



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:04-06-2020

Department	AUTOMOBILE ENGINEERING	Application No.	20200049
Area of Research	BIOCOMPOSITES	Research Mode	FULL TIME

Name :J. SANGILIMUTHUKUMAR
Date of Birth / Age :25-04-1996 / 24 Years
Gender :MALE
Category :BC
e-Mail ID :sangili112140@gmail.com
Mobile :8110906722



Father's/Husband's Name	C. G. JEYAGURU	Father's/Husband's Occupation	BUSINESS
Family Income	-	Residential Type	RURAL
Birth Place	RAJAPALAYAM	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	275659985046	PAN No.	GAQPS3844L
Physically Challenged	NO	Type of Disability	-
Address for Communication: 130/4 MIDDLE STREET, CHATRAPATTI MELARAJAKULARAMAN/RAJAPALAYAM VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626102		Permenant Address: 130/4 MIDDLE STREET, CHATRAPATTI MELARAJAKULARAMAN/RAJAPALAYAM VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626102	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
M.TECH	AUTOMOTIVE SYSTEM ENGINEERING	KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION	2019	9.0	FIRST CLASS WITH DISTINCTION	REGULAR
B.TECH	AUTOMOBILE ENGINEERING	KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION	2017	8.74	FIRST CLASS WITH DISTINCTION	REGULAR
DME	MECHANICAL ENGINEERING	P. A. C. RAMASAMY RAJA POLYTECHNIC COLLEGE	2014	88.71%	FIRST CLASS WITH DISTINCTION	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status

20200049_200604120618	SHMP8863521803	04-06-2020	600	SUCCESS
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WRITEUP ON RESEARCH TOPIC

BROAD AREA: BIOCOMPOSITES

TENTATIVE TOPIC: DEVELOPMENT AND ANALYSIS OF LIGHTWEIGHT STRUCTURAL BIOCOMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS

NAME OF SCHOLAR: J. SANGILIMUTHUKUMAR

Natural fibers are getting attention from various researchers and academicians to build an ecofriendly nature; hence bio-based composites are used. The use of lightweight materials in automobile industry is one of the best possible way to achieve fuel efficiency demand and reduce the environmental pollution from greenhouse gases created by automotive vehicles. The numerous advantages of natural fibres are low density, recyclability, biodegradability, relative ease of availability and low cost that have brought an attention for a variety of automotive applications. The emerging features of natural fiber reinforced with polymer composites are strongly influenced by the characteristics of their own constituents. The aim of this research is to use natural fibre reinforced polymer composites for automotive applications. There are several types of natural fibres with different properties influencing a specific use in all automotive applications. It is also proposed to chemically modify the fibres with different fibre treatment techniques and investigate their effect on the functional properties of the ensuing composites. The effects of chemical treatment on the mechanical, thermo-mechanical, dynamic mechanical, creep and other functional properties of composites will be analyzed. Finally based on the results obtained a comparative study will be carried out between the treated and untreated fibre reinforced composites for proposing possible application in the automotive sector. Furthermore, it is also proposed to study the life cycle assessment of the composite in the proposed application.

Sl.No: 20191486

KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION
(Deemed to be University)
(Under Section 3 of UGC Act 1956)



Register No.

9917101003

The Board of Management of the Kalasalingam Academy Of Research And Education,
SANGILI MUTHU KUMAR J
hereby makes known that Ms./Mr. has
been admitted to the Degree of
Master of Technology in Automotive System Engineering
he / she having been certified by duly appointed examiners to be qualified to receive the same
and having been placed in the
First Class with Distinction
at the examination held in
Apr/May 2019

Given under the seal

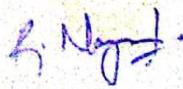


Anand Nagar,
Krishnankoil - 626 126,
Tamil Nadu, India

Date: 04/01/2020


Controller of Examinations


Registrar


Vice - Chancellor

Sl. No: 2017008



Register No: 9814010002

The Board of Management of the Kalasalingam University, hereby makes known that

Ms./Mr. SANGILI MUTHU KUMAR J has been admitted to the

Degree of Bachelor of Technology in Automobile Engineering

he / she having been certified by duly appointed examiners to be qualified to receive the same

and having been placed in the First Class with Distinction

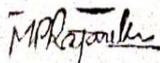
at the examination held in Apr/May 2017

Given under the seal of the University



Anand Nagar,
Krishnankoil - 626 126,
Tamil Nadu, India

Date: 19/08/2017


Controller of Examinations


Registrar


Vice - Chancellor

DIPLOMA

Register No.
112140



Certificate No.
DCN 618478

STATE BOARD OF TECHNICAL EDUCATION AND TRAINING
DEPARTMENT OF TECHNICAL EDUCATION
CHENNAI - 600 025,
TAMIL NADU

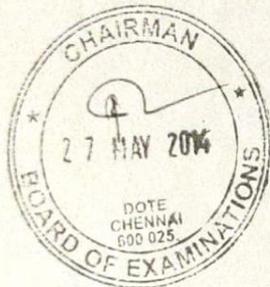
This Diploma

in

MECHANICAL ENGINEERING

is awarded to

SANGILIMUTHUKUMAR J



who has completed the prescribed course of study
in the above discipline and passed in

FIRST CLASS WITH DISTINCTION

in the autonomous ~~XV~~ examinations held in APRIL 2014
at P A C Ramasamy Raja Polytechnic College Rajapalayam 626 108



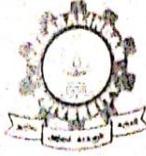
Chairman
Board of Examinations
Tamil Nadu

Minister for Education and Chairman
State Board of Technical Education
and Training, Tamil Nadu

DIPLOMA

KALASALINGAM UNIVERSITY

(Kalasalingam Academy of Research and Education)
Under Section 3 of UGC Act 1956
Anand Nagar, Krishnankoil - 626 126, Tamil Nadu, INDIA



Sl. No: PG 170128



M.Tech. Degree Examinations



CONSOLIDATED GRADE CARD

Name of the Student: SANGILI MUTHU KUMAR J
Branch: Automotive System Engineering

Register No: 9917101003
Batch: 2017-2019

SEM	COURSE CODE	NAME OF THE COURSE	TYPE OF COURSE	ATT. CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING
CGPA COURSES							
1	MATS101	Applied Mathematics	T	H	3.0	C	Nov/Dec 2017
1	MECS201	Automatic Control Engineering	T	H	3.0	A	Nov/Dec 2017
1	MECS202	Automotive Materials and Metallurgy	T	H	3.0	C	Nov/Dec 2017
1	MECS203	Automotive Engineering I	T	H	3.0	A	Nov/Dec 2017
1	MECS204	Automotive Engineering II	T	H	3.0	B	Nov/Dec 2017
1	MECS205	Internal Combustion Engineering Fundamentals	T	H	3.0	A	Nov/Dec 2017
1	MECS281	Computer Aided Vehicle Design and Analysis Laboratory	L	9	2.0	S	Nov/Dec 2017
2	MECS206	Automotive Electrical and Electronic Systems	T	9	3.0	A	Apr/May 2018
2	MECS207	Automotive Transmission System	T	H	3.0	B	Apr/May 2018
2	MECS208	Welding Technology	T	H	3.0	A	Apr/May 2018
2	MECS209	Tribology	T	H	3.0	S	Apr/May 2018
2	MECS213	Modeling And Simulation of Automotive Systems	T	H	3.0	S	Apr/May 2018
2	MECS216	Manufacturing of Automotive Components	T	9	3.0	A	Apr/May 2018
2	MEC6005	Research Methodology	T	H	1.0	B	Apr/May 2018
2	MECS282	Automotive and Autotronics Laboratory	L	H	2.0	S	Apr/May 2018
3	MEC6201	Vehicle Manintenance	T	H	3.0	B	Nov/Dec 2018
3	MEC6202	Computational Fluid Dynamics	T	H	3.0	A	Nov/Dec 2018
3	MEC6205	Supercharging and Scavanging	T	9	3.0	A	Nov/Dec 2018
3	MEC6298	Project Work- Phase I	L	9	6.0	A	Nov/Dec 2018
4	MEC6299	Project Work - Phase - II	L	H	12.0	S	Apr/May 2019

CGPA CREDITS

EARNED	TOTAL TO BE EARNED	CGPA	CLASS AWARDED
68.0	68	9.00	First Class with Distinction

Place: Krishnankoil
Date: 07/06/2019



M. Rajarathnam
Controller of Examinations



KALASALINGAM UNIVERSITY
 (Kalasalingam Academy of Research & Education)
 (Under Section 3 of UGC act 1956)
 Anand Nagar, Krishnankoil - 626 126 Tamil Nadu, INDIA

Sl. No : 999001337

Name of the Student : **SANGILI MUTHU KUMAR J** Register No **9814010002** Branch **B.Tech-Automobile Engineering** Batch : **2013-2017**

SEM.	COURSE CODE	NAME OF THE COURSE	ATT. CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING	SEM.	COURSE CODE	NAME OF THE COURSE	ATT. CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING
CGPA COURSES							Non-CGPA COURSES						
3	AUT201	Advanced Manufacturing Technology	H	4	A	Nov/Dec 2014	7	MEC83	Dynamics and Vibration Laboratory	H	2	S	Nov/Dec 2016
3	HSS006	Professional Ethics	H	3	A	Nov/Dec 2014	8	AUT410	Renewable Sources of Energy	H	3	B	Apr/May 2017
3	MAT202	Mathematics III	H	3	B	Nov/Dec 2014	8	AUT499	Project Work	H	10	A	Apr/May 2017
3	MEC201	Strength of Materials	H	4	B	Nov/Dec 2014	Non-CGPA COURSES						
3	MEC203	Thermodynamics	H	3	S	Nov/Dec 2014	8	NCGI004	National Service Scheme		3	Pass	
3	MEC281	Fluid Mechanics and Machinery	H	4	B	Nov/Dec 2014	8	NCGI005	Extracurricular Activities		3	Pass	
3	MEC282	Strength of Materials / Fluid Mechanics Laboratory	H	2	C	Nov/Dec 2014	7	NCGI001	Industrial Training - I		3	Pass	
3	MEC381	Manufacturing Technology Laboratory	H	2	A	Nov/Dec 2014	8	NCGI003	International Certifications		3	Pass	
3	MEC381	Machine Drawing Practice Laboratory	H	2	A	Nov/Dec 2014	7	NCGI004	Co-curricular Activities		3	Pass	
4	AUT282	Mechanics of Machines	H	4	A	Apr/May 2015	8	NCGI005	International Languages		3	Pass	
4	AUT203	Automotive Design	H	4	A	Apr/May 2015	7	NCGI001	Industrial Training - II		3	Pass	
4	AUT204	Automotive Fuels and Lubrications	H	3	A	Apr/May 2015	Category wise total credits earned						
4	AUT205	Automotive Chassis	H	3	A	Apr/May 2015	CI-Humanities	9	CS-Basic Sciences	6			
4	AUT206	Automotive Engines - I	H	3	A	Apr/May 2015	CC-Professional Major	14	CS-Misc Elective	6			
4	MAT211	Numerical Methods	H	3	A	Apr/May 2015	CE-Free Elective	6					
4	AUT281	IC Engines Laboratory	H	3	B	Apr/May 2015	Equivalent Percentage of 8.74 CGPA=82.4%						
4	AUT282	Automotive Fuels and Lubrications Laboratory	H	2	S	Apr/May 2015							
4	AUT283	Industrial Case Study	H	1	A	Apr/May 2015							
5	AUT301	Automotive Electrical Drives & systems	H	3	A	Nov/Dec 2015							
5	AUT302	Automotive Engines - II	H	3	A	Nov/Dec 2015							
5	AUT303	Automotive Transmission	H	3	A	Nov/Dec 2015							
5	AUT310	Vehicle Body Engineering	H	3	A	Nov/Dec 2015							
5	AUT381	Engine and Vehicle Testing Laboratory	H	2	S	Nov/Dec 2015							
5	AUT382	Automotive Electrical drives and System Laboratory	H	2	B	Nov/Dec 2015							
5	AUT383	Computer Aided Design Application in Automotive Engine Design	H	2	A	Nov/Dec 2015							
5	MEC317	Tribology I	H	3	B	Nov/Dec 2015							
5	MEC327	Heat and Mass Transfer	H	4	B	Nov/Dec 2015							
5	AUT398	Community Service Project Phase - I	H	1	A	Nov/Dec 2015							
6	AUT394	Automotive Material and Metallurgy	H	3	A	Apr/May 2016							
6	AUT395	Automotive Electronics	H	3	A	Apr/May 2016							
6	AUT396	Automotive Aerodynamics	H	4	A	Apr/May 2016							
6	AUT307	Automotive Pollution and Control	H	4	A	Apr/May 2016							
6	AUT312	Microprocessors and Microcontrollers for Automobiles	H	3	B	Apr/May 2016							
6	INT315	Bluetooth Technology	H	3	B	Apr/May 2016							
6	AUT384	Automotive pollution electronics Laboratory	H	2	A	Apr/May 2016							
6	AUT385	Computer Aided Vehicle Design Data Characteristics	H	2	A	Apr/May 2016							
6	AUT386	Comprehension	H	1	C	Apr/May 2016							
6	AUT399	Community Service Project - Phase-II	H	2	B	Apr/May 2016							
7	AUT401	Vehicle Dynamics	H	3	A	Nov/Dec 2016							
7	AUT408	Automotive Safety	H	3	A	Nov/Dec 2016							
7	HSS001	Total Quality Management	H	3	B	Nov/Dec 2016							
7	HSS002	Engineering Management	H	3	B	Nov/Dec 2016							
7	MEC410	Mechanical Behavior of Materials	H	3	S	Nov/Dec 2016							
7	MEC418	Rapid Prototyping	H	3	S	Nov/Dec 2016							
7	MEC420	Industrial Engineering	H	3	B	Nov/Dec 2016							

CGPA CREDITS				NON-CGPA CREDITS	
EARNED	TOTAL TO BE EARNED	CGPA	CLASS AWARDED	EARNED	TOTAL TO BE EARNED
141	141	8.74	First Class with Distinction	21	15

Place : Krishnankoil
 Date : 11/05/2017





Serial No.: 16334



KALASALINGAM
Academy of Research and Education
DEEMED TO BE UNIVERSITY

(Under Section 3 of UGC Act 1956)

Anand Nagar, Krishnankoil - 626 126.
Srivilliputtur (Via), Virudhunagar (Dt), Tamil Nadu, India

TRANSFER CERTIFICATE

1. Name of the pupil : SANGILI MUTHU KUMAR J
2. Date of Birth : 25/04/1996
3. Nationality, Religion and Caste : Indian, Hindu and Saliyar
4. Date of joining to the university : 02/08/2017
5. Course Details
 - a) Registration no. : 9917101003
 - b) Degree : M.Tech.
 - c) Specialization : Automotive System Engineering
 - d) Batch : 2017 - 2019
6. Whether qualified for promotion to a higher class : Yes (Refer the Grade Sheet)
7. Is there any break during the studies (if so specify the period) : No
8. Whether the pupil has paid all the fees to the University : Yes
9. Date on which application for TC was made : 25/04/2019
10. Date on which actually the pupil left the university : 10/04/2019
11. Medium of instruction : English

Date: 25/04/2019



REGISTRAR

आयकर विभाग

INCOME TAX DEPARTMENT



भारत सरकार

GOVT. OF INDIA

J SANGILIMUTHUKUMAR

JEYAGURU

25/04/1996

Permanent Account Number

GAQPS3844L

J. Sangilimuthukumar

Signature



31032015



இந்திய தேர்தல் ஆணையம்
Election Commission of India



வாக்காளர் புகைப்பட அடையாள அட்டை ELECTOR PHOTO IDENTITY CARD



ZWN1019546



வாக்காளரின்

பெயர்

Elector's
Name

சங்கிலிமுத்துக்குமார்

SANGILIMUTHUKUMAR

உறவினரின்

பெயர்

Relation's
Name

ஜெயகுரு

JEYAGURU

