



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Department of Automobile Engineering

Date: 04.02.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on "*Workshop in Diesel Pump Systems*" from 18.02.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

All reregistered students must attend all the classes without fail. The students who are completed the course successfully with good score will get the course completion certificate from the Institute/Department.

Resource person: Mr. D. Mohan Kumar and Dr. M. Senthil Kumar

Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. E. Raja

Mr. C. Jagadeesh Vikram





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Department of Automobile Engineering

Five days Value added Program on "Workshop in Diesel Pump Systems" from 18th Feb to 22nd Feb 2019

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
18.02.2019 (Monday)	Mr.D. Mohan Kumar Fundamental Study: Identify the basic principles of diesel engines and diesel fuel injection,	Dr. M. Senthil Kumar Distinguish the main properties of diesel and diesel alternative fuels, Compare and evaluate various diesel engine application
19.02.2019 (Tuesday)	Dr. M. Senthil Kumar Common Rail System: Describe the main systems and sub-systems of common rail diesel fuel injection and how these systems interact, Identify the main design features of the common rail components	Mr.D. Mohan Kumar Basic Principles of Diesel Fuel Engines & Injection, Diesel and Alternative Fuels, Applications -- Passenger car; Light-duty; Heavy-duty; Off-highway; Pressure history, Common Rail System Overview
20.02.2019 (Wednesday)	Mr.D. Mohan Kumar Diesel pump systems: Low-pressure system, High-pressure system, Controls	Dr. M. Senthil Kumar Hydraulic Components, Pumps -- Radial piston; Inline piston, Rails, Injectors -- Solenoid; Piezo, Nozzles
21.02.2019 (Thursday)	Mr.D. Mohan Kumar Valves and actuators: Control valves -- Pressure control valve; Metering unit; Pressure relief valve	Dr. M. Senthil Kumar High-pressure lines, Controls, Overview, Requirements, Functions
22.02.2019 (Friday)	Mr.D. Mohan Kumar Components, ECU, Sensors	Dr. M. Senthil Kumar Actuators, Diesel Engine Overview

Program Coordinator:

Mr. E. Raja

Mr.C. Jagadeesh Vikram,

E-Mail: raja.auto@bharathuniv.ac.in





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ACCREDITED WITH 'A' GRADE BY NAAC



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
CONDUCTING VALUE ADDED COURSE ON

WORKSHOP IN DIESEL PUMP SYSTEMS

Date

18.02.2019

Resource Person

**Dr. M. Senthil Kumar
&
Mr. D. Mohan Kumar**

Program Coordinator
Mr. E. Raja, AP / Automobile
Mr. C. Jagadeesh Vikram, AP / Automobile



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FEEDBACK FORM

- ❖ As part of a continuing improvement process, our college appreciates suggestions and inputs regarding the institution. We request you to sincerely answer these questions under assurance of complete confidentiality. Your interest in making our institution better is greatly appreciated.

Name of Department : Mechatronics

Date : 12/02/2019

Event / Speaker Name : Workshop in Diesel Pump System

- Please rate the session on the scale indicated. Your comments are most appreciated.

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					<input checked="" type="checkbox"/>
	The choice of topic was relevant to me					
2.	The Lecturer / Speaker					
	Self-confidence			<input checked="" type="checkbox"/>		
	Communication skills				<input checked="" type="checkbox"/>	
	Doubts/ queries were answered satisfactorily	<input checked="" type="checkbox"/>				
3.	The Content (Topic)					
	Refers to latest developments in the field	<input checked="" type="checkbox"/>				
	Career oriented			<input checked="" type="checkbox"/>		
	Innovative learning, if any					<input checked="" type="checkbox"/>

- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
			<input checked="" type="checkbox"/>	

- Comments (If any):

good teaching



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FEEDBACK FORM

- ❖ As part of a continuing improvement process, our college appreciates suggestions and inputs regarding the institution. We request you to sincerely answer these questions under assurance of complete confidentiality. Your interest in making our institution better is greatly appreciated.

Name of Department : Automobile Engineering

Date : 18/09/2019

Event / Speaker Name : Workshop in Diesel Pump systems

- Please rate the session on the scale indicated. Your comments are most appreciated.

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me		✓			
2.	The Lecturer / Speaker					
	Self-confidence				✓	
	Communication skills			✓		
	Doubts/ queries were answered satisfactorily					✓
3.	The Content (Topic)					
	Refers to latest developments in the field	✓				
	Career oriented			✓		
	Innovative learning, if any		✓			

- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
	✓			

- Comments (If any):

.....
..... learned many things in Automobile



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Workshop

PARTICIPATION CERTIFICATE

This is certified that Mr./Ms. SAMPADA RAO AVINASH has attended the Certificate course on **Workshop in Diesel Pump Systems** programme organized by Department of Automobile Engineering, Bharath Institute of Higher Education and Research, Chennai on 18-02-19



Co-ordinator



HOD



Dean
Mechanical Engineering





DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENTS NAME LIST

COURSE: Workshop in Diesel Pump Systems

DATE: 18.02.2019

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	<i>Praveen</i>
2	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	<i>Ali Hussain</i>
3	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	<i>Naveen</i>
4	U17AM005	SUNDERJI G	AUTOMOBILE	<i>Sunderji</i>
5	U17AM006	RANJITH R	AUTOMOBILE	<i>Ranjith</i>
6	U17AM007	YOGESHWARAN K	AUTOMOBILE	<i>Yogeshwaran</i>
7	U17AM009	KARTHICK Y	AUTOMOBILE	<i>Karthick</i>
8	U17AM011	GUTTULA DEEPAK	AUTOMOBILE	<i>Guttula Deepak</i>
9	U16AM001	RAMACHANDRAN M	AUTOMOBILE	<i>Ramachandran</i>
10	U16AM002	LIBIN BOBBY	AUTOMOBILE	<i>Libin Bobby</i>
11	U16AM004	NANDA KUMAR K	AUTOMOBILE	<i>Nanda</i>
12	U16AM005	VASANTHKUMAR R	AUTOMOBILE	<i>Vasanth Kumar</i>
13	U16AM006	KARANPRAKASH R	AUTOMOBILE	<i>Karan</i>
14	U15AM025	SAMPADA RAO AVINASH	AUTOMOBILE	<i>Sampada Rao</i>
15	U15AM026	SATHISHKUMAR A	AUTOMOBILE	<i>Sathish Kumar</i>
16	U15AM027	SRIHARI K	AUTOMOBILE	<i>Srihar</i>



17	U15AM028	TARIGOPPALA NITHIN KUMAR	AUTOMOBILE	Ran Nishu
18	U15MT501	NAREN KUMAR	MECHATRONICS	Naren
19	U15MT503	MUGHIL VERMA	MECHATRONICS	Mughil
20	U15MT702	NEELAM SRIKANTH	MECHATRONICS	Neelam
21	U15MT703	MOHANAKUMARESAN B	MECHATRONICS	Mohan
22	U15MT704	HARI PRASATH V K	MECHATRONICS	Hari
23	U16MT015	SOMENDRAN A	MECHATRONICS	Som.A
24	U16MT017	Y MOHAMMED SHAHID SHARIFF	MECHATRONICS	Yashid
25	U16MT018	RATHISH KRISHNAN R	MECHATRONICS	Rathish
26	U16MT501	MUGILAN M	MECHATRONICS	Mugilan
27	U17MT504	ARAVIND K	MECHATRONICS	Aravind
28	U17MT701	KEERTHIVASAN G	MECHATRONICS	Keerthi
29	U17MT703	KOLLATI NAGA SIVA	MECHATRONICS	Kollati
30	U15ME182	PRINCE KUMAR	MECHANICAL	Prince
31	U15ME184	PUTTANA NAVEEN KUMAR REDDY	MECHANICAL	Puttana
32	U15ME186	PUTTURU	MECHANICAL	Puttur
33	U15ME187	ANANTH KUMAR	MECHANICAL	Ananth
34	U15ME188	PONMOORTHY	MECHANICAL	Ponmoorthy
35	U15ME189	GILL JEFERIN	MECHANICAL	Gill
36	U15ME701	SARAVANAN	MECHANICAL	Saravanan
37	U15ME702	SATHISH	MECHANICAL	Sathish
38	U15ME703	ARUNKUMAR	MECHANICAL	Arunkumar
39	U15ME704	DIVINO	MECHANICAL	Divino
40	U16ME106	RAJEEV KUMAR	MECHANICAL	Rajeev



41	U16ME107	MANOJ	MECHANICAL	-AB-
42	U16ME113	PYNKHLAINBORLANG	MECHANICAL	Pynkhlain
43	U16ME115	GUNA	MECHANICAL	Guna
44	U16ME119	PALAPALA	MECHANICAL	-AB-
45	U17ME054	BALAGA	MECHANICAL	Balaga
46	U17ME055	GUDUGUNTLA SRAVAN KUMAR	MECHANICAL	Gudugunta
47	U17ME079	JADDU SIVA RAMA KRISHNA	MECHANICAL	-AB-
48	U17ME080	ANGADALA PAVAN KALYAN	MECHANICAL	Angadala
49	U17ME094	KARRI GOWTHAM MALLA REDDY	MECHANICAL	Karri
50	U17ME095	SARAKANA UDAY KUMAR	MECHANICAL	-AB-
51	U17ME111	SERU SAI RAM REDDY	MECHANICAL	Seru
52	U17ME124	BALAGA	MECHANICAL	Balaga

No of Students Registered: 52

No of Students present: 48





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Requisition Letter

Date: 19.02.2019

From

The Head of the Department,
Department of Automobile Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

To


The Dean Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on "Certificate Course in Refrigeration and Air-conditioning Systems" on 18/03/2019. In this regard we kindly request you to grant permission for the same.

Thanking You


HOD/AUTO


Dean Engineering





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Department of Automobile Engineering

Date: 04.03.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on "*Certificate Course in Refrigeration & Air-Conditioning System*" from 18.03.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

All reregistered students must attend all the classes without fail. The students who are completed the course successfully with good score will get the course completion certificate from the Institute/Department.

Resource person: Mr. S. Nakeeran and Mr. S. Thirumavalavan

Maximum no. of registration allowed – 60.

*First come first serve basis.

Program coordinator

Mr. E. Raja

Mr. C. Jagadeesh Vikram





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Department of Automobile Engineering

Five days Value added Program on "Certificate Course in Refrigeration and Air-Conditioning Systems" from 18th March to 22nd March 2019

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
18.03.2019 (Monday)	Mr. S. Nakeeran Health and safety precautions, use of PPE, History of Refrigeration	Mr. S. Thirumavalavan Identification and use of basic tools and measuring instruments
19.03.2019 (Tuesday)	Mr. S. Thirumavalavan Basics of Science and Physics, basics of Electrical and Electronics and testing of PCB components.	Mr. S. Nakeeran Principles and working of Refrigeration system, Compressor, Condenser, Evaporator, Refrigerant Control Device
20.03.2019 (Wednesday)	Mr. S. Nakeeran System support accessories, Lubrication, Refrigerant, preventive maintenance, fault diagnosis and repairing.	Mr. S. Thirumavalavan Study of different models of refrigerator, PCB error codes,
21.03.2019 (Thursday)	Mr. S. Thirumavalavan Internal wiring, Insulation and its properties, rectification of faults and preventive maintenance.	
22.03.2019 (Friday)	Mr. S. Nakeeran Types of Domestic Air condition machines, components, operations	Mr. S. Thirumavalavan Internal wiring, installation, PCB error codes, fault finding and repairing.

Program Coordinator:

Mr. E. Raja

Mr.C. Jagadeesh Vikram,

E-Mail: raja_auto@bharathuniv.ac.in





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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
CONDUCTING VALUE ADDED COURSE ON

CERTIFICATE COURSE IN
REFRIGERATION AND AIR CONDITIONING

Date

18.03.2019

Resource Person

Mr. S. Nakkeeran
&
Mr. S. Thirumavalavan

Program Coordinator

Mr. E. Raja, AP / Automobile

Mr. C. Jagadeesh Vikram, AP / Automobile



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Name of Department : Automobile Engineering

Date : 18/02/2019

Event / Speaker Name : Certificate course in Refrigeration and Air Conditioning.

- Please rate the session on the scale indicated. Your comments are most appreciated.

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me	✓				
2.	The Lecturer / Speaker					
	Self-confidence	✓				
	Communication skills			✓		
	Doubts/ queries were answered satisfactorily	✓				
3.	The Content (Topic)					
	Refers to latest developments in the field	✓				
	Career oriented			✓		
	Innovative learning, if any	✓				

- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
✓				

- Comments (if any):

good teaching.



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Name of Department : Mechatronics

Date : 18/03/2019

Event / Speaker Name : Certificate Course in Refrigeration & Air Conditioning

- Please rate the session on the scale indicated. Your comments are most appreciated.

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me				✓	
2.	The Lecturer / Speaker					
	Self-confidence		✓			
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily	✓				
3.	The Content (Topic)					
	Refers to latest developments in the field					✓
	Career oriented				✓	
	Innovative learning, if any			✓		

- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
			✓	

- Comments (If any):

good staff



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CERTIFICATE

OF APPRECIATION

This is to certify that

TADIKONDA SAI TEJA

Of

BHARATH UNIVERSITY

DATE: 18-03-2019

Has attended the
Certificate Course in Refrigeration & Air-conditioning
Organized by
Department of Automobile Engineering
Bharath Institute of Higher Education and Research,
Chennai, Tamil Nadu.



Co-ordinator

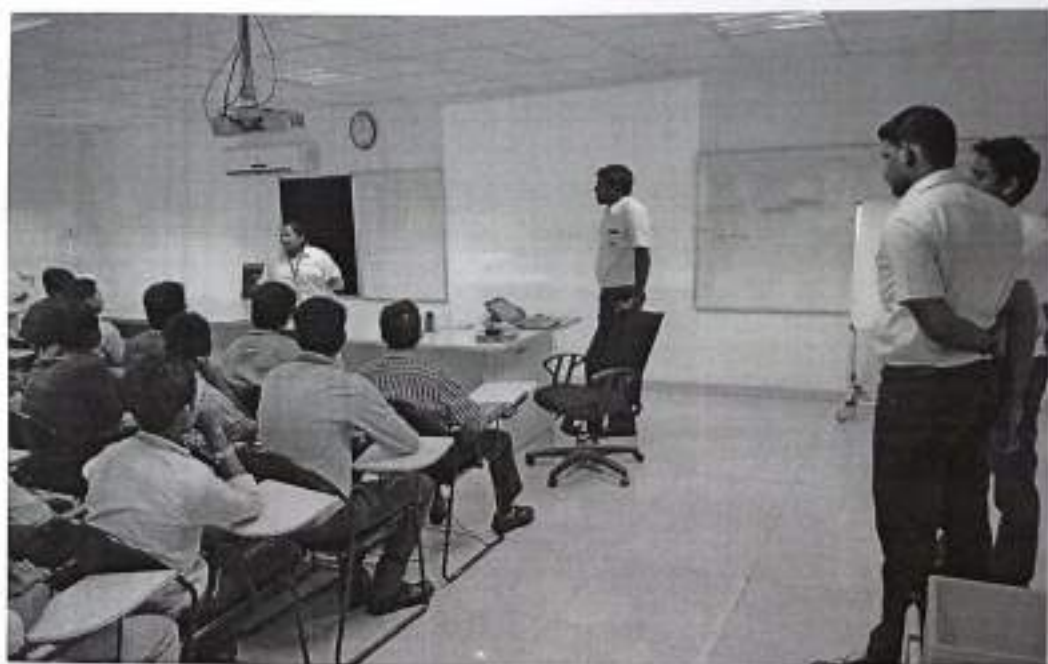


HOD



Dean
Mechanical Engineering







DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENTS NAME LIST

COURSE: Certificate Course in Refrigeration & Air-conditioning DATE: 18.03.2019

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	<i>Praveen G</i>
2	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	<i>Ali Hussain</i>
3	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	<i>Naveen K</i>
4	U17AM005	SUNDERJI G	AUTOMOBILE	<i>Sunderji G</i>
5	U17AM006	RANJITH R	AUTOMOBILE	<i>Ranjith R</i>
6	U17AM007	YOGESHWARAN K	AUTOMOBILE	<i>Yogeshwar K</i>
7	U17AM009	KARTHICK Y	AUTOMOBILE	<i>Karthick Y</i>
8	U17AM011	GUTTULA DEEPAK	AUTOMOBILE	<i>Guttula Deepak</i>
9	U16AM001	RAMACHANDRAN M	AUTOMOBILE	<i>Ramachandran M</i>
10	U16AM002	LIBIN BOBBY	AUTOMOBILE	<i>Libin Bobby</i>
11	U16AM004	NANDA KUMAR K	AUTOMOBILE	<i>Nanda Kumar K</i>
12	U16AM005	VASANTHKUMAR R	AUTOMOBILE	<i>Vasanth Kumar R</i>
13	U16AM006	KARANPRAKASH R	AUTOMOBILE	<i>Karan Prakash R</i>
14	U16AM007	SUNDARESWARAN B	AUTOMOBILE	<i>Sundareswaran B</i>
15	U15AM022	RAJU BARMAN	AUTOMOBILE	<i>Raju Barman</i>



16	U15AM023	RAMA KRISHNAN V K	AUTOMOBILE	Rama Krishna V K
17	U15AM024	REGULA BHARATH	AUTOMOBILE	-AB-
18	U15AM025	SAMPADA RAO AVINASH	AUTOMOBILE	Sampada Rao
19	U15MT005	KARTHIGAYAN P	MECHATRONICS	Karthi
20	U15MT007	MOHAMMED IDRIS S	MECHATRONICS	S. Mohammed
21	U15MT008	OVIAN NICHOLAS	MECHATRONICS	Ovian N.
22	U15MT010	TADIKONDA SAI TEJA	MECHATRONICS	Tadikonda
23	U16MT004	SRINATH B	MECHATRONICS	-AB-
24	U16MT005	DHANASEKAR R	MECHATRONICS	Dhanasekar
25	U16MT006	GOUTHAM M	MECHATRONICS	-AB-
26	U16MT007	SATHIYASEELAN S	MECHATRONICS	Sathyaseelan
27	U17MT051	BOLLEDDU RAVI TEJA .	MECHATRONICS	-AB-
28	U17MT052	SATHISH KUMAR S	MECHATRONICS	Sathish Kumar
29	U17MT053	GOKULAKRISHNAN U	MECHATRONICS	-AB-
30	U17MT054	VASANTH S	MECHATRONICS	Vasanth
31	U17MT055	YOKESH RAJ V	MECHATRONICS	Yokesh Raj
32	U17MT056	SURYA PRAKASH N	MECHATRONICS	Surya Prakash N
33	U15ME164	NEHAL	MECHANICAL	-AB-
34	U15ME165	PALA	MECHANICAL	Pala
35	U15ME166	PALANNA CALVIN DENNIS HARISON	MECHANICAL	Palanna Calvin
36	U15ME167	PANKAJ KUMAR	MECHANICAL	Pankaj
37	U15ME168	PANTHANGI PAVAN KALYAN	MECHANICAL	Panthangi Pavan



38	U15ME169	PARANI SUNDAR	MECHANICAL	Roran Sun.
39	U15ME170	PARIPALLI	MECHANICAL	Ran P-i
40	U15ME171	PARTHIBAN	MECHANICAL	Parthi B.
41	U15ME172	PARUPALLI	MECHANICAL	Ran P-i
42	U16ME129	DEEPAK RAJAN	MECHANICAL	Deepak R.
43	U16ME131	VIJAY	MECHANICAL	Vijay
44	U16ME133	AKASH	MECHANICAL	Akash
45	U16ME134	ARANYA	MECHANICAL	Aran
46	U16ME140	MO WASEEM	MECHANICAL	Mo Wase
47	U16ME504	MASAPALLI	MECHANICAL	Masali
48	U17ME246	KUNCHE	MECHANICAL	Kunche
49	U17ME260	MOLUGURI VIJAY KUMAR	MECHANICAL	Moluguri
50	U17ME264	GOKUL	MECHANICAL	Gokul
51	U17ME272	KAVIYARASU	MECHANICAL	Kaviyas.
52	U17ME276	BASHRUDIN MIYA MANSURI	MECHANICAL	Bashrudin
53	U17ME278	DHANUSH	MECHANICAL	Dhanush
54	U17ME285	PANDURANGAN	MECHANICAL	Panduran
55	U17ME286	YOGACHENDOORAN	MECHANICAL	Yogachendooran
56	U17ME512	ABUBAKKAR SIDHEEK	MECHANICAL	Abubekkar

No of Students Registered: 56

No of Students present: 50

