <p>Received the “Outstanding Reviewer of the Year 2016” from Biochemical Engineering, Journal, Elsevier Publications Ltd., Amsterdam, Netherlands.</p> <p>listed in “Who's Who in Science and Engineering, 2016-2017” (12th Edition) published by Marquis Who's Who, Berkeley Heights, NJ 07922. (VIP No. 36148953).</p>
5.	Mr. G. S. Uthayakumar	Received the Professional achievement award 2016 , Institute of Electrical and Electronics Engineers (IEEE) Madras Section.
6.	Dr. P. Saravanan	Best oral presentation - in National Seminar on Recent Advances in Material Science. Conducted by Immaculate College for Women - Viriyur –Villupuram on 27.01.17.
7.	Dr. P. Saravanan	Best oral presentation - in National Seminar on Recent Advances in Material Science conducted by Immaculate College for Women - Viriyur –Villupuram. On 27 <sup>th</sup> Jan 2017.
8.	Mrs. A. Mahalakshmi	Best paper award – Recent Advancements in Chemical, Environmental & Energy Engineering 2018 – conducted by Department of Chemical Engineering, SSN College of Engineering, Chennai. On 15 &16 Feb 2018.
9.	Mr. NR. Rajagopalan	Best paper award - in National Conference on frontiers in Chemistry & Environment 2015 – conducted by Department of Chemistry, C. Abdul Hakeem College of Engineering & Technology, Melvisharam – Vellore. On 28 <sup>th</sup> March 2015.
10.	Dr. R. Kotteeswaran	Best Reviewer of Journals, ISA Transactions 2017
11.	Dr. V. Shanthi	Awarded Elsevier Reviewer, “Computers in Biology and Medicine” – February 2017
<b>2017-2018</b>		
12.	Dr. G. Baskar	Best Paper Award for a paper entitled “Lipid Enhancement and Harvesting Techniques for Green Microalgae <i>Scenedesmus</i> species” presented in International Conference on Advances in Chemical Engineering, for Development of Agriculture, Energy and Environment organized by Department of Chemical Engineering, Adhiyamaan Engineering, College, Hosur, India during October 6-7 <sup>th</sup> March, 2018.
13.	Dr. M. Chamundeeswari	Best paper award entitled as, "Mesoporous Silica Nanoparticles and Solar Panel Fabrication – An Eco-friendly and Novel Approach" National Conference on Innovations in Chemical Engineering, for Sustainable Development (ICES2018) March 28, 2018 organized by SSN College of Engineering, Kalavakkam, Chennai, India.



		"Certificate of Appreciation as Top Ten Finalists in "DIGI GURU-National Teaching Videos Contest" conducted by ICT academy in ITC Chola Hotel on 28 <sup>th</sup> February 2018
14.	Dr. S. Sivasankar	<p>"Outstanding Teachers Awards" - AICTE - ECI ChhatraVishwakarma Awards 2017 organized by All India Council for Technical Education (AICTE) and Engineering, Council of India (ECI) in September, 2017</p> <p>Mentored and won first place for the Project Titled "Piezoelectricity - Energy At Your Footsteps" September 2017</p>
15.	Dr. A. Chandra Sekar	<p>Received the Exemplary Educationist Award from Indo Global Chamber of Commerce, Industries and Agriculture.</p> <p>Received the SardarVallabhai Patel National Reformer Award</p>
16.	Dr. R. Sivakumar	Received a cash prize of Rs. 10,000 for Innovative Student Projects Award for their project. He Mentored the Students project Titled "Cassandra-IOT In Women Safety."
17.	Mr. D. Dinesh Kumar	Mentored a team of students in Smart Hackathon which got Selected in top 10 Pan India Ranking received a cash prize of Rs. 10,000 for Innovative Student Projects Award for their project. He Mentored the Students project Titled "Cassandra-IOT In Women Safety."
18.	Ms. S. Meena	Received a cash prize of Rs. 10,000 for Innovative Student Projects Award for their project. He Mentored the Students project Titled "Cassandra-IOT In Women Safety."
19.	Mr. G. S. Uthayakumar	Received the Professional achievement award 2016 , Institute of Electrical and Electronics Engineers (IEEE) Madras Section.
20.	Dr. Shirley Selvan	Received Best Student Project of the Year (2017-2018), IEAE Award(Institute for Exploring Advances in Engineering,)
21.	Ms. M Esther Hannah	Mentored and received Best Innovative project Award from Information and Communications Technology Academy of Tamil Nadu (ICTACT)
22.	Dr. R. Joseph Manoj,	Mentor in Smart India Hackathon for team TEAM-XPOSE and obtained I prize of Rs. 100000/-
23.	Mr. Suresh K	Mentor in 1st AICTE-ECI ChhatraVishwakarma Awards 2017 and secured III place.
24.	Mr. S. P. Karupiah	Mentored for Hackathon and such competitions: Mentor Award for Smart India Hackathon, 2018.
25.	Mrs. A. Mahalakshmi	Best paper award in Recent Advancements in Chemical, Environmental & Energy Engineering, conducted by Department of Chemical Engineering, SSN College of Engineering, Chennai on 15.02.2018.
26.	Dr. M. Chamundeeswari	Received a "Certificate of Outstanding Contribution in Reviewing" from <i>Colloids and Surfaces B: Biointerfaces</i> ,

		Elsevier, Amsterdam, The Netherlands on January 2017.
27.	Dr. N. Venkatesh	Received an award for Outstanding contribution in reviewing Journal titled "Industrial crops and products "
28.	Dr. A. Chandra Sekar	Received the Best Supervisor Award from Arunai International Research Foundation.
29.	Dr. V. Krishnakumar	Won Certification of Outstanding Contribution in reviewing, Elsevier-Computer and Electrical Engineering, in June 2017
30.	Dr. M. Venmathi	Awarded (Pearl Foundation Best Women Researcher Award) in recognition of her outstanding contribution in the field of EEE in India.
31.	Dr. R. Sivakumar	Received a Grant of Rs. 10,000 from Tamil Nadu State Council for Science and Technology (TNSCST) under student project scheme titled system "Sewage block detection"
32.	Dr. Jayasree Krishnan	Best Organizer Award form "YOUTH DEVELOPMENT CONSORTIUM" An Entrepreneurs council of India Initiative supported by Ministry of Urban Development, Ministry of Youth affairs and Sports, Ministry of Ayush, Ministry of Finance- Government of India, in the month of September 2018.
33.	Dr. B. Subash	Dr.APJ Abdul Kalam Award for YOUNG SCIENTISTS-2017 from Marina Labs - Research & Development, Chennai.

## List of Innovative Projects Awards (Last 5 Years)

SI. NO	Name of the Funding Agency	Title of the Project	Name of the Student & Dept	Year
1.	Indian National Academy of Engineering, New Delhi.	Design of Gyroscopically Controlled biomorphic robot and gait generation for assisted walking of humans	Harish Rammohan.S (EEE)	2014
2.	Indian National Academy of Engineering	Design and Development of 3D Printer	Mr G Vignesh Mr S Aakash(Mechanical)	2015
3.	Indian National Academy of Engineering	Effect of Dynamically Controlled Reflectors on the Performance of Solar Panels	Mr R Solomon Jeshur Raja Mr AV Vamsi Krishna(EEE)	2015
4.	Indian National Academy of Engineering	DyAgram (Beta) - A Unique DNA Based Ink and Hologram for Authentication Security	MrJothivanan E(BIOTECH) MrVamsiBharadwaj YV	2015
5.	ISTE, New Delhi	Design and Development of 3D Printer	Mr G Vignesh	2015
6.	CTS	Best Student Award	Ms.S.Abinaya (IT)	2015
7.	Won 1 <sup>st</sup> prize, Smart India Hackathon 2017, Ministry of Rural Development	Xpose	Mr.Vasanthan P.V, Mr.Siva.R, Mr.Vikram.B, Mr.JerrishJosanne, Mr.MukhilKratheesh, Mr.Navaneetha Krishnan (CSE)	2017
8.	Won 4 <sup>th</sup> prize, Smart India Hackathon2017, Department of Science and Technology	Gaming, Apps, etc. for the elderly	Mr. AravindSiddharth. S, Mr. Boobalan S, Mr. Anesley Jude Roshan, Mr. Rajakarier Dinesh B, Ms.Deepshika V A, Ms. Aasha M (IT)	2017
9.	Indian National Academy of Engineering, New Delhi.	Cassandra – IOT in women safety	Mr.KarthicrajaV.M Mr.Krishna Prasad V.L (EIE)	2017
10.	Indian National Academy of Engineering, New Delhi.	Fool Proof Centralized Voting Machine using Automation System	Ms.S.Nivetha Ms.K.Priyanka (ECE)	2017
11.	Won 1 <sup>st</sup> prize, AICTE-ECI ChhatraVishwakarma Award -2017	Piezoelectricity-Energy at your footsteps	Mr.Hariharan Mr.B.Preethi Jain Mr.J.D.JeevithPrabhu Mr.M.Nilan (Civil) Dr.S.Sivasankar - Mentor	2017
12.	Won 3 <sup>rd</sup> prize, AICTE-ECI ChhatraVishwakarma Award -2017	Teaching Pedagogy and Implement Dynamic Syllabus Allocation	Mr.Vasanthan P.V Mr.JerrishJosanne Mr.Vikram.B Mr.Siba.R (IT) Mr.Suresh - Mentor	2017
13.	Indian National Academy of Engineering	Fabrication of Novel Pesticide detection tool and its application in Food samples	R.Hemalatha (BT)	2018
14.	Cognition Best Student Award	-	Mr.S.Varun Kumar (ICE)	2019
15.	Awarded Rs 75,000 for winning AICTE Smart India Hackathon 2019, held at Sagi Ramakrishna	-	Mr.RoselindSugumar Mt.Vishnunathan. C Mr.Shravya A.S Mr.Ajith Kumar Mr.Rohit	2019

	RajuEngg. College, Bhimavaram.		Mr.Satheesh.J (CSE)	
16.	Awarded Rs 50,000 for winning AICTE Smart India Hackathon 2019, held at Sri Venkateswara College of Engg., Thirupathi.	Robotics and Drones	Ms.S.Haritha, Ms.K.J.Gladys Ms.J.MaryFlorance Mr.C.Jagadeesh Mr.C.Balaji (IT)	2019
17.	Won Ist prize and Cash award Rs.1,00,000.in Smart India Hackathon 2019, by Ministry of Civil and Aviation.	-	Mr.Alvis. F Ms.AnuradhaKrishnarathinam Ms.Aiswariya.R Mr.AshueoshPatole Mr.AgashChandar Mr.Daniel David (CSE)	2019
18.	Won Ist prize and Cash award Rs.1,00,000.in Smart India Hackathon 2019, by Yamaha India Pvt.Ltd.	-	Mr.DhanooshLakshman.S Mr.George Joseph Mr.GokulPrakash.P Mr.Jamuna Devi. G Devadharshini.M (CSE) Mr.DhushyanthChowdary.E	2019
19.	Won Ist prize and Cash award Rs.1,00,000.in Smart India Hackathon 2019, by Dr.Reddy's Laboratories.	-	Mr.Harish Kumar (ECE) Mr.T.K.Balaji Ms.AishwaryaPriya P.M Mr.BastinJoemics.J (IT) Mr.Dinesh.J Ms.Nivedhitha.M	2019
20	Won consolation prize and Cash award Rs.10,000.in Smart India Hackathon 2019, by Everest Pvt.Ltd.	-	Ms.Anusha.S Ms.Ajitha.R Ms.ArthyLakshmi.R Ms.ChettyJayasruthi.P Ms.Andria Janet Evangeline Mr.AdithyaAbhisek	2019



दूरभाष/TEL : 26962819, 26567373  
(EPABX) : 26565694, 26562133  
: 26565687, 26562144  
: 26562134, 26562122  
फैक्स/FAX : 26960629, 26529745  
Website : <http://www.dsir.gov.in>  
(आईएसओ 9001:2008 प्रमाणित विभाग)  
(AN ISO 9001:2008 CERTIFIED DEPARTMENT)



भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
टेक्नोलॉजी भवन, नया महरौली मार्ग,  
नई दिल्ली - 110016  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
Department of Scientific and Industrial Research  
Technology Bhavan, New Mehrauli Road,  
New Delhi - 110016



F.No. 11/569/2012-TU V

Date: 2<sup>nd</sup> January, 2019

**The Principal  
St. Joseph's College of Engineering  
of Jeppiaar Educational Trust  
Old Mamallapuram Road (OMR),  
Chennai - 600 119  
Tamil Nadu**

**Subject: Renewal of Recognition of Scientific and Industrial Research Organisations (SIROs).**

Dear Sir,

This has reference to your application for renewal of recognition of St. Joseph's College of Engineering of Jeppiaar Educational Trust, Chennai, Tamil Nadu as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord renewal of recognition to **St. Joseph's College of Engineering of Jeppiaar Educational Trust, Chennai, Tamil Nadu from 01.04.2018 upto 31.03.2021**. The recognition is subject to terms and conditions mentioned overleaf.

3. Receipt of this letter may kindly be acknowledged.

Yours faithfully,

(Dr. S.K. Deshpande)  
Scientist - 'G'

## **TERMS AND CONDITIONS FOR RECOGNITION OF SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATIONS (SIROs)**

1. The organizations should acknowledge receipt of the recognition letter by stating that they will abide by the terms and conditions of recognition.
2. The recognition will entitle the SIRO to receive such administrative support from the DSIR, Ministry of Science & Technology as may be required on issue to promote or encourage scientific research activities.
3. SIROs recognized by DSIR are also deemed to be registered. A separate certificate of registration\*\* is issued along with the recognition letter. The recognition would be valid for the period specified in the recognition letter and application for renewal of recognition shall be submitted in the prescribed proforma at least 3 months before the expiry of the valid recognition. Failure to submit application in time may lead to automatic lapsing of the recognition & registration.  
*\*\*However, the certificate of registration is not issued to SIROs engaged in activities falling within the definition of 'hospital' as per notification No. 51/96-Cus. Dt. 23.07.1996 issued by the Department of Revenue.*
4. The recognition of DSIR does not amount to approval u/s 35(1)(ii)/(iii) of Income Tax Act, 1961.
5. The registration will entitle the SIROs to avail of custom duty exemption on purchase of equipment, instruments, spares thereof, consumables, etc. used for research and development subject to relevant Government policies in force from time to time. Custom duty exemption has to be separately dealt with the customs authorities. The SIROs should abide by the terms & conditions of the customs notifications issued/amended from time to time.
6. Separate books of accounts shall be maintained by the SIRO for research & development activities and the R&D expenditure, both capital and recurring should be reflected the Annual Report and Statement of Accounts of the Organization in separate schedules.
7. Disposal/sale of equipment and products/prototypes/intermediates, if any, emanating from the R&D/pilot plant, should be intimated to DSIR immediately. The realization, if any, from above or any services rendered etc. shall be shown in the R&D accounts of the organization as income of the SIRO in the audited accounts as well as annual report and should be used or reinvested for research activities only. In case of disposal/sale of R&D equipment, clearance from custom authorities will also be required in view of the applicable notifications under which the equipment was imported/purchased in India.
8. Accelerated depreciation allowance as per Rule 5(2) of Income Tax Rules 1962 will be available on investments on plant & machinery by any industrial unit which has made these investments for the purpose of commercialization of technology/know-how acquired from a SIRO recognition by DSIR.
9. Brief summary of the achievements of the organization shall be submitted to the DSIR every year. This should include details related to papers published, patents obtained and process developed, new products introduced, awards & prizes received, copy of Annual Report and Statement of Accounts of the organization etc. List of equipment, instruments, parts and consumables imported/purchased using the duty exemption should also be submitted to DSIR along with the Annual Report.
10. Any violation of the terms & conditions mentioned-above and / or provisions of taxation in force will make the organization liable to de-recognition.
11. The organization will also conform to such other conditions for recognition stipulated in the Guidelines or as may be specifically provided in the recognition letter.

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दूरभाष/TEL : 26962819, 26567373  
(EPABX) : 26565694, 26562133  
: 26565687, 26562144  
: 26562134, 26562122  
फैक्स/FAX : 26960629, 26529745  
Website : <http://www.dsir.gov.in>  
(आईएसओ 9001:2008 प्रमाणित विभाग)  
(AN ISO 9001:2008 CERTIFIED DEPARTMENT)



भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
टेक्नोलॉजी भवन, नया महरौली मार्ग,  
नई दिल्ली - 110016  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
Department of Scientific and Industrial Research  
Technology Bhavan, New Mehrauli Road,  
New Delhi - 110016



F.No. 11/569/2012-TU V

Date: 2<sup>nd</sup> January, 2019

The Principal  
St. Joseph's College of Engineering  
of Jeppiaar Educational Trust  
Old Mamallapuram Road (OMR),  
Chennai - 600 119  
Tamil Nadu

Subject: Registration of Research Institution, other than a Hospital, for the purpose of availing Customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23.07.1996; No. 24/2007-Customs dated 01.03.2007; No. 43/2017-Customs dated 30.06.2017; No. 45/2017-Central Tax (Rate) & 47/2017-Integrated Tax (Rate) dated 14.11.2017; No. 9/2018-Central Tax (Rate), No. 09/2018-Union Territory Tax (Rate) & No.10/2018-Integrated Tax (Rate) dated 25.01.2018; and State Tax (Rate) as applicable and all notification, as amended from time to time.

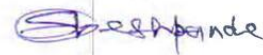
#### CERTIFICATE OF REGISTRATION

This is to certify that **St. Joseph's College of Engineering of Jeppiaar Educational Trust, Chennai, Tamil Nadu** is registered with the Department of Scientific and Industrial Research (DSIR) for the purpose of availing Customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23.07.1996; No. 24/2007-Customs dated 01.03.2007; No. 43/2017-Customs dated 30.06.2017; No. 45/2017-Central Tax (Rate) & 47/2017-Integrated Tax (Rate) dated 14.11.2017; No. 9/2018-Central Tax (Rate), No. 09/2018-Union Territory Tax (Rate) & No.10/2018-Integrated Tax (Rate) dated 25.01.2018; and State Tax (Rate) as applicable and all notification, as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf.

This Registration is valid upto **31.03.2021**.

Please acknowledge the receipt.

Yours faithfully,

  
(Dr S.K. Deshpande)  
Scientist - 'G'

**TERMS AND CONDITIONS FOR REGISTRATION OF  
SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATIONS (SIROs)**

1. The registration would be valid for the period specified in the Registration letter. The renewal of registration shall be made as and when the renewal of recognition as Scientific and Industrial Research Organization (SIROs) is granted.
2. The registration will entitle the Scientific and Industrial Research Organization to avail of customs duty exemption on the import of equipment, instruments, spares thereof, consumables, etc. during the period of recognition and subject to relevant Government policies in force from time to time.
3. The registration of the Scientific and Industrial Research Organization by Department of Scientific and Industrial Research (DSIR) does not amount to granting of Customs duty/Integrated/Central/Union Territory (UT) Tax/State Tax (Rate) exemption. The exemption part may be dealt separately with the appropriate Authorities. The SIROs should abide by the terms & conditions of the Customs/Integrated/Central/Union Territory (UT) Tax/State Tax (Rate) notifications issued/amended from time to time.
4. In case of disposal/sale of R&D equipment, clearance from Custom/Integrated/Central/Union Territory (UT) Tax/State Tax (Rate) authorities will also be required in view of the applicable notifications under which the equipment was imported/purchased in India.
5. List of the equipment, instruments, accessories, parts and consumables imported by the Scientific and Industrial Research Organization shall be furnished to Department annually along with the Annual Report.



**Entrepreneur development Cell Report**

**2016-2017**

- Signed MOU with national entrepreneurship Network of Wadhvani Foundation
- Conducted 3 entrepreneurship awareness and development programme around 100 hundred students in association with I.N.D.I.A Trust. ( 22-7-2016,19-9-2016 & 26-2-2017)
- Organized two phases of workshop for students with funding for EDI government of Tamil Nadu. 200 students and 20 students from various departments participated for one days(12-8-2016) and five days 9 19-9-2016-23-9-2016) respectively.
- Two students who were shortlisted from second phase participated Third phase of EDI sponsored training conducted by CED Anna University. ( S. Avinesh –( EIE Secon Year and G. AjeethaApparna- EIE Fourth Semester) on 7-11-2016 and 8-11-2016
- Two faculty members Dr.Jayasree Krishnan and Dr.G.Ramasundaram attended three days entrepreneurship educator training program organized by NEN at LIBA, Chennai.
- Three teams of students won prizes in business plan contest held in IIT Madras.
- ED cell conducted a lecture on success story and a workshop on business plan preparation on 18-11-2016 around 85 students were participated.
- ED cell of our college organized workshop on women entrepreneurship is associated with Centre of Entrepreneurship Development, Anna University and confederation of women entrepreneurs on 8<sup>th</sup> march 2017. More than 500 students were participated from various colleges in and around Chennai.
- 104 students attended the workshop from our college. 12 women entrepreneurs delivered lecture on their success stories. Cultural activities were performed by our college students along with Anna University students. As part of event, business quiz conducted in which, 20 teams participated and our college team (Miss Shivani.R, Miss U.Tarunika and Miss G.R.Saisree of ECE dept) won second prize.
- Dr.G.Ramasundaram and Dr.Rohini represented our college in workshop on startup policy of AICTE organized by EDI Tamil Nadu at Anna University on 1<sup>st</sup> march 2017. Workshop was preceded by AICTE Chairman and EDI Tamil Nadu Director. A team fromAICTE explained about indicatives of government of India related to establishment of ED cell and startup activities.
- Dr.Jayasree Krishnan, Dr. Lathaselvi, Dr. Murugaesan, Dr.JustinPackia Raj, Dr.Diwan, and Mr.Merin attended one day conference on Bridge 2017, A JourneyOf Transforming India organized by ICT Academy.
- Two of students Mr.B.Ashwath and Mr. K.Abhisek from ECE department participated in various events conducted as part of Enantra'17 organized by CED Anna University on 23<sup>rd</sup> and 24<sup>th</sup> February 2017.

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### Entrepreneur development Cell Report

2017-2018

#### Memorandum of understanding

We strive to attain our objectives and vision in association with the leading and world renowned entrepreneurship institutions such as National Entrepreneurship Network (Wadhvani Foundation, USA) Entrepreneurship Development Institute, Gujarat. Entrepreneurship Development institute, Government of Tamil Nadu, National Small Industries Corporation, India Trust and CED Anna University.

- A one day **Entrepreneurship awareness workshop** was conducted in our campus on 16.7.2017. The speaker Prof.A.Vijayakumar, Chief Mentor - I.N.D.I.A Trust addressed the member about the entrepreneur life cycle, the challenges and opportunities available to them. About 100 students attended this workshop along with the faculty members.
- Arranged Guest Lectures by Successful entrepreneurs M.Parthasathy and Mr. Chitrakumar – Ventura engineers on 17-8-2017
- Skill development program organized in association with I.N.D.I.A Trust and NSIC for 98 students from 20-10-2017-22-10-2017
- Arranged visits for 38 students to innovative startups like- 21-3- 2018.
- Organized women entrepreneurship day in association with CED AnnaUniversity Chennai was conducted on 25-01-2018.Dr.KavithaSairam, CEO & Director FIB-SOL Life technologies graced the occasion, she is currently a Bio-Incubator at IIT Madras Incubation Cell, Chennai.
- An Innovative start up plan was presented in ED cell by Mr.Parthipan and Ms.Kavinasha they spoke about their project “Lexichem”. They were contestants in ED cell start plan contest conducted on 21-03-2018 around twenty students participated and presented their plan.Arrangements were made to send start up proposals of students to various incubation centers for utilizing the opportunity of funding, also entrepreneurs and mentorship from alumni.

**St. Joseph's College of Engineering  
Department of Biotechnology**

**Mushroom Cultivation**



**Mushroom Cultivation Training**



**Mushroom Spawn**



**Filling Plastic bags with Substrate**



**Inoculated Bags**