

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

CIRCULAR

30/01/2023

AMSCE/ME/VAC01/2022-2023

It is informed to all the students of Mechanical Engineering, it is proposed to conduct Value Added Courses on **"ASSEMBLING AND DISMANTLING OF IC ENGINE** (30 hours duration) offered in our campus **THERMAL ENGINEERING LABORATORY** that the course starts from 08.02.2022 to 27/02/2023. Detailed Schedule along with information for taking up this Industry based courses are shared before the commencement of the program. All the students of second year Mechanical Engineering are requested to follow the guidelines given to derive the maximum benefits from the resource person.

Note:

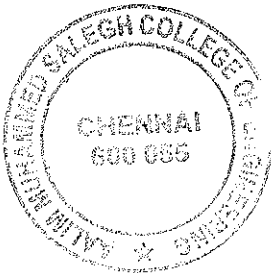
*Minimum 80 % attendance mandatory to receive the certificates.

*Assessment Test will be conducted at the end of session.

RESOURCE PERSON:

Mr. R. MANIKANDAN, Assistant Professor, Department of Mechanical Engineering

Aalim Muhammed Salegh College of Engineering.



M2
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDIPE
CHENNAI 600 055

[Signature]
Head - Mechanical Engineering



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

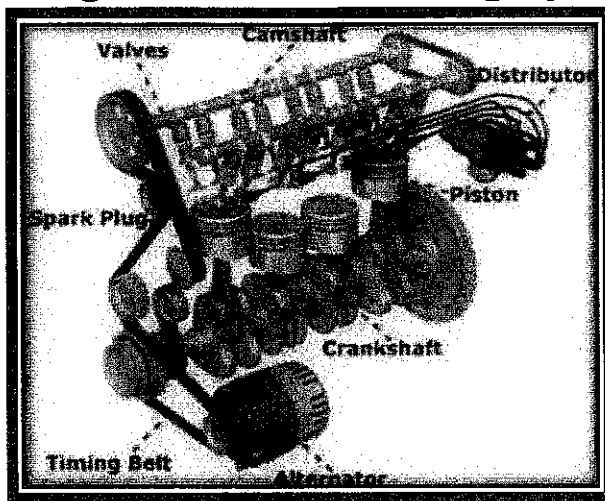


DEPARTMENT OF MECHANICAL ENGINEERING

Organise
Value Added Course

on

“Assembling and Dismantling of IC Engine”



Course Details:

Resource Person:

Mr. R. Manikandan, Assistant Professor, Department of Mechanical Engineering.

Duration: 30Hrs

Course start: 08/02/2023

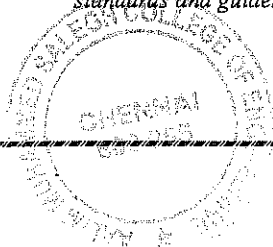
Time: 3:50pm to 6:00pm.

Venue: Thermal Engineering Laboratory, Mechanical/Civil Block.

Contact (resource person): +91-9094044612

Course Objectives:

- **Develop Practical Skills:** Equip students with hands-on experience and practical skills required for the proper assembly and dismantling of IC engines, including the use of specialized tools and equipment.
- **Understand Engine Components and Functionality:** Provide in-depth knowledge of the various components of an IC engine, their functions, and how they interact within the engine system. This includes understanding the mechanics, materials, and design considerations of each part.
- **Promote Safety and Best Practices:** Emphasize the importance of safety procedures and best practices during the assembly and dismantling process. This includes proper handling of components, recognizing potential hazards, and adhering to industry standards and guidelines.



M2
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

From

Date: 30/01/2023

The Head of the Department
Department of Mechanical Engineering,
Aalim Muhammed Salegh college of Engineering,
Muthapudupet, Avadi, I.A.F.,
Chennai- 600 055.

To

The Principal,
Aalim Muhammed Salegh college of Engineering
Muthapudupet, Avadi I.A.F.,
Chennai - 600 055.

Sub: Requisition for the Approval to conduct Value Added Course in
Mechanical department - Regarding.

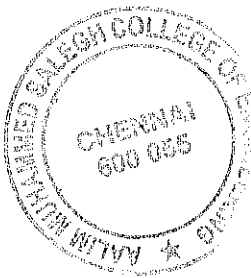
Respected Sir,


We would like to conduct a Value Added Course on the title "**Assembling and Dismantling of IC Engine**" for Second year mechanical students by the resource person, Mr. R. Manikandan, Assitant Professor, Aalim Muhammed Salegh College of Engineering, Chennai, who will be organizing the course. The scheduled date for the value added course is from 08/02/2023 to 27/02/2023. So we kindly request you to provide approval for the same.

Thanking you

Yours Faithfully


30/01/2023
HOD/MECH




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPE
CHENNAI 600 055



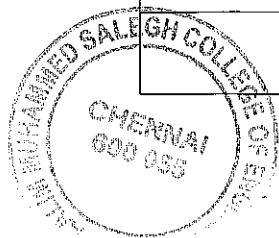
AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
IAF-AVADI, CHENNAI - 55
DEPARTMENT OF MECHANICAL ENGINEERING




Value Added Course Details

Course Name: Assembling & Dismantling of IC Engine Date: 08-02-2023 to 27-02-2023
Time: - 3.50 p.m to 6.00 p.m

Duration	Content	Total Hours
08.02.2023 to 13.02.23	Topic : 1 Introduction to IC Engines <ul style="list-style-type: none">• Introduction to consolidation processes• Engine Components• Working Principles	8
14-02-2023 to 17-02-2023	Topic : 2 Dismantling of IC Engines <ul style="list-style-type: none">• Handling of Tools• Engine Classification• Engine Nomenclature• 2 stroke and 4 stroke engines• S.I & C.I Engines	8
18-02-2023 to 22-02-2023	Topic : 3 Hands on Training on Engine Assembly and Dismantling 2 stroke Engine <ul style="list-style-type: none">• Tools Handling• Port Timing Diagram• Fuel Supply System• Dismantling• Assembling	8
23-02-2022 to 27-02-2023	Topic: 4 Hands on Training on Engine Assembly and Dismantling 4 stroke Engine <ul style="list-style-type: none">• Tools Handling• Valve Timing Diagram• Fuel Supply System• Dismantling• Assembling	8
Total Hours		30




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, SECTIAPODUPE
CHENNAI 600 055


HOD / MECHANICAL ENGINEERING



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Approved by All India Council for Technical Education - New Delhi, Affiliated to Anna University, Chennai
NAAC Accredited Institution

"Nizara Educational Campus", Muthapudupet, Avadi - IAF, Chennai - 600 055.

ANNA UNIVERSITY COUNSELLING CODE: 1101



Value Added Course Tentative Time Table And Schedule

Value Added Course Name: Assembly and Dismantling of IC Engine

Date of Commencement: From 08/02/2023

Timing 3.50 pm to 6.00 pm

Tentative Date of Exam- 27/02/2023

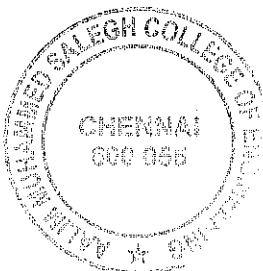
Tentative Course Schedule - 08/02/2023 to 27/02/2023 (As per following)

No. Of Days: 15

Course Hours: 30

Speaker: Er.R. Manikandan

1. Topic -1: Introduction to IC engine– 08/02/2023 & 13/02/2023 – 8 hrs
2. Topic -2: Engine Disassembly and Inspection– 14/02/2023 & 17/02/2023– 8 Hours
3. Topic -3: Hands on training engine assembling and dismantling (Two stroke cycle engine) - 18/02/2023 & 22/02/2023– 8 Hours
4. Topic -4: Hands on training engine assembling and dismantling (Four stroke cycle engine)– 23/02/2023 & 27/02/2023 – 6 Hours



PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPE
CHENNAI 600 055

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
MUTHAPUTHUPEI, AVADI I.A.F., CHENNAI - 600-055.

DEPARTMENT OF MECHANICAL ENGINEERING

COURSE ON "ASSEMBLING AND DISMANTLING OF AN IC ENGINE"
STUDENTS ATTENDANCE LIST

COURSE INSTRUCTOR: MR. P. MONI SUNDARAN

REG NO	NAME	8/2/23	9/2/23	10/2/23	13/2/23	14/2/23	15/2/23	16/2/23	17/2/23
110121114001	ABDUL AIBEZM	ajeer	ajeer	ajeer	ajeer	ajeer	A's	ajeer	ajeer
110121114002	ABDUL WAHEEM	Wahed	Wahed	Wahed	Wahed	Wahed	Wahed	Wahed	Wahed
110121114003	AHAMED BAIJUL M	Abir	Abir	Abir	Abir	Abir	Abir	Abir	Abir
110121114004	AHAMED KABER H	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer
110121114005	S. AHZAN BARUDUS SAMAD	Samad	Samad	Samad	Samad	Samad	Samad	Samad	Samad
110121114006	V DILIBABU	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip
110121114007	N.FURQAN	Furqan	Furqan	Furqan	Furqan	Furqan	Furqan	Furqan	Furqan
110121114008	B.KARTHIKEYAN	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan
110121114009	S.KEHADEEL	Khalid	Khalid	Khalid	Khalid	Khalid	Khalid	Khalid	Khalid
110121114010	MAHMOOD SULAIMAN A	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman
110121114011	J.MARK ANTONY	Antony	Antony	Antony	Antony	Antony	Antony	Antony	Antony
110121114012	S.MOHAIDEEN ABDUL KADAR	Kadar	Kadar	Kadar	Kadar	Kadar	Kadar	Kadar	Kadar
110121114013	M.MOHAMED ABDUL KAREEM	Kareem	Kareem	Kareem	Kareem	Kareem	Kareem	Kareem	Kareem
110121114014	MOHAMED AZARUDEEN K	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen
110121114015	S MOHAMED KAZEEN	Kazeem	Kazeem	Kazeem	Kazeem	Kazeem	Kazeem	Kazeem	Kazeem
110121114016	A.MOHAMED THAMEESUDEEN	Thameesudeen	Thameesudeen	Thameesudeen	Thameesudeen	Thameesudeen	Thameesudeen	Thameesudeen	Thameesudeen
110121114017	M. MOHAMED FAYASUDEEN	Fayassudeen	Fayassudeen	Fayassudeen	Fayassudeen	Fayassudeen	Fayassudeen	Fayassudeen	Fayassudeen
110121114018	J.MOHAMMED SHAKHEEL	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel
110121114019	NAWASIR HUSAIN S	Nawaz	Nawaz	Nawaz	Nawaz	Nawaz	Nawaz	Nawaz	Nawaz
110121114020	A S RAIYAN	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan
110121114021	S.SAFEEB WASEEM	Saad	Saad	Saad	Saad	Saad	Saad	Saad	Saad
110121114022	R. SEENTIRIYAS KHAN	Seentiriyas	Seentiriyas	Seentiriyas	Seentiriyas	Seentiriyas	Seentiriyas	Seentiriyas	Seentiriyas
110121114023	M.SHAIK SHAHIBEM	Shahib	Shahib	Shahib	Shahib	Shahib	Shahib	Shahib	Shahib
110121114024	M.SYED ABDUL RAHUMAN	Syed	Syed	Syed	Syed	Syed	Syed	Syed	Syed
110121114025	M.SYED IBRAMISEA	Ibrahim	Ibrahim	Ibrahim	Ibrahim	Ibrahim	Ibrahim	Ibrahim	Ibrahim
110121114301	ABDUL RAHIM	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim
110121114302	ASIF. H	Asif	Asif	Asif	Asif	Asif	Asif	Asif	Asif
110121114303	DEVARAJAN. S	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan
110121114304	DILIP	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip
110121114305	FOWSAL HASSAN	Fowsal	Fowsal	Fowsal	Fowsal	Fowsal	Fowsal	Fowsal	Fowsal
110121114306	HARISEEMAN	Hariseem	Hariseem	Hariseem	Hariseem	Hariseem	Hariseem	Hariseem	Hariseem
110121114307	KUMARA GURU	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar
110121114313	MOHAM BABU	Moham	Moham	Moham	Moham	Moham	Moham	Moham	Moham
110121114308	MOHAMED IRSHATH	Irshath	Irshath	Irshath	Irshath	Irshath	Irshath	Irshath	Irshath

PRINCIPAL SALEGH
 MUHAMMED SALEGH
 COLLEGE OF ENGINEERING

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

MUTHAPUTHUPET, AVADI I.A.F., CHENNAI - 600 055.

DEPARTMENT OF MECHANICAL ENGINEERING

COURSE ON "ASSEMBLING AND DISMANTLING OF AN IC ENGINE"

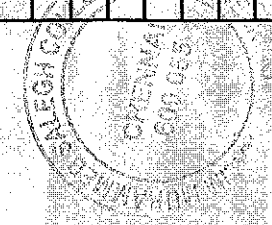
STUDENTS ATTENDANCE LIST

COURSE INSTRUCTOR: MR. P. MANI KANDAN

REG NO	NAME	18/12/23	19/12/23	20/12/23	21/12/23	22/12/23	23/12/23	24/12/23	27/12/23
110121114001	ABDUL AJEEZ M	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul
110121114002	ABDUL WAHID M	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul
110121114003	AHAMED BAISUL M	AB	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul	Abdul
110121114004	AHAMED KABEER H	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer
110121114005	S. AHZAN BARUDUS SAMAD	Samad	Samad	Samad	Samad	Samad	Samad	Samad	Samad
110121114006	V DILLIBABU	Dillibabu	Dillibabu	Dillibabu	Dillibabu	Dillibabu	Dillibabu	Dillibabu	Dillibabu
110121114007	N.FURQAAN	Furqaan	Furqaan	Furqaan	Furqaan	Furqaan	Furqaan	Furqaan	Furqaan
110121114008	B.KARTHIKEYAN	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan
110121114009	S.KHALEEL	Khalil	Khalil	Khalil	Khalil	Khalil	Khalil	Khalil	Khalil
110121114010	MAHMOOD SULAIMAN A	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman
110121114011	J.MARK ANTONY	Antony	Antony	Antony	Antony	Antony	Antony	Antony	Antony
110121114012	S.MOHAIDEEN ABDUL KADAR	Mohideen	Mohideen	Mohideen	Mohideen	Mohideen	Mohideen	Mohideen	Mohideen
110121114013	M.MOHAMED ABDUL KARBEEM	Karbeem	Karbeem	Karbeem	Karbeem	Karbeem	Karbeem	Karbeem	Karbeem
110121114014	MOHAMED AZARUDEEN K	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen	Azarudeen
110121114015	S MOHAMED RAZEEN	Razeen	Razeen	Razeen	Razeen	Razeen	Razeen	Razeen	Razeen
110121114016	A.MOHAMED THAMBESUDEEN	Thambesudeen	Thambesudeen	Thambesudeen	Thambesudeen	Thambesudeen	Thambesudeen	Thambesudeen	Thambesudeen
110121114017	M. MOHAMED FAYASUDEEN	Fayasudeen	Fayasudeen	Fayasudeen	Fayasudeen	Fayasudeen	Fayasudeen	Fayasudeen	Fayasudeen
110121114018	J MOHAMMED SHAKEEL	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel	Shakeel
110121114019	NA WASIR HUSAIN S	Wasir	Wasir	Wasir	Wasir	Wasir	Wasir	Wasir	Wasir
110121114020	A S RAIYAN	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan	Raiyan
110121114021	S.SAEEB WASEEM	Waseem	Waseem	Waseem	Waseem	Waseem	Waseem	Waseem	Waseem
110121114022	R. SEENI RIYAS KHAN	Riyas	Riyas	Riyas	Riyas	Riyas	Riyas	Riyas	Riyas
110121114023	M.SHAIK SHAHEEM	Shaheem	Shaheem	Shaheem	Shaheem	Shaheem	Shaheem	Shaheem	Shaheem
110121114024	M.SYED ABDUL RAHUMAN	Rahuman	Rahuman	Rahuman	Rahuman	Rahuman	Rahuman	Rahuman	Rahuman
110121114025	M.SYED IBRAMSHA	Ibramsha	Ibramsha	Ibramsha	Ibramsha	Ibramsha	Ibramsha	Ibramsha	Ibramsha
110121114301	ABDUL RAHIM	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim
110121114302	ASIF, H	Asif	Asif	Asif	Asif	Asif	Asif	Asif	Asif
110121114303	DEVARAJAN, S	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan	Devarajan
110121114304	DILIP	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip
110121114305	FOWSAL HASSAN	Hassan	Hassan	Hassan	Hassan	Hassan	Hassan	Hassan	Hassan
110121114306	HARISHMAAN	Harishmaan	Harishmaan	Harishmaan	Harishmaan	Harishmaan	Harishmaan	Harishmaan	Harishmaan
110121114307	KUMARA GURU	Guru	Guru	Guru	Guru	Guru	Guru	Guru	Guru
110121114313	MOHAMBABU	Mohambabu	Mohambabu	Mohambabu	Mohambabu	Mohambabu	Mohambabu	Mohambabu	Mohambabu
110121114308	MOHAMED IRSHATH	Irshath	Irshath	Irshath	Irshath	Irshath	Irshath	Irshath	Irshath

M

PRINCIPAL
AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING



REG NO	NAME	18/2/23	20/2/23	21/2/23	22/2/23	23/2/23	24/2/23	27/2/23
110121114309	MOHAMED ISHAQ	Isaiah	Isaiah	Isaiah	Isaiah	Isaiah	Isaiah	Isaiah
110121114310	MOHAMMED IBRAHIM	Tharun	Tharun	Tharun	Tharun	Tharun	Tharun	Tharun
110121114311	MOHAMMED MUJIP. Y	Mujip	Mujip	Mujip	Mujip	Mujip	Mujip	Mujip
110121114312	MOHAMMED SAJITH	Sajith	Sajith	Sajith	Sajith	Sajith	Sajith	Sajith
110121114314	NARESH. R	Narash	Narash	Narash	Narash	Narash	Narash	Narash
110121114315	RAGU. M	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu
110121114316	RAHAMATHULLA. I	Ramathulla	Ramathulla	Ramathulla	Ramathulla	Ramathulla	Ramathulla	Ramathulla
110121114317	WAHID AMEEN. S	Wahid	Wahid	Wahid	Wahid	Wahid	Wahid	Wahid
110121114701	KANNADASAN	Kannadasan	Kannadasan	Kannadasan	Kannadasan	Kannadasan	Kannadasan	Kannadasan

[Signature]
 HAED/MECHANICAL

[Signature]

PRINCIPAL
 AALIM MUHAMMED SALEGH
 COLLEGE OF ENGINEERING
 WADI - IAF MUTHAPADIPIPER

[Signature]

PRINCIPAL
 AALIM MUHAMMED SALEGH
 COLLEGE OF ENGINEERING



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING



Approved by All India Council for Technical Education - New Delhi Affiliated to Anna University, Chennai

NACC Accredited Institution

"Nizara Educational Campus", Muthapudupet, Avadi - IAF, Chennai - 600 055.

CERTIFICATE

This is to certify that MR. KARTHIKEYAN B
of Aalim Muhammed Salegh College of Engineering has participated and successfully
completed a value added course on ASSEMBLING AND DISMANTELING OF AN I.C ENGINE
conducted by Department of Mechanical Engineering during 08.02.2023 To 27.02.2023 (30 Hrs.)


P. Prateek
Coordinator

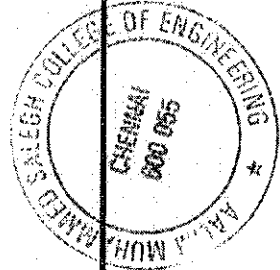
Mr. P. Muniraja Chandra
Assistant Professor


S. Ramkumar
Head

Dr. S. Ramkumar
Associate Professor


Principal

Dr. S. Sathish
Professor



PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING