

RESUME

1. NAME : Dr. N.TIRUVENKADAM

2. ADDRESS FOR COMMUNICATION:

Professor of Département of Mechatronics Engineering

Head – MSME Business Incubation Center

K.S.Rangasamy College of Technology (Autonomous)

Tiruchengode, Namakkal District, Tamil Nadu -637215.

Mobile: +91-9944672671

E-mail: tiruvenkadam@ksrct.ac.in



Google Scholar link:

<https://scholar.google.co.in/citations?user=X3AblaEAAAAJ&hl=en&oi=ao>

3. CAREER GOALS

- To build a globally competent smart engineers, scientists, Start-up & entrepreneurs, Intellectual Property Rights owner and researchers.
- To become an expert in my area of research, develop independent ideas and get funding projects for global environmental solutions.
- To be a lifelong collaborative learner with the network of global personalities and industrialist in my domain.
- To publish well-developed ideas from 5+ impact factor journals with my team.

4. EDUCATIONAL QUALIFICATIONS

Degree	Specialization	Name of the College / University	Year of Passing	% of Marks Obtained
Ph.D.	Mechanical Engineering. (Nano-Hybrid Composite Materials and Tribology)	PSG College of Technology, Coimbatore - 4.Tamil Nadu. <i>Affiliated to Anna University, Chennai</i>	August 2016	Highly Commented & Publications in Reputed Journals
M.E.	CAD/CAM	Kongu Engineering College, Perundurai, Erode -52, Tamil Nadu. <i>Affiliated to Anna University, Chennai.</i>	2007	80.43% First Class with Distinction
B.E.	Mechanical Engineering	Coimbatore Institute of Technology, Coimbatore -14. <i>Affiliated to Anna University, Chennai.</i>	2005	76.10% First Class

D.M.E.	Mechanical Engineering	Sakthi Institute of Technology, Sakthi Nagar, Erode -15. Directorate of Technical Education, Chennai.	1992	84.00% First Class and Gold Medalist
S.S.L.C.	-	Govt. High School, P.Mettupalayam	1989	66.80 % First Class

5. EXPERIENCE (23 Years 9 Months)

• Experience after PG Degree – 14 Years

(Engineering Teaching Experience after PG Degree – 13 Years and Industrial Teaching Experience after PG Degree - 1 Year)

Name of the Organization where served	Period		Designation	Experience
	From	To		
K. S. Rangasamy College of Technology (Autonomous), Tiruchengode. Tamil Nadu, India -637215. www.ksrct.ac.in	06.11.2023	Till date	Professor & Head – MSME Business Incubation Center	Going on
	10.05.2021	05.11.2023	Professor & Head	2 Years 6 Months
	01.05.18	09.05.21	Associate Professor	2 Years 5 Months
	01.08.11	30.04.18	Assistant Professor	6 Years 9 Months
	03.06.08	31.07.11	Lecturer	3 Years 2 Months
KG Information System Private Limited, (KGISL) Coimbatore, Tamil Nadu, India.	02.05.07	21.05.08	Design Software Trainer	1 Year

• Industrial Experience after Diploma – 9 Years 9 Months

Name of the Organization where served	Period		Designation	Experience
	From	To		
Served in four Briquetted Fuels Manufacturing Industries in Tamil Nadu, India. Arun Fuels Ltd., Bhavani. Sun BioFuels, Rasipuram. R.R.Fuels, Cumbum. Sri Murugan Agro Fuels, Bhavani.	25 th May 1992	21 st Feb 2002	Production Supervisor, Sales Supervisor, Production & Sales In-charge, Factory Manager, Plant complete Manufacturing Contractor	9 Years 9 Months

6. PATENT FILED

- (i) Agro Rope Car, Application No. 2099/CHE/2006A. Dated on 13.11.2006 – Under examination.
- (ii) EC Brakes with ABS for Automobiles, Application No.1111/CHE/2009, Dated on 14/05/2009 10:16:59 - Under examination.

7. ADDITIONAL IN-CHARGES RESPOSABILITES UNDERTAKEN

1. **Head of the Department, Mechatronics Engineering** from 10.05.2021 to 05.11.2023 and Worked for NAAC, NBA, Research Center approval, BoS,
2. **National Innovation and Startup Policy (NISP)**, Ministry of Education (MoE), Government of India, **Institution Coordinator** for Implementing “KSRCT innovation and Startup Policy for Students, Faculty and Alumni 2020-2024”.
3. **Admin Position as a President** for Ministry of Education(MoE), Government of India – Institutions Innovation Council (IIC) **for K.S.Rangasamy College, Tiruchengode, Tamil Nadu** from November 2018 establishment date to 2091-20 academic year, and achieved **3 stars and 5 Stars rating out of 5 Stars** respectively.
4. **Admin Position as Head**, Centre for Incubation and Startups (CIS) and implementing National Innovation and Startup Policy (NISP) at KSRCT.
 - **Established MSME Business Incubation Centre. Worth of 1 Crore fund to setup plant and machinery for MSME Business Incubation Center in KSRCT.**
 - **Also received 1.17 Crore through for 10 Students ideas participated in MSME Idea Hackathon 1.0,2.0 & 3.0 During the year, 2022,2023 & 2024 respectively.**
 - **Assist to apply proposal submission for AICTE – IDEA Lab for institution worth of 110+ Lakhs.**
5. **Admin Position as a Centre Head – KSR Centre of Excellence for Manufacturing (KSRCEM) , KSR Innovation Technology Park. KSREI.**

Major Contribution:

- **Establishment of Centre of Excellence with DCS Pune worth of 5 Crores.**
 - **Proposal submitted and experts are visited to setup Incubation Centre with TNMBEDII, Chennai for the worth of rupees 1 Crore.**
 - **Proposal submitted to DST- NGIEDC to setup for the worth of each year rupees 1 Crore for 5 Years.**
6. **Chief Coordinator for Start-up and Entrepreneurship Development Cell** in KSRCT from June 2019 to till date.
 7. KSRCT-Institution **Innovation Ambassador** recognized by MoE Innovation Cell
 8. BE. Mechatronics Engineering Degree students’ class advisor from first year to final year with **100% passed out with in course completion period** and their personal, ethical, moral and overall character development.
 9. Member (Subject expert form the department) of Board of Studies (BoS) of Mechatronics Engineering, K.S.Rangasamy College of Technology (Autonomous) and actively involved in curriculum and syllabus plan from 2012.

10. Value added course Department Coordinator @ KSRCT / 2008 to till date.
11. Entrepreneurship Development Cell department President @ KSRCT June 2008 to 2010.
12. Engineering Education Out Reach – School Connect Programme Coordinator @ KSRCT / 2009 to till date.
13. Served in various committee constituted by the Institution and department level.
14. Mechatronics Engineering (FAME) Association Secretary during 2011-12.

8. AWARDS AND ACHIEVEMENTS

- (i) **Gold Medal** received for Proficiency in Studies during Diploma.
- (ii) 9 Times **100% Result Achiever** Award in Anna University Chennai & Autonomous exam at KSR College of Technology.

9. CONTRIBUTION TOWARDS PRODUCTS / MACHINE(S) DEVELOPED / INDUSTRIAL VISITS

- My Project Students Won Tamil Nadu State Level Second Prize in **IIT PALS InnoWAH 2018 @IITM, Chennai**, titled “Extraction of Methane from Sewage using Seaweeds”.
- Nano hybrid composite cylinder liner for diesel engines.
- Composite Wear Ring for Briquetting Machine.
- Low cost Reciprocating Tribometer machine.
- Prototype agro rope car for field sugar cane transportation (Applied Patent).
- Driver related hybrid life safety kit (Applied for CII Innovation Award 2014).
Appreciated by Medias like Puthiyathalaimurai TV, SUN TV and daily newspapers etc.,
- Prototype Smart Robot for field sugar cane transportation. (Going on with TNAU Guidance and Applied for CII Innovation Award 2014)
- Smart hybrid vehicle for local transportation
- Five days Industrial visit at P3 Engineering Services, Bangalore.
- Product development for reduction of wear in Briquetting press machine dies under *UGC Sponsored Minor Research Scheme (ongoing as my HoD as PI)*
- Engaged with student’s industrial visits to various industries.
- Engaged with industrial trainers and core skill development team.

10. RESEARCH INTERESTS

- Tribology, Wear of composite materials.
- Diesel engine emission reduction and energy saving
- Advanced coatings for IC Engines & Alternative fuels

- Nano-hybrid composite materials development
- Automobile tribology, 3D Printing and Reverse engineering
- Innovation, Start-up opportunities for Indian Higher Educational Institutions Students, Faculty, Staff and Alumni.

11. START-UP AND ENTREPRENEURIAL SKILL

- Along with 11 Professors in KSRCT, One Start-up Company was established in November 2019 in the name of “**P11 Innovators Private Limited**” at Tiruchengode for Manufacturing of Millet Cookies food products. Till date undertaken a responsibility as a **Managing Director of the company**.
- Mentor for 5 team of Students and one faculty Startups.
- 30+ programs organized for Startup & entrepreneurship related activities.

12. SUBJECTS HANDLED FOR UG AND PG STUDENTS

For Under Graduate (B.E Mechanical & Mechatronics Engineering)

Rapid Prototyping, Metrology and Computer Aided Measurements, Instrumentation and Control System, Theory of Machines, Computer Integrated Manufacturing (CIM), Modelling and Simulation, Manufacturing Technology, Fluid Mechanics and Machines, MEMS and NEMS, Engineering Drawing, Automobile Technology, Non Destructive Testing Methods. Strength of Materials Lab, Manufacturing Technology Lab, Instrumentation Lab, Fluid Mechanics and Machinery Lab, Metrology Lab, Dynamics Lab, CAD & Machine Drawing Lab, Engineering Practice Lab, CAD/CAM Lab.

Startups and Entrepreneurship

For Post Graduate (M.E. Industrial Safety Engineering)

Fire and Explosive control system, Human factor Engineering, Safety in Engineering Industry

13. DETAILS OF CAREER DEVELOPMENT PROGRAMS ORGANISED

S. No.	Nature of program	Topic / title	Sponsored by	Amount Sanctioned (Rs.)	Period
1.	National Seminar	Computational intelligence using machine vision system for Textile Industries	AICTE New Delhi	0.6 Lakh	03 rd to 05 th June, 2009
2.	National Seminar	Internet of Things (IoT) in Non-Invasive Healthcare Systems	Indian Council of Medical Research	0.4 Lakh	21 st & 22 nd June, 2017

3	National Seminar	Design of Experiments in Bioprocess Optimization	DST- Science & Engineering Research Board (SERB)	1.0 Lakh	4 th & 5 th January, 2018
4	Virtual Faculty Development Programme	Mechatronics Engineering for Industry 4.0	KSRCT- Mechatronics Self Driven Activity	-	8 th to 13 th June 2020
5	International Webinar	Cutting Edge Technologies in Robotics and Automation	KSRCT- Mechatronics Self Driven Activity	-	23 rd to 26 th June 2020
6	Alumni Webinar Series	Future Opportunities of Mechatronics by Experiential Learning	KSRCT- Mechatronics Self Driven Activity	-	1 st to 4 th July 2020
7	Under MHRD Institution's Innovation Council (IIC)	<ul style="list-style-type: none"> • 125 Self Driven Activities • 2 Funded Impact Lecture Series • 4 MIC Program and 10+ IIC programs. 	KSRCT- IIC	0.40 Lakh for Impact Lecture from MHRD-AICTE	During the Academic Year 2019-20 Achieved KSRCT 5 Stars Performance Rating

14. LIST OF RESEARCH PUBLICATIONS

NATIONAL PATENT JOURNALS: 02

Sl. No	Title of the paper
1.	Tiruvankadam N et al., 'Agro rope car', The patent office journal, dated on 28.12.2008, Issue No.48/2008, p- 29150.
2.	Tiruvankadam N et al, 'EC Brakes with ABS for Automobiles', The patent office journal, Issue No 42/2009, 16.10.2009, p-8348.

INTERNATIONAL JOURNALS: 10

Sl. No	Title of the paper	SJR	Impact Factor
1.	Tiruvankadam, N , Thyla, PR, Senthilkumar, M, Bharathiraja, M & Murugesan, A (2015), 'Synthesis of new aluminum nano hybrid composite liner for energy saving in diesel engines', Energy Conversion and Management, vol. 98, pp. 440–448, Elsevier		5.589
2.	Tiruvankadam, N , Thyla, P.R, Senthilkumar, M, & Bharathiraja, M (2016), 'Development of optimum friction new nano hybrid composite liner for biodiesel fuel engine', Transportation Research Part D: Transport and Environment, vol.47, pp. 22-43, Elsevier		2.34
3.	Tiruvankadam, N , Thyla, PR & Senthilkumar, M (2013), 'Development of Energy saving and Environment Friendly Aluminum Hybrid Composite Materials for Vehicle Applications', Advanced Materials Research, vol. 768 pp.195-198.	0.14	
4.	Thyla, PR., Tiruvankadam, N & Senthil Kumar, M (2015), 'Investigation of Corrosion Behavior of Light Weight Nano Hybrid Al 6061-ZrO ₂ -SiC- Gr Composites', International Journal of	0.21	

	ChemTech Research, vol. 8 no.10, pp. 312-316.		
5.	Thyla, PR., Tiruvenkadam, N & Senthil Kumar, M (2015), 'Effect of Environmental Conditions for New Hybrid Aluminium Metal Matrix Composites Wear', Journal of Advances in Mechanical Engineering and Science, vol.1, no.2, pp 1-8.		-
6.	Bharathiraja, M, Venkatachalam R, Tiruvenkadam N (2016), 'Experimental analysis of exhaust gas after treatment system using water scrubbing in a single cylinder diesel engine for diesel and biofuel blends', Transportation Research Part D: Transport and Environment, vol. 49, 291-300, Elsevier .		2.34
7.	M Bharathiraja, M, Venkatachalam, R, Murugesan, A, Tiruvenkadam, N (2016), 'Experimental investigation of a novel alcohol fumigation in a single-cylinder constant speed diesel engine', International Journal of Ambient Energy, vol.38, pp 794-802, Taylor & Francis , SCImago Journal Rank (SJR).	0.25	
8.	N. Tiruvenkadam , R. Raghul, P.R. Karthik (2017), "Development of Driver Fatigue Monitoring and Alarming System using OpenCV" Transactions on Innovations in Science & Technology vol.(3) 26-30.		
9.	M.Ilangkumaran, N.Tiruvenkadam , M.Saranya, R.Thulasitharan (2019). "Selection of Wear Resistive Nano coating in En8 Steel", Bulletin of Scientific Research , 1(2), 73-80.		
10.	N. Tiruvenkadam , M. Ilangkumaran, M. Saranya, R. Thulsidharan(2019), "Nano Coating Start-ups Opportunities in India - A Review", Bulletin of Scientific Research, 1(2), 12-20.		

NATIONAL CONFERENCES – 04

1.	N.Tiruvenkadam , P.R.Thyla, M.Senthil Kumar, S.Vijay Amirtharaj, A.Srikanth S. Syed Ismail Faiyaz, N.Sasikumar, "Tribological and Mechanical Characteristics of Aluminium Hybrid Composite – A Review", Twenty-eighth National Convention of Mechanical Engineers and National Seminar on Emerging Technologies in Product Development for Safe and Sustainable Mobility, PSG College of Technology, Coimbatore Sep 3-5, 2012, Page A-18.
2.	N.Tiruvenkadam , P.R.Thyla, M.Senthilkuma, Don Bosco Thomas, "Role of composite materials to control energy loss and safety environment in automobile components –A Review", Twenty-eighth National Convention of Mechanical Engineers and National Seminar on Emerging Technologies in Product Development for Safe and Sustainable Mobility, PSG College of Technology, Coimbatore, Sep 3-5, 2012, Page A-48.
3.	N.Tiruvenkadam , P.R.Thyla, M.SenthilKumar, S.Muthu kumar, S.Mohanraj, M.MohammedSalman, G.Harikumar, "Investigation of Mechanical Properties of Al6061hybridcomposites Developed by Stir Casting Technique" Proceedings of the National Conference on Recent Trends in Mechatronics & Industrial Safety Engineering (RIMISE 2013), March 2013, K.S.Rangasamy College of Technology, Tiruchengode.
4.	N.Tiruvenkadam , P.R.Thyla, M.Senthil Kumar, Naseef Abdul Kader, V. K. Pradeep, R. Vishnu Kumar, "Development of reciprocating tribometer for tribological investigation of materials", Proceedings of the National Conference on Recent Trends in Mechatronics & Industrial Safety Engineering (RIMISE 2013), March 2013, K.S.Rangasamy College of Technology, Tiruchengode.
5.	N.Tiruvenkadam , R.Raghul, P.R.Karthik, "Development of driver fatigue monitoring and alarming system using open cv", Proceedings of National Conference on Recent Advances in Science & Engineering NCRASE-2017, University College of Engineering Pattukottai (A constitution College of Anna

INTERNATIONAL CONFERENCES – 10

1.	N.Tiruvenkadam ,P.R.Thyla , M.Senthil Kumar, Naseef Abdul Kader,V. K. Pradeep, R.Vishnu Kumar, N. Sasikumar, “Development of Multipurpose Reciprocating Wear Tester under Various Environmental Parameters”, St. Xavier's Catholic College of Engineering, Nagercoil, IEEE International Conference on Energy Efficient Technologies for Sustainability on 10-12 April, 2013.
2.	N. Tiruvenkadam , P.R. Thyla , M. Senthil Kumar, S. Mohan Raj, M. Mohammed Salman, S. Muthu Kumar,G. Hari Kumar, S. Vijay Amirtharaj, “Investigations of Co- Efficient of Thermal Expansions and Corrosion Behaviour of Aluminium 6061 Micro and Nano Hybrid Composites Developed by Stir Casting Technique”, St. Xavier's Catholic College of Engineering, Nagercoil, IEEE International Conference on Energy Efficient Technologies for Sustainability on 10-12 April, 2013.
3.	N.Tiruvenkadam , P.R.Thyla, M.Senthilkumar, Don Bosco Thomas, A. Srikanth,S. Syed Ismail Faiyaz, “Development of Energy Saving And Environment Friendlyaluminium Hybrid Composite Materials For Vehicle Applications”, St. Xavier's Catholic College of Engineering, Nagercoil, IEEE International Conference on Energy Efficient Technologies for Sustainability on 10-12 April, 2013.
4.	P.R.Thyla , N.Tiruvenkadam , M.Senthil Kumar, P.R.Senthil Murugan , Y.Sudhakar, R.Rajalingam ,S.Karthikeyan, “Failure Analysis In Diesel Engine Cylinder Liner Using Exponential FMEA Technique – A Case Study”International Conference on Advances in Tribology (ICAT 14) 21-24 Feb 2014, NIT Calicut.
5.	P.R.Thyla , N.Tiruvenkadam , M.Senthil Kumar ,P.R.Senthil Murugan , Y.Sudhakar, R.Rajalingam ,S.Karthikeyan, “Failure Analysis In Diesel Engine Cylinder Liner Using Exponential FMEA Technique – A Case Study”,International Conference on Advances in Tribology (ICAT 14) 21-24 Feb 2014, NIT Calicut.
6.	M.Bharathiraja, R.Venkatachalam, N.Tiruvenkadam , “Experimental Investigation of Alcohol Fumigation in Constant Speed Diesel Engine” International Conference on Sustainable Energy Technologies (ICSET 2014) December11-13, 2014, PSG college of Technology, Coimbatore.
7.	N.Tiruvenkadam , P.R.Thyla, M.Senthilkumar, A.Murugesan, M.Bharathiraja, “Performance and emission of bio fuel operated IC engine using nano hybrid composite cylinder liner”, International Conference on Sustainable Energy Technologies (ICSET 2014) December11-13, 2014, PSG college of Technology, Coimbatore.
8.	N.Tiruvenkadam , P.R.Thyla ,M.Senthil Kumar, M.Bharathiraja, R. Harish, “IC Engine friction and wear reduction using Coating and material change Route – A Review”, International Conference on Advances in Mechanical and Mechatronics Engineering ICAMME 2014, December 26 - 28, 2014, Sri Krishna College of Engineering and Technology, Coimbatore.
9.	M.Bharathiraja, R.Venkatachalam, N.Tiruvenkadam , “Experimental Investigation on exhaust gas treatment system on single cylinder diesel engine”, International Conference on Advances in Mechanical and Mechatronics Engineering ICAMME 2014, December 26 - 28, 2014, Sri Krishna College of Engineering and Technology, Coimbatore.
10	Tiruvenkadam, N , Thyla, PR, SenthilKumar, M, Senthilmurugan, PR, Sridhar, D and Vijay Ananth, T, (2015), “Scrutiny of nano technology applications for diesel

	engine performance enhancement and emission control”, International Conference on Nanomaterials And Nanotechnology, NANO 2015, K.S.Rangasamy College of Technology, Tiruchengode
11	Dr.M.Ilangkumaran, Dr.N.Tiruvenkadam, M.Saranya, R.Thulsidharan (2016), “Selection Of Wear Resistive Nanocoating On EN 8 Steel”, Smart Applications For Environmental Quality Assessment And Promoting Healthcare Systems Using Internet Of Things (ICSAIOT-2019), K.S.Rangasamy College of Technology, Tiruchengode
12	Dr.N.Tiruvenkadam, Dr.M.Ilangkumaran, M.Saranya, R.Thulsidharan (2016), “Nano Coating Startups Opportunities In India – A Review”, Smart Applications For Environmental Quality Assessment And Promoting Healthcare Systems Using Internet Of Things (ICSAIOT-2019), K.S.Rangasamy College of Technology, Tiruchengode

15. EXPERIENCE IN RESEARCH GUIDANCE

S. No.	Programme	Details of the candidate	University	Research status	Publication Status	
					Journals	Conferences
1.	Ph.D	Mr.P.Chokkalingam	Anna University, Chennai	Pursuing	Under Progress	-
2	M.Tech	5 Students		Completed	1	3

16. REVIEWER FOR INTERNATIONAL JOURNALS AND CONFERENCES

1. **Elsevier Publisher**- *International Journal of Energy conversion and Management.*
2. **Inderscience Publisher**- *International Journal of Materials and Product Technology*
3. *Indian Journal of Engineering & Materials Sciences, National Institute of Science Communication and Information Resources.*
4. *Korean Journal of Materials Research.*
5. *Computer Modeling in Engineering & Science.*
6. *2017Global Conference on Polymer and Composite Materials (PCM 2017), China.*
7. *The 3rd International Conference on New Energy and Future Energy System (NEFES 2018), China.*

17. PROJECTS OUTCOME / OUTPUTS IN INTERNATIONAL CONFERENCE

S. No.	Name of the Students	UG/ PG	Project published in International Conference
1.	Don Bosco Thomas	PG	N.Tiruvenkadam , P.R.Thyla, M.Senthilkumar, <i>Don Bosco Thomas</i> , A. Srikanth,S. Syed Ismail Faiyaz, “Development of Energy Saving And Environment Friendlyaluminium Hybrid Composite Materials For Vehicle Applications”, St. Xavier's Catholic College of Engineering, Nagercoil, IEEE International Conference on Energy Efficient Technologies for Sustainability on 10-12 April, 2013

2.	Naseef Abdul Kader, V. K. Pradeep, R. Vishnu Kumar, N. Sasikumar	UG	N.Tiruvenkadam, P.R.Thyla , M.Senthil Kumar, Naseef Abdul Kader, V. K. Pradeep, R.Vishnu Kumar, N. Sasikumar, "Development of Multipurpose Reciprocating Wear Tester under Various Environmental Parameters", St. Xavier's Catholic College of Engineering, Nagercoil, IEEE International Conference on Energy Efficient Technologies for Sustainability on 10-12 April, 2013.
3.	S. Mohan Raj, M. Mohammed Salman, S. Muthu Kumar, G. Hari Kumar, S. Vijay Amirtharaj	UG	N. Tiruvenkadam, P.R. Thyla , M. Senthil Kumar, S. Mohan Raj, M. Mohammed Salman, S. Muthu Kumar, G. Hari Kumar, S. Vijay Amirtharaj, "Investigations of Co-Efficient of Thermal Expansions and Corrosion Behaviour of Aluminium 6061 Micro and Nano Hybrid Composites Developed by Stir Casting Technique", St. Xavier's Catholic College of Engineering, Nagercoil, IEEE International Conference on Energy Efficient Technologies for Sustainability on 10-12 April, 2013.

18. WORKSHOPS / SEMINAR/ FDP PARTICIPATED

S. No.	Title	Organized by	Sponsored by	No. of days	Duration
1	FDP on Entrepreneurship Development	Technology Business Incubator @ Kongu Engineering College	Department of Science and Technology	12	14.11.2016 To 26.11.2016
2	FDP on Automobile Engineering – Recent Innovation in Engines, Power Train, Emission Measurement and Alternative Fuels.	PSG College of Technology Coimbatore	AICTE	14	07.06.2015 To 20.06.2015
3	Seminar on Statutory Records for Safety, Health and Environment	KSR College of Technology, (KSRCT) Tiruchengode	Self-Supported	1	21.4.2015
4	Seminar on Advanced CNC and Automobile Tools	KSRCT Tiruchengode And MTAB Technology Centre, Chennai	Self-Supported	1	08.12.2014
5	Seminar on Paper and Proposal Writing Skills	Association of Scientists Developers and Faculties (ASDF)	ASDF	1	01.10.2014
6	Workshop on Graphical System Design Using LabVIEW	KSR College of Technology, Tiruchengode.	Self-Supported	2	25.02.2014 to 29.02.2014
7	Workshop on Sensor Interface & Integration in R&D Work	PSG College of Technology, Coimbatore	Department of Science and Technology	3	28.01.2013 to 30.01.2013
8	Workshop Online PSG Design Data Portal	PSG College of Technology, Coimbatore	Self-Supported	1	23.12.2011
9	Seminar on Advances in Austenitic Stainless Steels	PSG College of Technology, Coimbatore	Naval Research Board	1	24.09.2011
10	Seminar on Nano-	Anna University, Chennai	Self-	1	30.05.2011

	coatings and Applications- NANOCOAT 2011		Supported		
11	Seminar on Business and Entrepreneurship conclave	IIT Delhi	Funded	5	01.03.2019 To 04.03.2019
12	20+ Webinars, 5 FDPs, 5 Quiz's attended	Various Institutions	-		During COVID 19 pandemic Lockdown
13	17 Online IIC Lecture Series	MHRD- IIC	-	17	May 2020

19. PROFESSIONAL RECOGNITION, AWARDS, FELLOWSHIPS RECEIVED:

S. No.	Name of the Society	Nature of Membership	Membership Number
1.	Association for Machines and Mechanisms Member (IITM)	Life Member	A 20090053
2.	Member in Indian Society of Technical Education	Life Member	LM 43582

20. INVITED TALK / GUEST LECTURE / JURY

1. Dynamics of Machinery Special Lecture delivered at Sri Vengateswara Hi Tech Engineering College, Gobichettipalayam, Tamil Nadu.
2. Acted as a Jury for Project Expo 2017 at KSR Institute for Engineering and Technology, Tiruchengode on 20.3.2017

21. VALUE ADDED COURSES ORGANIZED

- (i) CATIA V5 R16 (ii) ANSYS (iii) Hypermesh (iv) MatLAB (v) LabVIEW
(vi) PLC (vii) Creo 3.0

22. STUDENT FEEDBACK SCORES

Average Student feedback score 8.7 out of 10 both in UG and PG.

23. FUNDED RESEARCH EXPERIENCE

- UGC Minor Research Project applied and completed with the worth of ₹ 2,90,000/- titled “ Advanced Nano Composite Materials for Briquetting Industries” as my HoD as a PI. My industrial experience has been very useful to complete the same.
- Under DST Device Development Proposal, the Industry tie-up has been completed and the proposal preparation going on.

24. PROFESSIONAL REFERENCES

Dr. P. R. THYLA, M.Tech., Ph.D. Professor and Head, Department of Mechanical Engineering, PSG College of Technology, Coimbatore-4, India. Email: thylapr@gmail.com Mobile: +91-9443134432	Dr. M. SENTHILKUMAR, M.E, Ph.D. Associate Professor and Head Department of Production Engineering, PSG College of Technology, Coimbatore- 4, India. Email: msenthil_kumar@hotmail.com Mobile: +91-9443751578
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25. PERSONAL DETAILS

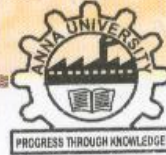
Date of Birth : 25.06.1974
Nationality : Indian, Community / Caste : OBC / Kaikolar
Marital Status : Married Languages Known : Tamil, English
Spouse : Mrs. K.Anusuya B.Pharm, M.Tech (Bio Tech).
Children : Daughter BE Mechanical Engineering Graduate and Son
(Studying tenth standard)
Blood Group : O Positive, Passport No : M 1423022

Place: P.Mettupalayam

Date: 05.03.2024



Signature



Reg.No. 100960321051/RG

The Syndicate of the Anna University hereby makes known that **TIRUVENKADAM N** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2016**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

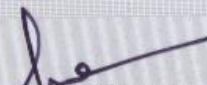
Title of the Thesis:

DEVELOPMENT OF NANO-HYBRID COMPOSITE CYLINDER LINER FOR ENERGY SAVINGS IN DIESEL ENGINES

Given under the Seal of the University



Chennai 600 025
India
May 2017
NAR012876


Controller of Examinations
TIRUVENKADAM N


Registrar


Chairman, Convener Committee
Vice-Chancellor
HON'BLE VICE-CHANCELLOR



PSG COLLEGE OF TECHNOLOGY

(Autonomous College Affiliated to Anna University)

PEELAMEDU P.O. ❖ COIMBATORE - 641 004.

TRANSFER and CONDUCT CERTIFICATE

S.No. **46232** Roll No. **0910RM06** Admission No : **664**

1. Name of the student : **TIRUVENKADAM N**

2. Name of the Parent / Guardian : **NARAYANASAMY M R**

3. Nationality, Religion, Community & Caste : **INDIAN - HINDU
BC - KAIKOLAR**

4. Date of Birth (in words) : **25/06/1974
TWENTY FIVE JUNE NINETEEN SEVENTY FOUR**

5. Degree to which the student was admitted to : **Ph D(PT)**

6. Semester studied at the time of leaving : **FINAL YEAR**

7. Whether completed the Degree successfully? : **REFER MARK SHEET**

8. Date of admission : **22/03/2010**

9. Actual Date of leaving : **29/08/2016**

10. Date on which application for Transfer Certificate was made : **26/09/2016**

11. Reason for leaving : **COURSE COMPLETED**

12. Character and Conduct* : **GOOD**

13. Medium of Instruction : **ENGLISH**

Date : **26/09/2016**



K. Sambasiva
PRINCIPAL
PSG College of Technology
Coimbatore - 4

2016 - 9000

* No separate conduct certificate is issued

ANNA UNIVERSITY :: CHENNAI - 25
DEPARTMENT OF MECHANICAL ENGINEERING
PSG COLLEGE OF TECHNOLOGY
COIMBATORE - 641 004


Ph.D. Public Viva-Voce Examination

Name of the Scholar	:	N Tiruvenkadam
Registration Number	:	100960321051
Category of registration	:	Part-time
Faculty	:	Mechanical Engineering
Title of the Thesis	:	DEVELOPMENT OF NANO HYBRID COMPOSITE CYLINDER LINER FOR ENERGY SAVINGS IN DIESEL ENGINES
Date and Time of Viva-voce Examination	:	29.08.2016, 2.00 p.m
Venue	:	K-314, Seminar Hall, Department of Mechanical Engineering, PSG College of Technology, Coimbatore-641 004
Name and address of the Supervisor	:	Dr.P.R.Thyla, Professor and Head, Department of Mechanical Engineering, PSG College of Technology, Coimbatore-641 004
Name and address of the Joint Supervisor	:	Dr.M.Senthil Kumar, Associate Professor Department of Production Engineering, PSG College of Technology, Coimbatore-641 004

All are cordially invited

Date : 18.08.2016
Place : Coimbatore


Signature of the Supervisor


Signature of the HoD of the Supervisor
(Name and seal)

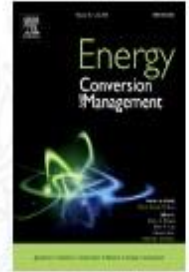
Copy to:

1. The Vice-Chancellor, Anna University, Chennai
2. The P.S. to Vice-Chancellor, Anna University, Chennai
3. The Registrar, Anna University, Chennai
4. The Controller of Examinations, Anna University, Chennai
5. The Director (Research), Anna University, Chennai
6. The Director (Academic Courses), Anna University, Chennai
7. The Regional Director, Anna University, Coimbatore Region, Coimbatore
8. The Dean, College of Engineering Campus, Anna University, Chennai
9. The Dean, MIT Campus, Anna University, Chennai
10. Principals of All Govt., Aided and Affiliated Engineering Colleges in Anna University
(with a request to display in the notice board)
11. All HODs of PSG College of Technology (with a request to display in the notice board)
12. The Principal, K.S.Rangasamy College of Technology, Tiruchengode

Dr. P R THYLA BE MTech PhD
Professor and Head
Department of Mechanical Engineering
PSG College of Technology
Coimbatore - 641 004 India



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