



You Choose, We Do It
St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119



SPECIAL ACHIEVEMENTS
ACADEMIC YEAR: 2022-2023

A CSR initiative by

Honeywell

Implemented by



CERTIFICATE OF MEMBERSHIP

ST. JOSEPH'S COLLEGE OF ENGINEERING
CHENNAI, TAMIL NADU

has been recognized as

Center of Excellence for Youth Empowerment

To train women students on **Advanced IT Skills**
under **Honeywell Student Empowerment Program.**

Host Institution



C. No: 01173 | Date: 20 Oct 2021




A handwritten signature in blue ink, reading "Pooja Thakran".

Authorized Signatory
Honeywell

A handwritten signature in blue ink, reading "Dr B Anbuthambi".

Dr B Anbuthambi
President, ICT Academy




Valid till: 31 March 2022



Sl. No.	Event Details	Project Title/ Details	Student/Staff Details	Winning Position/Prize	Certificate
1	IC HACK '22	Track Healthcare Title AI-Calorie Tracker	Mr. Mohamed Shameer E Mr Monish V Mr Mohan Raj L Ms Kiruthika S	II 100 Dollars/team	
2	Smart India Hackathon 2022	Problem Statement : DR710 Organization name: All India Council for Technical Education (AICTE).	Ms. Anushruthika E Mr. Arul Murugan R Mr. Balaguru S Mr. Harish S Mr. Emmanuel David A Mr. Srikeshram B	Winner Rs. 1,00,000/-	
3	Smart India Hackathon 2022	Problem Statement: SM943 Organization: AICTE, MIC-Student Innovation	Mr. Rishikaran. M Mr. Krishna Ram. S Ms. Siva Dharshini. K Ms. Nivedha. R Mr. Manikanda Prabu. C Mr. Joe Antony. V	Second Runner Rs. 25,000	
4	Scientist Award	The Stanford University, USA and Elsevier BV	Dr. G. Baskar	Top 2% Scientists in the World - 2022	https://drive.google.com/file/d/1PE DclGIvPfyG6Gbv1gIjnfqiqlxBBFE P/view?usp=sharing



5	Recent Innovations in Biotechnology, AVIT, Paiyanoor 29/09/2022	Formulation of antimicrobial ZnO/Starch - Iron nanospray for soiled sanitary pads disposal - A novel approach	Ms.S.Yuwvaranni, Ms. B. Sangeetha and Dr. M. Chamundeeswari	Best Paper Award	https://drive.google.com/file/d/1PE DclGIVpFyG6Gbv1gIjnftiqlxBBFE P/view?usp=sharing
6	Post Doctoral Research, Noroff University College, Norway	AI & ML Techniques in Bioprocess Optimization	Dr. G. Baskar	Post Doctoral Fellow	https://drive.google.com/file/d/1PE DclGIVpFyG6Gbv1gIjnftiqlxBBFE P/view?usp=sharing
7	International Conference on Advances in Communication Technology and Computer Engineering, 24-25 February 2023 University of Bolton, UK	Thermal Image-Based Early Breast Cancer Detection: A Study Using Lightweight Deep Learning Model	Ms.Deno Petricia, IVyr	Participated in Offline mode	https://drive.google.com/file/d/1PE DclGIVpFyG6Gbv1gIjnftiqlxBBFE P/view?usp=sharing
8	TNSCST -Student Project Scheme	Synthesis of Reduce Graphene Oxide using Modifies hummers Method for cancer treatment	Theebika B, IV yr Gayathri S, IV yr	Sanctioned Project	https://drive.google.com/file/d/1PE DclGIVpFyG6Gbv1gIjnftiqlxBBFE P/view?usp=sharing
9	National Level Hackathon in Bioinformatics organized by Tamil Nadu Agricultural University- 10 th March 2023	Nutrient NPK sensing and Monitoring	Monika V R, II yr Sharmyli M S, II yr	Secured Third Place	https://drive.google.com/file/d/1PE DclGIVpFyG6Gbv1gIjnftiqlxBBFE P/view?usp=sharing

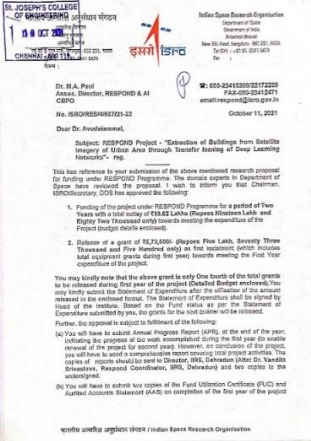

10	Project competition “Catalyse Tech-2022” conducted by Global Center of Excellence in Affordable and Clean Energy (GCoE-ACE), IIT Dharwad and SELCO Foundation	Smart Energy Meter and Load Monitoring of Individual Loads	Abhinaya Sri. T Mohamed Aashiqk.S Abhishlal N S Jenin Benedict	Won First prize with cash prize of Rs. 112500/-	https://drive.google.com/drive/folders/1LJ4101MEKw9PeTa-QBzgRaSPiLXF9lDf?usp=sharing
11	Ideathon event by startup Tamilnadu committee in Excel Engineering College, Salem.Tamilnadu	Smart LPG observing and explosion management	Priyanka.J Maria Shirley John Lm Jesse S Manisha N	Won Second prize with cash prize of Rs.20000	
12	National level Project Contest,Sri Manakula Vinayagar Engineering College, Puducherry	Optimization of speed limiters in heavy vehicles	Jayachandran.M Poornavikash.T	Won First prize with cash prize of Rs.10000	
13	“Ideathon 2k22” National Level Design Contest for Innovation in Defence Electronics at Pulla Reddy College, Hyderabad	Self Explode Drone	Hariharan.N Faizan Ahmed.Y	Won Second prize with cash prize of Rs.7500	





14	TechGenzi's Techathon,AAA College of Engineering and Technology	SINGLE VENDOR E- Commerce	Santhosh Chakravarthi Sruthi.V.M Shrudhrag Krishna	Won third prize with cash prize of Rs.10000
15	YESIST 12, Bangalore	Smart Energy Meter and Load Monitoring of Individual Loads	Abhishlal N S Jenin Benedict A Kavin D Thavaloshini A	Finalist
16	IEEE Richard E. Merwin student scholarship	IEEE	Abhishlal N S	Received fund of 1000 USD
17	IEEE PES R10 Student Chapter Training Program, in PARKROYAL COLLECTION Marina Bay,Singapore	IEEE PES	Abhishlal N S	Received fund of 1250 USD

<p style="text-align: center;">18</p>	<p style="text-align: center;">FAER Scholar Awards 2022</p> <p>National Level FAER-Integra Program organized by Foundation for Advancement of Education and Research, Bangalore.</p>	<p>VIRTUAL FENCE - Intelligent AI Assistance to Indian Fishermen</p>	<p style="text-align: center;">Tharun Prasath J Vishal S</p>	<p>Received a Grant of Rs. 6,000/- for Final Year Project Model Development</p>	
<p style="text-align: center;">19</p>	<p style="text-align: center;">GRAND PROJECT IDEAS CHALLENGE</p> <p>National Level Two days SERB-INAE CONCLAVE organized by IIT, Kanpur.</p>	<p>E SAPS - Electric Shock Accident Prevention System</p>	<p style="text-align: center;">Sharfaras J Sethuraman B Surya Prakash N</p>	<p style="text-align: center;">WINNER (1st Prize) (Out of 162 Teams)</p>	
		<p>Smart Elector Validation System Assisting the First Polling Officer</p>	<p style="text-align: center;">Tharun Prasath J Vignesh Karuppasamy DM Uppuliappan M</p>	<p style="text-align: center;">2nd Runner up (3rd Prize) (Out of 162 Teams)</p>	

<p>20</p>	<p>MSME IDEA HACKATHON - 2022</p> <p>National Level Grand Challenge organized by Ministry of MSME, Government of India</p>	<p>E SAPS - Electric Shock Accident Prevention System</p>	<p>Sharfaras J Sethuraman B Surya Prakash N</p>	<p>Grant Sanctioned Rs. 12,00,000</p>	
<p>21</p>	<p>SMART INDIA HACKATHON 2022</p> <p>Category: Software</p> <p>Venue: KIT'S College of Engineering, Kolhapur, Maharashtra</p> <p>Date: 25/08/2022 & 26/08/2022</p>	<p>Problem Statement: Develop a system for high compression and decompression of photographs and documents without loss of quality</p>	<p>Team Name: The Chargers Team Leader Name: Annabathula Rohith Team Members: Gideon M, Beniel Richard B, Sandeep Kumar M N, Sai Priyadarshini J, Sameeksha S A Team Mentor: Dr. B. Victoria Jancee - HOD (Staff affairs), ECE</p>	<p>Finalist</p>	

<p>22</p>	<p>SMART INDIA HACKATHON 2022</p> <p>Category: Software</p> <p>Grand Finale Venue: Shri Ramdeobaba College of Engineering and Management, Nagpur, Maharashtra.</p> <p>Grand Finale Date: 25/08/2022 to 26/08/2022 (36 hrs Hackathon)</p>	<p>Problem Statement: Hologram with Speech Synthesis To develop a hologram and speech synthesis algorithm to bring historic speeches delivered by legendary personalities in the past back to life, in museums.</p>	<p>Team Name: Dynamix</p> <p>Team Leader: Jaswanthika R</p> <p>Team Members: Akshaya S Bharath M Hamshavardhan T S Akshaya S Gowsic R</p> <p>Team Mentor: M. Lingeswaran, Assistant Professor - ECE</p>	<p>Finalist</p>	
<p>23</p>	<p>SMART INDIA HACKATHON 2022</p> <p>Category: Hardware</p> <p>Venue: Kalasalingam Academy of Research and Education Date: 25/08/2022 & 29/08/2022</p>	<p>Artificial Intelligence enabled robotic trash boat to drive & harvest floating trash from urban drain</p>	<p>Team Name: Threadripperrzs</p> <p>Team Leader: CharanVelavan</p> <p>Team Members: Akshay B Prakriti Harith Thanisqka N Aditya S Nair Medha R</p> <p>Team Mentor: Dr. Venkatesan K , Assistant Professor - ECE</p>	<p>Finalist</p>	

<p style="text-align: center;">24</p>	<p>ISRO RESPOND BASKET Program</p>	<p>Extraction of buildings from Satellite imagery of Urban area through transfer learning of deep learning networks.</p>	<p>Dr. Avudaiammal R, Dr. J Martin Leo Manickam</p>	<p>Rs. 19.82 lakhs</p>	 <p>The image shows an official letter from the Indian Space Research Organisation (ISRO) to Dr. Avudaiammal R. The letter is dated October 11, 2021, and is addressed to Dr. N.A. Paul, Director of RESPOND & AI CSPO. The subject of the letter is the RESPOND Project, titled "Extraction of Buildings from Satellite Imagery of Urban Area through Transfer Learning of Deep Learning Networks". The letter informs the recipient that the project has been approved by the Department of Space and provides details of the funding, including a grant of ₹23,00,000 (Twenty Three Lakhs and Five Thousand only) for the first year. It also outlines the conditions for the grant, such as the requirement to submit an annual progress report and a final report, and the need to maintain a separate account for the project funds.</p>
<p style="text-align: center;">25</p>	<p>Best Teacher Award-by Higher Secondary Post Graduate Teachers Association</p>	<p>Higher Secondary Post Graduate Teachers Association 30/10/2022</p>	<p>Mrs.P.Thenmozhi</p>	<p>Best Teacher Award</p>	 <p>The image shows a Best Teacher Award certificate and a decorative plate. The certificate is from the Higher Secondary Post Graduate Teachers Association and is dated 30/10/2022. It is awarded to Mrs. P. Thenmozhi. The certificate is framed and placed on a decorative plate with a floral border. The plate is white with a gold and red floral pattern around the edge.</p>

26	IDEATION OF STARTUP National Level Two days SERB-INAE CONCLAVE organized by IIT, Kanpur.	Manufacturing of Kajal from Agricultural Waste	Ms. Lathaselvi G Mr. Dinesh Kumar D	1 st Runner up (2 nd Prize)	
27	Smart India Hackathon 2022	MYKRO INFINITY X	Prabindh P Princy Jovita J Praveen V Pavithramuki R Nithish M Nivetha M Dr. Logeshwari D	Joint Winner (Rs 50,000)	
28	Smart India Hackathon 2022	Team Propellers	Amareshwaran P Bharathkishorre S Namitha G Keerthana K Suresh Kumar K Kathir Nilavan R Ms. J Divya	Joint Winner (Rs 50,000)	
29	INAE Innovative Student Project Awards 2022	MEDICRYPT Synthesis of robust defensive image samples by deploying encryption techniques upon simulation of adversarial attacks on medical images	Hemapriya N Jaya Janani A	INAE Innovative Student Project Awards 2022	

30

TNSCST Project 2022

Deep Learning based Cyclone Intensity Estimation using INSAT – 3D IR Imagery

Dharshini N
Jane Ann Elson
Ms. Deepa K

TNSCST Project 2022



The image shows the cover page of a project report. At the top, it features the logo of the Tamil Nadu State Council for Science and Technology. Below the logo, the text reads: 'TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY', 'GOVERNMENT OF TAMILNADU', 'CHENNAI - 600 009'. The project title is 'Deep Learning based Cyclone Intensity Estimation using INSAT - 3D IR Imagery'. The authors listed are 'Dharshini N, Jane Ann Elson, Ms. Deepa K'. The institution is 'St. Joseph's College of Engineering, Palayamkottai'. The report number is '118/2022' and the date is '23.03.2022'. There is a table with columns for 'Sl. No.', 'Name of the Candidate', 'Roll No.', 'Grade', and 'Percentage'. The table lists several candidates and their respective grades and percentages. At the bottom, there is a signature line for the Head of the Council, Dr. S. Srinivasan, and the date '23.03.2022'.





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OMR, Chennai - 119



COLLEGE ACHIEVEMENTS
ACADEMIC YEAR: 2022-2023

MEMORANDUM OF UNDERSTANDING

Between

Worldline Global Services Pvt Ltd

And

St. Joseph's College of Engineering

WORLDLINE 

MEMORANDUM OF UNDERSTANDING

This MoU entered into on this 31st day of January 2023

between

Worldline India Private Limited, a Company registered under the Companies Act, 1956, having its registered office at Raiaskaran Tech Park (formerly known as Logitech Park), 2nd floor of Tower I, Phase II, Sakinaka, M.V. Road, Andheri (East), Mumbai – 400072, India (hereinafter referred to as 'Company') which expression shall unless expressly excluded or repugnant to the subject or context means and includes, its successors and assignees

AND

St. Joseph's College of Engineering and St. Joseph's Institute of Technology, _1994 and 2011 registered under act, having its registered office at **Semmencherry, OMR, Chennai** (hereinafter referred to as 'Institute') which expression shall unless expressly excluded or repugnant to the subject or context means and includes, its successors and assignees

(the Company and Institute are hereinafter collectively referred to as "the Parties" and severally as "the Party")

WHEREAS

The Company is engaged in the business of payment processing services.

The Institute is engaged in the education activities. (Offering Engineering Courses)

Company has come forward to offer its support to the institute to bridge the gap through structured industry-specific training to benefit the students to best use this channel and make their transition smoother and create a strong base for employability.

Worldline Global Services Private Limited

Raiaskaran Tech Park, 2nd Floor, Tower 1, Phase 2, M V Road, Sakinaka,
Andheri (E), Mumbai - 400072, Maharashtra, India.

Phone : +9122-71980000

Email : amit.darji@worldline.com

To Institute

Attn: Centre for Training and Placement

Address : St. Joseph's College of Engineering
Semmencherry, OMR,
Chennai – 119, Tamil Nadu, India

Phone : 9944987560

Email : placement@stjosephs.ac.in

9. LIMITATION OF LIABILITY

Neither party shall be liable for any indirect, incidental, special or consequential damages, or damages for loss of profits, revenue, data or use, incurred by either party or any third party in connection with this MOU or the subject matter of this MOU, whether in an action in contract or tort or any other legal theory, even if the party has been advised of this possibility of such damages.

10. RELATIONSHIP OF THE PARTIES

Neither this MOU, nor any activities described herein, shall be construed as creating a partnership, joint venture, franchise, agency or other such relationship. Neither party is authorized, in any manner, to make any commitment on behalf of or to bind the other Party. Institute acknowledges that certain obligations may require services from sub-contractors.

IN WITNESS WHEREOF, each of the parties hereto have caused this MOU to be duly executed by a duly authorized representative of such party as of the date first above

Worldline India Private Limited



By: Mr. Deepak Chandnani

Executive Chairman,

Worldline India,

South Asia & Middle East

St. Josephs College of Engineering &

St. Josephs Institute of Technology



By: Dr. Vaddi Seshagiri Rao

Principal

INDIA'S BEST ENGINEERING INSTITUTES 2023


After evaluating the quality of students, faculty, learning engagement, infrastructure, graduate outcomes, placements, diversity, and research output, we are pleased to announce that

St Joseph's College of Engineering, Chennai

Has been rated

AAAA

*making it one of the best engineering institutes
in the country in 2023.*



MAHESHWER PERI
EDITOR, CAREERS360

SHL

National Employability Award 2023

presented to

St. Joseph's College of Engineering, Tamil Nadu

for being amongst the top 10% colleges in India that excelled in



The award is based on the performance of final year students in AMCAT.

A handwritten signature in black ink, appearing to read "Himanshu Aggarwal".

Himanshu Aggarwal
Chief Digital Officer, SHL

Year Issued: 2022

Téle : 044-29550078

HQ, NCC Dte (TN, P & AN)
Fort Saint George
Chennai - 600 009

325/MDS 'A'/P&C

13 Dec 2022

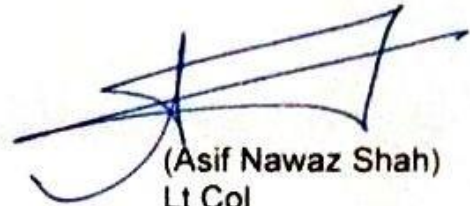
NCC Group HQ
Madras 'A'

WITHDRAWAL/RE-ALLOTMENT OF NCC SUB UNITS

1. Refer your letter No. 105/1/Pers dated 29 Nov 2022.
2. Approval of DDG-TNP&AN is hereby accorded as per the powers delegated by HQ NCC vide their letter No. 8088/NCC HQ/Plg dt 21 Apr 11 for withdrawal /re-allotment of cdt str from within the allotted cdt strength as given under with immediate effect subject the existing terms and conditions to bear the financial implications by State Govt and the Self Finance Institute without any increase of PI Staff/man power. -

Institution from which withdrawn	Cdt Str		Institution to which re-allotted	Cdt Str		Controlling Unit
	Existing	Revised		Existing	Revised	
Sri Sai Ram Institute of Technology, W. Tambaram	52 SD/SW	Nil	St. Joseph's College of Engineering, OMR, Chennai	Nil	52 SD/SW	1 (TN) Med Unit NCC

3. The exact date of raising and completion report of the above Sub Units will be intimated by the unit to all concerned.
4. Please acknowledge.


(Asif Nawaz Shah)
Lt Col
Addl Dir (P&C)
For DDG

Copy to:-

HQ DGNCC (Plg),
New Delhi-66

Directorate of Collegiate Edn,
Chennai-6

- For info

✓ 1 (TN) Med Unit NCC

- For info and necessary action.

Internal:-

State Cell & Pers Branch

Telephone : 25363505
e-mail: 1.tn.med.unit@gmail.com



1 (TN) Medical Unit NCC
Madras Medical College
Park Town, Chennai - 03

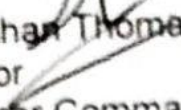
06 Jan 2023

No. 105/Trg

The Principal,
St. Joseph's College of Engineering,
OMR, Chennai

RAISING OF NCC COY

1. Reference:
(a) NCC Dte (TN,P&AN) letter No. 325/MDS 'A'/P&C and 325/MDS 'A'/P&C(i) dated 13 Dec 2022
(b) NCC Gp HQ Madras 'A' letter No. 105/1/Pers dated 16 Dec 2022.
2. Approval has been accorded by the DDG NCC (TN,P&AN) raising of NCC Coy in your Institution vide NCC Directorate (TN,P&AN), Chennai - 09 letter No. 325/MDS 'A'/P&C dated 13 Dec 2022.
3. It is intimated that the exact date of raising may please be forwarded to this unit on or before 09/01/2023 for onward submission to NCC Gp HQ.


(Joshan Thomas)
Major
Officer Commanding

Encl.: 02 Copies

Recognized Skill Hub under PMKVY 4.0 Scheme



The banner features the Government of India logo, N-S-D-C logo, and Skill India logo. It includes a portrait of Prime Minister Narendra Modi and the text 'PMKVY प्रधानमंत्री कौशल विकास योजना'. A red bar at the bottom contains the grant amount.

सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP

N·S·D·C
National
Skill Development
Corporation
Transforming the skill landscape

Skill India
कौशल भारत-कुशल भारत

PMKVY
प्रधानमंत्री कौशल विकास योजना

Total Grant Sanctioned is
Rs. 17 Lakhs

Nodal Centre under AICTE-SPDP Scheme

**Skill and Personality
Development
Programme Centre
(SPDP) for SC/ST
Students**

Total Grant
Sanctioned is
Rs. 9.30 Lakhs

WORLD'S TOP

2%

SCIENTISTS' LIST
STANFORD UNIVERSITY

Listed in top
2% Scientists
in the
Word 2023

RESEARCH PROJECTS ONGOING

Funding Agency	Details of the Funded Project	Amount	Co-Ordinators (Dept.)	Year
DST-FIST	Sustainable nanoparticle for futuristic application.	71,00,000	BIO/MECH	2022-23
ISRO	Extraction of Buildings from Satellite Imagery of Urban Area through Transfer learning of Deep Learning Networks.	19,82,000	ECE	2021-23
PMKVY 4.0	Skill Development	17,00,000	CSE	2022-26
SERB - CRG	Development of multi-spectral (Thermal/Visible) Imaging system for Fever screening in Crowded places for Detection of Infectious Diseases.	11,61,629	CSE	2020-23
SERB - MATRICS	Development of Adaptive filtering algorithms for Graph Signal Processing problem.	6,60,000	CSE	2022-25
SERB - MATRICS	Analysis of power electronic inverter and drive using discrete event system approach	6,60,000	EEE	2023-26
AICTE – RPS	A novel Artificial Intelligence based approach for Automatic evaluation of Speech disorder and treatment effects for Aphasia patients.	5,36,000	CSE	2021-23
ART PARK-Student Innovation grant Program, IISC.	Robocap-AI Based Surveillance Robot.	3,95,000	ECE	2022-23
ART PARK-Student Innovation grant Program, IISC.	Artificial Intelligence Based Integrated and Distributed System for Preventing Covid-19 Spread using Deep learning.	3,50,000	CSE	2022-23
Tamil Nadu State Forest Department	Polyherbal Infused Chitosan Films for Seed Storage.	3,00,000	BIO	2022-23
IIC, NIC 2020	Micro Level Power Management System.	3,00,000	ECE	2022-23
TNSCST	Students Project Scheme	52,500	MECH, ECE, IT, BIO	2023
MSME	Idea Hackathon 2023	45,00,000	ECE, IT, BIO, CSE	2023