

Faculty Achievements



Dr. K. Siva, Head/Mechanical recognized as Secretary of SAE INDIA Southern Section and Chairman of Coimbatore division



Dr M Mohanraj Recognized as Top 2% scientists by Stanford University USA for the consecutive 6th time



Dr. K. Siva and Dr. Y. Rasmathew Mentors got MSME Hackathon fund of Rs 26.5 Lakhs



Granted Utility patents– 3, Granted Design patents– 5, UK Granted Design patents– 5



4 Project Grants under TNSCST and Naan Mudhalvan Scheme from Tamilnadu Govt of Rs.40,000/-



Dr.M.Mohanraj got seed money of Rs 0.75L and Dr.L.Karthick got seed money of Rs 1.6L for Research work



Dr. K. Siva and Dr. Y. RasMathew Mentors received more than 8 Lakhs from National level Vehicle Building Competitions



Dr. K. Siva, Dr. M. Mohanraj, Dr. J. Manikandan, Dr. P. Jeyalakshmi and Dr. S. Kannan are Anna University Recognized Supervisors



13 Faculty members are Doctorates and 2 Faculty members received Ph.D during the assessment period



Dr L Karthick received Appreciation award from Anna University for Publishing Research Paper in Q1 Journal



More than 50 courses completed by faculty in the field of Engineering and Technology in NPTEL, Coursera etc.
Dr P Jeyalakshmi, Professor completed NPTEL Certificate course and listed in Elite Category



More than 135 Publications, 9 Books and 6 Book Chapters published during assessment period



146 Faculty Development Program & STTP attended by the faculty members



5 Consultancy projects and 5 Industry Sponsored research projects carried

Glimpses of Faculty Awards from SAE INDIA

SAEISS 'Leadership award' for acting as Secretary SAEISS from the year 2022-2024



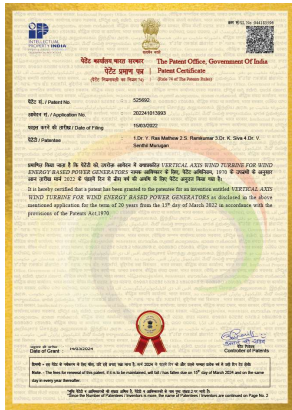
SAEISS 'Leadership award' for acting as Treasurer SAEISS in the year 2022



SAEISS Coimbatore division 'Leadership award' for acting as chairman of Coimbatore division by SAE INDIA Southern section in the year 2022

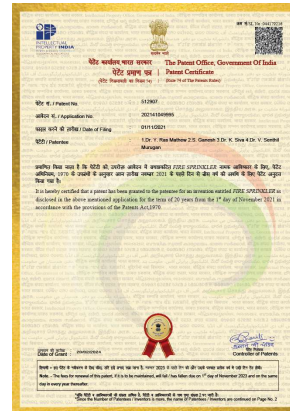
Faculty Achievements – Utility Patent Grants

“Vertical axis wind turbine for wind Energy based power generators”
Application number 202241013993



Dr. K. Siva

“Fire Sprinkler”
Application number 202141049995



“Magnetite Embedded Biochar as Nano-sorbent for effective adsorption of textile dye and the method thereof”
Patent number 540759



Dr. V. Senthilmurugan



Dr. Y. Rasmathew



Mr. S. Ramkumar



Dr. C. Nithyanandam

Faculty Achievements – Design Patent Grants

“Compact Cardiac Defibrillator Device”
Design number 394649-001



“Enhanced wind turbine controller for variable wind conditions”
Design number 405393-001



“Automatic Adjustable Seed Sowing Machine”
Design number 367588-001



“Multi arm and multi directional Rotating base 3d printing device”
Design number 367925-001



Dr. L. Karthick



Dr. J. Manikandan



Mr. S. Sivakumar Mr. A. Sasikumar Dr. V. Senthilmurugan Mr. C.A. Jagadish



Dr. L. Karthick




Mr. S. Vidyaprakash

“IoT Based Smart Flask”
Design number 388446-001

Faculty Interaction Outside the World

www.saeindia.org/saeindia/saeindia_south/saeindia_south.html



Home SAE International SAEINDIA SAEINDIA South

Governing Council

You are here: Home / SAEINDIA Southern Section / Governing Council

Sl.No	Name & Affiliation	Position In SAEISS
1	R.Rajencran Professor SRM Institute of Science and Technology	Chairman
2	Ganesh Dharman Sr. Manager, Design Studio CLA Electric Technologies Ltd	Vice Chairman
3	Dr.K.Siva Dean/Innovation, Incubation and Startup Professor & Head Hindusthan College of Engg & Technology	Secretary

Dr.K.Siva - Secretary
GOVERNING COUNCIL
SAE INDIA SOUTHERN SECTION
(Prof/Mech/HICET)

www.saeindia.org/division-management-committee-coimbatore/



Home SAE International SAEINDIA SAEINDIA South

Division Management Committee – Coimbatore

You are here: Home / Division Management Committee – Coimbatore

Sl.No	Name & Affiliation	Position In SAEISS
1	Dr.K.Siva Professor and Head Department of Mechanical Engineering Hindusthan College of Engineering and Technology	Chairman
2	Dr.Y.Rasmathew Associate Professor Department of Mechanical Engineering Hindusthan College of Engineering and Technology	Secretary

Dr.K.Siva – Chairman & Dr.Y.Rasmathew - Secretary
DIVISION MANAGEMENT COMMITTEE
SAEISS – COIMBATORE
(Prof/Mech/HICET)

www.saeindia.org/division-management-committee-coimbatore/

Section Management Committee

You are here: Home / SAEINDIA Southern Section / Section Management Committee

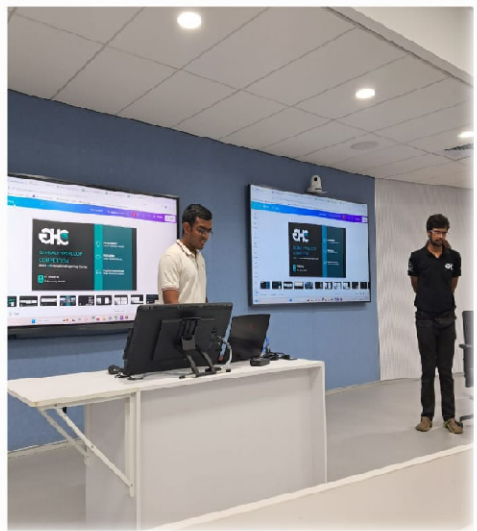
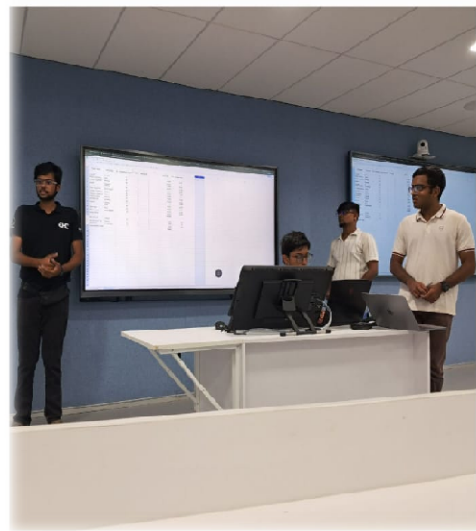
Sl.No	Name & Affiliation	Position In SAEISS
1	R.Rajendran Professor SRM Institute of Science and Technology	Chairman
2	Mr. R. A. Armstrong Director RAA Associates Pvt Ltd	Past – Chairman
3	Ganesh Dharman Sr. Manager, Design Studio CLA Electric Technologies Ltd	Vice – Chairman
4	Dr.K.Siva Dean/Innovation, Incubation and Startup Professor & Head Hindusthan College of Engg & Technology	Secretary

Dr.K.Siva - Secretary
MANAGEMENT COMMITTEE
SAE INDIA SOUTHERN SECTION
(Prof/Mech/HICET)

Glimpses of Hyper loop Competition @ IIT Madras




Dr.K.SIVA
Member - Hyper loop Organising Committee -IIT MADRAS



World 2% Scientist Consecutively for 6yrs

Energy Manager

Journals Reviewer



Mohanraj, M.





Hindusthan College of Engineering & Technology, IIND

Year 2023 Rank: 34699

Main Field: Enabling & Strategic Technologies
H-index: 13, **Hm-index:** 8.94

Sub Field: Energy
Rank in the SubField: 895 out of 31299 authors

Top 2% Listed Year(s): 2024 2022 2021

<https://TopResearchersList.com/>

Serial No. 8873



CERTIFIED ENERGY MANAGER
(Under Energy Conservation Act 2001 (52 of 2001))



Name : MOHANRAJ MURUGESAN
 Father's Name : MURUGESAN
 Reg. No : EA-29132
 Year of Passing : Sep-17
 Date of Issue : 23.03.2018


 Signature of the Holder


 Issuing Authority Secretary (BEE)

Science and Engineering of Composite Materials
Ciência & Tecnologia dos Materiais - Journals - Elsevier
Journal of Technological Innovations in Renewable Energy
International Journal of Energy Research (John Wiley)
International Journal of Energy (Elsevier)
International Journal of Applied Energy (Elsevier)
International Journal of Measurements (Elsevier)
International Journal of Thermal Sciences (Elsevier)
Renewable and Sustainable Energy Reviews (Elsevier)
Energy Conversion and Management (Elsevier)
International Journal of Refrigeration (Elsevier)
Sustainable Energy Technologies and Assessments (Elsevier)
Chemical Engineering Research and Design (Elsevier)
Applied Thermal Engineering (Elsevier)
Energy and Buildings (Elsevier)
Journal of Alloys and Compounds (Elsevier)
Vacuum (Elsevier)
Experimental Thermal Sciences (Elsevier)
Journal of Clear Production (Elsevier)
Materials and Design (Elsevier)
Mechatronics (Elsevier)
Solar Energy (Elsevier)
Science Bulletin (Elsevier)
International Journal of Heat and Mass Transfer (Elsevier)
Case studies in Thermal Engineering (Elsevier)
Advances in Mechanical Engineering (Sage Publishers)
Journal of Scientific and Industrial Research (CSIR)
Journal of Engineering Science and Technology (Taylors University Journal)

Hindusthan College professor listed among World's top 2% scientists !

November 23, 2020 CovaiMail Education Comments Off



BUREAU OF ENERGY EFFICIENCY

Certificate Registration No. EA-29132 Serial Number: 10001

Certificate For Certified Energy Manager

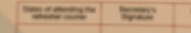
This is to certify that **MR.MR.M. MOHANRAJ MURUGESAN** who has passed the national examination for certification of energy manager held in the month of **September 2017** is qualified as certified energy manager subject to the provisions of Bureau of Energy Efficiency (Certification Procedure for Energy Manager) Regulations, 2017.


This certificate shall be valid for five years with effect from the date of issue of this certificate and shall be renewable subject to attending the prescribed refresher training course once in every five years.

His name has been entered in the Register of certified energy manager at Serial Number **10001** being maintained by the Bureau of Energy Efficiency under the above regulations.

MR.MR.M. MOHANRAJ MURUGESAN is deemed to have qualified for appointment as assistant energy manager under clause (c) of Section 14 of the Energy Conservation Act, 2001 (Act No. 52 of 2001).

Done under the seal of the Bureau of Energy Efficiency, on **23.03.2018**


 Signature of the Holder


 Signature of the Issuing Authority

Faculty Interaction Outside the World - Dr.M.Mohanraj

YESSENOV UNIVERSITY Kazakhstan



SATBAYEV UNIVERSITY Kazakhstan



AL-FARABI KAZAKH NATIONAL UNIVERSITY Kazakhstan



Research Facilities developed by Faculty



Development of Solar driers



Ambient source heat pumps for space heating application



Development of Evaporative coolers



Development of HDH Desalination systems



Performance Improvement of Solar Air Heater



Development and Testing of High Temperature Heat Pumps for Drying of Selected Fruits and Vegetables



Development and testing of solar photovoltaic water pumping systems



Development of Cold storage for high value food products



Development of solar assisted heat pump using packed bed collector



Development of heat pump assisted regenerative solar still



Development testing and standardization of heat pump water heaters using solar photovoltaic-thermal hybrid evaporators

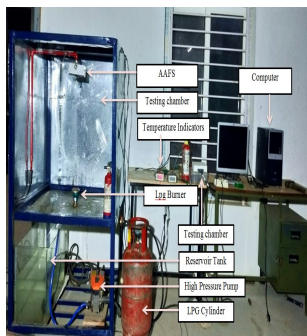


Testing of Chillers using low global warming refrigerants

Research Facilities developed by Faculty



Dr. Siva K
MODROB (Modernization and Removal of Obsolescence) for CAD/CAM Lab



Dr Rasmathew Y
Development of test rig to study the performance of fire sprinkler



Dr Rasmathew Y
Development of free piston engine



Dr Rasmathew Y
Development of compact solarcar as future concept vehicle



Dr Rasmathew Y
Development of compact hybrid tricycle as future concept vehicle



Dr Rasmathew Y
Design of coconut shell cutter



Dr. J Manikandan
Design an automobile Products using Dates seed powder with low cost using 3D Printing



Dr. C Nithyanandam
Design of Low-cost mould by Fibre Reinforced Polymer (FRP) using 3D Printer



Dr. M Mohanraj
Testing of Chillers Using Low Global Warming Refrigerators



Dr. M Mohanraj
Development of heat pump assisted desalination system



Dr. M Mohanraj
Solar Dryer



Dr. M Mohanraj
Testing of domestic refrigerator using low global warming refrigerants

Faculty Achievements



Best Teacher Senior - Dr.M.Mohanraj



Dr. Y. Ras Mathew - Dronacharya Award



Dr.C.Nithyanandam
Completion of More Number of Courses



Dr.L.Karthick
Best Teacher Junior



Dr. L Karthick
Appreciation for Publishing
Research Paper in Q1 Journal

Faculty Achievements



**2020-2021 & 2023-2024
BEST NSS PROGRAMME OFFICER
ANNA UNIVERSITY, CHENNAI**

TAMILNADU CONTINGENT LEADER

- National integration camp – Sikar Rajasthan March-2024
- NSS SOUTH ZONE PRE REPUBLIC DAY PARADE CAMP – November 2024
- My bharath – National level 2 days workshop organised



**Mr.N.Prasannavenkatesan
AP/MECH/HICET**



Events Organised – IPR, TN Govt Funded Seminar & Workshop

Hindusthan
College of Engineering and Technology
An Autonomous Institution, Coimbatore - 641032

Department of Mechanical Engineering

Organize the TNSCST sponsored
One Day Seminar on
"INTELLECTUAL PROPERTY RIGHTS,
START-UP & INNOVATIONS"
(IIC Self Driven Activity)

Date
23 February 2024

Time
10:00 am

Ganga Hall

Resource Person
Dr. N.Nagarajan, B.E., M.E., Ph.D
Technical Director & Lead Patent Analyst
NSKD Techno Research and Innovation Solution
Dharmapuri.

Co-ordinators
Dr. K.R.Sakthivel, ASP/Mech
Mr. C.A.Jagadish, AP/Mech

Convenor
Dr. K.Siva
Dean IS and IOD-Mech

Patrons
Dr. K.Karunakaran - CEO
Dr. J.Jaya - Principal



Hindusthan
College of Engineering and Technology
An Autonomous Institution, Coimbatore - 641032

Department of Mechanical Engineering

Organize the TNSCST sponsored
Workshop On
INTELLECTUAL PROPERTY RIGHTS
(IIC Self Driven Activity)

Date
30 March 2024

Time
09:30 am

Ganga Hall

Resource Person
LION PRABHUNARAIN S.
IPR CONSULTANT
Gagnant Financial & Legal Consultants LLP and
GAGNANT GROUPS,
Coimbatore.

Co-Ordinators
Dr. K.R.Sakthivel, ASP/Mech
Mr. C.A. Jagadish, AP/ Mech

Convenor
Dr. K.Siva
Dean IS and IOD-Mech

Patrons
Dr. J.Jaya - Principal
Dr. K.Karunakaran - CEO



International Seminar Organised

HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
AN AUTONOMOUS INSTITUTION, APPROVED BY AICTE, ACCREDITED WITH NSA,
ACCREDITED WITH "A++" GRADE BY NAAC
COIMBATORE-32

DEPARTMENT OF MECHANICAL ENGINEERING

Imele Shiksha

"Embrace global career opportunities with James Cook University, Singapore"

Resource Persons

Mr. Jay Shah
Regional manager Partnership
01/04/2024
Coordinator
NAZEER AHAMED A
AP/MECH
Dr. J. JAYA
Principal

Mr. Pon Kartikeyan
Recruitment manager South Asia
Venue
GANGA HALL
Convener
Dr. K. SIVA
HOD/MECH
DEAN-IS
Dr. K. KARUNAKARAN
CEO

THE 2 PM - 4.30 PM

PATRONS



HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
AN AUTONOMOUS INSTITUTION, APPROVED BY AICTE, ACCREDITED WITH NSA,
ACCREDITED WITH "A++" GRADE BY NAAC
COIMBATORE-32

DEPARTMENT OF MECHANICAL ENGINEERING

Invites you all for
International Seminar on

"Aperiodic Tilings: From Penrose to the Einstein problem and the Monotile"

Dr. Alex Clark
Professor
Queen Mary University of London
London

07/02/24

2 PM - 4.30 PM

Kurinj Hall

Coordinator
NAZEER AHAMED A
AP/MECH

Convener
Dr. K. SIVA
HOD/MECH
DEAN-IS

PATRONS
Dr. J. JAYA
Principal
Dr. K. KARUNAKARAN
CEO



BIS Club Activities



VXRR+7M9, Malumichampatti, Tamil Nadu 641050, India

Latitude 10.89060235° Longitude 76.991619°
 Local 11:19:48 AM Altitude 376 meters
 GMT 05:49:48 AM Wednesday, 11.10.2023

Hindusthan
College of Engineering and Technology
An Autonomous Institution

Department of Mechanical Engineering
Organises a
Workshop on
CAPACITY BUILDING FOR MECHANICAL ENGINEERING STUDENTS

Mr. Karthik Rengarajan
Institutional Head & Entrepreneur
Study Abroad for Students
Coimbatore

VENUE: MARUTHAM HALL
DATE: 25.10.2024
TIME: 9.30 AM

Convenor
Dr. K. Siva,
DEAN IIS
Professor and Head,
Department of Mechanical Engineering

Coordinators
Mr. S. Sivakumar,
Assistant Professor,
Mr. D. Prabhu,
Assistant Professor,
Department of Mechanical Engineering

Patrons
Dr. J. Jaya
Principal, HICET

Dr. K. Karunakaran
Chief Executive Officer,
Hindusthan Institutions



VXRR+7MM, Malumichampatti, Tamil Nadu 641050, India

Latitude 10.89153195° Longitude 76.99068641°
 Local 12:42:18 PM Altitude 369 meters
 GMT 07:12:18 AM Friday, 15.03.2024



VXRR+4H5, Hindusthan College Rd, Malumichampatti, Tamil Nadu 641050, India

Latitude 10.89025724° Longitude 76.99144518°
 Local 11:36:17 AM Altitude 376 meters
 GMT 06:06:17 AM Thursday, 12.10.2023



Hindusthan College of Engineering and Technology, Coimbatore

Department of Mechanical Engineering

FACULTY ACHIEVEMENTS



About Mechanical Department

The mission of the Department of Mechanical Engineering is to produce mechanical engineering graduates who will possess the acumen, competence, and skills needed to enter, succeed, and lead in professional practice or post-graduate studies. The goal is to provide learning and nurturing environment that stimulates faculty and students to collaborate in solving practical problems, motivate lifelong learning, and help reach their highest potential.

Mechanical Engineering is one of the most creative, broadest and most versatile of the engineering professions. Mechanical Engineers have initiated and implemented commendable progress in innovative areas like robotics, vibration control, energy conversion, energy management, fluid dynamics, power production, manufacturing, computer-aided design, machine design, and material science. Collectively, the faculty has practical experience of solving real problems in these areas and with this experience they help students develop as transformational leaders in Engineering.

The Department of Mechanical Engineering offers one program of undergraduate study. The traditional program leads to Bachelor's Degree in Mechanical Engineering, which is a more structured program that prepares students for a broader range of career options in the field of mechanical engineering. It is intended for students whose career objectives require greater flexibility in order to combine the essential elements of traditional mechanical engineering discipline. We have a post graduate programme in CAD/CAM. We have a sincere, dedicated, well qualified and experienced faculty team having a wide range of specialisations. It is proud to say that around 15 faculty are having more than 10 years of experience in our department. With the high profile faculty members, we provide immense guidance for the students in working out innovative projects and carry out vibrant professional society activities. We have a very active and dynamic SAE club comprising of around 200 student members. We are indeed delighted to mention that our SAE team got selected for both SAE-Efficycle and SAE-Baja for the 2014-2015 editions. The department has a full fledged research centre with 6 Ph.D holders and 15 research scholars. The approved supervisors are very keen and actively guiding local faculty and faculty from other institutions.

FACULTY INTERNATIONAL EVENT

Dr K.Siva Professor and Head of Mechanical department was sponsored to attend ‘SAE world congress X (WCX)’ at Detroit, USA by SAEISS on April 20th 2019.



FACULTY AWARDS

Dr K.Siva Professor and Head of Mechanical Department is honoured with SAEISS Coimbatore division Leadership award from SAE International President Paul Mascarenas on 24th June 2019 at Chennai.



Dr Y.Ras Mathew Assistant Professor is honoured with SAEISS Coimbatore division **Leadership award** from SAE International President Paul Mascarenas on 24th june 2019 at Chennai.



Dr K.Siva Professor and Head of Mechanical Department, Hindusthan College of Engineering and Technology is honoured with SAEISS Coimbatore division Chairman, **Leadership award** from SAE India Southern Section on 16th October 2022 at Chennai.

Dr K.Siva Professor and Head of Mechanical Department, Hindusthan College of Engineering and Technology is honoured with SAEISS Treasurer, **Leadership award** from SAE India Southern Section on 16th October 2022 at Chennai.



Dr Y.Rasmathew, Associate Professor of Mechanical Department, Hindusthan College of Engineering and Technology is honoured with SAE Coimbatore Division Treasurer, **Leadership award** from SAE India Southern Section on 16th October 2022 at Chennai.





Dr. Y. Ras Mathew, Assistant Professor received Dronachariyar Award by SAEINDIA in the SAE EFFICYCLE competition-2019.

Dr. Y. Ras Mathew, Assistant Professor received Dronachariyar Award by RSTE in the SUVC competition-2020.

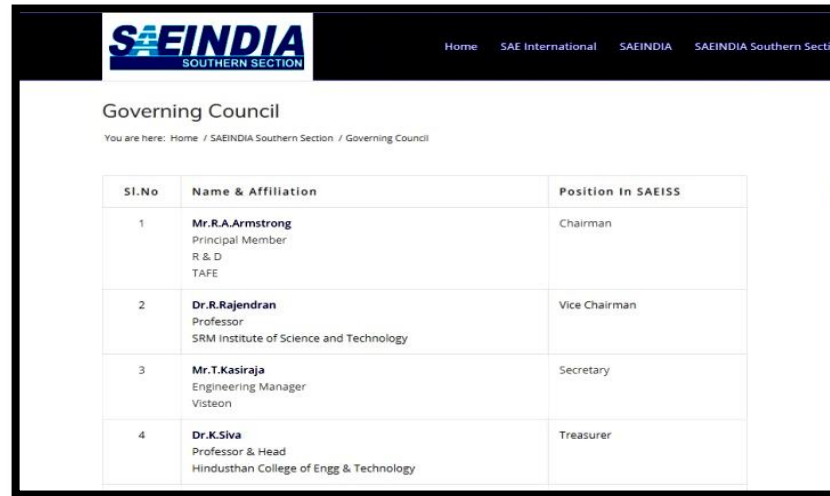
Dr.K.Siva, HOD of Mechanical Department received Appreciation Award for SAUR URJA VEHICLE/ solar vehicle challenge event hosted at Hindusthan College of Engineering and Technology on March 1st 2020.



Dr.K.Siva, HOD of Mechanical Department received Appreciation Award for SAUR URJA VEHICLE/ solar vehicle challenge event hosted at Hindusthan College of Engineering and Technology on March 3rd 2019.



Dr.K.Siva, HOD of Mechanical Department elected as Treasurer for SAEINDIA Southern Section Management Committee for the term 2020-2022.

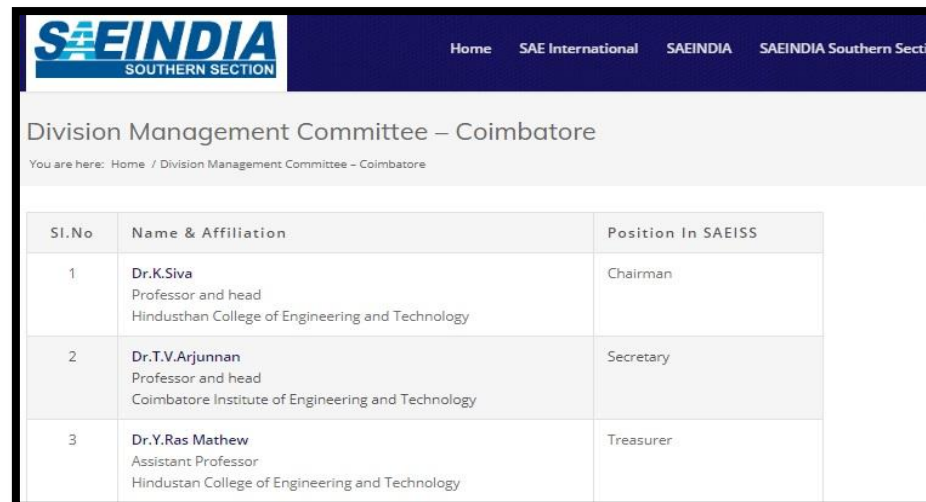


The screenshot shows the SAEINDIA Southern Section website. The header includes the SAEINDIA logo and navigation links: Home, SAE International, SAEINDIA, and SAEINDIA Southern Section. The main content area is titled "Governing Council" and includes a breadcrumb trail: "You are here: Home / SAEINDIA Southern Section / Governing Council". Below this is a table listing the members of the Governing Council.

Sl.No	Name & Affiliation	Position In SAEISS
1	Mr.R.A.Armstrong Principal Member R & D TAFE	Chairman
2	Dr.R.Rajendran Professor SRM Institute of Science and Technology	Vice Chairman
3	Mr.T.Kasiraja Engineering Manager Visteon	Secretary
4	Dr.K.Siva Professor & Head Hindusthan College of Engg & Technology	Treasurer

Dr.K.Siva, HOD of Mechanical Department elected as Chairman for SAEINDIA Coimbatore Management Committee for the term 2020-2022.

Dr.Y.Rasmathew, Assistant Professor of Mechanical Department elected as Treasurer for SAEINDIA Coimbatore Management Committee for the term 2020-2022.






The screenshot shows the SAEINDIA Southern Section website. The header includes the SAEINDIA logo and navigation links: Home, SAE International, SAEINDIA, and SAEINDIA Southern Section. The main content area is titled "Division Management Committee – Coimbatore" and includes a breadcrumb trail: "You are here: Home / Division Management Committee – Coimbatore". Below this is a table listing the members of the Division Management Committee – Coimbatore.

Sl.No	Name & Affiliation	Position In SAEISS
1	Dr.K.Siva Professor and head Hindusthan College of Engineering and Technology	Chairman
2	Dr.T.V.Arjunnan Professor and head Coimbatore Institute of Engineering and Technology	Secretary
3	Dr.Y.Ras Mathew Assistant Professor Hindusthan College of Engineering and Technology	Treasurer

Dr.K.Siva, HOD of Mechanical Department elected as Secretary for SAEINDIA Southern Section Management Committee for the term 2022-2024

The screenshot shows the SAEINDIA Southern Section website. The header includes the SAEINDIA logo and navigation links: Home, SAE International, SAEINDIA, SAEINDIA Southern Section, and Contact Us. The main content area is titled "Governing Council" and lists three members in a table. A sidebar on the right shows a menu with options like "Governing Council", "Section Management Comr", "Section Execution Council", "Section Office", and "Division Management Comr".

Sl.No	Name & Affiliation	Position in SAEISS	
1	R.Rajendran Professor SRM Institute of Science and Technology	Chairman	
2	Ganesh Dharmar Sr. Manager, Design Studio OLA Electric Technologies Ltd	Vice Chairman	
3	Dr. K.Siva Professor & Head Hindusthan College of Engg & Technology	Secretary	

Dr.K.Siva, HOD of Mechanical Department elected as Chairman for SAEINDIA Coimbatore Management Committee for the term 2022-2024.

Dr.Y.Rasmathew, Associate Professor of Mechanical Department elected as Secretary for SAEINDIA Coimbatore Management Committee for the term 2022-2024.

The screenshot shows the SAEINDIA Southern Section website. The header includes the SAEINDIA logo and navigation links: Home, SAE International, SAEINDIA, and SAEINDIA S. The main content area is titled "Division Management Committee – Coimbatore" and lists three members in a table.

Sl.No	Name & Affiliation	Position in SAEISS	
1	Dr. K.Siva Professor and Head Department of Mechanical Engineering Hindusthan College of Engineering and Technology	Chairman	
2	Dr. Y.Rasmathew Associate Professor Department of Mechanical Engineering Hindusthan College of Engineering and Technology	Secretary Secretary	
3	Dr. A.Vadivel Assistant Professor Sri RamaKrishna Engineering College	Treasurer	

Mechanical Engineering department in collaboration with RSTE organized 5 days National level 'SOLAR VECHILE DESIGN COMPETITION' in the college campus. 3rd March 2020 to 8th March 2020



Mechanical Engineering department in collaboration with RSTE organized 5 days National level 'SOLAR VECHILE DESIGN COMPETITION' in the college campus. 27th Feb 2019 to 3rd Feb 2019



Best NSS Officer



Mr.N.Prasannavenkatesan , Assistant Professor / Mechanical awarded as a Best NSS officer by ANNA University Chennai.

Hindusthan College professor listed among World's top 2% scientists !

November 23, 2020 CovaiMail Education Comments Off



#News | **THE COVAI MAIL** | www.covaimail.com   

Prof.M.Mohanraj of Mechanical Engineering Dept from Hindusthan College of Engineering and Technology, Coimbatore (HCET) is listed among the World's Top 2% scientists in the field of Energy.



Four consecutive years of being listed in the world's Top 2% Scientists list published by Stanford University

(2019, 2020, 2021 & 2022)

Prof.M.Mohanraj of Mechanical Engineering Dept from Hindusthan College of Engineering and Technology, Coimbatore (HCET) is listed among the World's Top 2% scientists in the field of Energy.

HCET shared this news on Monday in a statement mentioning that Prof.Mohanraj is featured among the elite few global scientists' rank list that was released recently by US based Stanford University. The statement further mentioned that Prof.Mohanraj has published 75+ Research Articles in the field of Energy Engineering, Material Science etc.,

Sarasuwathi Khannaiyann, Managing Trustee and Priya Satish Prabu, Executive Trustee and Secretary, Hindusthan Educational and Charitable Trust and Karunakaran, CEO, Hindusthan Educational Institutions congratulated him.

Faculty Interaction outside the world



Yesseneov University
Almaty, Republic of Kazakhstan



Satbayev University
Almaty, Republic of Kazakhstan



Al-Farabi Kazakh National University
Almaty, Republic of Kazakhstan



Delivering Lecture in Satbayev University



Collaborative Research project on Geothermal Heat pumps



Collaborative Research project on Two stage Cascade Heat pump for space Heating





Hindusthan Educational Institutions

Valley Campus, Coimbatore - 641032

Teachers Day Award 2021

This Certificate is Proudly Presented to


Dr M Mohanraj, Prof./Mech

*for his exemplary performance under the Category of
Best Research Paper Award in the Academic Year 2020-21*



Dr M Mohanraj
Prof./Mech

Hindusthan College of Engineering and Technology


Dr K Karunakaran
Chief Executive Officer



Hindusthan Educational Institutions

Valley Campus, Coimbatore - 641032

Teachers Day Award 2021

This Certificate is Proudly Presented to


Dr M Mohanraj , Prof./Mech

*for his exemplary performance under the Category of
Best Teacher Award(Senior) in the Academic Year 2020-21*



Dr M Mohanraj
Prof./Mech

Hindusthan College of Engineering and Technology


Dr K Karunakaran
Chief Executive Officer





Hindusthan Educational Institutions

Valley Campus, Coimbatore - 641032

Teachers Day Award 2021

This Certificate is Proudly Presented to


Dr L Karthic, AP/Mech

for his exemplary performance under the Category of
Best Teacher Award(Junior) in the Academic Year 2020-21



Dr L Karthic
AP/Mech

Hindusthan College of Engineering and Technology


Dr K Karunakaran
Chief Executive Officer

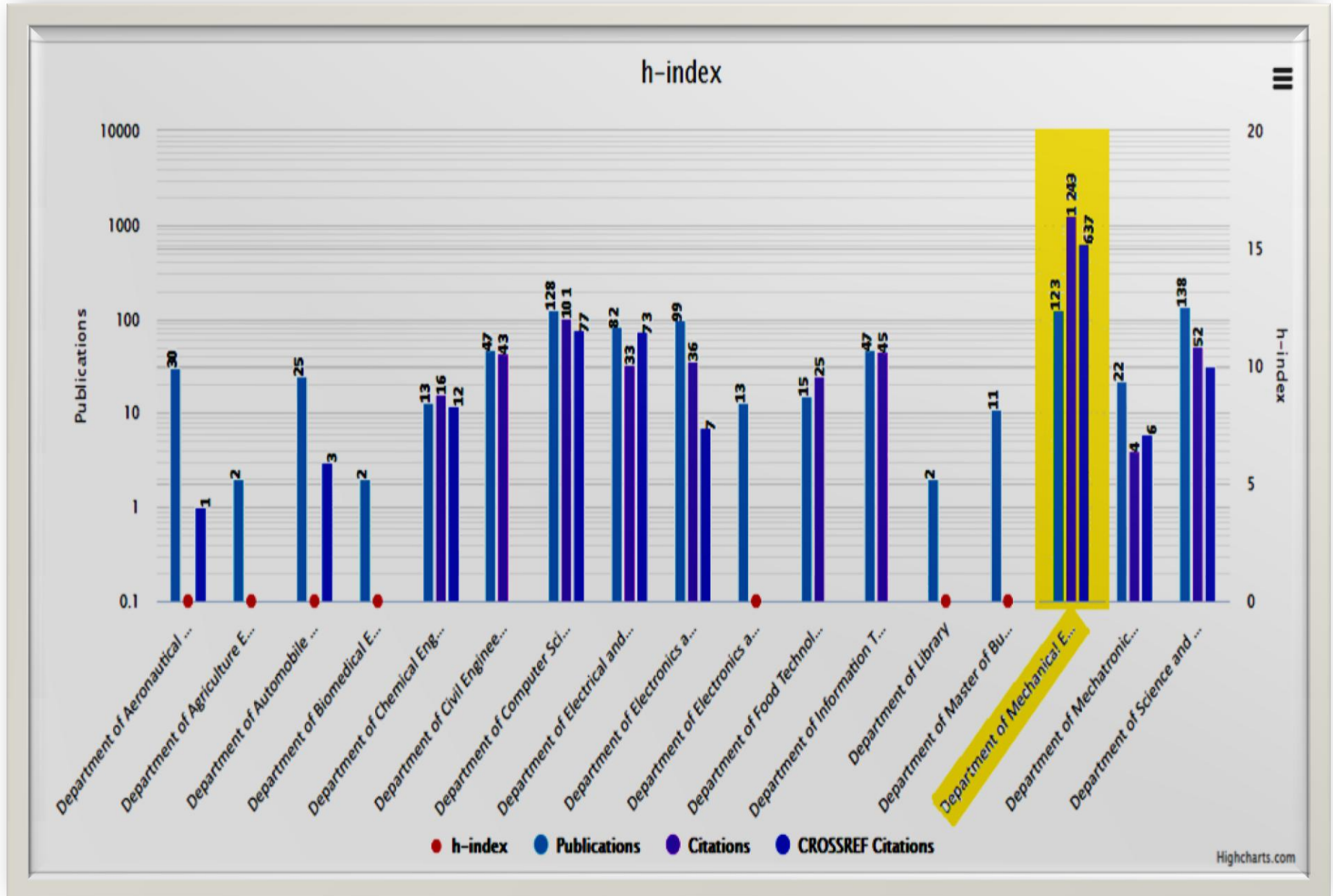


Dr.C.Nithyanandam, Associate Professor in Department of Mechanical Engineering got **Best Appreciation Award** for Completion of More Number of Courses in the Academic Year 2020-21.





Mechanical Department Faculty – h Index



Faculty Publications

Title	Journals
No. of A-I / A-II and SCI/ESCI Indexed Publications	53
No. of Scopus / UGC Care Publications	53
Others (Non SCI / IEEE Conference / IET Conferences, Books / Book's Chapter)	29
Total	135

Overall Department Google Scholar Citations	Citations	h-index	i-10 index
	4500+	34	70+

Highest Citations	4500+
Highest h- index	34
Highest i10 index	70+
Highest Impact factor	17.0
Average Impact Factor	6

Citation Details- Faculty

S.No.	Name of the Faculty	Citations	h- Index	i10 - Index
1	Dr. K. Siva	235	8	6
2	Dr. M. Mohanraj	4399	34	60
3	Dr. J. Manikandan	11	2	0
4	Dr. P. Jeyalakshmi	29	2	1
5	Dr. S. Kannan	61	4	2
6	Dr. C.Nithyanandam	10	2	0
7	Dr.V.Senthilmurugan	51	3	2
8	Mr. D.Amalraju	27	1	1
9	Mr. L.Karthick	54	4	1
Total		4877	60	73

MSME - Funded Incubator Ideas

S.No	Name of the Incubatee	Proposed Project Idea of Innovation	Project Cost
1	Ms.Jayanthi S	Smart Coconut Harvesting Device	12.5 Lakhs
2	Dr.Ras Mathew Yanose	Tail Guided Vertical Axis Wind Turbine	14.0 Lakhs
3	Mr.M.Yavana Chandran	Advanced Welding Holder	5.20 Lakhs
4	Mr.Surya Narayanan	Portable Water Purifier	6.00 Lakhs

AICTE/MODROBS

S.No.	Title of the Project	Name of the Principal Investigator with designation	Cost in Rs. (Lakhs)
1	Modernisation & Removal of Obsolescence in CAD/CAM Lab	Dr.K. Siva Professor and Head	9.47 Lakhs



SMART INDIA HACKATHON 2022

ACHIEVEMENTS

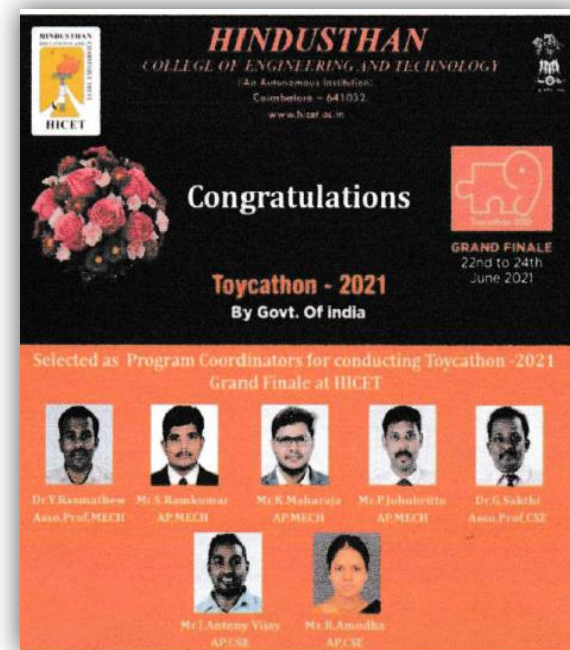
Mentor: Dr.Y.Rasmathew





TOYCATHON 2021 ACHIEVEMENTS



TOYCATHON Host Team



Grand Finale Participants

S.No	Student Members Name	Title of the Project	Faculty Mentor
1.	Souravdas K M (Leader) J.Sam Morris Sharaf Amen Firoz Rahul Prasad R B Sreeram Karipurath	Surya Namask ar Guru Toy	Mr.D.Amalraju 
2.	P. Ratheesh (Team Leader) M. Shyam Sundar L. Raveen Sahas MG	Ancient Rishi Toy	Dr. P.Jeyalakshmi
3.	P. Ratheesh (Team Leader) M. Shyam Sundar L. Raveen Sahas MG	Eco friendly Home	Dr. P.Jeyalakshmi 

Funded Projects / Consultancy

Name of the Faculty	Project Title	Funded / Research/ Consultancy	Funding Agency	Amount in Lakhs	Duration
Dr.M.Mohanraj (CO-PI)	Development and Testing of Solar auto cascade heat pump for water heating applications	Research	Centre for Science & Technology, Evaluation Republic of Kazakhstan,.	62	3
Dr.M.Mohanraj (CO-PI)	Development testing and standardization of heat pump water heaters using solar photovoltaic-thermal hybrid evaporators	Research	DST	38.5	3 years
Dr.K.Siva Dr.M.Mohanraj Mr.Y.Rasmathew	Five Innovative projects selected by local Coimbatore MSME and submitted to MSME, Delhi for final approval	Research	MSME	34.55	Waiting for funding
Dr.K.Siva	MODROBS- Modernization & Removal of Obsolescence	Research	AICTE	9.4	Completed
Dr.Y.Ras Mathew	Advanced Welding Holder	Research	MSME	5.25	Ongoing

Name of the faculty	Project Title	Project Type Research/ Consultancy	Funding Agency	Amount (₹) in Lakhs	Duration
Dr.M.Mohanraj	Solar assisted auto cascade heat pumps for space heating applications	Consultancy	Q-Alt Technologies, Almaty, Kazakhstan	2.5	2
Dr.J.Manikandan	Development and Testing of Solar Photovoltaic water Pumping system	Research	In-house	2.5	2
Dr.M.Mohanraj	Development of Solar assisted heat pump using packed Bed collector	Research	In-house	2	2
Dr.Y..RasMathew	Design and Development of Coconut shell cutter	Consultancy	Nandanam Marachekku Aalai	0.8	Ongoing
Dr.M.Mohanraj	Development of Cold storage for high Value food products	Research	In-house	1.75	2
Dr.M.Mohanraj	Review of project proposals	Research / Consultancy	National Council for Science and Technology Evaluation	1.5	1month

Name of the faculty	Project Title	Project Type Research/ Consultancy	Funding Agency	Amount (₹) in Lakhs	Duration
Dr.M.Mohanraj	Ambient Source heat pumps for space heating applications	Consultancy	Al-Farabi Kazakhstan, National University	1.5	2
Dr.M.Mohanraj	Performance improvement of solar Air heater	Research	In-house	1.5	2
Dr.M.Mohanraj	Development of heat pump assisted regenerative solar still	Research	In-house	1.5	2
Dr.Y..RasMathew	Vibration measurement setup	Research	In-house	1.5	2years
Dr.M.Mohanraj	Testing of domestic refrigerator using low Global warming refrigerants	Research	In-house	1	1
Dr.M.Mohanraj	Testing of Chillers using low global Warming refrigerants	Research	In-house	1	1
Dr.M.Mohanraj	Solar assisted heat pump for space heating	Research/ Consultancy	Al Farabi Kazakhstan, University Almaty	1	3years

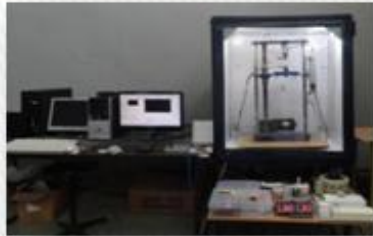
Name of the faculty	Project Title	Project Type Research / Consultancy	Funding Agency	Amount (₹) in Lakhs	Duration
Dr.J.Manikandan	“Additive Manufacturing”	Online Faculty Development Programme(FDP)	AICTE-ATAL	0.93	16.02.2021 To 20.02.2021
Dr.P.Jeyalakshmi	Development of Solar driers	Research	In-house	0.75	1
Dr.V.Senthil Murugan	Development of Evaporative coolers	Research	In-house	0.6	1
Dr.M.Mohanraj	Development of HDH desalination systems	Research	In-house	0.5	1
Dr.M.Mohanraj	Promotion of Refrigerant hydrocarbons	Consultancy	HANS Industrial Corporation,	0.5	2
Dr.C.Nithyanandam	Design of Low Cost Mould by Fiber Reinforced Polymer Using a 3D Printer	Consultancy	Smile 3D Tech Coimbatore	0.35	1
Dr.K.Siva Dr.Y.Rasmathew	ITBI	Research (Incubation Center)	DST	5 Crore (Applied)	5 years

International Conferences

S. No	Name of Conference	Date
1	Advances in Materials and Manufacturing (INTCOM M 2016)	01.02.2016 & 02.02.2016
2	International Conference on Renewable and Sustainable Energy	12 .04. 2017 & 13 .04.2017
3	International Conference on Thermal Analysis and Energy Systems	12 .04. 2018 & 13 .04.2018
4	Energy & Environment	11 .04. 2019 & 12 .04.2019



INNOVATIONS BY THE FACULTY FOR TEACHING AND LEARNING



Computer Interfaced
Temperature Control UTM



Evaporator Cooler



Experimental setup for
Vibration Testing



Regenerative Solar Still



PCM Insulated Hot Water
Storage Tank



Forced Convection Solar
Dryer



Forced Convection Solar Air
Heater Using Packed Bed
Absorber Plate



Solar Assisted Heat Pump

- Dr. M. Mohanraj, Professor in Mechanical Engineering has been invited as a visiting professor to Al-Farabi Kazakh National University, Almaty, Republic of Kazakhstan for the period of one month during June 2016 for developing a two stage cascade heat pump.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has been collaborated with National Institute of Technology, Calicut as Co-Principal Investigator for Project titled “Development, testing and standardization of photovoltaic-thermal heat pump water heater” funded by Department of Science and Technology. Funding amount 36.5 Lakhs.
- Department has conducted an International Conference on Renewable and Sustainable Energy during April 12th and 13th of 2017. Selected papers were published in a special issue in Thermal Sciences- The scientific Journal. Published by Society of Thermal Engineers Serbia (Impact Factor 1.5).
- Dr. M. Mohanraj has visited Al-Farabi Kazakh National University, Almaty as a technical consultant for developing an ambient source heat pump system for space heating applications.
- Department has conducted an International Conference on Thermal Analysis and Energy Systems during April 12th and 13th of 2018. Selected papers were published in a special issue in Journal of Thermal Analysis and Calorimetry (Impact factor: 4.52).
- Dr. M. Mohanraj was invited as a subject expert for developing a curriculum in Department of Mechanics, Al-Farabi Kazakh National University, Almaty Republic of Kazakhstan during May-June 2018.
- Department has conducted an International Conference on Energy and Environment during the year 10th and 11th of 2019. Selected papers were published in Journal of Power and Energy (Impact Factor: 1.7).
- Dr. M. Mohanraj has been invited as a keynote speaker for an International Conference on Journal of Thermal Analysis and Calorimetry held at Budapest, Hungary during June 2019.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has listed in top 2% scientist published by Stanford University, USA in Energy Specialization during the year 2019.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has visited Satbayev University, Almaty, Republic of Kazakhstan as a visiting faculty and researcher.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has listed in top 2% scientist published by Stanford University, USA in Energy Specialization during the year 2020.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has listed in top 2% scientist published by Stanford University, USA in Energy Specialization during the year 2021.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has visited Yesseneov University, Almaty, Republic of Kazakhstan as a visiting faculty and researcher.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has listed in top 2% scientist published by Stanford University, USA in Energy Specialization during the year 2022.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has visited Yesseneov University, Almaty, Republic of Kazakhstan as a visiting faculty and researcher.
- Dr. M. Mohanraj, Professor in Mechanical Engineering has collaborate with Yesseneov University, Aktau for the research project titled “Development of solar thermal desalination assisted by a compression heat pump” funded by Ministry of Science, Republic of Kazakhstan.

Faculty Reviewer

S. No	Name of the Faculty Members	Name of Editorial Boards of peer reviewed journals & National/International conference
1.	Dr.K.Siva	Science and Engineering of Composite Materials
2.	Dr.K.Siva	Ciência & Tecnologia dos Materiais - Journals - Elsevier
3.	Dr.M.Mohanraj	Journal of Technological Innovations in Renewable Energy
4.	Dr.M.Mohanraj	International Journal of Energy Research (John Wiley)
5.	Dr.M.Mohanraj	International Journal of Energy (Elsevier)
6.	Dr.M.Mohanraj	International Journal of Applied Energy (Elsevier)
7.	Dr.M.Mohanraj	International Journal of Measurements (Elsevier)
8.	Dr.M.Mohanraj	International Journal of Thermal Sciences (Elsevier)
9.	Dr.M.Mohanraj	Renewable and Sustainable Energy Reviews (Elsevier)
10.	Dr.M.Mohanraj	Energy Conversion and Management (Elsevier)
11.	Dr.M.Mohanraj	International Journal of Refrigeration (Elsevier)
12.	Dr.M.Mohanraj	Sustainable Energy Technologies and Assessments (Elsevier)
13.	Dr.M.Mohanraj	Chemical Engineering Research and Design (Elsevier)
14.	Dr.M.Mohanraj	Applied Thermal Engineering (Elsevier)
15.	Dr.M.Mohanraj	Energy and Buildings (Elsevier)
16.	Dr.M.Mohanraj	Journal of Alloys and Compounds (Elsevier)
17.	Dr.M.Mohanraj	Vacuum (Elsevier)
18.	Dr.M.Mohanraj	Experimental Thermal Sciences (Elsevier)
19.	Dr.M.Mohanraj	Journal of Clear Production (Elsevier)
20.	Dr.M.Mohanraj	Materials and Design (Elsevier)
21.	Dr.M.Mohanraj	Mechatronics (Elsevier)
22.	Dr.M.Mohanraj	Solar Energy (Elsevier)
23.	Dr.M.Mohanraj	Science Bulletin (Elsevier)
24.	Dr.M.Mohanraj	International Journal of Heat and Mass Transfer (Elsevier)
25.	Dr.M.Mohanraj	Case studies in Thermal Engineering (Elsevier)

S. No	Name of the Faculty Members	Name of Editorial Boards of peer reviewed journals & National/International conference
26.	Dr.M.Mohanraj	Renewable Energy (Elsevier)
27.	Dr.M.Mohanraj	Journal of Energy Resource Technology (ASME)
28.	Dr.M.Mohanraj	International Journal of Energy Sources (Part-A) (Taylor&Francis)
29.	Dr.M.Mohanraj	International Journal of Green Energy (Taylor and Francis)
30.	Dr.M.Mohanraj	Heat Transfer Engineering (Taylor and Francis)
31.	Dr.M.Mohanraj	Desalination and Water treatment (Taylor and Francis)
32.	Dr.M.Mohanraj	International Journal of Modeling and Simulation (Taylor and Francis)
33.	Dr.M.Mohanraj	International Journal of Energy Efficiency (Springer)
34.	Dr.M.Mohanraj	International Journal of Neural Computing (Springer)
35.	Dr.M.Mohanraj	Journal of renewable, Wind, Water, and Solar (Springer)
36.	Dr.M.Mohanraj	Journal of Thermal Analysis and Calorimetry (Springer)
37.	Dr.M.Mohanraj	Environmental Science Group (Springer)
38.	Dr.M.Mohanraj	Journal of Institution of Engineers (Series C) Mechanical Engineering (Springer publishers)
39.	Dr.M.Mohanraj	Environmental Science and Pollution Research (Springer)
40.	Dr.M.Mohanraj	Fortntues in Energy (Springer Publishers)
41.	Dr.M.Mohanraj	Korean Journal of Chemical Engineering (Springer Publishers)
42.	Dr.M.Mohanraj	Indian Journal of Engineering and Material sciences (CSIR)
43.	Dr.M.Mohanraj	International Journal of Global warming (Inderscience publishers)
44.	Dr.M.Mohanraj	International Journal of Exergy (Inderscience publishers)
45.	Dr.M.Mohanraj	Thermal Sciences Scientific Journal
46.	Dr.M.Mohanraj	International Journal of Environmental Engineering and Management
47.	Dr.M.Mohanraj	Journal of Renewable and Sustainable Energy (American Institute of Physics)
48.	Dr.M.Mohanraj	Part-A Journal of Power and Energy (Sage publishers)
49.	Dr.M.Mohanraj	Part D, Journal of Automobile Engineering (Sage Publishers)
50.	Dr.M.Mohanraj	Part E Journal of Processes Mechanical Engineering (Sage Publishers)

S. No	Name of the Faculty Members	Name of Editorial Boards of peer reviewed journals & National/International conference
51.	Dr.M.Mohanraj	Advances in Mechanical Engineering (Sage Publishers)
52.	Dr.M.Mohanraj	Journal of Scientific and Industrial Research (CSIR)
53.	Dr.M.Mohanraj	Journal of Engineering Science and Technology (Taylors University Journal)
54.	Dr.M.Mohanraj	Journal of Food Science and Technology (Springer Publishers)
55.	Dr.M.Mohanraj	Water Science and Technology
56.	Dr.M.Mohanraj	International Journal of Photon Energy
57.	Dr.J.Manikandan	International Journal of Scientific Development and Research - IJSDR
58.	Dr.J.Manikandan	International Journal of Engineering and Technology-IJET
59.	Dr.P.Jeyalakshmi	Journal of Thermal Analysis and Calorimetry – JTAC Springer Publication
60.	Dr.P.Jeyalakshmi	Journal of Thermal Analysis and Calorimetry – JTAC Springer Publication
61.	Dr.S.Kannan	Journal of Mechanical Science and Technology - JMST
62.	Mr.C.Nithyanandam	International Journal of Innovations in Engineering, Research and Technology-IJIERT
63.	Mr.R.Sankarganesh	JAC-Journal of Advances in Chemistry
64.	Mr.K.R.Sakthivel	IRJI-International Research Journal of INDIA
65.	Mr. L .Karthick	Mechanics Based Design of Structures and Machines, An International Journal