



MOHAMED SATHAK A J COLLEGE OF ENGINEERING
Sponsored by Mohamed Sathak
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Siruseri IT Park, Egattur, Chennai 603 103

**List of students under taking project work/fieldwork/internship for the academic year
2020-2021**

B.E. MECHANICAL ENGINEERING

Sl. No	Register No	Student Name	Year (I/II/III/IV)	Project work	Mini project	Internship	Field work
1	311817114002	Abdul Basit	IV	✓			
2	311817114003	Abdul Mukshith A	IV	✓			
3	311817114004	Abdul Rahim A K	IV	✓			
4	311817114006	Abdul Wahab A	IV	✓			
5	311817114009	Ahamed Mukshith M	IV	✓			
6	311817114011	Akash R	IV	✓			
7	311817114013	Arun Prasath R	IV	✓			
8	311817114014	Atheeque Mohammed Owaiz	IV	✓			
9	311817114015	Azbaq Meeran F	IV	✓			
10	311817114016	Chandrasekar G	IV	✓			
11	311817114018	Gandhi Subash K	IV	✓			
12	311817114022	Imran L	IV	✓			
13	311817114023	Jamalul Ashraq I	IV	✓			
14	311817114025	Karthickkumar M	IV	✓			
15	311817114026	Kireesh Karan R	IV	✓			
16	311817114027	Manikanda Venkataraman G	IV	✓			
17	311817114028	Manoj Kumar K	IV	✓			
18	311817114029	Mohamed Abubakker Siddiq S	IV	✓			
19	311817114030	Mohamed Ali Hasan Seyed Abuthahi S A	IV	✓			
20	311817114032	Mohamed Askar M	IV	✓			
21	311817114033	Mohamed Fahim J	IV	✓			
22	311817114034	Mohamed Irfan A	IV	✓			
23	311817114035	Mohamed Irfan J	IV	✓			



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MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park
Chennai-603 103.



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24	311817114036	Mohamed Irfan Ali S	IV	✓			
25	311817114037	Mohamed Javidh M	IV	✓			
26	311817114040	Mohamed Musraf B A	IV	✓			
27	311817114041	Mohamed Reefdeen K	IV	✓			
28	311817114042	Mohamed Sathik A	IV	✓			
29	311817114043	Mohamed Suhail M	IV	✓			
30	311817114044	Mohamed Yusuf J	IV	✓			
31	311817114045	Mohammed Fayaas M	IV	✓			
32	311817114047	Mohammed Zain J	IV	✓			
33	311817114048	Muhamed Sufyan J	IV	✓			
34	311817114050	Pandidurai R	IV	✓			
35	311817114051	Sabik Mohammed S	IV	✓			
36	311817114052	Sajidullah K	IV	✓			
37	311817114054	Shakes Pear N	IV	✓			
38	311817114056	Syed N Zaheer Abbas	IV	✓			
39	311817114057	Usama A	IV	✓			
40	311817114301	Gokul L	IV	✓			
41	311817114302	Ibrahim A	IV	✓			
42	311817114303	Jawahar Shalim S	IV	✓			
43	311817114304	Mohamed Fardhan H	IV	✓			
44	311817114305	Mohammed Nabeel M	IV	✓			
45	311819114001	Aayathul mufarak. a	II			✓	
46	311819114002	Abdullah B	II			✓	
47	311819114003	Atef Jamaludeen N	II			✓	
48	311819114004	Balaji J	II			✓	
49	311819114005	Gokul M	II			✓	
50	311819114006	Gunl. S	II			✓	
51	311819114007	Helal Ahamed M	II			✓	
52	311819114008	Jaheth Salman. B	II			✓	
53	311819114009	Kabir Mohamed. A	II			✓	



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Siruseri IT Park, Egattur, Chennai 603 103

54	311819114010	Laxshan M	II			✓	
55	311819114011	Mohamed Arsath M	II			✓	
56	311819114013	Mohamed Shajith. M	II			✓	
57	311819114014	Mohamed Towfic A	II			✓	
58	311819114015	Mohammed Irfaan P	II			✓	
59	311819114016	Mohammed Ismail M	II			✓	
60	311819114017	Mohammed kurshith ali. M	II			✓	
61	311819114018	Musharraf Ali. S	II			✓	
62	311819114019	Najubudeen K	II			✓	
63	311819114020	Sheik Hussain. A	II			✓	
64	311819114021	Umar Mubarak M	II			✓	
65	311819114301	Arsath A	II			✓	
66	311819114302	Karthik.S	II			✓	
67	311819114303	P Manikandan	II			✓	
68	311819114304	Mohammed Aashik M	II			✓	
69	311819114305	Ramkumar.C	II			✓	
70	311819114306	Salaudeen Badusha	II			✓	
71	311819114307	Sanjay Kumar.C	II			✓	
72	311819114308	Syed Suffiyan	II			✓	
73	311819114309	Umashankar. V	II			✓	
74	311819114310	Vijaya Sarathi. V	II			✓	
75	311819114311	Sarathkumar.N	II			✓	



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B.E Mechanical Engineering

Project Batch List (2020-2021)

REG.NO	NAME OF THE STUDENT	TITLE OF THE PROJECT	NAME OF THE SUPERVISOR
311817114002	Abdul Basit	Preparation and emission analysis of Neem oil bio diesel	Mr.Sakthivel, Assistant Professor
311817114025	Karthick Kumar. M		
311817114028	Manoj Kumar. K		
311817114301	Gokul .L		
311817114003	Abdul Mukshith. A	Fabrication of Borewell Rescue System	Dr.R.Senthil Kumar, Professor
311817114015	Azbaq Meeran. F		
311817114023	Jamalul Ashraq. I		
311817114004	Abdul Rahim A.K	Fabrication of Brake Failure Indicator alarm	Mr.Muhammed Irfan A A Assistant Professor
311817114009	Ahamed Mukshith. M		
311817114030	Md Ali Hasan Seyed Abuthahir		
311817114006	Abdul Wahab. A	Study of mechanical and metallurgical properties of magnesium (Az31D)/SiC Silicon carbide composite fabricated through powder metallurgy Technique	Mr.S.R.Mohan, Assistant Professor
311817114040	Mohamed Musraf B A		
311817114047	Mohammed Zain		
311817114056	Syed. N.Zaheer Abbas		
311817114011	Akash. R	Experimental analysis of micro channel heat sinks for electronics cooling	Mr.Sakthivel, Assistant Professor
311817114050	Pandidurai.R		
311817114054	Shakespear.N		
311817114013	Arun Prasath. R	Experimental Investigation on AA5083 reinforced with Al ₂ O ₃ and SiC particulates composites produced by Powder Metallurgy Route.	Dr.R.Senthil Kumar, Professor
311817114014	Atheeq Mohammed Owaiz		
311817114018	Gandhi Subash. K		
311817114016	Chandrasekar. G	Investigation of microstructural and Mechanical Behavior of AA6351/B4C Composites through Powder Metallurgy	Mr.G.Ramesh Associate Professor
311817114026	Kireesh Karan. R		
311817114027	Manikanda Venkataraman. G		
311817114022	Imran .L	Study of Heat transfer performance and orientation analysis of flat heat pipe	Mr.Vigneshwaran Assistant Professor
311817114033	J. Mohamed Fahim		
311817114052	K.Sajidullah		



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REG.NO	NAME OF THE STUDENT	TITLE OF THE PROJECT	NAME OF THE SUPERVISOR
311817114029	Mohamed Abubakker Siddiq, S	Automatic pneumatic ramming machine	Dr.S.Prasath Associate Professor
311817114036	S. Mohamed Irfan Ali		
311817114057	Usama.A		
311817114032	M. Mohamed Askar	Fabrication of automatic pneumatic control three side tilting trailer.	Mr.G.Ramesh Associate Professor
311817114034	A. Mohamed Irfan		
311817114051	Sabik Mohammed.S		
311817114035	J. Mohamed Irfan	Fabrication of quad copter for agriculture fertilizer	Dr.S.Prasath Associate Professor
311817114037	M. Mohamed Javidh		
311817114302	Ibrahim A		
311817114041	K. Mohamed Reefdeen	Fabrication of Welding Slag Cleaning Machine	Mr.J.Rajesh Assistant Professor
311817114045	M. Mohammed Fayaas		
311817114048	J. Muhamed Sufyan		
311817114042	A. Mohamed Sathik	Evaluation of mechanical behavior of Aluminum E-Glass composite	Mr.Muhammed Irfan A A Assistant Professor
311817114044	J. Mohamed Yusuf		
311817114305	Mohammed Nabeel M		
311817114043	M. Mohamed Suhail	Fabrication of pneumatic reverse locking testing rig	Mr.P.Saravanan Assistant Professor
311817114303	Javahar Shalim S		
311817114304	Mohamed Fardhan H		



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B.E Mechanical Engineering

Internship Details (2020-2021)

Sl. No	Reg.No	Name of the Student	Dept	Year of study	Name of the company	Address	Duration FROM – TO (dd-mm-yyyy)	Period in months
1	311819114001	Aayathul mufarak. A	MECH	2020 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
2	311819114002	Abdullah B	MECH	2021 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
3	311819114003	Atef Jamaludeen N	MECH	2022 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
4	311819114004	Balaji J	MECH	2023 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
5	311819114005	Gokul M	MECH	2024 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
6	311819114006	Gunal. S	MECH	2025 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
7	311819114007	Helal Ahamed M	MECH	2026 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
8	311819114008	Jaheth Salman. B	MECH	2027 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
9	311819114009	Kabir Mohamed. A	MECH	2028 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days
10	311819114010	Laxshan M	MECH	2029 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	06.08.2020 to 07.09.2020	33 days



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Sl. No	Reg.No	Name of the Student	Dept	Year of study	Name of the company	Address	Duration FROM – TO (dd-mm-yyyy)	Period in months
11	311819114011	Mohamed Arsath M	MECH	2030 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
12	311819114013	Mohamed Shajith. M	MECH	2031 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
13	311819114014	Mohamed Towfic A	MECH	2032 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
14	311819114015	Mohammed Irfaan P	MECH	2033 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
15	311819114016	Mohammed Ismail M	MECH	2034 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
16	311819114017	Mohammed Kurshith Ali. M	MECH	2035 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
17	311819114018	Musharraf Ali. S	MECH	2036 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
18	311819114019	Najubudeen K	MECH	2037 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
19	311819114020	Sheik Hussain. A	MECH	2038 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
20	311819114021	Umar Mubarak M	MECH	2039 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	19.11.2020 to 20.12.2020	33 days
21	311819114301	Arsath A	MECH	2040 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
22	311819114302	Karthik.S	MECH	2041 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
23	311819114303	P Manikandan	MECH	2042 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount,	28.01.2021 to	33 days



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MOHAMED SATHAK A J COLLEGE OF ENGINEERING

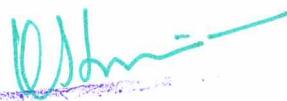
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Siruseri IT Park, Egattur, Chennai 603 103

Sl. No	Reg.No	Name of the Student	Dept	Year of study	Name of the company	Address	Duration FROM – TO (dd-mm-yyyy)	Period in months
						Chennai - 65.	27.02.2021	
24	311819114304	Mohammed Aashik M	MECH	2043 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
25	311819114305	Ramkumar.C	MECH	2044 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
26	311819114306	Salaudeen Badusha	MECH	2045 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
27	311819114307	Sanjay Kumar.C	MECH	2046 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
28	311819114308	Syed Suffiyan	MECH	2047 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
29	311819114309	Umashankar. V	MECH	2048 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
30	311819114310	Vijaya Sarathi. V	MECH	2049 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days
31	311819114311	Sarathkumar.N	MECH	2050 - 2021	Thermodyn Edutech	No83/35, LDG Road, Little Mount, Chennai - 65.	28.01.2021 to 27.02.2021	33 days




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Siruseri IT Park, Egattur, Chennai 603 103

PROJECT

PREPARATION AND EMISSION ANALYSIS OF NEEM OIL BIODIESEL

A PROJECT REPORT

Submitted by

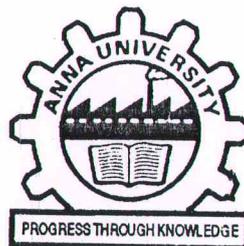
ABDUL BASIT	311817114002
GOKUL L	311817114301
MANOJ KUMAR	311817114028
KARTHICK KUMAR	311817114025

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING



PRINCIPAL

MOHAMED SATHAK A J COLLEGE OF ENGINEERING
No.34, Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

**MOHAMED SATHAK A J COLLEGE OF ENGINEERING,
SIRUSERI IT PARK, OMR, CHENNAI – 603 103**

ANNA UNIVERSITY, CHENNAI 600 025

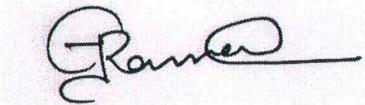


MARCH 2021

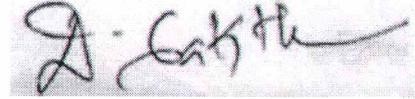
ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “PREPARATION AND EMISSION ANALYSIS OF NEEM OIL BIODIESEL” is the bonafide work of **GOKUL L (311817114301) ABDUL BASIT (311816114002) MANOJ KUMAR (311817114028) KARTHICK KUMAR (311817114025)** who carried out the project work under my supervision.



SIGNATURE
Mr.G RAMESH (ME, PhD)
HEAD OF THE DEPARTMENT
Department of Mechanical Engineering
Mohamed Sathak A J College of Engineering
IT Sipcot, OMR, Siruseri,
Chennai – 603 103



SIGNATURE
Mr. SAKTHIVEL ME
SUPERVISOR
Assistant Professor
Department of Mechanical Engineering
Mohamed Sathak A J College of Engineering
IT Sipcot, OMR, Siruseri,
Chennai – 603 103

Project Viva-Voce held on 05/08/2021



INTERNAL EXAMINER

SIGNATURE



PRINCIPAL
MOHAMED SATHAK A J COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.
AP - 31181026

EXTERNAL EXAMINER

SIGNATURE

FABRICATION OF BOREWELL RESCUE SYSTEM

A PROJECT REPORT

Submitted by

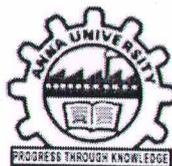
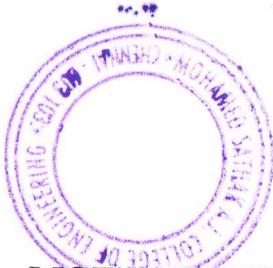
JAMALUL ASHRAQ	311817114023
AZBAQ MEERAN	311817114015
ABDUL MUKSHITH	311817114003

*in partial fulfillment for the award of the degree
of*

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING



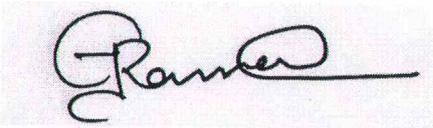
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SIRUSERI IT PARK, OMR, SALAI (OMR), SIPCOT - AT. BEAK
Siruseri, Chennai - 603 103.

ANNA UNIVERSITY : CHENNAI 600 025
MARCH 2021

BONAFIDE CERTIFICATE

Certified that this project report "FABRICATION OF BOREWELL RESCUE SYSTEM" is the bonafide work of AZBAQ MEERAN.F (311817114015) ABDUL MUKSHITH.A (311817114003) JAMALUL ASHRAQ.I (311817114023) who carried out the project work under my supervision.



SIGNATURE
Mr.G RAMESH
HEAD OF THE DEPARTMENT
Department of Mechanical Engineering
Mohamed Sathak A J College of Engineering
IT Sipcot, OMR, Siruseri,
Chennai – 603 103



SIGNATURE
Dr.R SENTHILKUMAR
SUPERVISOR
Professor
Department of Mechanical Engineering
Mohamed Sathak A J College of Engineering
IT Sipcot, OMR, Siruseri,
Chennai – 603 103

Project Viva-Voce held on 05/08/2021



INTERNAL EXAMINER



PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No. 44 Rajiv Gandhi Salai (OMR), SIPCOT - IV
Siruseri, Chennai - 603 103.
(K. S. SUNDARAM
AP - 31181026)

EXTERNAL EXAMINER

FABRICATION OF BRAKE FAILURE INDICATOR ALARM

A PROJECT REPORT

Submitted by

MOHAMED ALI HASAN.S.A (311817114009)

AHAMED MUKSHITH.M (311817114030)

ABDUL RAHIM.A.K (311817114004)

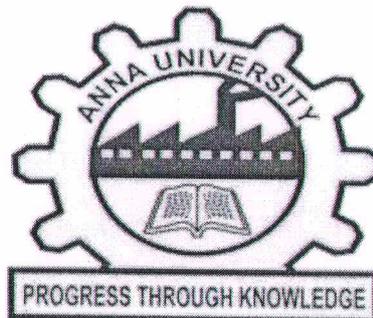
*In partial fulfilment for the award of the
degree of*

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

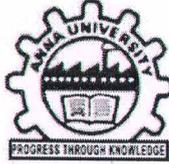
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BONAFIDE CERTIFICATE

It is certified that this project report titled "**FABRICATION OF BRAKE FAILURE INDICATOR ALARM**" is bonafide work of **ABDUL RAHIM A.K (311817114004), AHAMED MUKSHITH.M (311817114009) MOHAMMAD ALI HASAN S.A (311817114030)**, who carried out the research under my supervision.

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(K. CHANDRAN SUNDARAM
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EXTERNAL EXAMINER

**STUDY OF MECHANICAL AND METALLURGICAL
PROPERTIES OF MAGNESIUM (AZ31D)/SIC COMPOSITE
FABRICATED THROUGH POWDER METALLURGY
TECHNIQUE**

A PROJECT REPORT

Submitted by

A.ABDUL WAHAB	311817114006
B.A.MOHAMED MUSRAF	311817114040
SYED N. ZAHEER ABBAS	311817114056
MOHAMMED ZAIN.J	311817114047

In partial fulfilment for the award of the degree

of

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in

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EXTERNAL EXAMINER

EXPERIMENTAL ANALYSIS OF MICROCHANNEL HEATSINKS FOR ELECTRONICS COOLING

A PROJECT REPORT

Submitted by

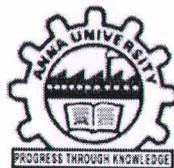
PANDIDURAI.R	311817114050
SHAKESPEAR.N	311817114054
AKASH.D	311817114011

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of*

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in

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Certified that this project report **“EXPERIMENTAL ANALYSIS OF MICROCHANNEL HEATSINKS FOR ELECTRONICS COOLING”** is the bonafide work of **PANDIDURAI.R (311817114050)** **SHAKESPEAR.N (311817114054)** **AKASH.D (311817114011)** who carried out the project work under my supervision.

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EXTERNAL EXAMINER

**EXPERIMENTAL INVESTIGATION ON AA5083
REINFORCED WITH Al₂O₃ & SiC
PARTICULATES COMPOSITES PRODUCED
BY POWDER METALLURGY ROUTE
A PROJECT REPORT**

Submitted by

GANDHISUBASH.K (311817114018)
ARUN PRASATH.R (311817114013)
ATHEEQ MOHAMMED OWAIZ (311817114014)

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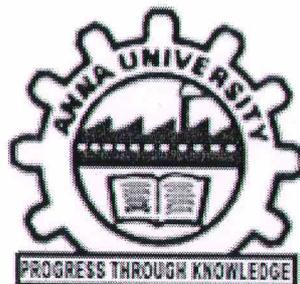
of

BACHELOR OF ENGINEERING

In

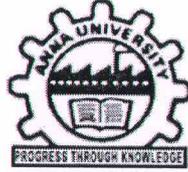
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2021
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Certified that this project report “**EXPERIMENTAL INVESTIGATION ON AA5083 REINFORCED WITH Al_2O_3 & SiC PARTICULATES COMPOSITES PRODUCED BY POWDER METALLURGY ROUTE**” is the bonafide work of **GANDHISUBASH.K (311817114018), ARUN PRASATH.R (311817114013) & ATHEEQ MOHAMMED OWAIZ (311817114014)** who carried out the project work under my supervision.

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EXTERNAL EXAMINER



**INVESTIGATION OF MICROSTRUCTURAL AND
MECHANICAL BEHAVIOR OF AA6351/B₄C
COMPOSITES THROUGH POWDER METALLURGY**

A PROJECT REPORT

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R. KIREESH KARAN	311817114026
G. MANIKANDA VENKATARAMAN	311817114027

in partial fulfilment for the award of the degree

of

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MARCH 2021



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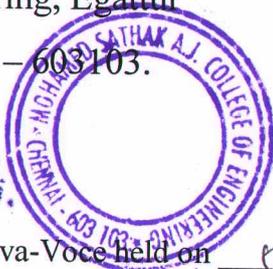
Certified that this project report “INVESTIGATION OF MICROSTRUCTURAL AND MECHANICAL BEHAVIOR OF AA6351/B₄C COMPOSITES THROUGH POWDER METALLURGY” is the bonafide work of “**G. CHANDRASEKAR (311817114016), R. KIREESH KARAN (311817114026), G. MANIKANDA VENKATARAMAN (311817114027)**” who carried out the project work under my supervision.

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EXTERNAL EXAMINER

STUDY OF HEAT TRANSFER PERFORMANCE AND ORIENTATION ANALYSIS OF FLAT HEAT PIPE

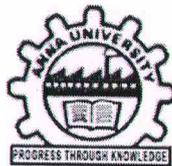
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MARCH 2021



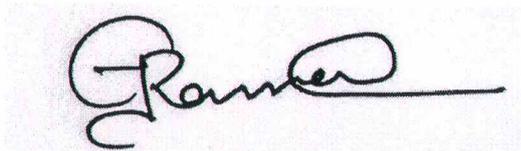
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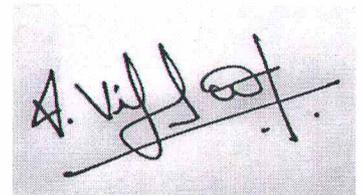
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Certified that this project report "HEAT TRANSFER PERFORMANCE AND ORIENTATION ANALYSIS OF FLAT HEAT PIPE" is the bonafide work of IMRAN.L (311817114022) SAJIDULLAH.K (311817114052) MUHAMMAD FAHIM.J (311817114033) who carried out the project work under my supervision.



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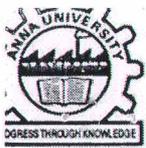
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EXTERNAL EXAMINER





AUTOMATIC PNEUMATIC RAMMING MACHINE

A PROJECT REPORT

Submitted by

MOHAMED ABUBAKKER SIDDIQ.S (311817114029)

MOHAMED IRFAN ALI.S (311817114036)

USAMA.A (311817114057)

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in

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EXTERNAL EXAMINER

FABRICATION OF AUTOMATIC PNEUMATIC CONTROLLED THREE SIDE TILTING TRAILER.

A PROJECT REPORT

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MOHAMED ASKAR .M	311817114032
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Certified that this project report "FABRICATION OF AUTOMATIC PNEUMATIC CONTROLLED THREE SIDE TILTING TRAILER" is the bonafide work of SABIK MOHAMMED.S (311817114051) MOHAMED ASKAR .M (311817114032) MOHAMED IRFAN.A (311817114034) who carried out the project work under my supervision.

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Project Viva-Voce held on 05-08-2021

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**FABRICATION OF QUADCOPTER WITH
AGRICULTURAL PESTICIDE SPRAYER**

Project Work

Submitted by

A.IBRAHIM (311817114302)

M.MOHAMED JAVIDH (311817114037)

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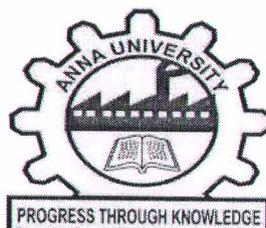
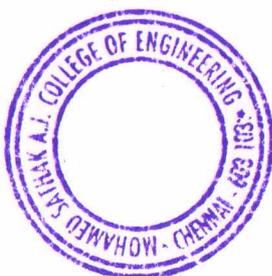
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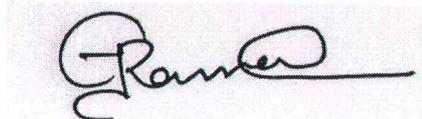

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**EVALUTATION OF MECHANICAL BEHAVOUIR OF
ALUMINIUM E-GLASS COMPOSITE**

Project Work

Submitted by

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M.MOHAMED NABEEL (311817114305)
J.MOHAMED YUSUF (311817114044)

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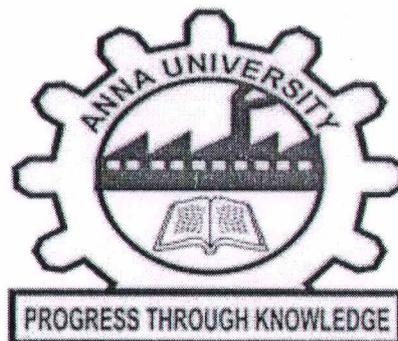
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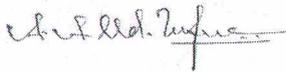
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It is certified that this project report titled “EVALUATION OF MECHANICAL BEHAVIOUR OF ALUMINIUM E-GLASS COMPOSITE” is bonafide work of **A.MOHAMED SATHIK (311817114042) M.MOHAMED NABEEL (311817114305) J.MOHAMED YUSUF (311817114044)** who carried out the project work under my supervision.



SUPERVISOR

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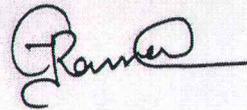
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Submitted for VIVA-VOICE examination held on 05/8/21

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FABRICATION OF PNEUMATIC REVERSE LOCKING TESTING RIG

A PROJECT WORK

SUBMITTED BY

MOHAMMED FARDHAN H (311817114304)

MOHAMED SUHAIL M (311817114043)

JAWAHAR SHALIM S (311817114303)

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Of

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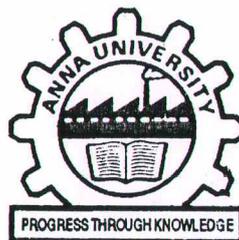
In

MECHANICAL ENGINEERING

MOHAMED SATHAK A.J COLLEGE OF ENGINEERING

CHENNAI – 603103

ANNA UNIVERSITY: CHENNAI 600025



APRIL - 2021

A handwritten signature in green ink, likely of the Principal, is written above the official stamp.

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34, Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603103.

BONAFIDE CERTIFICATE

It is certified that this project report titled "DESIGN AND FABRICATION OF PNEUMATIC REVERSE LOCKING TESTING RIG" is bonafide work of S. JAWAHAR SHALIM (311817114303), M. MOHAMED SUHAIL (311817114043), H. MOHAMED FARDHAN (311817114304), who carried out the research under my supervision.

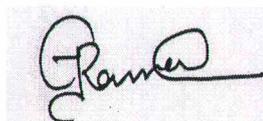


UNDER THE GUIDENCE OF

Mr. P. Saravanan, M.E., (Ph.D)

Assistant Professor,
Mechanical Engineering,

MSA.J College of Engineering,
600103.



HEAD OF THE DEPARTMENT

Mr. G. Ramesh, M.E.,

Head of Department,
Mechanical Engineering,

MSA.J College of Engineering, Chennai -
Chennai - 600103.

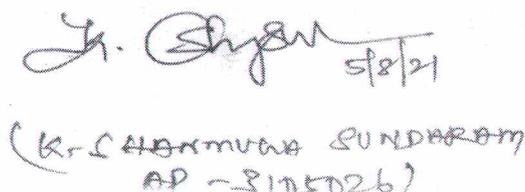
Date of Viva voce: 05/08/2021



Internal Examiner



PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SiPCOT - IT Park
Siruseri, Chennai - 603 103.



(K. SATHANARAYAN SUNDARAM
AP - 3115026)

External Examiner

**INVESTIGATE THE EFFECT OF COPPER AND SiC ASSISTED
DISSIMILAR WELDMENT OF SS304 AND SS316L WITH 308L
ON TIG WELDING.**

Project Work

Submitted by

K. MOHAMED REEFDEEN (311817114041)

J.MUHAMMED SUFYAN (311817114048)

M.MOHAMMED FAYAAS (311817114045)

In partial fulfillment for the award of the

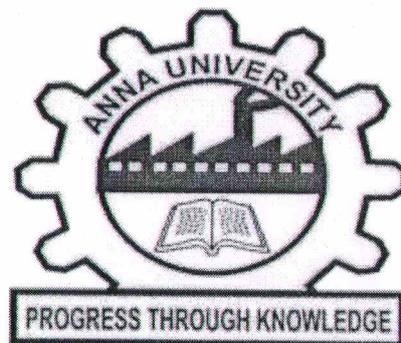
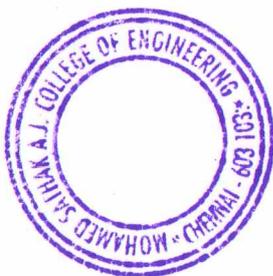
degree of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

MOHAMED SATHAK A.J COLLEGE OF ENGINEERING



[Signature]
PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34, Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 193.

ANNA UNIVERSITY,

CHENNAI – 600025 APRIL 2021

MOHAMED SATHAK A.J COLLEGE OF ENGINEERING

ANNA UNIVERSITY, CHENNAI – 603103

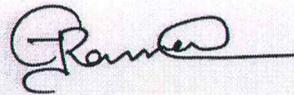
BONAFIDE CERTIFICATE

It is certified that this project report titled “Investigate The Effect Of Copper And Sic Assisted Dissimilar Weldment Of Stainless Steel Grade 304 And 316L With 308L On Tungsten Inert Gas(TIG) Welding” is bonafide work of **K. MOHAMED REEFDEEN (311817114041), J.MUHAMMED SUFYAN (311817114048), M.MOHAMMED FAYAAS (311817114045)**, who carried out the research under my supervision.



UNDER THE GUIDENCE OF

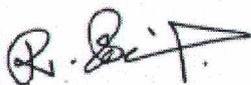
Mr. J. Rajesh, M.E.,
Assistant Professor,
Mechanical Engineering,
MSA.J College of Engineering,
Chennai - 600103.



HEAD OF THE DEPARTMENT

Mr. G. Ramesh, M.E.,
Head of Department,
Mechanical Engineering,
MSA.J College of Engineering,
Chennai - 600103.

Date of Viva voce: 05/08/2021



Internal Examiner



PRINCIPAL
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No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Sirsori, Chennai - 603 103.



(K. SATHANARAYAN SUNDARAM
AP - 3105026)

External Examiner



MOHAMED SATHAK A J COLLEGE OF ENGINEERING
Sponsored by Mohamed Sathak Trust
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Siruseri IT Park, Egattur, Chennai 603 103

INTERNSHIP



THERMODYN EDUTECH

Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. AAYATHUL MUFARAK A** , Reg.No: **311819114001** , pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT -IT Park
Siruseri - Chennai - 603 103.

Regd. Office: No.83/35, LDG Road, Little Mount, Chennai-600015, Website: www.thermodynedutech.com/
Ph. no: +917402378808



THERMODYN EDUTECH

Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. ABDULLAH B , Reg.No: 311819114002 ,** pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Strasari, Chennai - 603 102.

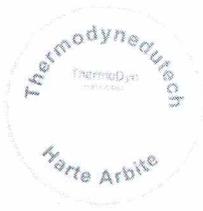


THERMODYN EDUTECH

Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. ATEF JAMALUDEEN N, Reg.No: 311819114003**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft madeup of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.



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Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. BALAJI J, Reg.No: 311819114004**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
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Ph. no: +91 7402378808



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Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. GOKUL M, Reg.No: 311819114005**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



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Siruseri, Chennai - 603 103.



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Date: 07.09.2021

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This is to certify that **Mr. GUNAL S, Reg.No: 311819114006**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



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No.34, Rajiv Gandhi Salai (OMR), SIPCOT - IT Park,
Siruseri, Chennai - 602 103.



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Date: 07.09.2021

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This is to certify that **Mr. HELAL AHAMED M, Reg.No: 311819114007**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



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Siruseri, Chennai - 603 103.



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Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. JAHETH SALMAN B, Reg.No: 311819114008**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



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No.34, Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 600 103.



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Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. KABIR MOHAMED A, Reg.No: 311819114009**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on “Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS”. During this period his character and conduct was good.



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MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

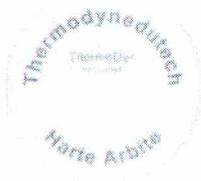


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Date: 07.09.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. LAXSHAN M, Reg.No: 311819114010**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 06/08/2020 TO 07/09/2020 on "Development of Crank shaft made up of alloy for four wheeler using SOLIDWORKS". During this period his character and conduct was good.



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No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.



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Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that Mr. **MOHAMED ARSATH M**, Reg.No: **311819114011**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on "Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT". During this period his character and conduct was good.



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Director

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT-ITPark
Siruseri, Chennai - 603 103.

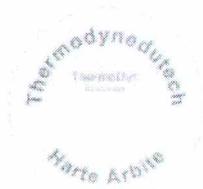


THERMODYN EDUTECH

Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that Mr. **MOHAMED SHAJITH M**, Reg.No: **311819114013**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on “Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT”. During this period his character and conduct was good.



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Director

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.



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Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that Mr. MOHAMED TOWFIC A, Reg.No: 311819114014, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on "Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT". During this period his character and conduct was good.



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Director



PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

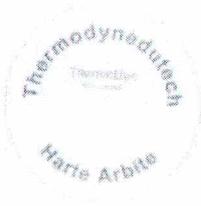


THERMODYN EDUTECH

Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **MOHAMMED IRFAAN P, Reg.No: 311819114015,** pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on "Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - 47, Park
Siruseri, Chennai - 603 103.



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Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that Mr. MOHAMMED ISMAIL M, Reg.No: 311819114016, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on "Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT". During this period his character and conduct was good.



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Director

PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34, Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

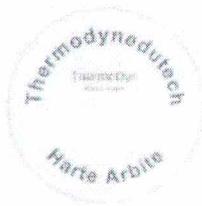


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Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. MOHAMMED KURSHITH ALI M, Reg.No: 311819114017**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on “Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT”. During this period his character and conduct was good.



For THERMODYN EDUTECH


Director



PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34, Rajiv Gandhi Salai (O.M.R.), SIPCOT - II Park
Siruseri, Chennai - 601309

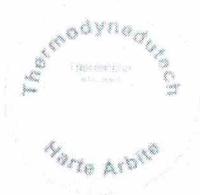


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Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. MUSHARRAF ALI S, Reg.No: 311819114018**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on “Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT”. During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.



THERMODYN EDUTECH

Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. NAJUBUDEEN K, Reg.No: 311819114019**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on "Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL

M. SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.



THERMODYN EDUTECH

Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. SHIEK HUSSAIN A, Reg.No: 311819114020**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on "Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

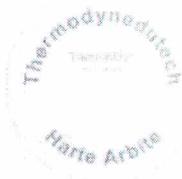


THERMODYN EDUTECH

Date: 20.12.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. UMAR MUBARAK M, Reg.No: 311819114021**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 19/11/2020 TO 20/12/2021 on "Analysis of Engine Cylinder Wall Temperature using ANSYS-FLUENT". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT -IT Park
Siruseri, Chennai - 603 103.



THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. ARSATH. A, Reg.No: 311819114301**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on "Analysis of Vehicle body made up of composite material using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.



THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. KARTHIK. S, Reg.No: 311819114302**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on “Analysis of Vehicle body made up of composite material using SOLIDWORKS”. During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

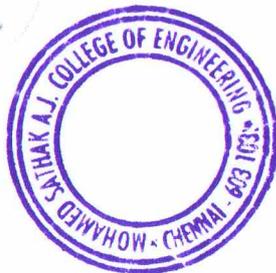


THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. MANIKANDAN P, Reg.No: 311819114303**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on “Analysis of Vehicle body made up of composite material using SOLIDWORKS”. During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.



THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. MOHAMMED AASHIK.M, Reg.No: 311819114304**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on “Analysis of Vehicle body made up of composite material using SOLIDWORKS”. During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT -4th Rank
Siruseri, Chennai - 603 103.



THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. RAM KUMAR .C, Reg.No: 311819114305,** pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on “Analysis of Vehicle body made up of composite material using SOLIDWORKS”. During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

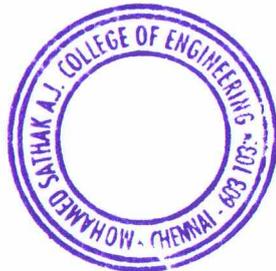


THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. SALAUDEEN BADUSHA. S, Reg.No: 311819114306**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on "Analysis of Vehicle body made up of composite material using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34, Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

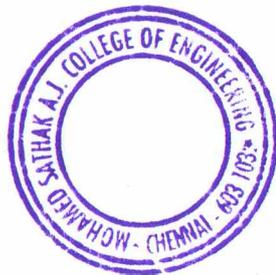
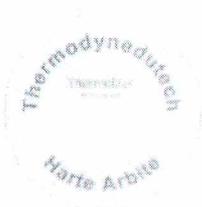


THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. SANJAY KUMAR C, Reg.No: 311819114307**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on “Analysis of Vehicle body made up of composite material using SOLIDWORKS”. During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

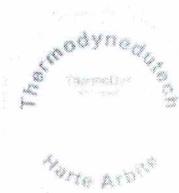


THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that Mr. SYED SUFFIYAN, Reg.No: 311819114308, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on "Analysis of Vehicle body made up of composite material using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director



PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

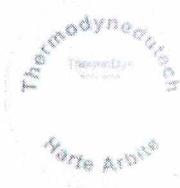


THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. UMASHANKAR. V, Reg.No: 311819114309,** pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on “Analysis of Vehicle body made up of composite material using SOLIDWORKS”. During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34.Rajiv Gandhi Salai (OMR), SIPCOT - IT Park
Siruseri, Chennai - 603 103.

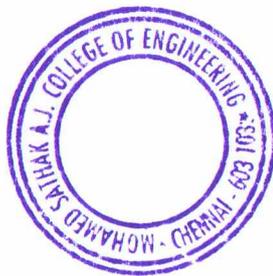


THERMODYN EDUTECH

Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. VIJAYSARATHI. V, Reg.No: 311819114310**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on "Analysis of Vehicle body made up of composite material using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

PRINCIPAL

MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
No.34,Rajiv Gandhi Salai (O.M.R), SIPCOT - IT Park
Siruseri, Chennai - 600 103,



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Date: 27.02.2021

TO WHOM EVER IT MAY CONCERN

This is to certify that **Mr. SARATH KUMAR C, Reg.No: 311819114311**, pursuing Bachelor of Mechanical Engineering in Mohamed Sathak AJ College of Engineering, Chennai has successfully completed an Internship from 28/01/2021 TO 27/02/2021 on "Analysis of Vehicle body made up of composite material using SOLIDWORKS". During this period his character and conduct was good.



For THERMODYN EDUTECH

Director

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MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING
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