

SYLLABUS/  
CURRICULUM



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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

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

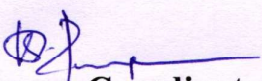
#### CHAPTER 5:

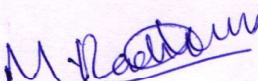
Bio fuels/ Energy related Environmental economics & social issues. The source, Processing and social impacts of bio fuel utilization

#### 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

R RAJA

Digitally signed

by R RAJA

Date: 2024.06.26

17:42:50 +05'30'



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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

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

#### Course Schedule

Date	Time	TOPICS
02/06/2020	9.00 am to 12.15 pm	Importance of bioenergy and biofuels in solving the energy crisis and global warming.
	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	
04/06/2020	9.00 am to 12.15 pm	Pellets made from wood or grass biomass are commercially available at stores for heating homes, schools, businesses
	1.00 pm to 4.15 pm	
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	
06/06/2020	9.00 am to 12.15 pm	Thermochemical Processes: hydrothermal liquefaction, hydro pyrolysis, torrefaction, choice of thermal process based on biomass type and product requirement
	1.00 pm to 4.15 pm	
07/06/2020	9.00 am to 12.15 pm	Bio fuels/ Energy related Environmental economics & social issues. The source, Processing and social impacts of bio fuel utilization
	1.00 pm to 4.15 pm	

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

  
HOD/MECH

  
PRINCIPAL

R RAJA

Digitally signed  
by R RAJA  
Date: 2024.06.26  
17:43:02 +05'30'



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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

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

### One page Report

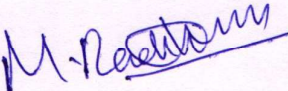
**Name of the course** : BIO FUELS  
**Development Course Code** : VACME1920BF  
**Course Coordinator** : Mr. S. Pounraj  
**Date/Duration** : 02.06.2020-07.06.2020 — 35 hours


I here affirm that the Final-year students of strength 50 have been taught the value-added course title “**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.,**  
AP/MECH  
Course Co-Ordinator

  
**Mr.M. Radhakrishnan.,**  
ASP/MECH  
Head of the Department

  
**Dr.R.Raja**  
Principal  
PSYEC

R RAJA

Digitally signed  
by R RAJA  
Date: 2024.06.26  
17:44:25 +05'30'

# ASSESSMENT PROCEDURE



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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

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**

### Assessment Questions with Answer

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?
  - a) Hybrid poplar
  - b) Willow algae
  - c) **Iron nails**
  - d) Trap grease



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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

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

---

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%**

**R RAJA**

Digitally signed  
by R RAJA  
Date: 2024.06.26  
17:43:36 +05'30'



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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

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**

Assessment Test Paper

**REGISTER NUMBER:** 912017114003

**NAME OF THE STUDENT:** B. A. Lagan Pandi

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?
  - a) Hybrid poplar





# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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

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

- b) Willow algae  
c) Iron 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  
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%

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Mechanical Engineering

**Student Performance Sheet**

Academic Year : 2019-2020

Course Code : VACME1920BF

Course Name : Bio Fuels

Duration of hours : 35

Period of Course : 02.06.2020 to 07.06.2020

Assessment marks			Marks
Sl. No	Register Number	Student Name	
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	82
11	912017114013	Gururaja T	82
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

23	912017114030	Muthu Krishnan A	76
24	912017114031	Nagaraj R	78
25	912017114034	Praveen Kumar K	76
26	912017114035	Praveen Kumar R	74
27	912017114036	Premkumar S	84
28	912017114038	Raj Kumar P	92
29	912017114039	Ranjith M S	90
30	912017114040	Roghas R	96
31	912017114041	Santhosh S	94
32	912017114042	Santhosh Kumar K	96
33	912017114043	Sarathkumar J	88
34	912017114044	Sarathkumar M	84
35	912017114045	Sella Muthu R	86
36	912017114046	Selvam G	88
37	912017114048	Siva Suriyan T	84
38	912017114049	Sree Hari Markkam M	86
39	912017114050	Syed Ali S	92
40	912017114052	Thanesh Kumar C	94
41	912017114053	Vasantha Kumar K	95
42	912017114054	Venkatesh Pandia Rajan M	96
43	912017114055	Vetri Manikandan K	96
44	912017114301	Baranitharan C	98
45	912017114302	Gopinathan R	94
46	912017114303	Kalirajan G	96
47	912017114304	Karthikeyan E	98
48	912017114305	Kathirvel G	94
49	912017114306	Sathish T	96
50	912017114701	Manikandan R	98

  
Course coordinator

  
HOD/MECH

  
PRINCIPAL

# STUDENTS ATTENDANCE

**Student Attendance Sheet**

Academic Year : 2019-2020

Course Code : VACME1920BF-

Course Name : Bio Fuels

Duration of hours : 35

Period of Course : 02.06.2020 to 07.06.2020

Attendance Sheet			Date: 02.06.2020					
Sl. 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	Ajith Kumar	Ajith Kumar	Ajith Kumar	Ajith Kumar	Ajith Kumar	Ajith Kumar
2	912017114002	Alagumuthu A	Alagumuthu A	Alagumuthu A	Alagumuthu A	Alagumuthu A	Alagumuthu A	Alagumuthu A
3	912017114003	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B
4	912017114004	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T
5	912017114005	Arun Kumar G	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar
6	912017114006	Arun Kumar P	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar
7	912017114007	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K
8	912017114009	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P
9	912017114011	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V
10	912017114012	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A
11	912017114013	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T
12	912017114015	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E
13	912017114017	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S
14	912017114018	Kaleswaran R	Kaleswaran R	Kaleswaran R	Kaleswaran R	Kaleswaran R	Kaleswaran R	Kaleswaran R
15	912017114019	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S
16	912017114020	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J
17	912017114022	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K
18	912017114024	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M
19	912017114025	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S
20	912017114026	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R
21	912017114027	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S
22	912017114028	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S

23	912017114030	Muthu Krishnan A	Muthukrishna	Muthukrishna	Muthukrishna	Muthukrishna	Muthukrishna	Muthukrishna
24	912017114031	Nagaraj R	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj
25	912017114034	Praveen Kumar K	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
26	912017114035	Praveen Kumar R	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
27	912017114036	Premkumar S	Prem Kumar	Prem Kumar	Prem Kumar	Prem Kumar	Prem Kumar	Prem Kumar
28	912017114038	Raj Kumar P	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar
29	912017114039	Ranjith M S	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith
30	912017114040	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R
31	912017114041	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S
32	912017114042	Santhosh Kumar K	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
33	912017114043	Sarathkumar J	Sarath	Sarath	Sarath	Sarath	Sarath	Sarath
34	912017114044	Sarathkumar M	Sarath	Sarath	Sarath	Sarath	Sarath	Sarath
35	912017114045	Sella Muthu R	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu
36	912017114046	Selvam G	Selvam	Selvam	Selvam	Selvam	Selvam	Selvam
37	912017114048	Siva Suriyan T	Siva	Siva	Siva	Siva	Siva	Siva
38	912017114049	Sree Hari Markkam M	Sreehari	Sreehari	Sreehari	Sreehari	Sreehari	Sreehari
39	912017114050	Syed Ali S	Syadali	Syadali	Syadali	Syadali	Syadali	Syadali
40	912017114052	Thanesh Kumar C	Thanesh Kumar	Thanesh Kumar	Thanesh Kumar	Thanesh Kumar	Thanesh Kumar	Thanesh Kumar
41	912017114053	Vasanth Kumar K	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar
42	912017114054	Venkatesh Pandia Rajan M	Vedha	Vedha	Vedha	Vedha	Vedha	Vedha
43	912017114055	Vetri Manikandan K	Vetri	Vetri	Vetri	Vetri	Vetri	Vetri
44	912017114301	Baranitharan C	Baran	Baran	Baran	Baran	Baran	Baran
45	912017114302	Gopinathan R	Gopin	Gopin	Gopin	Gopin	Gopin	Gopin
46	912017114303	Kalirajan G	Kaliraj	Kaliraj	Kaliraj	Kaliraj	Kaliraj	Kaliraj
47	912017114304	Karthikeyan E	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi
48	912017114305	Kathirvel G	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel
49	912017114306	Sathish T	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish
50	912017114701	Manikandan R	R. Manikandan	R. Manikandan	R. Manikandan	R. Manikandan	R. Manikandan	R. Manikandan

  
Course coordinator

  
HOD/MECH

  
PRINCIPAL

**Student Attendance Sheet**

Academic Year : 2019-2020

Course Code : VACME1920BF-

Course Name : Bio Fuels

Duration of hours : 35

Period of Course : 02.06.2020 to 07.06.2020

Attendance Sheet			Date: 02.06.2020					
Sl. 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	Ajith Kumar S	Ajith Kumar S	Ajith Kumar S	Ajith Kumar S	Ajith Kumar S	Ajith Kumar S
2	912017114002	Alagumuthu A	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu
3	912017114003	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B
4	912017114004	Ariya Muthu T	Ariyamuthu T	Ariyamuthu T	Ariyamuthu T	Ariyamuthu T	Ariyamuthu T	Ariyamuthu T
5	912017114005	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G
6	912017114006	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P
7	912017114007	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K
8	912017114009	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P
9	912017114011	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V
10	912017114012	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A
11	912017114013	Gururaja T	T. Gururaja	T. Gururaja	T. Gururaja	T. Gururaja	T. Gururaja	T. Gururaja
12	912017114015	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E
13	912017114017	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S
14	912017114018	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R
15	912017114019	Kanna M S	Kanna M S	Kanna M S	Kanna M S	Kanna M S	Kanna M S	Kanna M S
16	912017114020	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J
17	912017114022	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K
18	912017114024	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M
19	912017114025	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S
20	912017114026	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R
21	912017114027	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S
22	912017114028	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S

23	912017114030	Muthu Krishnan A	muthukrishna	Muthukrishna	Muthukrishna	Muthukrishna	Muthukrishna	Muthukrishna
24	912017114031	Nagaraj R	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj
25	912017114034	Praveen Kumar K	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
26	912017114035	Praveen Kumar R	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
27	912017114036	Premkumar S	Premkumar	Premkumar	Premkumar	Premkumar	Premkumar	Premkumar
28	912017114038	Raj Kumar P	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar
29	912017114039	Ranjith M S	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith
30	912017114040	Roghas R	Roghas	Roghas	Roghas	Roghas	Roghas	Roghas
31	912017114041	Santhosh S	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
32	912017114042	Santhosh Kumar K	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
33	912017114043	Sarathkumar J	Sarath	Sarath	Sarath	Sarath	Sarath	Sarath
34	912017114044	Sarathkumar M	Sarath	Sarath	Sarath	Sarath	Sarath	Sarath
35	912017114045	Sella Muthu R	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu
36	912017114046	Selvain G	Selvain	Selvain	Selvain	Selvain	Selvain	Selvain
37	912017114048	Siva Suriyan T	Sivakumar	Sivakumar	Sivakumar	Sivakumar	Sivakumar	Sivakumar
38	912017114049	Sree Hari Markkam M	Sree Hari	Sree Hari	Sree Hari	Sree Hari	Sree Hari	Sree Hari
39	912017114050	Syed Ali S	Syed Ali	Syed Ali	Syed Ali	Syed Ali	Syed Ali	Syed Ali
40	912017114052	Thanesh Kumar C	Thanesh	Thanesh	Thanesh	Thanesh	Thanesh	Thanesh
41	912017114053	Vasanth Kumar K	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth
42	912017114054	Venkatesh Pandia Rajan M	Venka	Venka	Venka	Venka	Venka	Venka
43	912017114055	Vetri Manikandan K	Vetri	Vetri	Vetri	Vetri	Vetri	Vetri
44	912017114301	Baranitharan C	Baranitharan	Baranitharan	Baranitharan	Baranitharan	Baranitharan	Baranitharan
45	912017114302	Gopinathan R	Gopinath	Gopinath	Gopinath	Gopinath	Gopinath	Gopinath
46	912017114303	Kalirajan G	Kalirajan	Kalirajan	Kalirajan	Kalirajan	Kalirajan	Kalirajan
47	912017114304	Karthikeyan E	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan
48	912017114305	Kathirvel G	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel
49	912017114306	Sathish T	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish
50	912017114701	Manikandan R	Manikandan	Manikandan	Manikandan	Manikandan	Manikandan	Manikandan

  
Course coordinator

  
HOD/MECH

  
PRINCIPAL



Student Attendance Sheet

Academic Year : 2019-2020

Course Code : VACME1920BF-

Course Name : Bio Fuels

Duration of hours : 35

Period of Course : 02.06.2020 to 07.06.2020

Attendance Sheet			Date: 04.06.2020					
Sl. 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	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S
2	912017114002	Alagumuthu A	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu
3	912017114003	Alagu Pandi B	Alagu B	Alagu B	Alagu B	Alagu B	Alagu B	Alagu B
4	912017114004	Ariya Muthu T	Ariya M	Ariya M	Ariya M	Ariya M	Ariya M	Ariya M
5	912017114005	Arun Kumar G	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar
6	912017114006	Arun Kumar P	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar	Arun Kumar
7	912017114007	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K
8	912017114009	Dhinesh Kumar P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P
9	912017114011	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V
10	912017114012	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A
11	912017114013	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T
12	912017114015	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E
13	912017114017	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S
14	912017114018	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R
15	912017114019	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S
16	912017114020	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J
17	912017114022	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K
18	912017114024	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M
19	912017114025	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S
20	912017114026	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R
21	912017114027	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S
22	912017114028	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S

23	912017114030	Muthu Krishnan A	Muthukrishnan	Muthukrishnan	Muthukrishnan	Muthukrishnan	Muthukrishnan	Muthukrishnan
24	912017114031	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R
25	912017114034	Praveen Kumar K	Praveen K	Praveen K	Praveen K	Praveen K	Praveen K	Praveen K
26	912017114035	Praveen Kumar R	Praveen R	Praveen R	Praveen R	Praveen R	Praveen R	Praveen R
27	912017114036	Premkumar S	Prem Kumar	Prem Kumar	Prem Kumar	Prem Kumar	Prem Kumar	Prem Kumar
28	912017114038	Raj Kumar P	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar
29	912017114039	Ranjith M S	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith
30	912017114040	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R
31	912017114041	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S
32	912017114042	Santhosh Kumar K	Santhosh K	Santhosh K	Santhosh K	Santhosh K	Santhosh K	Santhosh K
33	912017114043	Sarathkumar J	Sarath K	Sarath K	Sarath K	Sarath K	Sarath K	Sarath K
34	912017114044	Sarathkumar M	Sarath K	Sarath K	Sarath K	Sarath K	Sarath K	Sarath K
35	912017114045	Sella Muthu R	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu
36	912017114046	Selvam G	Selvan	Selvan	Selvan	Selvan	Selvan	Selvan
37	912017114048	Siva Suriyan T	Siva	Siva	Siva	Siva	Siva	Siva
38	912017114049	Sree Hari Markkam M	Sree	Sree	Sree	Sree	Sree	Sree
39	912017114050	Syed Ali S	Syed Ali	Syed Ali	Syed Ali	Syed Ali	Syed Ali	Syed Ali
40	912017114052	Thanesh Kumar C	Thanesh C	Thanesh C	Thanesh C	Thanesh C	Thanesh C	Thanesh C
41	912017114053	Vasantha Kumar K	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar	Vasanth Kumar
42	912017114054	Venkatesh Pandia Rajan M	Venka	Venka	Venka	Venka	Venka	Venka
43	912017114055	Vetri Manikandan K	Vetri	Vetri	Vetri	Vetri	Vetri	Vetri
44	912017114301	Baranitharan C	Baran	Baran	Baran	Baran	Baran	Baran
45	912017114302	Gopinathan R	Gopin	Gopin	Gopin	Gopin	Gopin	Gopin
46	912017114303	Kalirajan G	Kaliraj	Kaliraj	Kaliraj	Kaliraj	Kaliraj	Kaliraj
47	912017114304	Karthikeyan E	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi
48	912017114305	Kathirvel G	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel
49	912017114306	Sathish T	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish
50	912017114701	Manikandan R	Manik	Manik	Manik	Manik	Manik	Manik

  
Course coordinator

  
HOD/MECH

  
PRINCIPAL

**Student Attendance Sheet**

Academic Year : 2019-2020

Course Code : VACME1920BF-

Course Name : Bio Fuels

Duration of hours : 35

Period of Course : 02.06.2020 to 07.06.2020

Attendance Sheet			Date: 05.06.2020					
Sl. 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	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S
2	912017114002	Alagumuthu A	Alagumuthu A	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu
3	912017114003	Alagu Pandi B	Alagu B	Alagu B	Alagu B	Alagu B	Alagu B	Alagu B
4	912017114004	Ariya Muthu T	Ariya T	Ariya T	Ariya T	Ariya T	Ariya T	Ariya T
5	912017114005	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G
6	912017114006	Arun Kumar P	Arun P	Arun P	Arun P	Arun P	Arun P	Arun P
7	912017114007	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K
8	912017114009	Dhinesh Kumar P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P
9	912017114011	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V
10	912017114012	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A
11	912017114013	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T
12	912017114015	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E
13	912017114017	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S
14	912017114018	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R
15	912017114019	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S
16	912017114020	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J
17	912017114022	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K
18	912017114024	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M
19	912017114025	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S
20	912017114026	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R
21	912017114027	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S
22	912017114028	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S

23	912017114030	Muthu Krishnan A	Muthukrish	Muthukrish	Muthukrish	Muthukrish	Muthukrish	Muthukrish
24	912017114031	Nagaraj R	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj
25	912017114034	Praveen Kumar K	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
26	912017114035	Praveen Kumar R	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
27	912017114036	Premkumar S	Premkumar	Premkumar	Premkumar	Premkumar	Premkumar	Premkumar
28	912017114038	Raj Kumar P	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar	Raj Kumar
29	912017114039	Ranjith M S	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith
30	912017114040	Roghas R	Roghas	Roghas	Roghas	Roghas	Roghas	Roghas
31	912017114041	Santhosh S	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
32	912017114042	Santhosh Kumar K	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
33	912017114043	Sarathkumar J	Sarathkumar	Sarathkumar	Sarathkumar	Sarathkumar	Sarathkumar	Sarathkumar
34	912017114044	Sarathkumar M	Sarathkumar	Sarathkumar	Sarathkumar	Sarathkumar	Sarathkumar	Sarathkumar
35	912017114045	Sella Muthu R	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu
36	912017114046	Selvam G	Selvam	Selvam	Selvam	Selvam	Selvam	Selvam
37	912017114048	Siva Suriyan T	Sivasuriyan	Sivasuriyan	Sivasuriyan	Sivasuriyan	Sivasuriyan	Sivasuriyan
38	912017114049	Sree Hari Markkam M	Sree Hari	Sree Hari	Sree Hari	Sree Hari	Sree Hari	Sree Hari
39	912017114050	Syed Ali S	Syed Ali	Syed Ali	Syed Ali	Syed Ali	Syed Ali	Syed Ali
40	912017114052	Thanesh Kumar C	Thanesh	Thanesh	Thanesh	Thanesh	Thanesh	Thanesh
41	912017114053	Vasantha Kumar K	Vasantha	Vasantha	Vasantha	Vasantha	Vasantha	Vasantha
42	912017114054	Venkatesh Pandia Rajan M	Venkatesh	Venkatesh	Venkatesh	Venkatesh	Venkatesh	Venkatesh
43	912017114055	Vetri Manikandan K	Vetri Manikandan	Vetri Manikandan	Vetri Manikandan	Vetri Manikandan	Vetri Manikandan	Vetri Manikandan
44	912017114301	Baranitharan C	Baranitharan	Baranitharan	Baranitharan	Baranitharan	Baranitharan	Baranitharan
45	912017114302	Gopinathan R	Gopinathan	Gopinathan	Gopinathan	Gopinathan	Gopinathan	Gopinathan
46	912017114303	Kalirajan G	Kalirajan	Kalirajan	Kalirajan	Kalirajan	Kalirajan	Kalirajan
47	912017114304	Karthikeyan E	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan
48	912017114305	Kathirvel G	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel
49	912017114306	Sathish T	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish
50	912017114701	Manikandan R	Manikandan	Manikandan	Manikandan	Manikandan	Manikandan	Manikandan

  
Course coordinator

  
HOD/MECH

  
PRINCIPAL

**Student Attendance Sheet**

Academic Year : 2019-2020

Course Code : VACME1920BF-

Course Name : Bio Fuels

Duration of hours : 35

Period of Course : 02.06.2020 to 07.06.2020

Attendance Sheet			Date: 06.06.2020					
Sl. 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	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S
2	912017114002	Alagumuthu A	A Alagumuthu	A Alagumuthu	A Alagumuthu	A Alagumuthu	A Alagumuthu	A Alagumuthu
3	912017114003	Alagu Pandi B	Alagu B	Alagu B	Alagu B	Alagu B	Alagu B	Alagu B
4	912017114004	Ariya Muthu T	Ariya T	Ariya T	Ariya T	Ariya T	Ariya T	Ariya T
5	912017114005	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G
6	912017114006	Arun Kumar P	Arun P	Arun P	Arun P	Arun P	Arun P	Arun P
7	912017114007	Balamurugan K	Bala K	Bala K	Bala K	Bala K	Bala K	Bala K
8	912017114009	Dhinesh Kumar P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P	Dhinesh P
9	912017114011	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V
10	912017114012	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A
11	912017114013	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T
12	912017114015	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E
13	912017114017	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S
14	912017114018	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R
15	912017114019	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S
16	912017114020	Karpoorasundarapandian J	K. Arul	K. Arul	K. Arul	K. Arul	K. Arul	K. Arul
17	912017114022	Krishna Raj K	K. Arul	K. Arul	K. Arul	K. Arul	K. Arul	K. Arul
18	912017114024	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M
19	912017114025	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S
20	912017114026	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R
21	912017114027	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S
22	912017114028	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S

23	912017114030	Muthu Krishnan A	Muthu Krish	Muthu Krishn	Muthu Krish	Muthu Krish	Muthu Krishn	Muthu Krishn
24	912017114031	Nagaraj R	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj	Nagaraj
25	912017114034	Praveen Kumar K	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
26	912017114035	Praveen Kumar R	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
27	912017114036	Premkumar S	Premkum	Premkum	Premkum	Premkum	Premkum	Premkum
28	912017114038	Raj Kumar P	Rajkum	Rajkum	Rajkum	Rajkum	Rajkum	Rajkum
29	912017114039	Ranjith M S	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith	Ranjith
30	912017114040	Roghas R	Rogha	Rogha	Rogha	Rogha	Rogha	Rogha
31	912017114041	Santhosh S	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
32	912017114042	Santhosh Kumar K	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
33	912017114043	Sarathkumar J	Sarathk	Sarathk	Sarathk	Sarathk	Sarathk	Sarathk
34	912017114044	Sarathkumar M	Sarath	Sarath	Sarath	Sarath	Sarath	Sarath
35	912017114045	Sella Muthu R	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu	Sellamuthu
36	912017114046	Selvam G	Selvam	Selvam	Selvam	Selvam	Selvam	Selvam
37	912017114048	Siva Suriyan T	Sivasuri	Sivasuri	Sivasuri	Sivasuri	Sivasuri	Sivasuri
38	912017114049	Sree Hari Markkam M	Sreehari	Sreehari	Sreehari	Sreehari	Sreehari	Sreehari
39	912017114050	Syed Ali S	Syed ali	Syed ali	Syed ali	Syed ali	Syed ali	Syed ali
40	912017114052	Thanesh Kumar C	Thanesh	Thanesh	Thanesh	Thanesh	Thanesh	Thanesh
41	912017114053	Vasantha Kumar K	Vasantha	Vasantha	Vasantha	Vasantha	Vasantha	Vasantha
42	912017114054	Venkatesh Pandia Rajan M	Venka	Venka	Venka	Venka	Venka	Venka
43	912017114055	Vetri Manikandan K	Vetri	Vetri	Vetri	Vetri	Vetri	Vetri
44	912017114301	Baranitharan C	Baranith	Baranith	Baranith	Baranith	Baranith	Baranith
45	912017114302	Gopinathan R	Gopinath	Gopinath	Gopinath	Gopinath	Gopinath	Gopinath
46	912017114303	Kalirajan G	Kaliraj	Kaliraj	Kaliraj	Kaliraj	Kaliraj	Kaliraj
47	912017114304	Karthikeyan E	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi
48	912017114305	Kathirvel G	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel	Kathirvel
49	912017114306	Sathish T	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish
50	912017114701	Manikandan R	Manikan	Manikan	Manikan	Manikan	Manikan	Manikan

  
Course coordinator

  
HOD/AECH

  
PRINCIPAL

**Student Attendance Sheet**

Academic Year : 2019-2020  
 Course Code : VACME1920BF-  
 Course Name : Bio Fuels  
 Duration of hours : 35  
 Period of Course : 02.06.2020 to 07.06.2020

Attendance Sheet			Date: 07-06-2020					
Sl. 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	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S	Ajith S
2	912017114002	Alagumuthu A	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu	A. Alagumuthu
3	912017114003	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B	Alagu Pandi B
4	912017114004	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T	Ariya Muthu T
5	912017114005	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G	Arun Kumar G
6	912017114006	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P	Arun Kumar P
7	912017114007	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K	Balamurugan K
8	912017114009	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P	Dhinesh Kumar P
9	912017114011	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V	Gokul Praveen V
10	912017114012	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A	Gunasekaran A
11	912017114013	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T	Gururaja T
12	912017114015	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E	Harisudhan E
13	912017114017	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S	Kalaiselvan S
14	912017114018	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R	Kaleeswaran R
15	912017114019	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S	Kannan M S
16	912017114020	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J	Karpoorasundarapandian J
17	912017114022	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K	Krishna Raj K
18	912017114024	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M	Lakshmanan M
19	912017114025	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S	Lakshmanan S
20	912017114026	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R	Logeshwaran R
21	912017114027	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S	Manikandan S
22	912017114028	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S	Mathava Sankar S

23	912017114030	Muthu Krishnan A	Muthu Krishna	Muthu Krishna	Muthu Krishna	Muthu Krishna	Muthu Krishna	Muthu Krishna
24	912017114031	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R	Nagaraj R
25	912017114034	Praveen Kumar K	Praveen Kumar K	Praveen Kumar K	Praveen Kumar K	Praveen Kumar K	Praveen Kumar K	Praveen Kumar K
26	912017114035	Praveen Kumar R	Praveen Kumar R	Praveen Kumar R	Praveen Kumar R	Praveen Kumar R	Praveen Kumar R	Praveen Kumar R
27	912017114036	Premkumar S	Premkumar S	Premkumar S	Premkumar S	Premkumar S	Premkumar S	Premkumar S
28	912017114038	Raj Kumar P	Raj Kumar P	Raj Kumar P	Raj Kumar P	Raj Kumar P	Raj Kumar P	Raj Kumar P
29	912017114039	Ranjith M S	Ranjith M S	Ranjith M S	Ranjith M S	Ranjith M S	Ranjith M S	Ranjith M S
30	912017114040	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R	Roghas R
31	912017114041	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S	Santhosh S
32	912017114042	Santhosh Kumar K	Santhosh Kumar K	Santhosh Kumar K	Santhosh Kumar K	Santhosh Kumar K	Santhosh Kumar K	Santhosh Kumar K
33	912017114043	Sarathkumar J	Sarathkumar J	Sarathkumar J	Sarathkumar J	Sarathkumar J	Sarathkumar J	Sarathkumar J
34	912017114044	Sarathkumar M	Sarathkumar M	Sarathkumar M	Sarathkumar M	Sarathkumar M	Sarathkumar M	Sarathkumar M
35	912017114045	Sella Muthu R	Sella Muthu R	Sella Muthu R	Sella Muthu R	Sella Muthu R	Sella Muthu R	Sella Muthu R
36	912017114046	Selvam G	Selvam G	Selvam G	Selvam G	Selvam G	Selvam G	Selvam G
37	912017114048	Siva Suriyan T	Siva Suriyan T	Siva Suriyan T	Siva Suriyan T	Siva Suriyan T	Siva Suriyan T	Siva Suriyan T
38	912017114049	Sree Hari Markkam M	Sree Hari Markkam M	Sree Hari Markkam M	Sree Hari Markkam M	Sree Hari Markkam M	Sree Hari Markkam M	Sree Hari Markkam M
39	912017114050	Syed Ali S	Syed Ali S	Syed Ali S	Syed Ali S	Syed Ali S	Syed Ali S	Syed Ali S
40	912017114052	Thanesh Kumar C	Thanesh Kumar C	Thanesh Kumar C	Thanesh Kumar C	Thanesh Kumar C	Thanesh Kumar C	Thanesh Kumar C
41	912017114053	Vasantha Kumar K	Vasantha Kumar K	Vasantha Kumar K	Vasantha Kumar K	Vasantha Kumar K	Vasantha Kumar K	Vasantha Kumar K
42	912017114054	Venkatesh Pandia Rajan M	Venkatesh Pandia Rajan M	Venkatesh Pandia Rajan M	Venkatesh Pandia Rajan M	Venkatesh Pandia Rajan M	Venkatesh Pandia Rajan M	Venkatesh Pandia Rajan M
43	912017114055	Vetri Manikandan K	Vetri Manikandan K	Vetri Manikandan K	Vetri Manikandan K	Vetri Manikandan K	Vetri Manikandan K	Vetri Manikandan K
44	912017114301	Baranitharan C	Baranitharan C	Baranitharan C	Baranitharan C	Baranitharan C	Baranitharan C	Baranitharan C
45	912017114302	Gopinathan R	Gopinathan R	Gopinathan R	Gopinathan R	Gopinathan R	Gopinathan R	Gopinathan R
46	912017114303	Kalirajan G	Kalirajan G	Kalirajan G	Kalirajan G	Kalirajan G	Kalirajan G	Kalirajan G
47	912017114304	Karthikeyan E	Karthikeyan E	Karthikeyan E	Karthikeyan E	Karthikeyan E	Karthikeyan E	Karthikeyan E
48	912017114305	Kathirvel G	Kathirvel G	Kathirvel G	Kathirvel G	Kathirvel G	Kathirvel G	Kathirvel G
49	912017114306	Sathish T	Sathish T	Sathish T	Sathish T	Sathish T	Sathish T	Sathish T
50	912017114701	Manikandan R	Manikandan R	Manikandan R	Manikandan R	Manikandan R	Manikandan R	Manikandan R

  
Course coordinator

  
HOD/MECH

  
PRINCIPAL

**R RAJA**

Digitally signed by R  
RAJA  
Date: 2024.06.26  
17:48:16 +05'30'



Enrollment  
Student Name  
List

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Mechanical Engineering

**Student Registration Sheet**

Academic Year : 2019-2020  
Course Code : VACME1920BF  
Course Name : Bio Fuels  
Duration of hours : 35  
Period of Course : 02.06.2020 to 07.06.2020

Enrolled Students List			Signature
Sl. No	Register Number	Student Name	
1	912017114001	Ajith Kumar S	S. Ajith Kumar
2	912017114002	Alagumuthu A	A. Alagumuthu
3	912017114003	Alagu Pandi B	B. Alagu Pandi
4	912017114004	Ariya Muthu T	T. Ariya Muthu
5	912017114005	Arun Kumar G	G. Arun Kumar
6	912017114006	Arun Kumar P	P. Arun Kumar
7	912017114007	Balamurugan K	K. Balamurugan
8	912017114009	Dhinesh Kumar P	P. Dhinesh Kumar
9	912017114011	Gokul Praveen V	V. Gokul Praveen
10	912017114012	Gunasekaran A	A. Gunasekaran
11	912017114013	Gururaja T	T. Gururaja
12	912017114015	Harisudhan E	E. Harisudhan
13	912017114017	Kalaiselvan S	S. Kalaiselvan
14	912017114018	Kaleeswaran R	R. Kaleeswaran
15	912017114019	Kannan M S	M. S. Kannan
16	912017114020	Karpoorasundarapandian J	J. Karpoorasundarapandian
17	912017114022	Krishna Raj K	K. Krishna Raj
18	912017114024	Lakshmanan M	M. Lakshmanan
19	912017114025	Lakshmanan S	S. Lakshmanan
20	912017114026	Logeshwaran R	R. Logeshwaran
21	912017114027	Manikandan S	S. Manikandan
22	912017114028	Mathava Sankar S	S. Mathava Sankar

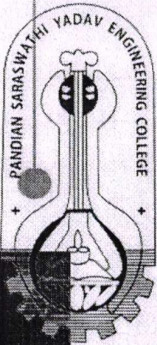
23	912017114030	Muthu Krishnan A	A. Muthu Krishnan
24	912017114031	Nagaraj R	R. Nagaraj
25	912017114034	Praveen Kumar K	K. Praveen Kumar
26	912017114035	Praveen Kumar R	R. Praveen Kumar
27	912017114036	Premkumar S	S. Prem Kumar
28	912017114038	Raj Kumar P	P. Rajkumar
29	912017114039	Ranjith M S	M.S. Ranjith.
30	912017114040	Roghas R	Roghas R
31	912017114041	Santhosh S	Santhosh S
32	912017114042	Santhosh Kumar K	K. Santhosh Kumar
33	912017114043	Sarathkumar J	J. Sarathkumar.
34	912017114044	Sarathkumar M	M. Sarathkumar.
35	912017114045	Sella Muthu R	R. Sella Muthu
36	912017114046	Selvam G	G. Selvam.
37	912017114048	Siva Suriyan T	T. Siva Suriyan
38	912017114049	Sree Hari Markkam M	M. Sree Hari Markkam <del>S. Sree Hari</del>
39	912017114050	Syed Ali S	S. Syed Ali
40	912017114052	Thanesh Kumar C	Thanesh Kumar C
41	912017114053	Vasantha Kumar K	K. Vasantha Kumar
42	912017114054	Venkatesh Pandia Rajan M	M. Venkatesh Pandia Rajan.
43	912017114055	Vetri Manikandan K	K. Vetri Manikandan.
44	912017114301	Baranitharan C	C. Baranitharan
45	912017114302	Gopinathan R	R. Gopinathan
46	912017114303	Kalirajan G	G. Kalirajan.
47	912017114304	Karthikeyan E	E. Karthikeyan
48	912017114305	Kathirvel G	G. Kathirvel
49	912017114306	Sathish T	T. Sathish.
50	912017114701	Manikandan R	Manikandan R

  
Course coordinator

  
HOD/MECH

  
PRINCIPAL

MODEL  
CERTIFICATES



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University, Chennai.

Arasanoor, Thirumansolai Post, Sivagangai – Madurai Highway, Tamilnadu – 630 561

Value added course on

**BIO FUELS**

Organized by

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CERTIFICATE**

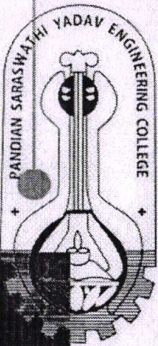
This is to Certify that Mr/Ms. S. AJITH KUMAR ..... of 3<sup>rd</sup> / 6<sup>th</sup> / MECH  
Has actively participated in the value-added course on **BIO FUELS** organized by the  
Department of Mechanical Engineering From 02.06.2020 to 07.06.2020 (35 Hours) at  
Pandian Saraswathi Yadav Engineering College, Sivagangai.

**Mr. M. Radhakrishnan**  
HOD/MECH

**R RAJA**

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

**Dr. R. Raja**  
Principal



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University, Chennai.

Arasanoor, Thirumansolai Post, Sivagangai – Madurai Highway, Tamilnadu – 630 561

Value added course on

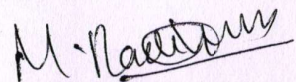
**BIO FUELS**

Organized by


**DEPARTMENT OF MECHANICAL ENGINEERING**

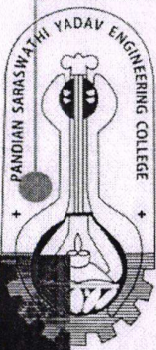
**CERTIFICATE**

This is to Certify that Mr/Ms..... B. ALAGU PANDI ..... of 3 / 6<sup>th</sup> Sem / 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**  
HOD/MECH

**R RAJA**  
Digitally signed by R  
RAJA  
Date: 2024.06.26  
17:45:08 +05'30'

  
**Dr. R. Raja**  
Principal



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University, Chennai.

Arasanoor, Thirumansolai Post, Sivagangai – Madurai Highway, Tamilnadu – 630 561

Value added course on

**BIO FUELS**

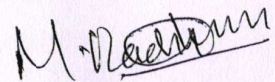
Organized by

**DEPARTMENT OF MECHANICAL ENGINEERING**


**CERTIFICATE**

This is to Certify that Mr/Ms.....T. ARIYA MUTHU..... of 3/6<sup>th</sup> Sem / 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**  
HOD/MECH

**R**  
**RAJA**  
Digitally signed  
by R RAJA  
Date:  
2024.06.26  
17:45:29 +05'30'

  
**Dr. R. Raja**  
Principal