SYLLABUS/ CURRICULUM



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Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu Mobile : 9842102628, 7373002628 Email: info@psyec.edu.in Website : www.psyec.edu.in

City Office: 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile: 98423-02628

Department of Mechanical Engineering Academic Year 2019-2020

VACME1920BF- Bio Fuels

Objective of the Course

- > To Understand and evaluate various biomass pre-treatment and processing techniques in terms of their applicability to different biomass types.
- To provide students with the basic principles of biofuels and bioenergy systems design **CHAPTER 1:**

Importance of bioenergy and biofuels in solving the energy crisis and global warming **CHAPTER 2:**

Clean sustainable bioenergy, bio-electricity and biogas production from Dairy manure and Food Waste streams

CHAPTER 3:

Pellets made from wood or grass biomass are commercially available at stores for heating homes, schools, businesses.

CHAPTER 4:

Biomass conversion technologies for biofuel. Thermochemical processes: Combustion, gasification, pyrolysis, hydrothermal liquefaction, hydro pyrolysis, torrefaction, choice of thermal process based on biomass type and product requirement

CHAPTER 5:

Bio fuels/ Energy related Environmental economics & social issues. The source, Processing and social impacts of bio fuel utilization

OUTCOMES

- Upon completion of the course the students will able to understand Biofuels
- Students can able to get the basic knowledge on Biomass, pyrolysis, hydrothermal liquefaction, hydro pyrolysis, torrefaction

Total Hours:35

Course Coordinator

HOD/MECH

PRINCIPAL





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Department of Mechanical Engineering

Academic Year 2019-2020

VACME1920BF- Bio Fuels Course Schedule

Date	Time	TOPICS						
	9.00 am to 12.15pm	Importance of bioenergy and biofuels in solving the energy crisis and global warming.						
02/06/2020	1.00 pm to 4.15 pm							
03/06/2020	9.00 am to 12.15 pm	Clean sustainable bioenergy, bio-electricity and biogas production from Dairy manure and Food Waste streams						
	1.00 pm to 4.15 pm	Troni Daily manare and 1 ood waste streams						
	9.00 am to 12.15 pm	Pellets made from wood or grass biomass are commercia available at stores for heating homes, schools, businesses						
04/06/2020	1.00 pm to 4.15 pm	available at stores for heating nomes, schools, businesses						
05/06/2020	9.00 am to 12.15 pm	Biomass conversion technologies for biofuel. Thermochemical processes: Combustion, gasification, pyrolysis						
	1.00 pm to 4.15 pm	processes. Comoustion, gasineation, pyrorysis						
0.510.510.000	9.00 am to 12.15 pm	Thermochemical Processes: hydrothermal liquefaction, hydro						
06/06/2020	1.00 pm to 4.15 pm	pyrolysis, torrefaction, choice of thermal process based on biomass type and product requirement						
	9.00 am to 12.15 pm	Bio fuels/ Energy related Environmental economics & social issues.						
07/06/2020	1.00 pm to 4.15 pm	The source, Processing and social impacts of bio fuel utilization						

Total Hours: 35

Tea Break : 11:00 am to 11:15am & 03:00 pm to 03:15 pm

Lunch Break: 12:15 pm to 01:00pm

Course Coordinator



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DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year 2019 - 2020

One page Report

Name of the course

: BIO FUELS

Development Course Code: VACME1920BF

Course Coordinator

: Mr. S. Pounraj

Date/Duration

: 02.06.2020-07.06.2020 — 35 hours

I here affirm that the Final-year students of strength 50 have been taught the value-added course tittle "Bio Fuels" as per the syllabus and completed within the stipulated time duration.

I confirm that the value-added course titled "Bio Fuels" has been conducted in the beginning of the semester and course delivery along with the attendance of the students was recorded.

I confirmed that all the students were actively participated in the course and the eligible students were certified for the course.

Mr.S. Pounraj.,

Mr.M. Radhakrishnan.,

AP/MECH

ASP/MECH

Principal

Course Co-Ordinator

Head of the Department

PSYEC

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ASSESSMENT PROCEDURE



(Approved by AICTE & Affiliated to Anna University, Chennai)

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Department of Mechanical Engineering

Academic Year 2019-2020

VACME1920BF- Bio Fuels

	Assessment Questions with Answer
1.	1. The term biomass most often refers to
	a) Inorganic matter
	b) Organic matter
	c) Chemicals
	d) Ammonium compounds
2.	Biomass is useful to produce
	a) Chemicals
	b) Fibers
	c) Biochemicals
	d) Transportation fuels
3.	Which one of the following is an example of starch crops biomass feed stocks?
	a) Sugar cane
	b) Wheat straw
	c) Corn stover
	c) Corn stover d) Orchard prunings
4.	
4.	d) Orchard prunings
4.	d) Orchard prunings Which of the following forestry materials can be used as biomass?
4.	d) Orchard prunings Which of the following forestry materials can be used as biomass? a) Logging residues
4.	d) Orchard pruningsWhich of the following forestry materials can be used as biomass?a) Logging residuesb) Tallow
	d) Orchard prunings Which of the following forestry materials can be used as biomass? a) Logging residues b) Tallow c) Fish oil
	d) Orchard prunings Which of the following forestry materials can be used as biomass? a) Logging residues b) Tallow c) Fish oil d) Manure



c) Iron nails

d) Trap grease



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6.	The aerobic digestion of sewage is used to produce
	a) Biomass
	b) Bio fuels
	c) Synthetic fuels
	d) Metal articles
7.	Bio ethanol is denatured alcohol that is also called as
	a) Ethylene
	b) Methylated spirit
	c) Ethylene glycol
	d) Methylene
8.	The production of bio ethanol is by fermenting the and starch
	components.
	a) Acid
	b) Milk
	c) Sugar
	d) Alcohol
9.	The bio ethanol is subjected to rectification to remove
	a) Sugar
	b) Enzymes
	c) Yeast
	d) Impurities
10.	The bio ethanol obtained in the fermentation process has purity.
	a) 99%
	b) 99.2%
	c) 99.4%
	d) 99.7%



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Department of Mechanical Engineering

Academic Year 2019-2020

VACME1920BF- Bio Fuels

Assessment Test Paper

REGISTER NUMBER: 912017114003

a) Hybrid poplar

NAME OF THE STUDENT: B. A lague Pardi

4X 1 V	TE OF THE STUDENT: BY IN LOOK TOWN
1.	The term biomass most often refers to
	a) Inorganic matter
	b) Organic matter
	c) Chemicals
	d) Ammonium compounds
2.	Biomass is useful to produce
	a) Chemicals
	b) Fibers
	c) Biochemicals
	d) Transportation fuels
3.	Which one of the following is an example of starch crops biomass feed stocks?
	a) Sugar cane
	b) Wheat straw
	c) Corn stover
	d) Orchard prunings
4.	Which of the following forestry materials can be used as biomass?
	a) Logging residues
	b) Tallow
	c) Fish oil
	d) Manure
5.	Which of the following is not used as biomass?



d) 99.7%

PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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City Office: 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile: 98423-02628 b) Willow algae c) fron nails d) Trap grease 6. The aerobic digestion of sewage is used to produce _____ a) Biomass b) Bio fuels c) Synthetic fuels d) Metal articles 7. Bio ethanol is denatured alcohol that is also called as _____ a) Ethylene b) Methylated spirit c) Ethylene glycol d) Methylene 8. The production of bio ethanol is by fermenting the _____ and starch components. a) Acid b) Milk e) Sugar d) Alcohol 9. The bio ethanol is subjected to rectification to remove _____ a) Sugar b) Enzymes c) Yeast d) Impurities 10. The bio ethanol obtained in the fermentation process has _____ purity. a) 99% b) 99.2% c) 99.4%

Department of Mechanical Engineering

Student Performance Sheet

Academic Year :

: 2019-2020

Cource Code

: VACME1920BF

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

	Assess	ment marks			
Sl. No	Register Number	Student Name	Marks		
1	912017114001	Ajith Kumar S	78		
2	912017114002	Alagumuthu A	80		
3	912017114003	Alagu Pandi B	90		
4	912017114004	Ariya Muthu T	92		
5	912017114005	Arun Kumar G	94		
6	912017114006	Arun Kumar P	96		
7	912017114007	Balamurugan K	84		
8	912017114009	Dhinesh Kumar P	86		
9	912017114011	Gokul Praveen V	84		
10	912017114012	Gunasekaran A	8 2		
11	912017114013	Gururaja T	81		
12	912017114015	Harisudhan E	81		
13	912017114017	Kalaiselvan S '	92		
14	912017114018	Kaleeswaran R	94		
15	912017114019	Kannan M S	96		
16	912017114020	Karpoorasundarapandian J	88		
17	912017114022	Krishna Raj K	84		
18	912017114024	Lakshmanan M	86		
19	912017114025	Lakshmanan S	74		
20	912017114026	Logeshwaran R	76		
21	912017114027	Manikandan S	78		
22	912017114028	Mathava Sankar S	76		



7114030 Muth	nu Krishnan A	74
7114031 Naga	raj R	78
7114034 Prav	een Kumar K	76
7114035 Prav	een Kumar R	74
7114036 Prem	kumar S	84
7114038 Raj I	Kumar P	92
7114039 Ranj	ith M S	90
7114040 Rogl	nas R	96
7114041 Sant	nosh S	94
7114042 Sant	osh Kumar K	96
7114043 Sarat	hkumar J	88
7114044 Sarat	hkumar M	84
7114045 Sella	Muthu R	86
7114046 Selva	am G	88
7114048 Siva	Suriyan T	84
7114049 Sree	Hari Markkam M	86
7114050 Syed	Ali S	92
7114052 Than	esh Kumar C	94
7114053 Vasa	ntha Kumar K	95
7114054 Venl	katesh Pandia Rajan M	96
7114055 Vetr	Manikandan K	96
7114301 Bara	nitharan C	98
7114302 Gop	nathan R	90
7114303 Kali	rajan G	96
7114304 Kart	hikeyan E	98
7114305 Kath	irvel G	94
	irvel G ish T	96
	7114031 Naga 7114034 Prave 7114035 Prave 7114036 Prem 7114038 Raj k 7114039 Ranji 7114040 Rogh 7114041 Santh 7114042 Santh 7114043 Sarat 7114044 Sarat 7114045 Sella 7114046 Siva 7114049 Sree 7114050 Syed 7114051 Vasa 7114053 Vasa 7114054 Venk 7114055 Vetri 7114301 Bara 7114303 Kalin	7114031 Nagaraj R 7114034 Praveen Kumar K 7114035 Praveen Kumar R 7114036 Premkumar S 7114038 Raj Kumar P 7114039 Ranjith M S 7114040 Roghas R 7114041 Santhosh S 7114042 Santhosh Kumar K 7114043 Sarathkumar J 7114044 Sarathkumar M 7114045 Sella Muthu R 7114046 Selvam G 7114048 Siva Suriyan T 7114049 Sree Hari Markkam M 7114050 Syed Ali S 7114051 Vasantha Kumar C 7114053 Vasantha Kumar K 7114054 Venkatesh Pandia Rajan M 7114055 Vetri Manikandan K 7114301 Baranitharan C 7114302 Gopinathan R 7114303 Kalirajan G

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PRINCIPAL

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STUDENTS ATTENDANCE

Pandian Saraswathi yadav Engineering College, Arasanoor - 630561 Department of Mechanical Engineering

Student Attendance Sheet

Academic Year

: 2019-2020

Cource Code

■: VACME1920BF-

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

	Attenda	ince Sheet			Da	te:	2-06.	2020
SI. No	Register Number	Student Name	09.00 am - 10.00 am	10:00 am - 11:00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912017114001	Ajith Kumar S	A) ih kund	Agith Kaner	Ajuli Keener	AjothKure	1 Aphkuma	ajthkunar
2	912017114002	Alagumuthu A	Agarleens	Algunathia		•		
3	912017114003	Alagu Pandi B	Alagurande	Alas Pardi	Alegipad	Alexander	Alagupado	Alampad.
4	912017114004	Ariya Muthu T	Arriganof.	Arrigante	Areamothe	Ariguneth	. Areyardhe	Arriandhu
5	912017114005	Arun Kumar G	Arenkeman	Annieman	Arunkumar	Anukuma	Anunkumay	Americanon
(912017114006	Arun Kumar P	Kurron	Arus	Aren	Homen	Aren Kuman	Arun Kuman
7	912017114007	Balamurugan K	Balgnoon	Balance	Balance	Balance	Bleman	Balanuc
8	912017114009	Dhinesh Kumar P	Phones	Dhinek.	Harrit	Dines	Dhinay	Direct
- 9	912017114011	Gokul Praveen V		Groken bronen	Gold proven	Broken prover		Gokul praver
1(912017114012	Gunasekaran A	Cunasker	Circollor	Gran Salana	Morealles	O'STON SON	O'STOOK STAN
11	912017114013	Gururaja T	r Churavaja	Timurerafa	7. enurvæje	T. Overvaraja	7. aurusge	1. Istururaja
12	912017114015	Harisudhan E	Havisudhan	horisedian		housedhan	havisudhan	britishan
13	912017114017	Kalaiselvan S	Kalaidle	Kalarsolu	Kabidob	Kabida	-Kalaineb	- federials
14	912017114018	Kaleeswaran R	Kaleesaconan	Kateesuaran	koleesware	Kaleosua	Kalvesuman	Kaleesaara
1:	912017114019	Kannan M S	Hami	House	Kan	Kanu	dann	Kome
10	912017114020	Karpoorasundarapandian J	Kodo	K.D	kato	Keet	kul	KA
1	912017114022	2 Krishna Raj K	Krish	- Krof.	Joins	Lord	- Krish	Krish
1:	912017114024	Lakshmanan M	jako.	Lakel	Lote	. Lakel	Lakel	Jaket.
1	912017114025	5 Lakshmanan S	Lakehna	hauthm	Lalbrie	Boken	Laken	Lakeshm
2	912017114026	6 Logeshwaran R	Lagarham	D. Logedian	2. Lagerne	2. Logar	D. Lagore	2. Logen
2	912017114023	7 Manikandan S	Mani kandan	Panikardon's	2. Lagermen	Now Marda	Hand harden	parisanda
2	912017114028	8 Mathava Sankar S	Made	molles	hote	Noth	nother	mode

23	912017114030	Muthu Krishnan A	muttukerichy	mithekrishm	New bails	wathrocho	Neuthukodh	Neuthukrisha
24	912017114031	Nagaraj R	Noovaj.	Negaras	Negaraj	Ungaraj '	Lagaray'	Nagaraj
25	912017114034	Praveen Kumar K	Prave	Paraves	Pravia	Pare	Prave	Proven
26	912017114035	Praveen Kumar R	Pront	Pray	fray	pray	Praus	prou
27	912017114036	Premkumar S	PLOTO.	Prem	Prem	Prem	Prom 1xuman	Prem
. 28	912017114038	Raj Kumar P	Pajku	Pajkun.	Raffer	Rajlkan	- Rojkhan	Pajka
29	912017114039	Ranjith M S	Park	Radol	Rank	Roith	Rayth	Kangh.
30	912017114040	Roghas R	Desert 2	rogher R	Despos &	2.20g/s	2. Rogers	& bopper
. 31	912017114041	Santhosh S	Santhosh &	ganthosh-s	Santhoski	Sinthosh	ganthosh's	Santhoshis
32	912017114042	Santhosh Kumar K	sol.	Sandon	South	Sook	Sofe	Salle
33	912017114043	Sarathkumar J	Saret .	Sanot	Coto	Saraf	Sant	Sarate
34	912017114044	Sarathkumar M	Smooth	state.	and -	South	Sarab	2000th
35	912017114045	Sella Muthu R	Sillomether	Slamuther	Sellamuther	sellamethe	Sillamuthu	allomather
36	912017114046	Selvam G	delvam'	Jelle	delia	Selvan	Johan	Selvan.
37	912017114048	Siva Suriyan T	grade	Avssu	- Jack	Make	Stab	Stock
38	912017114049	Sree Hari Markkam M	Steelver	Ireels.	Speech	Stech	Snecho	Stoche
39	912017114050	Syed Ali S	symbole	condali	Synd ali	Syrdali	Sydali	sydali
40	912017114052	Thanesh Kumar C	Thorn 2	e. Krokenon	C. There	Cilveria	- Kronch	C. Kranny
41	912017114053	Vasantha Kumar K	asantan	vasentla:	vasantha	vouganthe	voieth not ha kumay	roughnther kurnow
42	912017114054	Venkatesh Pandia Rajan M	veld.	Valor	VILL	Vect	Voul	not.
43	912017114055	Vetri Manikandan K	Veterior	Notehn	Verton	voltar	Vegnon	with a
44	912017114301	Baranitharan C	Borend.	Barrent	Barre	Caro.	Bare	Baren.
45	912017114302	Gopinathan R	Copna	CHOPE	Crope	Crops	Crope	Broth
46	912017114303	Kalirajan G	Kallroy.	Kalinge	Kalina	Halin	Kalina	kalal_
47	912017114304	Karthikeyan E	hat	kab?	kert	Harth	keether	Kork
48	912017114305	Kathirvel G	Kathivel	Kahinel	Kathiwa	Korthinal	Kathinal	hothird
49	912017114306	Sathish T	Sett.	Call	Sath.	Soft.	ath.	Sett.
50	912017114701	Manikandan R	norther 2	2. Nortude	Rynord	a. Rosen	a norted	R. markn

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Department of Mechanical Engineering

Student Attendance Sheet

Academic Year

: 2019-2020

Cource Code

■: VACME1920BF-

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

	Attenda	nce Sheet			Da	te: 02	.06.2	020
SI. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am		01.00 pm -		03.15 pm -
1		Ajith Kumar S	Art Par		Attacks	Pige S	air a	Pilty
2	912017114002	Alagumuthu A	Alagurudu			A-Alaga A-Dlaga	Aplagueuth	A. Abguleur
3	912017114003	Alagu Pandi B	Algar.	Palax	place	Along	Algere	Alagae
4	912017114004	Ariya Muthu T	Anyameth	Ariyandh	Ariganish	Argand	Myangh	Ariyanoft
5	912017114005	Arun Kumar G	Dunkuray	Arunkumarı	Arenkumai	Arrinkumor	Aunkumar	Arukumay
6	912017114006	Arun Kumar P	Broken	Arunken	Arenkue	Premble	- Arun ku	Arunke
7	912017114007	Balamurugan K	Balanco	Baldon	Balani		Balance	Ralaur
8	912017114009	Dhinesh Kumar P	Dhinash	Phinesh	Direct	Dhinesh	Dhinesh	Drykes
9	912017114011	Gokul Praveen V	Cokelpaner	Cokulpaner	Groky	Cokul praves	Gokul prava	Grokul prove
10	912017114012	Gunasekaran A	Congram	Orange	Owweller P	Constant	Oxumblan P	Chosentum
11	912017114013	Gururaja T	onverse	T. Chercu raje	1. Chirage	J. raja	T. courcingla	
12	912017114015	Harisudhan E	hovisudhan	havisudhan	have siden	havi sudba	harisudhan	havi sedhar
13	912017114017	Kalaiselvan S	Kalasel.	Kaleyl.	kalaith	Hadwide	Kalail	tolassl
14	912017114018	Kaleeswaran R	Helpeser	Halcom	Kalper	Kalace	Keller	Kalensh
15	912017114019	Kannan M S	dur	Kanna	Lane	Kome	Koon	bone
16	912017114020	Karpoorasundarapandian J	K.W	Kul	KAY	KARU	KIABI	K.Aby
17	912017114022	Krishna Raj K	Krishna Ray	Krishen	Krisha	KonWha	knishra Ray'	Krisha
18	912017114024	Lakshmanan M	fabel	Jobel	falot	Lake	Jokes.	Jokes
19	912017114025	Lakshmanan S	Latherhure	Lakshu	Lakshn	Cakesha	Lakrhe	Lastral
20	912017114026	Logeshwaran R	LOPE	costs R	LOGIE	Carlot	Copy	Cook &
21	912017114027	7 Manikandan S	Mani Kardu	Ha nikamban	Marning	tog hand	range	rando
22	912017114028	B Mathava Sankar S	modfave	mathever	modha	Modhava Jan ka	1 CETTIVE VOL	Modlar

			mushy kew shoe					
23	912017114030	Muthu Krishnan A	Mandacashie	withakasha	Now The to The	Mutherit	Wuthuku'ha	Whithy kruther
24	912017114031	Nagaraj R	My .	Nale	Magel	Nagraf	Negda	Nagal.
25	912017114034	Praveen Kumar K	Popay'	prans	Pray	Pray	pray	pray
26	912017114035	Praveen Kumar R	Provent.	Pravau to	Provocadu	Pravour	Pravalle	Promonte
27	912017114036	Premkumar S	Dowland	Prockumar	Prontem	Renkun	profes	from Kum
28	912017114038	Raj Kumar P	Rai Kun	Dayble	Rajbu	Roujke	Rayke	Pay ferm
29	912017114039	Ranjith M S	Royls	Rugher	Rank	Ray	Routh	Rankly
30	912017114040	Roghas R	2 arhus R	Roshs	Redor	Safe B	Region	Dato 12
. 31	912017114041	Santhosh S	30 Thoshis	Santhasus	Santhosis	In Thosh	Santhorn	gothest s
32	912017114042	Santhosh Kumar K	Saple	Soften	July	Seather	Senth	South
33	912017114043	Sarathkumar J	Seventh	Sarath	Garath	South	Spreath	Barath
34	912017114044	Sarathkumar M	SALL.	Snoth	Some	Sorall	Sorath	Saraber
35	912017114045	Sella Muthu R	Cellamette	Sellamethe	Slamuth	Sillamuth	Sellamuthe	Sellamethy
36	912017114046	Selvain G	Selvai	Selvan	Jelevan	Seelva	Solvan	Selvan
37	912017114048	Siva Suriyan T	Givake	Sivaste	Sivadan	Josh	Public	Male
38	912017114049	Sree Hari Markkam M	Grand	Gralde	Iral	Inex	Quel	Jecha.
39	912017114050	Syed Ali S	Sydali	Byedali	Cydali	Sydali	sydali	Syedati
40	912017114052	Thanesh Kumar C	The land	hy	Showy Kor	(Mar	Karan Kar	Throng pen
41	912017114053	Vasantha Kumar K	vasanthe		vasanthe kare			Bastaan Reproce
42	912017114054	Venkatesh Pandia Rajan M	hall	I helter	Verb	Veer	Viel.	Vegh
43	912017114055	Vetri Manikandan K	Vaterilla	Vedrica	Water	4	verinou	01
44	912017114301	Baranitharan C	Burento		Caref	Barte.	Bornet.	Borale
45	912017114302	Gopinathan R	and of	Chapmak	Can R	Goon	CHORN	Copman
46	912017114303	Kalirajan G	Calm!	Reliente	Le lando	Souther	baltrete	Kelizan
47	912017114304	Karthikeyan E	Carling .	bud to	La Al	Karothy	Imalile.	Landland
48	912017114305	Kathirvel G	tankive	work mil	la frage	Katheria	(Karthard	Motherela
49	912017114306	Sathish T	Set .	Set	Sall	Satt	2 DA	349
50	912017114701	Manikandan R	markin ?	make 2	maken	marked.	rower	maller 2

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Department of Mechanical Engineering

Student Attendance Sheet

Academic Year

: 2019-2020

Cource Code

■: VACME1920BF-

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

Attendance Sheet			Date: 04.06.2020					
SI. No	Register Number	Student Name	09.00 am - 10.00 am '	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912017114001	Ajith Kumar S	Alle	Alto 9	Alle	Pigh Lang	Me for	ANTE
2	912017114002	Alagumuthu A	Alaganuru	A Atabupun	A. Plagueros	progress	A Alagunu	A. Adgutur
3	912017114003	Alagu Pandi B	Pales	Polace	- Den-	Alon	Alan -	Alon
4	912017114004	Ariya Muthu T	Prisage	Huso	Arriga	migh	Ariga math	Deigh
5	912017114005	Arun Kumar G	Armkuray	Amerkunar	Murkuman	Markemor	Arunkerman	Arenkuman
6	912017114006	Arun Kumar P	Aran Hun	Aruber	Annaker	From Ke	Brunka	Howk
7	912017114007	Balamurugan K	Balan	- Belguna	Below	Dolamo	Bolomes	Bolow
8	912017114009	Dhinesh Kumar P	Jang	Hul	Drug	Dhough	Dhul	Dhirof
- 9	912017114011	Gokul Praveen V	Grokel proven	Ochulponed	Frokul ponos	Gokul por	Gokul Pover	Gukul praveon
10	912017114012	Gunasekaran A	Contra	Curter	CARTE	orgin	Corre	Congress
11	912017114013	Gururaja T	owning	universita	TOWN	TOWN	r. Cremogy.	(Correged
12	912017114015	Harisudhan E	lowisuolbar	Lavicudhan	havisudhan	havisucho	havisidhan	hovisedhan
13	912017114017	Kalaiselvan S	full-	Jado	Selp	Kula.	Isale-	1/2/2
14	912017114018	Kaleeswaran R	Kalachen	Kalpelin	Kalen	Kalene	Kalaeyee	Kalousu
15	912017114019	Kannan M S	Kamain	Harra	Kannan	Karnan	forman	Ixanran.
16	912017114020	Karpoorasundarapandian J	Knothy	KALLY	Kathy	kity	k. Hut	k. Aby
17	912017114022	Krishna Raj K	KnolfR	Knild	knuly	. knowled.	kristoni	Krisdak
18	912017114024	Lakshmanan M	Lakehow	Jakel	Jakshin	Jakehn	- Jokehi	· Lakshu.
. 19	912017114025	5 Lakshmanan S	Labeter	Lakeha	Lakern	Lakshu	Lakerh	lakohm
20	912017114020	5 Logeshwaran R	Laguer P2	Large	10gen	rop 6	to get P	vorte +
2	912017114027	7 Manikandan S	Hall kudo	non Phaga	out the	Yan Good	Marshara	Har gear
22	912017114028	8 Mathava Sankar S	mattera	Marthava San kan	Madhara San kar		, mottave Son kar	Jan to

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23	912017114030	Muthu Krishnan A	Mathebrichan	Mutherish	Nathabrito	Muthalinih	mutherbrish	shirthaltary.
24	912017114031	Nagaraj R	Real	Negar	have	Negz	Soot	Lagol.
25	912017114034	Praveen Kumar K	Providen Ky	Pravoun &	Prounk	2 Provan M	- Prover Ke	. Procente
26	912017114035	Praveen Kumar R	prouj	Pray	Pracy	provi	Prans	Pray'
27	912017114036	Premkumar S	Prom	Prem	Prom	Grew	Knew	Know
28	912017114038	Raj Kumar P	Ray Kuman	Rajkun	Raykum	Paykeum	Pajken.	Rojkuna
29	912017114039	Ranjith M S	mil	wanth	rough	rough-	rayil	rangel
30	912017114040	Roghas R	Defra R	Rest	Por R	300te	pos a	Roof
. 31	912017114041	Santhosh S	ganhosh	gan thosh	San art	senther	Sur Kosh	suthosh
32	912017114042	Santhosh Kumar K	South	Sal	Sher	Jak	Jeff	Janos.
33	912017114043	Sarathkumar J	Jork	Se	- Sig-	Sarge	Sarak	Janey
34	912017114044	Sarathkumar M	graff ken	SarahKu	Second de	- Seveth	barrothke	Soother
35	912017114045	Sella Muthu R	Silamuther	Sillamutho	Monuth	Ellamuth	Slomethe	Sillamither
36	912017114046	Selvain G	Selvani	Selvam	Solven	Selvan	Solvan	Selvan.
37	912017114048	Siva Suriyan T	die	Mu	Size-	Jan.	Him	Sim
38	912017114049	Sree Hari Markkam M	grea.	Some	Show	Sum	how	Sreak.
39	912017114050	Syed Ali S	Syedali	cretali	Sycdali'	Bydali	Syddli	Spedali'
40	912017114052	Thanesh Kumar C	make c	KAN Y	There for	The host	pline.	The
. 41	912017114053	Vasantha Kumar K	VES good	vasanth	vasanh	valant		vestian
42	912017114054	Venkatesh Pandia Rajan M	Veil	Mohr.	Newb	Vary	reter	vous.
43	912017114055	Vetri Manikandan K	Market	Notehn	John on	Nech	votajn	Natriba
44	912017114301	Baranitharan C	Buents	Bartla	Bush	Barel	But	Boufe.
45	912017114302	Gopinathan R	Graph	G200	Cap	Goo.	Gra	Gog.
46	912017114303	Kalirajan G	Kaliva	Isola -	Kell	JAB .	Kalif	Kalip
47	912017114304	Karthikeyan E	1	1.50	Sid .	Salo	Kant	ha
48	912017114305	Kathirvel G	Jathina	Iraland	Kathanal	· Kathims	1 xallard	Pather
49	912017114306	Sathish T	Jaka	Selfs	Lett	Sett	Sett	Jet.
50	912017114701	Manikandan R	waits	mark R	and the	with	months	mark of
30		<u> </u>	I whom OK	100 1-	La 15	10.5	+ hast	LA F

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Department of Mechanical Engineering

Student Attendance Sheet

Academic Year

: 2019-2020

Cource Code

■: VACME1920BF-

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

	Attenda	nce Sheet			Da	ite: 🕖	5.06.	2020
SI. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
	912017114001	Ajith Kumar S	ARYS	BALES	Dist Ja	ANTES	att 6	All your
	912017114002	Alagumuthu A	Alaguture	A. Near	A. Plasur	A Plaguth	A. Alason	A. Plagut
	3 912017114003	Alagu Pandi B	Alade	Alel	Alon	Alm	Alm	Ale
	912017114004	Ariya Muthu T	Am	Am	Anu	Arre	Ann	Ante
	912017114005	Arun Kumar G	Annkurar	Anunkumer	Brunkwar	Arukura	Prankumoz	Averkumo
	6 912017114006	Arun Kumar P	- Arufer	Pol F	Aurka	Hull	- Am de	Bruk
,	7 912017114007	Balamurugan K	Below	Bolay	Balow	Balan	Rale	Balan
	912017114009	Dhinesh Kumar P	Del	Dub	Dula	Dug	Dhuf	Dhad
	912017114011	Gokul Praveen V	Cooked pour	Gakul ponon	Gakulpiane	n Gotte pour	Gally Prover	Gulidpaver
1	912017114012	Gunasekaran A	contra	Colta	Court A	Conten	Calmagan	Complean
1	912017114013	Gururaja T	anuta	oureregg	ansing!	Omina	onviras	Gran T
1	2 912017114015	Harisudhan E	torisalla	harsiether	havirsation		havisudham	havisadh
1	3 912017114017	Kalaiselvan S	Kalendi	kelusel.	Kalard	- Isolahl	Jolet	Kalan
1	4 912017114018	Kaleeswaran R	Salpeswan) referen	Kalen	Karba	Haleen	Kele
1	5 912017114019	Kannan M S	Kan	Jul	Jen.	Kar	ku	Ku
1	6 912017114020	Karpoorasundarapandian J	K.n.l	K. Aluf	K. Hay	KAW	K AU	KANY
1	7 912017114022	Krishna Raj K	Kill	100	Jak.	10	- July	Jul
1	8 912017114024	Lakshmanan M	lef.	Lat.	fato	Sul	1 f	harla
1	912017114025	Lakshmanan S	Lathelin	lakishm	Jakishin	Jakhm	Jakshu	Jakesh
2	912017114026	Logeshwaran R	COLOR	Logha	LOBE	costo	Las porter	rether
2	91201711402	7 Manikandan S	ropla	plan hu	ranPhy	marthe	Nanhara	Hanshur
2	91201711402	B Mathava Sankar S	not.	math.	Math	mol	most.	Mold

23	912017114030	Muthu Krishnan A	methological	Mutherburker	mutukusho	muthe but	Muther beach	Meither Krafan
24	912017114031	Nagaraj R	Mese	Nal.	Nob	North	Keult	Nacha
. 25	912017114034	Praveen Kumar K	Dog	pray	prose	Per	Paul	Pran
26	912017114035	Praveen Kumar R	Pray	Pray	Pray	Fray	Pray	Pray
27	912017114036	Premkumar S	Prem	Pri	Pm	Pui	pru	Prima
28	912017114038	Raj Kumar P	Rayh	Rufes	Kail	. Rail	. Rath	Pail
29	912017114039	Ranjith M S	Rayth	Routh	Runh	Rugh	Reith	Ruts
30	912017114040	Roghas R	Ship	Dohor	Phase	Dynn	Pol R	Page
. 31	912017114041	Santhosh S	affragu	ganthos is	ganthosh	SanTlosh	Santlas	gandlos
32	912017114042	Santhosh Kumar K	Jak-	dela	Lul	late.	defe	dala
33	912017114043	Sarathkumar J	Salt	and	. Rud	02	Ca	Cell
34	912017114044	Sarathkumar M	,00	-52	Se	SA	QD,	Se
35	912017114045	Sella Muthu R	Ellarathe	Selbonether	Selbruther	Sillorrithe	Silamathu	Silamuther
36	912017114046	Selvain G	gelpai	Selen	Sel	Selfon	Selv.	Selven
37	912017114048	Siva Suriyan T	Mala	Strasse	In war	Hhu	Man	Dun.
38	912017114049	Sree Hari Markkam M	Ju	Joan	Jan	June	Some	you
39	912017114050	Syed Ali S	Sypdali	and ale	Sydali	sydali	Syed ali	syd all
40	912017114052	Thanesh Kumar C	ate	Kinthe .	That e	whe	most c	The
41	912017114053	Vasantha Kumar K	Vasanta	vasanti	Voista	Mastr	vastes	Vastice
42	912017114054	Venkatesh Pandia Rajan M	Voles	Vaux	Vous	Vess	Lane	Vule
43	912017114055	Vetri Manikandan K	notrin	Vagende	Verdelan	nowin	botrian	North.
44	912017114301	Baranitharan C	Barba	Baros	Ban.	Bom	Barr	Barr
45	912017114302	Gopinathan R	Rosen	Coleur	Paron	Crioper	Grow	Gopen
46	912017114303	Kalirajan G	Isaline	Jaka.	Kdin	k.L	Peula	Kalon.
47	912017114304	Karthikeyan E	Ixantle	Isth	LAR.	kul.	leaf	1 Al
. 48	912017114305	Kathirvel G	Menth	1 text	both	Kathi	reach.	beeth.
49	912017114306	Sathish T	Salls	Suther	Set	Soth	Selli	. Sother
50	912017114701	Manikandan R	Andro	not ?	roll R	marge .	marker of	med R
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Department of Mechanical Engineering

Student Attendance Sheet

Academic Year

: 2019-2020

Cource Code

: VACME1920BF-

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

	Attenda	ince Sheet			Da	te: Od	5.06.2	620
SI. No	Register Number	Student Name	09.00 am - 10.00 am	10:00 am - 11:00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
	912017114001	Ajith Kumar S	Agrans	ATH KO	Athes	AMES	Birth S	And Su
2	912017114002	Alagumuthu A	A. Floguero	A Alaseum	A Plasmy	A. Aigal	A Programs	A-ALB guyer
	912017114003	Alagu Pandi B	Alpo	Dl -	Ale	Dhr	Alu	Alre
4	912017114004	Ariya Muthu T	Arryo	Arta	Mors	Are	Andr	Ame 1
	912017114005	Arun Kumar G	Amakuman	Arunkumar	Arunkumor	Amkunar	Prinkuror	mukumy
(912017114006	Arun Kumar P	France	Rower	Anns	Amu	Arm	Anus
	912017114007	Balamurugan K	Boil	Bula	Belo	Ble	Bolo	Bet
	912017114009	Dhinesh Kumar P	Dho	Dur	Dhi	Dhu	Dhr.	Duis
· _ (912017114011	Gokul Praveen V	Gold Pravor	Gakul pous	n Gokul power	Gotulpara	Cakulpratar	Gokulpanan
10	912017114012	Gunasekaran A	carrie	Contra	Cusha	Conta	ماللم	Crawfor
1	912017114013	Gururaja T	Cremas	ourusaja	ourisas	owned	chururaja	own rost
1:	912017114015	Harisudhan E	Parisudan	herdsudan	havisudhan	hariswho	11	tari suchan
1.	912017114017	Kalaiselvan S	let s	Jak.	Kall	Jelf	- Kales	Solda
1	912017114018	8 Kaleeswaran R	Kaker	Jealer	kun	Jam	the	Kahn
1	912017114019	Kannan M S	Janin	Kamar	Kaman	Karmas	. Warman	Kun.
1	912017114020	Karpoorasundarapandian J	K. they	K.Aly	K. Aluj	K. Aluj	K. Huj	Killy
1	7 912017114022	2 Krishna Raj K	. le	len	Un	1/2n	ter	Ku
1	912017114024	Lakshmanan M	Luh	Jall	Look	Lok	· her	holes
1	91201711402	5 Lakshmanan S	Jakehin	Lakshore	Lokshn	Laksha		Jakshna
. 2	912017114026	5 Logeshwaran R	coghan	Letelina R	LOY P	LOSP	Lebar	VOTR
2	1 91201711402	7 Manikandan S	Lamber	months	ranger	-lon Phone	ranken	rankar
2	912017114028	8 Mathava Sankar S	mate	two	hu	two	- he	ma



23	912017114030	Muthu Krishnan A	Mulha Krish	Mulherburk	Mathybeigh	Nouther books	Muthu Krista	weether Bush.
24	912017114031	Nagaraj R	Mayay	Pragarai	Mary	Nagans	Nagary'	Nagary
25	912017114034	Praveen Kumar K	Pravous	Provent	Provos	Proveelle	Praveel	Pravedky
26	912017114035	Praveen Kumar R	Dowy	Pracj	Pray	pray	pravi	Pray
27	912017114036	Premkumar S	Premku	Benkon	Prentum	Pronter	Pren kun	Pronton
28	912017114038	Raj Kumar P	Palkour	Parkum	Rajkur	Reylen	Rajkun	Rayteun
29	912017114039	Ranjith M S	Rankfur	Rough	Royl	Ranjoh	Rough	Royal
30	912017114040	Roghas R	sof p	Roth R	peop	Day 1	Porp	Roter
. 31	912017114041	Santhosh S	300 Thos	garthosh	Senthon	Santhat	gardhash	30 most
. 32	912017114042	Santhosh Kumar K	Solle	Sally	- Jeffer	South	Soft.	Sank ku
33	912017114043	Sarathkumar J	Great	Swall hu	South	Sexate	Broth	Sorallika
34	912017114044	Sarathkumar M	Inale	Jul.	Sant-	Sent	Sarath	Inol.
35	912017114045	Sella Muthu R	Sellameth	Collametter	Sillamuthu	Solumethe	sellamethe	allamuthe
36	912017114046	Selvam G	Jelvari	delvan	solven	Jelvan	Volvon	solvan
37	912017114048	Siva Suriyan T	State	Straken	Staper	Swahn	Shall.	Short
38	912017114049	Sree Hari Markkam M	heel	· Jul	Irah	Swed	- Srell	Sneehun
39	912017114050	Syed Ali S	Gud ali	and ali	sydali	cydali	Sydale	Syedali
40	912017114052	Thanesh Kumar C	By	who .	~ Pc	Restorm	(Topica	The c
41	912017114053	Vasantha Kumar K	Vasenst	Vasanon	vastnih	casarh	vasanth Reon	
42	912017114054	Venkatesh Pandia Rajan M	reeks	Vanto	New	Verl	North	Verlan
43	912017114055	Vetri Manikandan K	notre	wetry	vetul-	mel	very	yeth
44	912017114301	Baranitharan C	Barrell	Barout	Bush	Brolf	Barout.	Barret
45	912017114302	Gopinathan R	Chopter	Coppe .	and	Copia	Dopti	Gropin.
46	912017114303	Kalirajan G	Kalin	Kelin	kdir	Jealin	Kaler	Kalin
47	912017114304	Karthikeyan E	Karfe.	Lyez	South	Kreg -	Jark	hants
48	912017114305	Kathirvel G	Karthel'	Kalland	kortinal	Jacklyn	kohmel	(sathervel
49	912017114306	Sathish T	Jeff.	Agt.	Joth.	Jak	· Sette	Affer.
50	912017114701	Manikandan R	noite	notin	matha	alin ,	ment 2	pole a

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Department of Mechanical Engineering

Student Attendance Sheet

Academic Year

: 2019-2020

Cource Code

: VACME1920BF-

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

	Attenda	nce Sheet			Da	ite: 💍 5	F-06.2	20
SI. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912017114001	Ajith Kumar S	PARC	Ajultas	ANK	Atts	Airl-Kas	A Distance
2	912017114002	Alagumuthu A	Alogatica	p. Algoriu	A Alagore	A. Mayura	A. Aligan	A. Dissuel
3	912017114003	Alagu Pandi B	But	Deple	BA.	Dop	Ming	Burge
4	912017114004	Ariya Muthu T	Tox	Fry	That.	Dave	Ent.	183°
5	912017114005	Arun Kumar G	Arunkumor	Annkuron	murkung	Arunkumor	Arunkumar	Annkuray
ϵ	912017114006	Arun Kumar P	Poky	Du	A	Dan.	Dhy.	Du
7	912017114007	Balamurugan K	Day.	By.	Ans.	Au.	They.	that.
8	912017114009	Dhinesh Kumar P	The	Mas	N Do	Mar	De	Bus.
- g	912017114011	Gokul Praveen V	Gold proce	Gokal pare	Gokal Pore	Gokulpava	Gookelprous	Fold Prover
10	912017114012	Gunasekaran A	TIL A	Cur pa	out a	orp	A My	cuto
11	912017114013	Gururaja T	Shrovay	CHENT	Cherry	o who	own	cominga
12	912017114015	Harisudhan E	howiswhen	hovisudhar	forisida	havidha	Levisadhon	havisidlan
13	912017114017	Kalaiselvan S	ghula	hicky	Kud	, know	y July	Kucky
14	912017114018	Kaleeswaran R	Duke	Duka	Dank	Duk	"Dak	Dute
15	912017114019	Kannan M S	Mony	Mons	Mons	ME	Me	Mon
16	912017114020	Karpoorasundarapandian J	Kithey	K. April	K. seef	Kary	K. Aley	K. Aleny
17	912017114022	Krishna Raj K	Dang.	& Ami	Kmp	Know	Kupo	Kudha
18	912017114024	Lakshmanan M	Jana.	Jimy.	My	Jay	fant	Tento
19	912017114025	Lakshmanan S	Jothum	lakehne	falshur	latha	folkshop	Lakehre
20	912017114026	Logeshwaran R	WE	Lotus ?	Loyba	108 B	Logor	raport of
2	912017114027	Manikandan S	ration	Manh	Nang	nanz	nanh	Manshor
22	912017114028	Mathava Sankar S	Sulla	my.	Long	- my	me	WK.

23	912017114030	Muthu Krishnan A	Norther to do priether bushon Millow trade router book neuther trade on the Kraha
24	912017114031	Nagaraj R	ampra amer Blood Mas Was More
25	912017114034	Praveen Kumar K	Day Day Day Day
26	912017114035	Praveen Kumar R	Pray Pray Pray Pray Pray
27	912017114036	Premkumar S	DA DH DHOWDW DW
28	912017114038	Raj Kumar P	Day Day Day Day
29	912017114039	Ranjith M S	Mas Mes Mes Mes Mes
30	912017114040	Roghas R	ed to put of part of the
. 31	912017114041	Santhosh S	Santhos Santhos Santher Santher Santher
32	912017114042	Santhosh Kumar K	Rathola Southly South South South South
33	912017114043	Sarathkumar J	Show Share Share Source
34	912017114044	Sarathkumar M	Men. Ma Man Ma Man Ma
35	912017114045	Sella Muthu R	Ellameth Selamethe Selamethe Ellamethe Ellamethe Ellamethe
36	912017114046	Selvam G	Reliant Gelma Solva Solva Solva Solva
37	912017114048	Siva Suriyan T	LA LA DE LA
38	912017114049	Sree Hari Markkam M	Bank Straw Straw Straw Straw Straw
39	912017114050	Syed Ali S	Sycholi Gyndali Sydali Sydali Sydali Sydali
40	912017114052	Thanesh Kumar C	The The The The
41	912017114053	Vasantha Kumar K	Vesting asouth rasautrasauthe Valenthe
42	912017114054	Venkatesh Pandia Rajan M	1000 1000 1000 1000 1000 1000.
43	912017114055	Vetri Manikandan K	Short fort Vous has how.
44	912017114301	Baranitharan C	Ruy By By By
45	912017114302	Gopinathan R	And Con Con Con
46	912017114303	Kalirajan G	Kanther Railey, Rales Railed Saleh Kallet.
47	912017114304	Karthikeyan E	Court have fourthy fruit faither, howalth fourth
48	912017114305	Kathirvel G	Coly them to the Coly Coly
49	912017114306	Sathish T	Tent Ven Ten Com Com
50	912017114701	Manikandan R	make into war printe work water









Enrollment Student Name List

Department of Mechanical Engineering

Student Registration Sheet

Academic Year

: 2019-2020

Cource Code

: VACME1920BF

Course Name

: Bio Fuels

Duration of hours

: 35

Period of Course

02.06.2020 to 07.06.2020

	Enrolle	ed Students List			
Sl. No	Register Number	Student Name	Signature		
1	912017114001	Ajith Kumar S	5. Aj th Kumer		
2	912017114002	Alagumuthu A	A. Alagurluthur.		
3	912017114003	Alagu Pandi B	Kang J.		
4	912017114004	Ariya Muthu T	dis.		
5	912017114005	Arun Kumar G	G1. Dun Kunar		
6	912017114006	Arun Kumar P	D. Arun Kum.		
7	912017114007	Balamurugan K	k. Balamuruge		
8	912017114009	Dhinesh Kumar P	P. Dharlokuman		
9	912017114011	Gokul Praveen V	V. Grokul pravier		
10	912017114012	Gunasekaran A	Crunare/Loven A		
11	912017114013	Gururaja T	T. Chururaja		
12	912017114015	Harisudhan E	E. havi sudhan		
13	912017114017	Kalaiselvan S	S. kaladdelvar.		
14	912017114018	Kaleeswaran R	R. Kaleesuwan		
15	912017114019	Kannan M S	m. S. Kannan.		
16	912017114020	Karpoorasundarapandian J	J. Karpoorasurdarapordian		
17	912017114022	Krishna Raj K	Kr Knihlana Pay		
18	912017114024	Lakshmanan M	mid Lakshmanain		
19	912017114025	Lakshmanan S	S. Lakshmaran		
20	912017114026	Logeshwaran R	Lageshuraen R		
21	912017114027	Manikandan S	Manhandow. S		
22	912017114028	Mathava Sankar S	Sr Mathorya Sank		

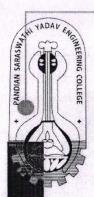
22	912017114030	Muthu Krishnan A	
	912017114030	Nagaraj R	A. Muther Kraishran
			R. Nagaraj
-	912017114034	Praveen Kumar K	KiPrancen Kuman
26	912017114035	Praveen Kumar R	R. praveen kuray
27	912017114036	Premkumar S	Si Prem Kuman
. 28	912017114038	Raj Kumar P	P. Rajkuman
29	912017114039	Ranjith M S	m.S. Ranith.
30	912017114040	Roghas R	Roghan 18
31	912017114041	Santhosh S	Santhosh . S
32	912017114042	Santhosh Kumar K	k. Senthodh Kumar
33	912017114043	Sarathkumar J '	
34	912017114044	Sarathkumar M	T. Sarath Jeunen.
35	912017114045	Sella Muthu R	R. Sella muthe
36	912017114046	Selvam G	Gr. Selvan.
37	912017114048	Siva Suriyan T	To Siva Surjeyan.
38	912017114049	Sree Hari Markkam M	M. Siva Syrican
39	912017114050	Syed Ali S	S. Syrol Ali
40	912017114052	Thanesh Kumar C	Thanksh Kumon 6
41	912017114053	Vasantha Kumar K	k. Vasantha kumar
42	912017114054	Venkatesh Pandia Rajan M	M. Venketesh Pardia Royan.
43	912017114055	Vetri Manikandan K	K. votri manifoundan.
44	912017114301	Baranitharan C	C. Borranitharan
45	912017114302	Gopinathan R	R. Gropinathan
46	912017114303	Kalirajan G	a. kalirajan.
47	912017114304	Karthikeyan E	E. Karth kelon
48	912017114305	Kathirvel G	Cra leatherval
49	912017114306	Sathish T	To Sathish.
50	912017114701	Manikandan R	Manikandan R

HOD/MECH

PRINCIPAL

R RAJA Digitally signed by R RAJA Date: 2024.06.26 17:48:47 +05'30'

MODEL CERTIFICATES



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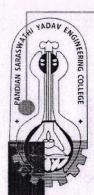
This is to Certify that Mr/Ms & AJITHKUMBR of 3/6 6 MECH

Has actively participated in the value-added course on **BIO FUELS** organized by the Department of Mechanical Engineering From 02.06.2020 to 07.06.2020 (35 Hours) at Pandian Saraswathi Yadav Engineering College, Sivagangai.

Mr. M.Radhakrishnan

R RAJA by R RAJA Date: 2024.06.26 17:44:52 +05'30'

Dr.R.Raja Principal



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CERTIFICATE

Mr. M.Radhakrishnan

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Dr.R.Raja Principal



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Mr. M.Radhakrishnan HOD/MECH R Digitally signed by R RAJA Date: 2024.06.26 17:45:29 +05'30'

Dr.R.Raja Principal