



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A++" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

School of Bio and Chemical engineering

Department of Chemical Engineering

1.3.3 - Value added course

S. No	Title	Event Dates	No of Students Enrolled	No of Students Completed	Page No.
1	Value added course on Biogas	10-07-2023 to 15-07-2023	120	105	
2	Synthesis of Biodiesel and Characterization	11-09-2023 to 16-09-2023	130	120	
3	Value added course on Polymer Technology	18- 03 – 2024 to 23 – 03 – 2024	55	50	



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SCHOOL OF BIO AND CHEMICAL ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

IN ASSOCIATION WITH

CENTRE FOR WASTE MANAGEMENT

VALUE ADDED COURSE ON

Value added course on Biogas

FROM

10TH July 2023

TO

15TH July 2023

Course Coordinators

Dr. S. Sathish – Associate Professor and Head, Department of Chemical Engineering,
Sathyabama Institute of Science and Technology

Dr. S. S. Dawn – Professor & Head, Centre for Waste Management, Sathyabama Institute of
Science and Technology

For registration:

https://docs.google.com/forms/d/1wOAmqojQhXUuNonafLNsP4F_YtqbMFXf9BBuaa1ySlq/edit

For Queries contact: chemicalhod@sathyabama.ac.in

Objective of this course:

To raise awareness and publicity about the benefits of biogas, operation and maintenance of plants

Course Outcomes:

1. Practical demonstration on how to connect biogas pipe line to biogas burner.
2. Familiarize with the importance of biogas technology and biogas as a fuel for many applications for sustainable environment.

Module	Topics	Course Coordinator	No of Sessions	Platform
1	Introduction to the Biogas Technology, Selection of biogas models and selection of biogas potential beneficiaries, Socio-Economic Aspects, Environmental Aspects of having biogas plants installed in houses.	Dr.S.Sathish	6 hr	Seminar Hall
2	Construction methodologies, O & M of biogas plant, cattle dung-based biogas plant with sanitary toilet and its operation, Installation and Commissioning of prefabricated approved Biogas Plants	Dr.Arun	6 hr	Seminar Hall
3	Design of different approved models of biogas plants, capacity determination, selection of building materials and accessories. Type of different approved models of Biogas plants based on material and accessories, appliances etc.	Dr.S.S.Dawn	6hr	Seminar Hall
4	Rates of Financial Assistance / disbursement of subsidy /utilization of funds, maintenance of Accounts	Dr.D.Prabhu	4hr	Seminar Hall
5	Field visit to SATHAYBAMA BIOGAS PLANT	Dr.S.S.Dawn/ Dr.J.Arun	6hr	Seminar Hall
6	Assessment	Dr.S.Sathish	1hr	LMS Quiz

Vision

We empower the student community to maximize their potential for the development and transfer of technical competence in the field of Chemical Engineering through academic and research excellence extending service to the mankind.

Mission

M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide.

M2: To excel in research with an in-depth knowledge of core principles for providing solutions in process industries.

M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries.

M4: To develop sustainable solutions for the societal needs.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Excellence in Career: Compete globally with strong domain knowledge, updated with modern technology to provide effective solutions for engineering problems.

PEO2: Professional Expertise: Design of plants and process equipment's with research attitude, lifelong learning, investigative approach and multidisciplinary thinking.

PEO3: Exercising leadership: Exhibit strong managerial and communication skills to work efficiently as individual as well as in teams.

PEO4: Societal Contribution: Succeed as an entrepreneur and as environmental developer/consultant to solve the practical problems.

Value added course on Biogas

S. No.	Name	Reg. No.	Department	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	Abdul Hameed	40190001	Chemical Engineering						
2	ABDUL MANNAN	40690001	Chemical Engineering						
3	ANAMIKA K M	42190001	Chemical Engineering						
4	ANKIN GNANSON A	42190002	Chemical Engineering						
5	Ankit Mylarapu	40190002	Chemical Engineering						
6	Anto Froilin	40190003	Chemical Engineering						
7	ANU MOL	40690002	Chemical Engineering						
8	Arun	40190004	Chemical Engineering						
9	ASWIN S	41110144	Computer Science Engineering						
10	ATHULDARSH C S	41110146	Computer Science Engineering						
11	BAHAR ALI	40690003	Chemical Engineering						
12	BAINABOINA BHANU PRITEESH	41110158	Computer Science Engineering						
13	BALA NIKITH	41110159	Computer Science Engineering						
14	BALA YASHWITHA KASARAPU	41110160	Computer Science Engineering						
15	BALAMURUGAN V	42190004	Chemical Engineering						
16	CHHATRASHAL CHAUHAN	40690004	Chemical Engineering						
17	Chirag	40190005	Chemical Engineering						
18	Christila Fernando	40190006	Chemical Engineering						
19	DEVISHRI V	42190005	Chemical Engineering						
20	DHINAKARAN	40690005	Chemical Engineering						
21	DILIP KUMAR	40690006	Chemical Engineering						
22	ESAKKITHA K	42190006	Chemical Engineering						
23	ESWARAN	40690007	Chemical Engineering						
24	HAREESH A	42190007	Chemical Engineering						
25	HARINI P	42190022	Chemical Engineering						
26	Hishanthi.S	41190011	Chemical Engineering						
27	J.Jenofius Kevin	41190012	Chemical Engineering						
28	JAYAMEENAA. P	40230014	Biotechnology						
29	JAYASURYA R	42190009	Chemical Engineering						
30	JEBETHA. S.B	40230015	Biotechnology						
31	Jeev thejus	41190013	Chemical Engineering						
32	JENNITA MARY. J	40230016	Biotechnology						
33	JITENDRA YADAV	40690008	Chemical Engineering						
34	John bright.J	41190014	Chemical Engineering						
35	JOKHOO PRASAD	40690009	Chemical Engineering						
36	JUANA DARLENE VIRGIT. J	40230017	Biotechnology						
37	KAavya. A.K	40230018	Biotechnology						

38	KABILANS RAJ M	42190011	Chemical Engineering						
39	KAMESHWARAN B	41190015	Chemical Engineering						
40	KARTHIK. S	40230019	Biotechnology						
41	KATHI DHANYAKA	42190013	Chemical Engineering						
42	KATHIRVEL. K	40230020	Biotechnology						
43	KAVIYA PRIYA. K	40230021	Biotechnology						
44	KINGSTON S	42190015	Chemical Engineering						
45	KISHORE R	42190016	Chemical Engineering						
46	KRISHNAVENI B	42190017	Chemical Engineering						
47	KRITHIKA S	42230055	Biotechnology						
48	KUMMARI BRAHMA REDDY	42230056	Biotechnology						
49	LAKSHMI GAYATHRI R G	41190016	Chemical Engineering						
50	LAKSHMI N	42190020	Chemical Engineering						
51	LISANTH S P	42230057	Biotechnology						
52	LOGESHWARAN.T	41190017	Chemical Engineering						
53	M RAGESH	41111020	Computer Science Engineering						
54	MADARAPU YAMINI PRIYA	41190018	Chemical Engineering						
55	MADHAPUR VENKATA SOUMITRI	41190019	Chemical Engineering						
56	MADHUMITHA B S	42230058	Biotechnology						
57	MADHUVARSHINI K	42230059	Biotechnology						
58	MAGHASRI T	42230060	Biotechnology						
59	MAHALAKSHMI. R	40230022	Biotechnology						
60	MAHAVISHNOU. R	40230023	Biotechnology						
61	MANASI. K.A	40230024	Biotechnology						
62	MANIKANDAN.M	40230025	Biotechnology						
63	MEENAKSHY N S	42190018	Chemical Engineering						
64	MEENAMBIGAI. S	40230026	Biotechnology						
65	MIRDUSHI VASU. M	40230027	Biotechnology						
66	MITHILA R	42230061	Biotechnology						
67	MOHAMED IBRAHIM BATHUSHA	40690010	Chemical Engineering						
68	MOHAMMED ABDULLAH KHAN B	41190020	Chemical Engineering						
69	MOHAMMED AFREED A	42190019	Chemical Engineering						
70	Molleti harsha vardhan ramesh	41190021	Chemical Engineering						
71	MONISHA. V	40230028	Biotechnology						
72	MUTHU BHARATH. T	40230029	Biotechnology						
73	N.SURYA	41190022	Chemical Engineering						
74	NATISHAH. A.J	40230030	Biotechnology						
75	NISHA U	42190021	Chemical Engineering						
76	Nithin G	41190023	Chemical Engineering						

77	NITHYA SRI. G	40230031	Biotechnology						
78	NITISH KUMAR. S	40230032	Biotechnology						
79	PALANISELVAM K G	42190023	Chemical Engineering						
80	PAUL JEFRI J	41190024	Chemical Engineering						
81	PAVITHRA K	42190010	Chemical Engineering						
82	POOJA NATH	40230033	Biotechnology						
83	POTTURI BAPI RAJU	40690011	Chemical Engineering						
84	PUTTOOR YUVA RATNA REDDY	41111018	Computer Science Engineering						
85	R RAGHAV SARANGAN	41111019	Computer Science Engineering						
86	R SABARIGURU	41111084	Computer Science Engineering						
87	RACHEL P	42190025	Chemical Engineering						
88	RAGHUL RAJAH S	42230077	Biotechnology						
89	RAGUL D	42190026	Chemical Engineering						
90	RAGUL V	42190027	Chemical Engineering						
91	RAHUL R	41111021	Computer Science Engineering						
92	RAJAN A K	41111022	Computer Science Engineering						
93	RAKSHAIYA YADAV G	42230078	Biotechnology						
94	RAMANAN K	42230079	Biotechnology						
95	Ramannagari Renu Prasad	41190025	Chemical Engineering						
96	RAMPRASATH J	42230080	Biotechnology						
97	RAMYA G	42190028	Chemical Engineering						
98	REAN VERGIS MANU	42230081	Biotechnology						
99	REMO KONSEKA M	42190029	Chemical Engineering						
100	RUDRARAJU JASWANTH BHAVANI VA	42230083	Biotechnology						
101	S ABHISHEK	41111082	Computer Science Engineering						
102	S ASZAD	41110145	Computer Science Engineering						
103	S BAGAVATHY	42190003	Chemical Engineering						
104	SAAHIL RANGNANI	41111083	Computer Science Engineering						
105	SACHIN B	42230084	Biotechnology						
106	SADAM HUSSIN S	41111085	Computer Science Engineering						
107	SADAT ANWAR	41111086	Computer Science Engineering						
108	SAMMIKSHA S	42230086	Biotechnology						
109	SANDHYA PRADEEP	42230087	Biotechnology						
110	SANGEETHA P B	42190030	Chemical Engineering						
111	SANJAI KUMAR	40690012	Chemical Engineering						
112	SANJANA R	42190024	Chemical Engineering						
113	SHANOOP	40690013	Chemical Engineering						
114	SHEIK MOHAMMED SHAJI D	42190031	Chemical Engineering						
115	SOM NATH YADAV	40690014	Chemical Engineering						

116	SYED ASHIK	40690015	Chemical Engineering						
117	THILAGAN	40690016	Chemical Engineering						
118	V ASWIN KUMAR	41110143	Computer Science Engineering						
119	Gayathri G	41190009	Chemical Engineering						
120	HARISH RAJ C	41190010	Chemical Engineering						

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
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CERTIFICATE
Of Participation



This Certificate is Proudly Presented to :

Rachel P (42190025)

For participating in "**Value added course on Biogas**" program organised by
Department of Chemical Engineering, Sathyabama Institute of Science and Technology,
Chennai - 119 from 10 to 15 July 2023.

Dr. Sathish
HoD, Chemical Engineering

Dr.S.S.Dawn
HoD, Centre for Waste
Management

Value added course on Biogas

[10TH to 15TH July 2023]

Course Outcomes:

The Participants

1. Understood how to connect biogas pipe line to biogas burner.
2. Familiarized with the importance of biogas technology and biogas as a fuel for many applications for sustainable environment.





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SCHOOL OF BIO AND CHEMICAL ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

VALUE ADDED COURSE ON

Synthesis of Biodiesel and Characterization

FROM

11 – 09 - 2023

TO

16 – 09 – 2023

Course Coordinator

Dr. D Venkatesan – Associate Professor, Department of Chemical Engineering, Sathyabama Institute of Science and Technology

Dr. D Prabu – Associate Professor, Department of Chemical Engineering, Sathyabama Institute of Science and Technology

For registration:

https://docs.google.com/forms/d/1w0AcqojQhmUuQonafLNsP4F_YtqbUFXf7ttuaa1yFuW/edit

For Queries contact: chemicalhod@sathyabama.ac.in

Objective of this course:

To develop a leader in value-added biodiesel production, mastering techniques to optimize fuel production, and minimize environmental impact, to maximize profit.

Course Outcomes:

- 1. Master advanced techniques for high-quality, efficient biodiesel production.**
- 2. Minimize environmental impact throughout the biodiesel value chain.**
- 3. Maximize profitability through economic analysis and optimization.**
- 4. Ensure biodiesel quality and explore advanced application upgrades.**
- 5. Analyze emerging trends in biodiesel technology and its role in a sustainable future.**

Module	Topics	Name of the Faculty	No of Sessions	Venue
1	Biodiesel fundamentals, feedstock selection, and transesterification process.	Dr.D Venkatesan	6 hr	Seminar Hall
2	Explore advanced techniques like catalyst optimization, co-solvent technology, and downstream processing.	Dr. Michael Rahul Soosai	6 hr	Seminar Hall
3	Master quality control through analysis and strategies for meeting biodiesel standards, including upgrading for advanced applications.	Dr.D Prabhu	6hr	Seminar Hall
4	Analyze the economic and environmental impact of biodiesel production, considering sustainability throughout the value chain.,	Dr. Michael Rahul Soosai	6hr	Seminar Hall
5	Delve into emerging trends in biodiesel technology, its integration with renewables, and the future within the circular economy.	Dr. D Venkatesan	6hr	Seminar Hall
6	Assessment	Dr. M. Kartikeyan	1hr	Seminar Hall

Vision

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Mission

M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide.

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PEO2: Professional Expertise: Design of plants and process equipment's with research attitude, lifelong learning, investigative approach and multidisciplinary thinking.

PEO3: Exercising leadership: Exhibit strong managerial and communication skills to work efficiently as individual as well as in teams.

PEO4: Societal Contribution: Succeed as an entrepreneur and as environmental developer/consultant to solve the practical problems.

Synthesis of Biodiesel and Characterization

Attendance

S. No.	Name	Reg. No.	Department	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	A BHARATHI	41190006	Chemical Engineering						
2	ABDUL FARROK	41690002	Chemical Engineering						
3	AKSHAYA R S	42190045	Chemical Engineering						
4	Architha Soorya Gayathri	41190002	Chemical Engineering						
5	ARUN	41690001	Chemical Engineering						
6	ASHIKA MAHI GEETHALAYAM	42190046	Chemical Engineering						
7	ATLA JAGADISHWAR REDDY	41110147	Computer Science Engineering						
8	ATLURI SANTHOSHITHA	41110148	Computer Science Engineering						
9	AVEENAASH RAAJH. S	41190003	Chemical Engineering						
10	AVINASH S	41110149	Computer Science Engineering						
11	AVULA JAYANDRA SAINADH REDDY	41110150	Computer Science Engineering						
12	AVULA SIVARAMAKRISHNA REDDY	41110151	Computer Science Engineering						
13	AVULA VEDAVYAS	41110152	Computer Science Engineering						
14	B SRUTHI	41110154	Computer Science Engineering						
15	BADARAWADA MOUNIKA	41110155	Computer Science Engineering						
16	BAIKANI ANIL	41110157	Computer Science Engineering						
17	BENZZLEY C	41190007	Chemical Engineering						
18	CHINDU BUDDHA VENKATA SAI	41190008	Chemical Engineering						
19	D Bagyalakshmi	41190004	Chemical Engineering						
20	DHAMOTHARAN	41690004	Chemical Engineering						
21	Dhanush Kodi	40190007	Chemical Engineering						
22	DHARMENDRA KUMAR	41690003	Chemical Engineering						
23	DILIES S	42190042	Chemical Engineering						
24	DURGA GOMATHI. A	40230009	Biotechnology						
25	FATHIMA SUMAIRA. S	40230010	Biotechnology						
26	G.V. SANCHAY	42190704	Chemical Engineering						
27	Gade Divyanjali	40190008	Chemical Engineering						
28	GOWTHAMAN. J	40230011	Biotechnology						
29	GRANAP BLESSY. R	40230052	Biotechnology						
30	HAMTHAN ASWHANTH M	42190701	Chemical Engineering						
31	HARITHA. S	40230012	Biotechnology						
32	HAVINESH KUMAR. U	40230013	Biotechnology						
33	ILHAN SHAMIR ALI. M	40230051	Biotechnology						
34	J.AILEEN AKSHARAA V.RAYEN	40230050	Biotechnology						

35	JAYANTH. A	40230053	Biotechnology						
36	Kalla Gireesh Venkata Ramana	40190033	Chemical Engineering						
37	Kartheesh	40190009	Chemical Engineering						
38	KAVINKUMAR	41690005	Chemical Engineering						
39	LOKESH	41690006	Chemical Engineering						
40	Lokesh Kumar	40190010	Chemical Engineering						
41	M.Usha	41190033	Chemical Engineering						
42	Madhan	40190011	Chemical Engineering						
43	Madhavaraj	40190034	Chemical Engineering						
44	Malikal Mulki	40190012	Chemical Engineering						
45	MANOJ KUMAR KARWAR	41690008	Chemical Engineering						
46	MATHUVARSHINI. B	40230054	Biotechnology						
47	MONISHA R	42230062	Biotechnology						
48	Muhammed Fadhl	40190013	Chemical Engineering						
49	NADIYAH THAJUDEEN	42230063	Biotechnology						
50	NAFEESA S	42230064	Biotechnology						
51	Naveen Prasath	40190014	Chemical Engineering						
52	NEERAJA T	42230065	Biotechnology						
53	NIRANJANA P	42230066	Biotechnology						
54	NISHAANTH P K	42230067	Biotechnology						
55	Nithish	40190015	Chemical Engineering						
56	OVIYA B	42230068	Biotechnology						
57	PADARTHY NAGA DURGA RAAGA HA	42230069	Biotechnology						
58	PAUL SNOWIN FERNANDO C	42230070	Biotechnology						
59	Pavi Namruthaa	40190016	Chemical Engineering						
60	PAVULURI SATHWIKA	42230071	Biotechnology						
61	PRASANNA VISHAL B	42230072	Biotechnology						
62	PRAVEEN KUMAR	41690007	Chemical Engineering						
63	PRAVEEN KUMARG	42190047	Chemical Engineering						
64	PRAVEEN. S	40230034	Biotechnology						
65	PREETHAM SAI K	42230073	Biotechnology						
66	Prithvirajan	40190017	Chemical Engineering						
67	PRIYA DHARSHINI. A	40230035	Biotechnology						
68	PRIYA VARSHA A	42230074	Biotechnology						
69	PRIYADHARSHINI. S	40230036	Biotechnology						
70	PRIYANKA K	42230075	Biotechnology						

71	PULI MADHURI	42230076	Biotechnology						
72	R.Anusha	41190001	Chemical Engineering						
73	Raaja Veerappan	40190018	Chemical Engineering						
74	Rajeth Raghunath	40190019	Chemical Engineering						
75	RAKESH. S	40230038	Biotechnology						
76	Rakshana	40190020	Chemical Engineering						
77	Ramaraja	40190021	Chemical Engineering						
78	RAMESHWAR CHANDRAN. R	40230039	Biotechnology						
79	RAMU MITHRAN. L	40230040	Biotechnology						
80	Reya Dash	41190026	Chemical Engineering						
81	Rino benitto. B	41190027	Chemical Engineering						
82	Rishi Ram R	41190028	Chemical Engineering						
83	RIZWAN AHAMED. N	40230055	Biotechnology						
84	RODDA RAJASHEKER	41111023	Computer Science Engineering						
85	ROSHINI M	41111077	Computer Science Engineering						
86	ROUTHU THANAY PRABHAKAR	41111078	Computer Science Engineering						
87	RUBAN BLESSING S	41111079	Computer Science Engineering						
88	RUBASRI S	41111080	Computer Science Engineering						
89	RUDRARAJU SHIVATEJ	41111081	Computer Science Engineering						
90	S. SARAVANAN	42190702	Chemical Engineering						
91	S.K.V.BARATHKAWIN	41190005	Chemical Engineering						
92	S.Sahana	41190029	Chemical Engineering						
93	SADHANA. V	40230041	Biotechnology						
94	Sajin	40190022	Chemical Engineering						
95	SANJAY A	42190703	Chemical Engineering						
96	Santhosh Kumaar	40190023	Chemical Engineering						
97	Sathish	40190024	Chemical Engineering						
98	SHALINI K	42190032	Chemical Engineering						
99	SHIVANAND J YADAV	42190033	Chemical Engineering						
100	SHOWPARNICKAA. S.R	40230042	Biotechnology						
101	Sitharthan	40190025	Chemical Engineering						
102	Sneha	40190026	Chemical Engineering						
103	SNEHA.G.K	40230043	Biotechnology						
104	Srayansh kashyap	40190031	Chemical Engineering						
105	SRINIDHIY. C.A	40230044	Biotechnology						
106	STEWIN SUNIL	42190034	Chemical Engineering						

107	SURAJ R	42190035	Chemical Engineering						
108	SURIYARAJ. S.A.S	40230046	Biotechnology						
109	Swathi.M	41190030	Chemical Engineering						
110	Syed Mohammed Suhail	40190027	Chemical Engineering						
111	SYLVIA JESSIELA PEARL. R	40230047	Biotechnology						
112	T.Sharina Jahir	41190031	Chemical Engineering						
113	TAMILSELVAN R	42190048	Chemical Engineering						
114	THAMIZHARASAN	41690009	Chemical Engineering						
115	Tharun Kumar s j	41190032	Chemical Engineering						
116	V S RAJESHWARI	41111024	Computer Science Engineering						
117	VASANTHAKUMAR.R	41190034	Chemical Engineering						
118	VEDHAPRIYA. S	40230048	Biotechnology						
119	VENKAT KISHORE R	42190036	Chemical Engineering						
120	VENKAT VIGNESH S	42190037	Chemical Engineering						
121	Venkata Subramanian	40190028	Chemical Engineering						
122	VINDHIYA P	42190038	Chemical Engineering						
123	VINITHA LAKSHMANAN	42190039	Chemical Engineering						
124	Vinukonda Sumanth	40190032	Chemical Engineering						
125	Vishal Das	40190029	Chemical Engineering						
126	Viswajeeth boora	41190035	Chemical Engineering						
127	VYANKATESH GANESH PANTAM	40230056	Biotechnology						
128	William Joel	40190030	Chemical Engineering						
129	YESHWANTHIKA V	42190041	Chemical Engineering						
130	YUVARAJA. T	40230049	Biotechnology						

**SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
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CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

AKSHAYA R S (42190045)

For participating in "Value added Course on Synthesis of Biodiesel and Characterization"
program organised by Department of Chemical Engineering, Sathyabama Institute of Science and
Technology, Chennai - 119 from 11 to 16 September 2023.

Dr. D Venkatesan
ASSOCIATE PROFESSOR,
CHEMICAL ENGINEERING



Dr. D Prabu
ASSOCIATE PROFESSOR,
CHEMICAL ENGINEERING

VALUE ADDED COURSE ON Synthesis of Biodiesel and Characterization

[11TH to 16TH September 2023]

Course Outcomes:

The Participants

1. Familiarized with advanced techniques for high-quality, efficient biodiesel production.
2. Understood environmental impact throughout the biodiesel value chain.
3. Recognized profitability through economic analysis and optimization.
4. Acquainted biodiesel quality and explore advanced application upgrades.
5. Analyzed emerging trends in biodiesel technology and its role in a sustainable future.





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IN ASSOCIATION WITH

CENTRE FOR WASTE MANAGEMENT

VALUE ADDED COURSE ON

Value added course on Polymer Technology

FROM

18TH March 2024

TO

23TH March 2024

Course Coordinators

Dr. S. Sathish – Associate Professor and Head, Department of Chemical Engineering,
Sathyabama Institute of Science and Technology

Dr. Michael Rahul Soosai – Assistant Professor, Department of Chemical Engineering,
Sathyabama Institute of Science and Technology

For registration:

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For Queries contact: chemicalhod@sathyabama.ac.in

Objective of this course:

To master advanced polymer technology, optimizing performance, navigating processing, and leveraging innovations for high-value, sustainable applications and strategic business success.

Course Outcomes:

1. Apply advanced characterization techniques to understand and optimize polymer performance.
2. Develop and implement strategies to enhance polymer processing efficiency and troubleshoot common issues.
3. Leverage knowledge of additives, modification techniques, and recycling to create high-value, sustainable polymers.
4. Analyze market trends and develop business strategies to maximize value within the polymer value chain.

Module	Topics	Course Coordinator	No of Sessions	Platform
1	Polymer basics, characterization, processing methods.	Dr. S. Sathish	6 hr	Seminar Hall
2	Advanced materials, design, and characterization for performance.	Dr. Michael Rahul Soosai	6 hr	Seminar Hall
3	Deep dive into processing techniques, troubleshooting, and modeling.	Dr. D Prabhu	6hr	Seminar Hall
4	Explore polymer additives, modification, and recycling for enhanced value.	Dr. Michael Rahul Soosai	4hr	Seminar Hall
5	High-value applications, market trends, and sustainability in polymers.	Dr. Annam Renita	6hr	Seminar Hall
6	Assessment	Dr. S. Sathish	1hr	LMS Quiz

Vision

We empower the student community to maximize their potential for the development and transfer of technical competence in the field of Chemical Engineering through academic and research excellence extending service to the mankind.

Mission

M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide.

M2: To excel in research with an in-depth knowledge of core principles for providing solutions in process industries.

M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries.

M4: To develop sustainable solutions for the societal needs.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Excellence in Career: Compete globally with strong domain knowledge, updated with modern technology to provide effective solutions for engineering problems.

PEO2: Professional Expertise: Design of plants and process equipment's with research attitude, lifelong learning, investigative approach and multidisciplinary thinking.

PEO3: Exercising leadership: Exhibit strong managerial and communication skills to work efficiently as individual as well as in teams.

PEO4: Societal Contribution: Succeed as an entrepreneur and as environmental developer/consultant to solve the practical problems.

<i>Value added course on Polymer Technology</i>									
Attendance									
S. No.	Name	Reg. No.	Department	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	S BAGAVATHY	42190003	Chemical Engineering						
2	DEVISHRI V	42190005	Chemical Engineering						
3	ESAKKITHA K	42190006	Chemical Engineering						
4	HAREESH A	42190007	Chemical Engineering						
5	JAYASURYA R	42190009	Chemical Engineering						
6	PAVITHRA K	42190010	Chemical Engineering						
7	KATHI DHANYAKA	42190013	Chemical Engineering						
8	KINGSTON S	42190015	Chemical Engineering						
9	KISHORE R	42190016	Chemical Engineering						
10	KRISHNAVENI B	42190017	Chemical Engineering						
11	MEENAKSHY N S	42190018	Chemical Engineering						
12	LAKSHMI N	42190020	Chemical Engineering						
13	NISHA U	42190021	Chemical Engineering						
14	HARINI P	42190022	Chemical Engineering						
15	PALANISELVAM K G	42190023	Chemical Engineering						
16	SANJANA R	42190024	Chemical Engineering						
17	RACHEL P	42190025	Chemical Engineering						
18	RAGUL V	42190027	Chemical Engineering						
19	RAMYA G	42190028	Chemical Engineering						
20	SANGEETHA P B	42190030	Chemical Engineering						
21	SHALINI K	42190032	Chemical Engineering						
22	SHIVANAND J YADAV	42190033	Chemical Engineering						
23	STEWIN SUNIL	42190034	Chemical Engineering						
24	SURAJ R	42190035	Chemical Engineering						
25	VENKAT KISHORE R	42190036	Chemical Engineering						
26	VENKAT VIGNESH S	42190037	Chemical Engineering						
27	VINDHIYA P	42190038	Chemical Engineering						

28	VINITHA LAKSHMANAN	42190039	Chemical Engineering						
29	YESHWANTHIKA V	42190041	Chemical Engineering						
30	DILIES S	42190042	Chemical Engineering						
31	AKSHAYA R S	42190045	Chemical Engineering						
32	ASHIKA MAHI GEETHALAYAM	42190046	Chemical Engineering						
33	PRAVEEN KUMARG	42190047	Chemical Engineering						
34	TAMILSELVAN R	42190048	Chemical Engineering						
35	HAMTHAN ASWHANTH M	42190701	Chemical Engineering						
36	ANU SANTHANAKRISHNAN	43190001	Chemical Engineering						
37	ARSIN SHANE	43190003	Chemical Engineering						
38	GOMATHI SANKAR J	43190008	Chemical Engineering						
39	HARI KRISHNAN R	43190009	Chemical Engineering						
40	LEAH ELIZABETH RENY	43190011	Chemical Engineering						
41	MAGASRINAYA D	43190012	Chemical Engineering						
42	MICHAEL STARWIN A	43190013	Chemical Engineering						
43	NAVEEN CUMAAR V	43190014	Chemical Engineering						
44	K.V. YUTHIKA	43190021	Chemical Engineering						
45	T.NIRANJANA	43190022	Chemical Engineering						
46	S. DHARANYA	43190028	Chemical Engineering						
47	JAGAN P	43190030	Chemical Engineering						
48	SHAIK AHAMED KHAYUM	43190031	Chemical Engineering						
49	VANI SRI P	43190033	Chemical Engineering						
50	B.KANIKA	43190034	Chemical Engineering						
51	S.DIVYA	43190035	Chemical Engineering						
52	HASHIN NAZEER	43190037	Chemical Engineering						
53	ADHIL YAHYA AHAMED Z	43190039	Chemical Engineering						
54	T. SATHVIKA	43190042	Chemical Engineering						
55	NUZHA N	43190043	Chemical Engineering						



**SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)**



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PRESENT TO :



Magasrinaya (43190012)

For participating in "VALUE ADDED COURSE ON POLYMER TECHNOLOGY"
program organized by Department of Chemical Engineering, Sathyabama
Institute of Science and Technology, Chennai, from 18 to 23 March 2024.

Dr. Michael Rahul Soosai
Assistant Professor, Chemical Engineering

Dr. Sathish
HoD, Chemical Engineering

Value added course on Polymer Technology

[18TH to 23RD March 2024]

Course Outcomes:

The Participants

1. Applied advanced characterization techniques to understand and optimize polymer performance.
2. Developed and implemented strategies to enhance polymer processing efficiency and troubleshoot common issues.
3. Understood additives, modification techniques, and recycling methods to create high-value, sustainable polymers.
4. Analyzed market trends and develop business strategies to maximize value within the polymer value chain.

