

INDEX

CRITERION: 1.2.2

1.2.2 Number of Add on /Certificate programs offered academic year

2022-2023

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATASCIENCE

VALUE ADDED COURSE

(2022 – 2023 ODD SEM)

Foundations of Programming and Problem Solving

Report

Department of AI&DS have organized a value added course “**Foundations of Programming and Problem Solving**” for our III year CSE, AD students and IV CSE students. This program is aimed to create interest in software programming and to improve the coding ability in different languages (C, C++, Java and Python) and to know the importance of test cases. **Dr. Anandkumar Prakasam, Root – IT learning Centre Research Consultancy, Trichy**, has been identified as resource person for this value added course. Based on above requirements, Syllabus was framed and schedule was finalized with HoD and Principal.


The course was conducted and completed along with Hands-on session as per plan in CSE LAB 1. Students were provided with 8 different set of questions for each topics and they were made practiced in Lab sessions.

Introduction about Test cases was given to IV year students and sample test cases were explained and practiced.

At the end of course, feed-back was received from students. Students were assessed by online assessment test. Simple projects were identified and assigned to students. Those projects are under progress.

All details regarding value added course are attached.


CO-ORDINATOR
[M.V(JAYALAKSHMI)]


HOD

Foundations of Programming and Problem Solving

Resource Person



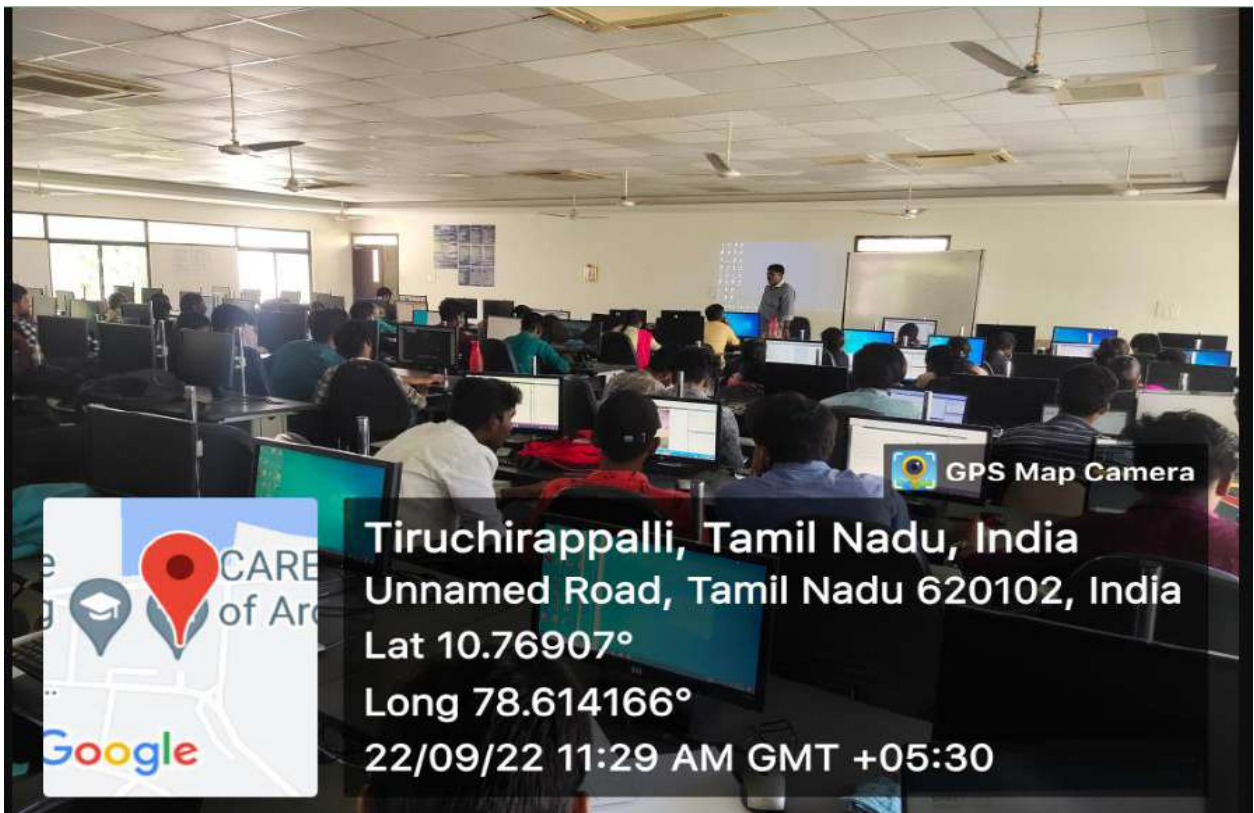
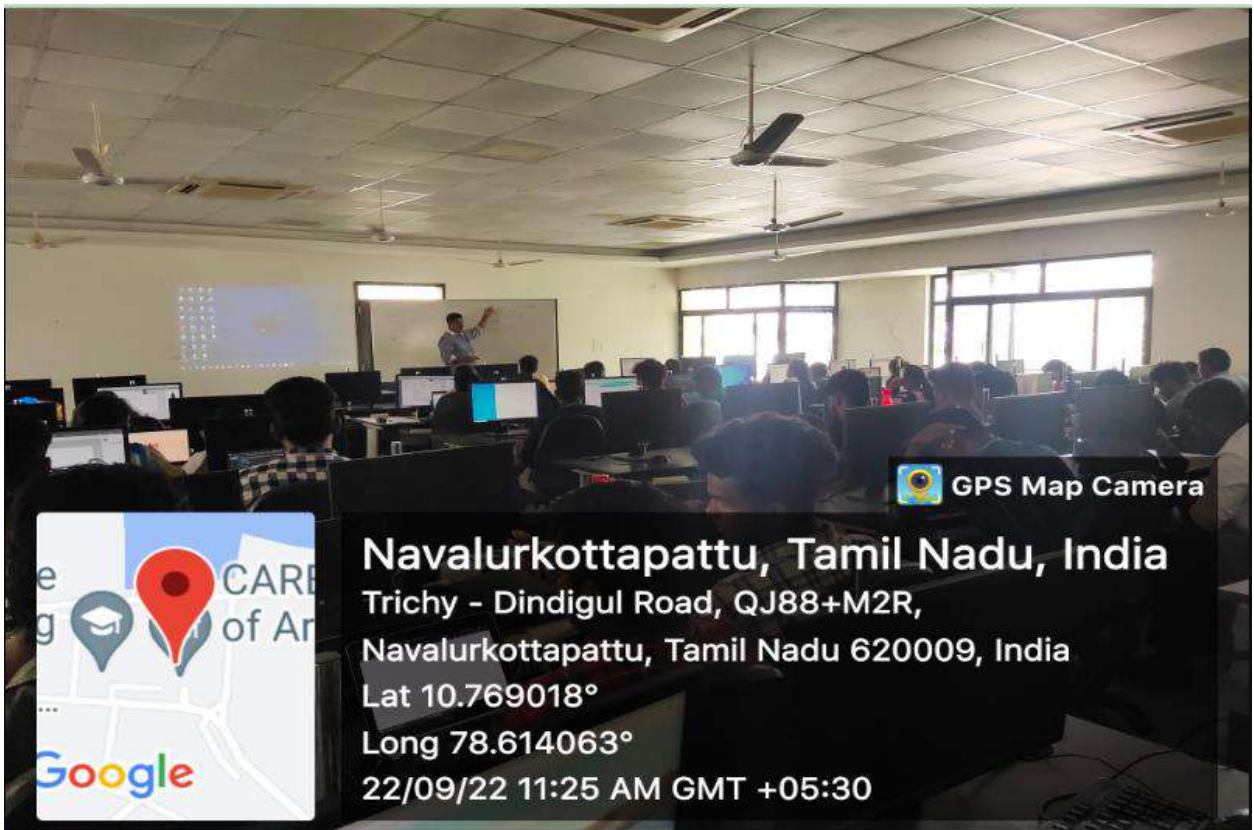
Dr. Anandkumar Prakasam,
 Root – IT learning Centre Research Consultancy, Trichy
root.anand@gmail.com

Number of Days	: 14 Days
Academic Year	: 2022 – 23 (ODD)
Target Audience	: III CSE, IV CSE & III AI & DS
Total Sessions	: 18 Sessions
Total Hours	: 54 Hours

Department	Year/ Semester	Topics	Number of Students	Dates Covered	Number of Days
CSE	III / V	Fundamentals of Programming Languages	40	10/8/2022 (FN), 16/8/2022 (FN), 17/8/2022 (FN), 20/8/2022 (FN & AN), 22/8/2022 (FN), 1/09/2022 (FN), 3/09/2022 (FN), 9/09/2022 (FN & AN), 20/09/2022 (FN & AN), 22/09/2022 (FN & AN)	10 Days (14 Sessions - 42 Hours)
AI & DS	III / V	Fundamentals of Programming Languages	39		
CSE	IV / VII	Basics of Programming Languages & Test Case Implementation	23	27/10/2022 (FN), 11/10/2022 (AN), 12/10/2022 (AN), 13/10/2022 (AN)	4 Days (4 Sessions – 12 Hours)

VALUE ADDED COURSE
Foundations of Programming and Problem Solving

S.No	Topics	Duration	Date/Day
(III Year AD)			
1	Introduction - Company Types, Goal, Choosing a Company, Choosing a Programming Language, Compiler vs Interpreter, Types of Programming Languages, What is a Program?, etc.	3	Aug 10, Wed (FN)
2	Data Types: Types, Primitive vs Complex, Value vs Reference, Garbage Collection Primitives, Basic Data Types: int, float, char, bool, string with use cases, Git and GitHub Fundamentals – Git Hands on training	3	Aug 16, Tue (FN)
3	Conversion: Casting, Conversion, Formatting, Parsing, Basic Programming: IDE, Input, Output and Basic Operations, Set 1 5 questions hands on	3	Aug 17, Wed (FN)
4	Set 1 Discussion, Scope: Visibility and Lifetime, Stack Tracing, Debug using Break Points, Functions/Methods - Use Cases and Types, Functions Hands on	3	Aug 20, Sat (FN)
5	Functions Discussion, Conditionals: If Else and Boolean Operations, Conditions 5 questions hands on, Switch Case, Ternary Operator, Boolean Functions, Unit Testing, Test Driven Development	3	Aug 20, Sat (AN)
6	Conditionals Discussion, Loops: Unstructured, Structured, Parts, while, for, do while, multiple iterators, break and continue, Loops 5 questions hands on, Contest I/O Discussion, Practice Contest 1 - Intro Hands On	3	Aug 22, Mon (FN)
7	Loops Set 1 Discussion, Set 2 IO Explanation, Simple Patterns Explanation, Set 2 - 5 questions Hands on, Practice Contest 2 and Discussion	3	Sep 01, Thu (FN)
8	Loops Set 2 Discussion, Factors, Primes and Number Problems, Set 3 IO Explanation, Practice Contest 3 and Discussion	3	Sep 3, Sat (FN)
9	Arrays - 1D, 2D and Jagged Arrays with Use Cases and Demo, Arrays Set 1 - 5 questions Hands on Practice Contest 4 – Hands on and Discussion	3	Sep 9, Fri (FN)
10	Array Set 1 Discussion, Linear Search, Binary Search, Array Set 2 IO, Array Set 2 Hands On 5 Questions. Practice Contest 5 – Hands On and Discussion	3	Sep 9, Fri (AN)
11	Array Set 2 Discussion, Rotation and Reverse in place, Array Set 3 IO, Collection Classes: List, Sorted List, Stack, Queue, Dictionary, Set Use Cases with Demo. Practice Contest 6 – Hands On and Discussion	3	Sep 20, Thu (FN)
12	Array Set 3 Discussion, Collection Set 1 IO, Files and Directories - File I/O, Game Development - Board Games, Practice Contest 7 Hands on and discussion.	3	Sep 20, Thu (AN)
13	Collection Classes Set 1 Discussion, Strings and Character Arrays. Strings IO. Board Game Project Review and Improvements, Practice Contest 8 Hands on and Discussion.	3	Sep 22, Sat (FN)
14	Strings Set Discussion. Two Pointer Technique. Board Game Project Review and Suggestions. Full Contest 1 and Discussion.	3	Sep 22, Sat (AN)



CARE

COLLEGE OF ENGINEERING


Department of Artificial Intelligence and Data Science
Value Added Course on Foundations of Programming and Problem Solving

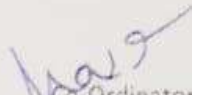
Year / Sem : III / V

Accademic Year : 2022-23 / ODD

Sno	Reg. No	Name	Date												
			10/8	16/8	17/8	20/8	22/8	24/8	24/8	28/8	28/8	1-8	1-8		
1	810720243001	Abiraman S	a	a	a	a	a	a	a	a	a	a	a	a	a
2	810720243002	Abishek Raimand J	a	a	a	a	a	a	a	a	a	a	a	a	a
3	810720243003	Antany Belgis S	a	a	a	a	a	a	a	a	a	a	a	a	a
4	810720243004	Apoorva P S	a	a	a	a	a	a	a	a	a	a	a	a	a
5	810720243005	Ashok R	a	a	a	a	a	a	a	a	a	a	a	a	a
6	810720243006	Astalakshmi S	a	a	a	a	a	a	a	a	a	a	a	a	a
7	810720243007	Balaji M	a	a	a	a	a	a	a	a	a	a	a	a	a
8	810720243008	Dinesh H K	a	a	a	a	a	a	a	a	a	a	a	a	a
9	810720243009	Jayalakshmi S	a	a	a	a	a	a	a	a	a	a	a	a	a
10	810720243010	Josephine J	a	a	a	a	a	a	a	a	a	a	a	a	a
11	810720243012	Kaviyarasi R	a	a	a	a	a	a	a	a	a	a	a	a	a
12	810720243014	Leander Vikram Kumar S	a	a	a	a	a	a	a	a	a	a	a	a	a
13	810720243015	Leela Abirami K	a	a	a	a	a	a	a	a	a	a	a	a	a
14	810720243016	Madhushri R	a	a	a	a	a	a	a	a	a	a	a	a	a
15	810720243017	Mahendra S	a	a	a	a	a	a	a	a	a	a	a	a	a
16	810720243018	Meenatchi K	a	a	a	a	a	a	a	a	a	a	a	a	a
17	810720243019	Moshika M	a	a	a	a	a	a	a	a	a	a	a	a	a
18	810720243020	Mukilan P	a	a	a	a	a	a	a	a	a	a	a	a	a
19	810720243021	Muruganandham S	a	a	a	a	a	a	a	a	a	a	a	a	a
20	810720243022	Nandha Kumar S	a	a	a	a	a	a	a	a	a	a	a	a	a
21	810720243023	Navin Kumar M	a	a	a	a	a	a	a	a	a	a	a	a	a
22	810720243024	Nivedhapriyan V	a	a	a	a	a	a	a	a	a	a	a	a	a
23	810720243025	Pasupuleti Vamsi Krishna	a	a	a	a	a	a	a	a	a	a	a	a	a
24	810720243026	Ragunath R	a	a	a	a	a	a	a	a	a	a	a	a	a
25	810720243027	Rhaxma S	a	a	a	a	a	a	a	a	a	a	a	a	a
26	810720243028	Saravana Prabu C	a	a	a	a	a	a	a	a	a	a	a	a	a
27	810720243029	Shelly Niraujan S	a	a	a	a	a	a	a	a	a	a	a	a	a

		Date	10/8	16/8	17/8	24/8	22/8	1/9	3/9	9/9	24/9	22/9
28	810720243030	Sowmiya S	a	a	a	a	a	a	a	a	a	a
29	810720243031	Sriram G	G	G	G	G	a	G	G	G	a	G
30	810720243032	Suriya R	S	S	S	S	a	S	S	S	S	S
31	810720243033	Vignesh M	a	a	a	a	a	a	a	a	a	a
32	810720243034	Vikram K	v	v	v	v	a	v	v	v	v	v
33	810720243301	Akila Rukmani M	M	M	M	M	M	a	a	M	M	M
34	810720243302	Maheshwaran T	a	a	a	a	a	a	a	a	a	a
35	810720243303	Mohamed Farook S	S	S	S	S	S	S	S	S	S	S
36	810720243304	Mohan S	S	S	S	S	a	S	S	a	S	S
37	810720243305	Pradeep A	a	a	a	a	a	a	a	a	a	a
38	810720243306	Rajavel M	a	a	a	a	a	a	a	a	a	a
39	810720243307	Tamilvanan C	a	a	a	a	a	a	a	a	a	a
		Total Present	23	38	36	28	28	27	34	35	35	37
		Total Absent	16	01	03	11	11	12	05	04	04	02
		Faculty Sign	PKG	PKG	PKG	PKG	PKG	PKG	PKG	PKG	PKG	PKG


HoD


Co-Ordinator

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
2, Thayanur, Trichy - 620009

FEEDBACK ON TRAINING

Name of the Participant : Rhaxma . S Department : B.Tech AI &
 Title of the Event : VAC on Foundations of Programming and Problem Solving
 Event Sponsored By : CARE COLLEGE OF ENGINEERING, Trichy
 Total Duration : 10 Days
 Program Date : 10/8/2022, 16/8/2022, 17/8/2022, 20/8/2022, 22/8/2022,
1/9/2022, 3/9/2022, 9/9/2022, 20/9/2022, 22/9/2022
 Timings : 9.00 AM - 12.30 PM
 Resource Person : Dr. P. Anand Kumar, Director, Root IT Learning Centre, Trichy

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)		Guest 1			
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill		✓		
3.	Ability to Draw Participation	✓			
4.	Interest in the Event	✓			
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material		✓		
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)	✓			
5.	Other Arrangements	✓			

OVERALL ASSESSMENT

1. Things Most Appreciated :	<u>Sir has great knowledge of domain ; teaching skill</u>
2. Things Least Appreciated :	<u>Nil</u>
3. Suggestions for Improvements :	<u>Yes, still need few more classes without any gap.</u>
4. Any Other Remarks :	<u>Nil</u>

Signature

Rhaxma . S

CARE

COLLEGE OF ENGINEERING

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2, Thayanur, Trichy - 620009

FEEDBACK ON TRAINING

Name of the Participant : Apoorva P.S. Department : AIRDS
 Title of the Event : VAC on Foundations of Programming and Problem Solving
 Event Sponsored By : CARE COLLEGE OF ENGINEERING, Trichy
 Total Duration : 10 Days
 Program Date : 10/8/2022, 16/8/2022, 17/8/2022, 20/8/2022, 22/8/2022, 1/9/2022, 3/9/2022, 9/9/2022, 20/9/2022, 22/9/2022
 Timings : 9.00 AM - 12.30 PM
 Resource Person : Dr. P. Anand Kumar, Director, Root IT Learning Centre, Trichy

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)		Guest 1			
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill	✓			
3.	Ability to Draw Participation	✓			
4.	Interest in the Event	✓			
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material	✓			
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)	✓			
5.	Other Arrangements	✓			

OVERALL ASSESSMENT

1. Things Most Appreciated :	<i>Comfort with Sir</i>
2. Things Least Appreciated :	<i>Nothing</i>
3. Suggestions for Improvements :	<i>Nil</i>
4. Any Other Remarks :	<i>Program Days are ^{not} enough.</i>

Signature *Apoorva P.S.*



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27, Thayanur, Trichy – 620009

VALUE ADDED COURSE
ACADEMIC YEAR(2022-2023)EVEN


Department of
Artificial Intelligence & Data Science
Organizing
Value Added Training
On


**ADVANCED
PROBLEM SOLVING
IN PYTHON**

CARE COLLEGE OF ENGINEERING
Approved by AICTE | Affiliated to Anna University, Chennai

**Feb 8th - Feb 14th
2023**

09:30 Am – 5.00 Pm
Venue : Computer Lab 2


Mr. Ramanamurthy Saripalli
Senior Vice President
CodeTantra Tech Solutions, Hyderabad


Mr. Rajha
Technical Trainer
CodeTantra Tech Solutions, Hyderabad

CODETANTRA

#27, Thayanur, Dindigul NH, Trichy - 09

care.ac.in

SCHEDULE

Competitive Coding

1. Day 1

- a. Introduction – Intro, Problem Solving Process, BUD Optimization
- b. Basic Algorithms – Sum of natural numbers, sum of even / odd numbers, AP, GP, HP, sets, functions, logarithms, factorial, Fibonacci numbers etc.
- c. Big O notation

2. Day 2

- a. Functions – Theory, Functions in Python
- b. Comprehensions

3. Day 3

- a. OOPs – Classes and Objects, Inheritance, Polymorphism
- b. Exceptions

4. Day 4

a. Sorting – Theory, Sorting Algorithms:

- Selection Sort
- Bubble Sort
- Insertion Sort
- Merge Sort
- Quick Sort
- Heap Sort
- Counting Sort

b. Search

- Linear search
- Binary search
- Interpolation search

5. Day 5

- a. Exercise Problems & Solutions

6. Day 6

- a. Exercise Problems & Solutions

Every day – Homework of 5 problems (1 to 2 hours)

On the final day a hackathon can be conducted in the evening

REPORT:



(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy - 620009

Department Of Artificial Intelligence and Data Science

Six Days Value Added Courses
on
Advanced Problem Solving in Python
(08-Feb 2023 to 14-Feb 2023)

REPORT

Respected Sir,

We the department of AD has successfully conducted 6 day training program on "Advanced Problem Solving using Python Programming", for II year students. The program was from 8/2/2023 to 14/2/2023. The resource persons were Mr.Ramanamurthy Sarapalli, and Mr.Rajhan from Code Tantra, Tech Solutions, Pvt. Ltd,. Before the training program, the codetantra created the credential details for each student to use their platform .

For the first two days the forenoon session included the discussion about basic concepts in python and for those days, the afternoon session included the its (FN session)coding part of the concepts discussed. Next four days in the FN session, OOP's concept was handled. For the same four days, the AN session included the python coding using OOP's. For all the 6 days students did there coding part for 3hrs in the afternoon, the assignment/test was also given to the students for another 3hrs in the evening. Totally the students were engaged in coding using python for 6hours per day. Using the platform the students have been monitored about their coding completion status and their assessment.

The summary sheet generated using the platform was discussed among students and time was given to complete all the test . Once the all test were completed, codetantra will issue the course certificate to the students. The deadline line to complete the course test is within 4th March 2023. In the last day AN session, live hackathon was conducted for 3hrs and the session went with full excitement about who will be in the first position. Mr.Arvindsamay and his team have won the first prize with 71 marks, Ms.Sumitra and her team won the second prize with 53 marks. Each student gave the feedback using Google form, the feedback was excellent. The platform can be utilized by the students for 6 months and using the same platform the faculty can also conduct coding test/competitions.

On behalf of our department I thank the students for their utmost cooperation for the training program. The outcome of the program has been visualized by themselves with their assessment marks and through live hackathon.

We are thankful to the CEO ,the Principal, and to the Dean for initiating and supporting us to carry out the training program successfully. The training program follow uwill be done by Mrs.S.Nageswari , to make the students fully benefited by the course using the platform. We hope such programs will be done in future also.

Co-ordinator

A handwritten signature in blue ink, appearing to be "S. S.", written over a faint purple stamp.

HoD-AD

A handwritten signature in blue ink, appearing to be "R. Shantha", written over a purple stamp that says "HEAD".

Dept. of AI & DS
CARE College of Engineering
Trichy - 620 009.

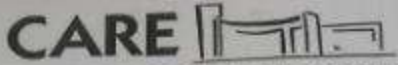
HoD-CSE

A handwritten signature in blue ink, appearing to be "J. Suresh", written over a purple stamp that says "HEAD".

Department of Computer
Science and Engineering
CARE College of Engineering
Trichy - 620 009.

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620

STUDENT FEEDBACK



CARE
COLLEGE OF ENGINEERING
(Approved by AICTE) and Affiliated to Anna University, Chennai)
2, Thayalur, Trichy - 620009

FEEDBACK ON TRAINING

Name of the Participants : Dayanitha Thiruvananthapuram M Department : A1203
 Title of the Event : Advanced Problem Solving in Python
 Event Sponsored By : CARE College of Engineering
 Total Duration : 6 Days From Date : 8.2.2013 To Date : 14.2.2013
 Timings : 9 AM - 5 PM Guest/s : 1. Mr. Damodar Marthiy
 2. Mr. Rajha

LEGEND : K = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)		Guest 1				Guest 2			
Sl. No.	ATTRIBUTE	E	G	A	P	E	G	A	P
GUEST PERFORMANCE									
1.	Domain Knowledge	✓				✓			
2.	Presentation / Communication Skill	✓				✓			
3.	Ability to Draw Participation	✓				✓			
4.	Interest in the Event	✓				✓			
5.	Response to Queries	✓				✓			
OTHER PARAMETERS									
1.	Overall Usefulness	✓				✓			
2.	Course Material	✓				✓			
3.	Seating Arrangements		✓				✓		
4.	Quality of Audio Visual (if any)								
5.	Other Arrangements		✓				✓		

OVERALL ASSESSMENT


1. Things Most Appreciated : Able to understand the speech very well.

2. Things Least Appreciated : -

3. Suggestions for Improvements : Need to implement in detail

4. Any Other Remarks :

RESOURCE PERSON FEEDBACK

CARE 
COLLEGE OF ENGINEERING
(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayasa, Trichy - 620009

GUEST LECTURE FEEDBACK

Department: AI&DS Date: 11/2/23 Time: 3:45pm
Event Name: Python Programming
Topic: _____

Name of the Guest: Mr. Ramaramurthy Sasipalli
Designation of the Guest: Senior Vice President, Code Tanta Solutions, Hyderabad
Name of the Organization/Institution: _____

Beneficiary: _____ Branch: AI&DS Year: II

Areas discussed in the Lecture


1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Comments

- 1. Informative & ambience excellent
- 2. Hospitality Excellent
- 3. Students interested, hardworking - but needs constant pushing
- 4. Its curriculum may need some adjustment.

Highlights of the Lecture

Effectiveness


Signature of the Coordinator / HOD

TRAINING FEEDBACK

	A	B	C	D	E	F	G	H
1	Timestamp	Name	How helpful w	What is one thing you found MOST helpful?	How could this training be improved for the future?	What is one thing you wish you'd learned about?	Any other comments or suggestions? Please share them below.	
32	2/16/2023 15:00:27	Chandana Shree	5	We gained more knowledge regard	By practicing more codings	Learned many new things	Need more training section like this	
33	2/16/2023 15:00:46	SUMITHRA A	5	We gained more knowledge regard	By practicing more on data s	Learned many new coding	Need more training session like this	
34	2/16/2023 15:01:34	NIHISH S	5	knowledge sharing	To Gain some Knowledge	DATA SCIENCE	NO COMMENTS	
35	2/16/2023 15:02:07	SARAVANAN V	4	AFTERNOON SESSION	it improved my coding skills	nil	NIL	
36	2/16/2023 15:02:18	ABINAYA.S	5	after this training session i learned	i gave a good an idea to succ	after this i improved my co	There have many network issues while running the program.	
37	2/16/2023 15:02:37	BALAJI C	5	gain some knowledge about pytho	extend the training periods	creating a program using fu	no comments	
38	2/16/2023 15:03:15	M.jayashree	5	Learning coding	Can have more training sect	To learn more coding in pyt...		
39	2/16/2023 15:03:19	AZARUDEEN B	5	Gain some knowledge about pytho	extend the training period	Creatin a program using Fu	NO COMMENTS	
40	2/16/2023 15:03:24	ARUL PALANIAPPA S	5	Afternoon session	Its improves my coding skills	Nothing	-nil-	
41	2/16/2023 15:03:52	JOEWIN BRIGHT J	2	Knowledge sharing	Its improve my coding skill	Nothing	No comments	
42	2/16/2023 15:04:24	SHAAFIA PARVEEN .	5	Their deep explanation even for the	The time period of the trainin	More deeper topics in OOP	Need more Training Session like this.	
43	2/16/2023 15:05:57	Dharshini.K	5	It was most helpful for me in gettin	It was an motivation and ther	I wished to cover all the con	None	
44	2/17/2023 10:28:35	Good	4	Training	More interactive	Technical skills	No	
45	2/17/2023 10:45:41	Jemimah vg	3	Basics of python	Need more days for training	Python deeply	Need more days of training , more than a week to understand clearly	
46	2/17/2023 10:47:22	Swethika kowsalya. I	3	Coding	Need more days	Deep learning	Null	
47	2/17/2023 10:48:49	Quiny Christabel R	5	Got to know the very basics of codi	More of 1hr session and ther	I wish these courses could	None	
48	2/17/2023 10:49:43	D. Tamil Raj	5	Best Motivation	Duration can be increased	Data structure	Duration can be increased	
49	2/17/2023 10:50:02	NATHAN ADAIKALAR	5	HELPFUL TO LEARN CONCEPTS	LEARNED BASICS OF PYTH	USEFULNESS TO GET THI	BETTER TO GET THIS OPPORTUNITY TO LEARN	
50	2/17/2023 10:59:59	Jayashree.m	5	Got a clear clarification about oops	The section were good exce	Got a better idea in program	
51	2/17/2023 11:00:11	SHREENITHE R	4	Got the idea about the Oops conce	The sessions were good bu	Some different concepts in ..		
52	2/17/2023 11:00:18	Shinora Thomas T	4	Got clear clarification about oops c	The section might have cond	Might get some better idea	

PHOTOS





GPS Map Camera



Thayanur, Tamil Nadu, India
QJ97+WGW, Thayanur, Tamil Nadu 620102, India
Lat 10.769309°
Long 78.613766°
13/02/23 04:32 PM GMT +05:30

ATTENDANCE

ATTENDANCE SHEET VAC → Ramana

CARE
COLLEGE OF ENGINEERING

DEPARTMENT OF A&DS

S.No	Reg.No	Name	8/2/2023		9/2/2023		10/2/2023		11/2/2023		13/2/2023		14/2/2023	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	81072124302	JARINAYA S												
2	81072124303	ADISHUK C												
3	81072124304	ABINISH KUMAR S												
4	81072124305	ADIB M												
5	81072124306	AKSHAYA R												
6	81072124307	ARAVIND SAMY C												
7	81072124308	AREJHN K H												
8	81072124309	ARUL PALANIAPPA S												
9	81072124310	ARUNNATH R												
10	81072124311	AZARUDEEN B												
11	81072124312	BALAJI C												
12	81072124313	BGSCHI ROACH P J												
13	81072124314	CHANDANA SHREE S												
14	81072124315	CHANDRU S												
15	81072124316	DHARANA SHRI K												
16	81072124317	DHARSHINI K												
17	81072124318	DINESH BABU J												
18	81072124319	HARISH S												
19	81072124320	HELAN SUJA R												
20	81072124321	JAYANTH												
21	81072124322	THIRAVIAM M												
22	81072124323	JAYASHREE M												
23	81072124324	JEEVARAJ K												
24	81072124325	JEMIMAH V G												
25	81072124326	JOEWIN BRIGHT J												
26	81072124327	JOSHUA VINITH G												
27	81072124328	KARTHICK R												
28	81072124329	MANI DEEPA M												
29	81072124330	MONICA PUSHPA X												
30	81072124331	NATHAN												
31	81072124332	DAIKALARAJ X												

CodeTantra Tech Solutions Pvt. Ltd.		
Office: 12-6-2/273/2 Opp. BJP Office, Kukatpally Hyderabad - 500072 Tel: +91 9849600002		
INVOICE		
To: CARE Group of Institutions Approved by AICTE Affiliated to Anna University # 27, Thayanoor, Trichy - 620 009.		Contact Person Dr. Amutha
		Date: 09/02/2023
		INVOICE No: 13337
#	Description	Amount (Rs.)
1.	Python Training Program - 6 days Training CodeTantra platform to practice Python Assessments: 10 No of Students: 52 Price Per Student: Rs.1500	78,000
	Add: IGST @18%	14,040
	Total Amount (Invoice Value in words) Ninety two thousand Forty rupees only	92,040
PAYMENT DETAILS		
PAN: AAFCC6187L		
GSTIN: 36AAFCC6187L1Z5		
TAN No: HYDC06662F		
Wire Transfer Details:		
Yes Bank - Secunderabad Branch		
Current Account Number: 009787300001144		
IFSC No: YESB0000097		
* This is a computer-generated invoice and does not need signature. *		

CODETANTRA

Learn, Practice and Build



Certificate of Completion

This is to certify that Mr/Ms ABINAYA S (810721243002)
has successfully completed Workshop on *Problem solving using python* With grade of “ B “
which was conducted at **CARE COLLEGE OF ENGINEERING** in association with
CodeTantra Tech Solutions Pvt. Ltd, Hyderabad. Dates From : 08-02-2023 to 15-02-2023

Handwritten signature of Mrs. Nikhitha Reddy.

Mrs. Nikhitha Reddy
Technical Trainer

Handwritten signature of Mr. D. Chandra Sekhar.

Mr. D. Chandra Sekhar
Head of Programming Courses

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
ACADEMIC YEAR(2022-2023)EVEN SEMESTER
VALUE ADDED COURSE

CARE 
COLLEGE OF ENGINEERING
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' Grade
#27, Thayanur, Tiruchirappalli - 620009

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VALUE ADDED COURSE

" Augmented Reality and Virtual Reality "



Dr. B.Ezhilavan,
Founder & CEO,
VEITECHNOLOGIES PVT. LTD,
Chennai

Date:
10/05/2023 - 11/05/2023

Time:
9:00 AM to 5:00 PM

For 3rd year Students of
CSE and AI&DS

SYLLABUS

Augmented and Virtual Reality

L T P C
1 0 2 2

Pre-requisite:

Basic programming skills, Knowledge of Geometry, 3D spaces and Linear algebra.

Course Objectives

- CO1: Introducing importance and applications of Augmented and Virtual Reality Systems
- CO2: Explaining working principle of Head Up and Head Mounted Display Systems
- CO3: Using Computer Vision to develop AR system.
- CO4: Developing VR models in Unity
- CO5: Integrating different sensors with AR/VR systems

UNIT I: Introduction

(3 + 6)

Introduction to Virtual Reality – Fundamental concepts and components – Displays and tracking technologies, Primary Features and Present Development on Virtual Reality, Computer graphics, Real time computer graphics, Flight Simulation, Virtual environment requirement, benefits of virtual reality, Historical development of VR.

VR Project – Development of a programming project using a game engine and Google VR software for real time applications.

UNIT II: Augmented Reality

(3 + 6)

Introduction- Basic concepts and components - technology and features of augmented reality, difference between AR and VR, Challenges with AR, AR systems and functionality, augmented reality methods, visualization techniques for augmented reality.

AR Project - wireless displays in real time augmented reality applications

UNIT III : 3D USER INTERFACE INPUT HARDWARE:

(3 + 6)

Input device characteristics, Desktop input devices, Tracking Devices, 3D Mice, Special Purpose Input Devices, Direct Human Input, Home-Brewed Input Devices, and Choosing Input Devices for 3D Interfaces -Development of a project with stereoscopy

Unit IV: SOFTWARE TECHNOLOGIES:

(3 + 6)

Database-World Space, World Coordinate, World Environment, Objects-Geometry, Position / Orientation, Hierarchy, Bounding Volume, Scripts and other attributes, VR Environment-VR Database, Tessellated Data, LODs, Cullers and Occluders, Lights and Cameras, Scripts, Interaction-Simple, Feedback, Graphical User Interface, Control Panel, 2D Controls, Hardware Controls, Room / Stage / Area Descriptions, World Authoring and Playback, VR toolkits, Available software in the market

Unit V: MODELLING THE PHYSICAL WORLD

(3 + 6)

Geometric Modelling – Kinematics Modelling –Physical Modelling –Behaviour Modelling – Model Management
Project -Developing concept of real application with objects that have behaviour or transformative properties.

Total hours :15(T)+30(P) =45 Hours

Reference Books:

1. Alan B Craig, William R Sherman and Jeffrey D Will, Developing Virtual Reality Applications: Foundations of Effective Design, Morgan Kaufmann, 2009.
2. Gerard Jeonghyun Kim, Designing Virtual Systems: The Structured Approach, 2005.
3. Doug A Bowman, Ernest Kaiji, Joseph J LaViola, Jr and Ivan Poupyrev, 3D User Interfaces, Theory and Practice, Addison Wesley, USA, 2005.
4. Oliver Bimber and Ramesh Raskar, Spatial Augmented Reality: Merging Real and Virtual Worlds, 2005.
5. Burdea, Grigore C and Philippe Coiffet, Virtual Reality Technology, Wiley Interscience, India, 2003.
6. John Vince, Virtual Reality Systems, Addison Wesley, 1995.

Web resources

1. www.vresources.org
2. www.vrac.iastate.edu
3. www.w3.org/MarkUp/VRM

Hardware Requirement:	Application Development Lab
PC with Windows /Linux OS	
inputs/outputs (button, eye tracking, accelerometer)	
Microphone	
Sound capacity	
Display capacity	
Visual tracking	
Software Requirement	
OpenSpace3D / Google's ARCore	
ARToolKit -- Open source	

SCHEDULE

CARE COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VALUE ADDED COURSE - 2022-2023(Even)
IVA072- Augmented and Virtual Reality

Course Title : IVA072- Augmented and Virtual Reality
 Resource Person : Internal & External
 Target Audience : III Year CSE & III Year AI & DS

Number of Days : 6 Days
 Academic Year: 2022 – 23(Even)
 Total Sessions : 11 Sessions
 Total Hours :45 Hours

S.No	Date	Session	Topic	Resource Person	Duration in Hrs.
1	10.03.2023	FN	Introduction to Virtual Reality – Fundamental concepts and components – Displays and tracking technologies. Primary Features and Present Development on Virtual Reality.	Dr.J.Suresh	4
2		AN	Computer graphics, Real time computer graphics, Flight Simulation, Virtual environment requirement, benefits of virtual reality, Historical development of VR. VR Project	Mrs.V.Gomathi	4
3	25.03.2023	FN	Basic concepts and components - technology and features of augmented reality, difference between AR and VR, Challenges with AR	Mrs. R.Sasikala	4
4		AN	AR systems and functionality, augmented reality methods, visualization techniques for augmented reality. AR Project	Mr.K.Mahadevan	4
5	01.04.2023	FN	Input device characteristics, Desktop input devices, Tracking Devices, 3D Mice, Special Purpose Input Devices, Direct Human Input	Mr.M.Mohamed Nizarudeen	4

6	24.04.2023	FN	Development of a project with stereoscopy, Database- World Space, World Coordinate, World Environment, Objects- Geometry,	Ms. N.Parveen Banu	4
7		AN	Home-Brewed Input Devices, and Choosing Input Devices for 3D Interfaces	Ms. N.Parveen Banu	4
8	02.05.2023	FN	Position / Orientation, Hierarchy, Bounding Volume, Scripts and other attributes	(External)	4
9		AN	VR Environment-VR Database, Tessellated Data, LODs, Cullers and Occluders, Lights and Cameras, Scripts, Interaction-Simple, Feedback, Graphical User Interface	(External)	4
10	03.05.2023	FN	Control Panel, 2D Controls, Hardware Controls, Room / Stage / Area Descriptions, World Authoring and Playback, VR toolkits, Available software in the market	(External)	4
11		AN	Geometric Modelling – Kinematics Modelling – Physical Modelling – Behaviour Modelling – Model Management Project	(External)	5
Total Duration					45

N. Parveen
HoD /CSE

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

VALUE ADDED TRAINING

[AGUMENTED REALITY –VIRTUAL REALITY](2022 – 2023 EVEN SEM)

REPORT

Department of AI&DS organized a Value Added Training on “**Agumented reality –virtual reality**” for our III year AI&DS students on 10.05.2023 and 11.05.2023.

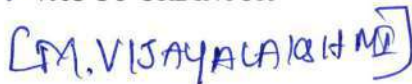
This program is aimed to create interest in Augmented reality and virtual reality and to improve the virtualization concepts and train the students to create interest in Artificial intelligence. Dr. B. Ezhilavan founder & CEO, VEI TECHNOLOGIES PVT.LTD, Chennai been identified as resource person for this value-added course.


Based on above requirements, Syllabus was framed and schedule was finalized with HoD, Dean and Principal. The course was conducted and completed along with Hands-on session as per plan in CSE LAB

1. Students were provided with different set of problems for each topic and they were made solved in Lab sessions.

At the end of course, feed-back was received from students. Students were assessed by online assessment test. Simple projects were identified and assigned to students. Those projects are under progress. All details regarding value added courses are attached.


VAC CO-ORDINATOR


M. VISAYALAKSHMI


HOD/AI&DS

HEAD
Dept. of AI & DS
CARE College of Engineering
Trichy - 620 009.

PHOTOS



CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms.
BALAJI M - III Year AIS DS
of CARE COLLEGE OF ENGINEERING has attended and completed the 45 hours of Value
Added Course on "AUGMENTED AND VIRTUAL REALITY " for the academic year
2022-2023. We appreciate his/her dedication for
completing all the tasks assigned during the period of the course.


Dr. B. EZHILAVAN,
VEI Technologies Pvt. Ltd.

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms.
DINESH HK - III Year AIS DS
of CARE COLLEGE OF ENGINEERING has attended and completed the 45 hours of Value
Added Course on "AUGMENTED AND VIRTUAL REALITY " for the academic year
2022-2023. We appreciate his/her dedication for
completing all the tasks assigned during the period of the course.


Dr. B. EZHILAVAN,
VEI Technologies Pvt. Ltd.

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy - 620009

FEEDBACK ON VALUE ADDED COURSE

Name of the Participant: Ragunath R Department /Year: AVDS / II

Title of the Event: AUGUMENTED AND VIRTUAL REALITY

Total Duration: 45 periods

Date: 10.05.2023 to 11.05.2023

Timings: 9.00am to 5.00pm

Guest/s: Dr.B.Ezhilavan. Founder & CEO, VEI Technologies PVT LTD, Chennai

LEGEND: E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill		✓		
3.	Ability to Draw Participation	✓			
4.	Interest in the Event		✓		
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material		✓		
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)	✓			
5.	Other Arrangements			✓	

OVERALL ASSESSMENT

1. Things Most Appreciated :

It is very usefull

2. Things Least Appreciated :

-

3. Suggestions for Improvements :

improved system Arrangement

4. Any Other Remarks :

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy - 620009

FEEDBACK ON VALUE ADDED COURSE

Name of the Participant: Leela Abirami . K Department /Year: AI & DS & IIIrd yr

Title of the Event: AUGUMENTED AND VIRTUAL REALITY

Total Duration: 45 periods

Date: 10.05.2023 to 11.05.2023

Timings: 9.00am to 5.00pm

Guest/s: Dr.B.Ezhilavan. Founder & CEO, VEI Technologies PVT LTD, Chennai

LEGEND: E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill	✓			
3.	Ability to Draw Participation		✓		
4.	Interest in the Event	✓			
5.	Response to Queries		✓		
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material		✓		
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements	✓			

OVERALL ASSESSMENT

1. Things Most Appreciated :	<i>very useful</i>
2. Things Least Appreciated :	-
3. Suggestions for Improvements :	<i>Nothing</i>
4. Any Other Remarks :	-

ATTENDANCE SHEET

S.NO	REG NO	NAME	10/5	11/5			
1	810720243001	ABIRAMAN S	Abir	Abir	Abir	Abir	Abir
2	810720243002	ABISHEK RAIMAND J	Abishek	Abishek	Abishek	Abishek	Abishek
3	810720243003	ANTANY BELGIS S	Antany	Antany	Antany	Antany	ABSENT
4	810720243004	APOORVA P S	Apoorva	Apoorva	Apoorva	Apoorva	Apoorva
5	810720243005	ASHOK R	Ashok	Ashok	Ashok	Ashok	Ashok
6	810720243006	ASTALAKSHMI S	Astala	Astala	Astala	Astala	Astala
7	810720243007	BALAJI M	M.Bala	M.Bala	M.Bala	M.Bala	M.Bala
8	810720243008	DINESH H K	Dinesh	Dinesh	Dinesh	AB	Dinesh
9	810720243009	JAYALAKSHMI	Jayal	Jayal	Jayal	Jayal	Jayal
10	810720243010	JOSEPHINE J	Joseph	Joseph	Joseph	Joseph	Joseph
11	810720243012	KAVIYARASI R	Kavya	Kavya	Kavya	Kavya	AB
12	810720243014	LEANDER VIKRAM KUMAR S	Leander	Leander	Leander	Leander	Leander
13	810720243015	LEELA ABIRAMI K	K.Abi	K.Abi	K.Abi	K.Abi	K.Abi
14	810720243016	MADHUSHRI R	R.Madh	R.Madh	AB	R.Madh	R.Madh
15	810720243017	MAHENDRA S	Maha	Maha	Maha	Maha	Maha
16	810720243018	MEENATCHI K	Meen	Meen	Meen	Meen	Meen
17	810720243019	MOSHIKA M	Moshi	Moshi	Moshi	Moshi	Moshi
18	810720243020	MUKILAN P	P.Mu	P.Mu	AB	P.Mu	P.Mu
19	810720243021	MURUGANANDHAM S	Mung	Mung	Mung	Mung	Mung
20	810720243022	NANDHA KUMAR S	Nan	Nan	Nan	Nan	Nan
21	810720243023	NAVIN KUMAR M	Navin	Navin	AB	Navin	Navin
22	810720243024	NIVEDHAPRIYAN V	Nive	Nive	AB	Nive	Nive
23	810720243025	PASUPULETI VAMSI KRISHNA	Pasup	Pasup	Pasup	Pasup	Pasup
24	810720243026	RAGUNATH R	R.Ragu	R.Ragu	R.Ragu	R.Ragu	R.Ragu
25	810720243027	RHAXMA S	Rst	Rst	Rst	Rst	Rst

26	810720243028	SARAVANA PRABU C	C. Sarav	C. Sarav	C. Sarav	C. Sarav	C. Sarav
27	810720243029	SHELLY NIRANJAN S	S. Shelly	S. Shelly	S. Shelly	S. Shelly	S. Shelly
28	810720243030	SOWMIYA S	S. Sowmiya	S. Sowmiya	S. Sowmiya	S. Sowmiya	S. Sowmiya
29	810720243031	SRIRAM G	G. Sriram	G. Sriram	G. Sriram	G. Sriram	G. Sriram
30	810720243032	SURIYA R	R. Suriya	R. Suriya	R. Suriya	R. Suriya	R. Suriya
31	810720243033	VIGNESH M	M. Vignesh	M. Vignesh	M. Vignesh	M. Vignesh	M. Vignesh
32	810720243034	VIKRAM K	K. Vikram	K. Vikram	K. Vikram	K. Vikram	K. Vikram
33	810720234301	AKILA RUKMANI M	M. Akila	M. Akila	M. Akila	M. Akila	M. Akila
34	810720234302	MAHESHWARAN T	T. Mahesh	T. Mahesh	T. Mahesh	T. Mahesh	T. Mahesh
35	810720234303	MOHAMED FAROOK S	S. Farook	S. Farook	S. Farook	S. Farook	S. Farook
36	810720234304	MOHAN S	S. Mohan	S. Mohan	S. Mohan	S. Mohan	S. Mohan
37	810720234305	PRADEEP A	A. Pradeep	A. Pradeep	A. Pradeep	A. Pradeep	A. Pradeep
38	810720234306	RAJAVEL M	M. Rajavel	M. Rajavel	M. Rajavel	M. Rajavel	M. Rajavel
39	810720234307	TAMILVANAN C	C. Tamilvanan	C. Tamilvanan	C. Tamilvanan	C. Tamilvanan	C. Tamilvanan

HOD / AP & DS

CARE COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VALUE ADDED COURSE - 2022-2023(Even)
IVA072- Augmented and Virtual Reality

Resource Person : Internal & External

Academic Year: 2022 - 23(Even)

Target Audience : III Year CSE & III Year AI & DS

Budget

S.No	Resource Person	Internal/External	No. of days	No. of Session	Remuneration per session	Amount in Rs /-
1.	Ms.N.Parveen Banu, AP/AI&DS	Internal	24.4.2023 (1 Day)	4	Rs 750 /-	3,000/-
2.	Dr.B.Ezhilavan , Founder & CEO VEI Technologies, Chennai	External	02.05.2023 & 03.05.2023 (2 Days)	8	Rs 1250/-	10,000/-
Total						13,000/-

Rs 10,000/- To:

Name: VEI Technologies Pvt. Ltd.

A/c No: 29040200010966

Bank: Bank of Baroda,

Tindivanam Branch.

IFSC code: BARBOVJTIND

+
zero


HoD/CSE


24.4.23

CARE COLLEGE OF ENGINEERING
TRICHY

PAYMENT ADVICE

To
Vei Technologies Pvt Ltd

Dear Sir/Madam/Messers,

The following payment(s) have been initiated through SBI CMP, in favour of you:

UTR NO	AMOUNT(INR)	DATE	LINKAGE FIELD	E-CHEQUE NO.	CMP REFERENCE NO.
SBIN423136759480	10,000.00	16-05-2023		AOJ589052800001	CMP00000000654089985

Your Bank Account No: 29040200010966

Your Bank IFSC Code: BARB0VJTIND

You are requested to kindly check your Bank Account, as above and please acknowledge the receipt of the payment.

For CARE COLLEGE OF ENGINEERING

Authorised Signatory

This is Computer generated advice and does not require any Signature



CARE 
COLLEGE OF ENGINEERING

VALUE ADDED COURSE
ON
COMPUTER APPLICATION IN CIVIL ENGINEERING

01-02-2023 to 06-02-2023 

CAD/CAM LAB 

BATCH : 2022-2024 

COORDINATED BY
C.S MURALI A/P CIVIL

SYLLABUS

CVA017 / Computer applications in civil engineering

L	T	P	C
2	0	0	2

Preamble:

To make the students to design various concepts of reinforced concrete structure using STAAD pro

Pre-requisites:

Design of RC Structure

Course Outcomes:

At the end of the Course, the Student will be able to:

CO 1 Understand the structural geometry and coordinate system.

CO 2 To learn how to model a structure.

CO 3 To learn how to model a structure through advance command.

CO 4 To learn how to check, analysis and design a structure.

CO 5 To develop a design report of a structure.

UNIT 1: INTRODUCTION TO STAAD PRO: (6)

General Types of Structure Unit System - Structure Geometry and Coordinate systems
Relationship between Global & Local Coordinates.

UNIT 2: MODELLING OF STRUCTURE: (6)

Geometry Construction: Assigning various properties, constants- Loadings- Grouping.

UNIT 3: MODELLING OF STRUCTURE (6)

Supports, Inserting Node. Translation Repeat and Circular Repeat Mirror, Rotate and Move-
Adding Beams-Cut Section- Intersect Selected Members- Renumber- Render View-
Connecting Nodes Creating Intersections

UNIT 4: MODEL CHECKING, ANALYSIS AND DESIGN (6)

Check Multiple Structures. Check Duplicate Nodes/Members- Check Orphan Nodes- Check
for warped plates. Check improperly connected plates - Check beam plate connectivity- Check
for the Loads- Analysing the model- Concrete Design.

UNIT 5: POST PROCESSING : (6)

Checking Results- Report Generation Printing Reports- methods to check Results- Shear Force
Bending Moment Check

Total hours = 30 hrs.

TEXT BOOK:

1. Staad Pro V8i for Beginners Paperback - August 22, 2014 by TS Sarma.
2. Structural Analysis and Design using STAAD.Pro V8i by Sivakumar Naganathan

REFERENCES:

STAAD.Pro V8i Manual - Dr.P.V.Premalatha

DEPARTMENT OF CIVIL ENGINEERING
VALUE ADDED COURSE ON COMPUTER APPLICATIONS IN CIVIL ENGINEERING

SCHEDULE
(01.2.2023 - 06.2.2023)

DAYS	SESSION 1	SESSION 2	SESSION 3	SESSION 4
WED to MON	9am to 10.30am	10.45am to 12.15pm	1.15pm to 2.45pm	3.00pm to 4.30pm

DAY - 1 STAAD PRO INTRODUCTION AND BASIC KEYS
DAY - 2 DRAWING AND IMPLEMENTATION OF LOADS
DAY - 3 ERECTING AND LOAD CHECKING USING STAADPRO
DAY - 4 FINDING OUT THE LOADS AND CROSS CHECKING THE INPUTS
DAY - 5 FINAL OUTPUT



Coordinator



HOD CIVIL



CARE
COLLEGE OF ENGINEERING
 (Approved by AICTE and Affiliated to Anna University, Chennai)
 27, Thayanur, Trichy - 620009

VALUE ADDED COURSE ON COMPUTER APPLICATION IN CIVIL ENGINEERING
ATTENDANCE (01.02.2023-05-02-2023)

S. No.	Register No.	Student Name	01.02.2023				02.02.2023				03.02.2023				04.02.2023				05.02.2023			
			S1	S2	S3	S4	S1	S2	S3	S4	S1	S2	S3	S4	S1	S2	S3	S4	S1	S2	S3	S4
01	810720103001	Aakash S	g	g	g	g	ab	ab	ab	ab	g	g	g	g	g	g	g	g	g	g	g	g
02	810720103002	Gunalan S	sg	sg	sg	sg	sg	sg	sg	sg	ab	ab	ab	ab	sg	sg	sg	sg	sg	sg	sg	sg
03	810720103003	Iyyappan R	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r
04	810720103004	Jasmine M	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
05	810720103005	Kavimani S	s	s	s	s	ab	ab	ab	ab	s	s	s	s	s	s	s	s	s	s	s	s
06	810720103006	Kaviya V	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
07	810720103007	Lakshmikanth R	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r
08	810720103009	Praveenraj V	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
09	810720103010	Rajmohan K	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k
10	810720103011	Siva Shanmugam S	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
11	810720103012	Sudharsan M	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
12	810720103013	Thenmozhi S	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
13	810720103301	Bhakiyavathi R	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r
14	810720103302	Karthik Raja K	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k
15	810720103303	Keerthana R	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	r
16	810720103304	Mohammed Isa Majeeth	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
17	810720103305	Mohammed Ayyas K	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k	k
18	810720103306	Suriya M	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m

Class Co-ordinator

HoD/Civil



(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009

DEPARTMENT OF CIVIL ENGINEERING
REPORT ON VALUE ADDED COURSE ON COMPUTER APPLICATIONS IN CIVIL
ENGINEERING

Date: 1-2-2023 to 6-2-2023

Place: CAD/CAM LAB

The 5-day value added course (VAC) on STAAD pro conducted for 3rd-year civil engineering students was a comprehensive program that provided them with a practical understanding of RCC analysis and design of structures. The VAC was designed to impart practical knowledge and skills to the students, which will enable them to become proficient in the use of the STAAD pro software.

During the value-added course, the students were introduced to the basic concepts of RCC analysis and design, which included the various components of a structure and their functions, different types of loads, and methods of analysis. The students also learned about the STAAD pro software and its various features that make it a powerful tool for analysis and design

The VAC was highly interactive, with hands-on sessions that allowed the students to apply their theoretical knowledge to practical problems. The students were guided through the process of designing a structure using STAAD pro, starting from the creation of a model, to the analysis of the structure, and finally to the design of the reinforcement.

By the end of the value-added course, the students had gained a good understanding of RCC analysis and design and were able to apply their knowledge to real-world problems. They also had the opportunity to work in teams and collaborate with their peers, which helped them develop important teamwork and communication skills.

Overall, the STAAD pro value-added course was a valuable addition to the civil engineering curriculum, providing students with practical skills and knowledge that will help them in their future careers as civil engineers.

Coordinator

HOD CIVIL

**VALUE ADDED COURSE ON COMPUTER APPLICATION IN CIVIL ENGINEERING
PHOTOS**



VALUE ADDED COURSE ON COMPUTER APPLICATION IN CIVIL ENGINEERING
CERTIFICATES



Certificate of Appreciation

This is to certify that

AAKASH S

OF III- YEAR HAVE SUCCESSFULLY COMPLETED A VALUE ADDED COURSE ON "**COMPUTER APPLICATIONS IN CIVIL ENGINEERING**" ORGANIZED BY DEPARTMENT OF CIVIL ENGINEERING ON
1-2-2023 TO 6-2-2023

Handwritten signature of C S Murali in black ink.

C S MURALI
Coordinator

Handwritten signature of B Sudha Priya in black ink.

B SUDHA PRIYA
HoD
CIVIL



Certificate of Appreciation

This is to certify that

GUNALAN S

OF III- YEAR HAVE SUCCESSFULLY COMPLETED A VALUE ADDED COURSE ON "**COMPUTER APPLICATIONS IN CIVIL ENGINEERING**" ORGANIZED BY DEPARTMENT OF CIVIL ENGINEERING ON 1-2-2023 TO 6-2-2023

Handwritten signature of C S Murali in black ink.

C S MURALI
Coordinator

Handwritten signature of B Sudha Priya in black ink.

B SUDHA PRIYA
HoD
CIVIL

VALUE ADDED COURSES

S.no	Date of Event	Name of the Event	Topic	Resource Person Name	Designation	Organization	Semester	Year
1	10-05-2023 to 11-05-2023	Augmented Reality and Virtual Reality	AR/VR	Dr.B.Ezhilavan	Founder& CEO	VEITECH NOLOGIES,Pvt,Ltd., Chennai	EVEN	2022-2023
2	10/08,16/08,17/08,20/08,22/08/2023,1/9,3/9,9/9,20/09,22/09/2023	Problem Solving	Foundation of Programming and Problem solving	Dr. Anandkumar Prakasam,	Root-Trainer	IT learning Centre Research Consultancy, Trichy	ODD	2022-2023
3	06.02.2023 to 11.02.2023	Python Coding	Python Programming	Mr. J. SARAVANA KUMAR	Trainer	Talent 64 Technologies, Chennai	EVEN	2022-2023
4	18/04/2023 To 20/04/2023	Cyber Security	Foundational Course of Security	IT-ITeS Sector Skills Council with NASSCOM	Future Skill	Online	EVEN	2022-2023

Pre-requisite:

Basic programming skills, Knowledge of Geometry, 3D spaces and Linear algebra.

Course Objectives

- CO1: Introducing importance and applications of Augmented and Virtual Reality Systems
- CO2: Explaining working principle of Head Up and Head Mounted Display Systems
- CO3: Using Computer Vision to develop AR system.
- CO4: Developing VR models in Unity
- CO5: Integrating different sensors with AR/VR systems

UNIT I: Introduction

(3 + 6)

Introduction to Virtual Reality – Fundamental concepts and components – Displays and tracking technologies. Primary Features and Present Development on Virtual Reality. Computer graphics, Real time computer graphics, Flight Simulation, Virtual environment requirement, benefits of virtual reality, Historical development of VR.

VR Project – Development of a programming project using a game engine and Google VR software for real time applications.

UNIT II: Augmented Reality

(3 + 6)

Introduction- Basic concepts and components - technology and features of augmented reality, difference between AR and VR, Challenges with AR, AR systems and functionality, augmented reality methods, visualization techniques for augmented reality.

AR Project - wireless displays in real time augmented reality applications

UNIT III : 3D USER INTERFACE INPUT HARDWARE:

(3 + 6)

Input device characteristics, Desktop input devices, Tracking Devices, 3D Mice, Special Purpose Input Devices, Direct Human Input, Home-Brewed Input Devices, and Choosing Input Devices for 3D Interfaces -Development of a project with stereoscopy

Unit IV: SOFTWARE TECHNOLOGIES:

(3 + 6)

Database-World Space, World Coordinate, World Environment, Objects-Geometry, Position / Orientation, Hierarchy, Bounding Volume, Scripts and other attributes, VR Environment-VR Database, Tessellated Data, LODs, Cullers and Occluders, Lights and Cameras, Scripts, Interaction-Simple, Feedback, Graphical User Interface, Control Panel, 2D Controls, Hardware Controls, Room / Stage / Area Descriptions, World Authoring and Playback, VR toolkits, Available software in the market

Unit V: MODELLING THE PHYSICAL WORLD

(3 + 6)

Geometric Modelling – Kinematics Modelling –Physical Modelling –Behaviour Modelling – Model Management

Project -Developing concept of real application with objects that have behaviour or transformative properties.

Total hours :15(T)+30(P) =45 Hours

Reference Books:

1. Alan B Craig, William R Sherman and Jeffrey D Will, Developing Virtual Reality Applications: Foundations of Effective Design, Morgan Kaufmann, 2009.
2. Gerard Jounghyun Kim, Designing Virtual Systems: The Structured Approach, 2005.
3. Doug A Bowman, Ernest Kuijff, Joseph J LaViola, Jr and Ivan Poupyrev, 3D User Interfaces, Theory and Practice, Addison Wesley, USA, 2005.
4. Oliver Bimber and Ramesh Raskar, Spatial Augmented Reality: Merging Real and Virtual Worlds, 2005.
5. Burdea, Grigore C and Philippe Coiffet, Virtual Reality Technology, Wiley Interscience, India, 2003.
6. John Vince, Virtual Reality Systems, Addison Wesley, 1995.

Web resources

1. www.vresources.org
2. www.vrac.iastate.edu
3. www.w3.org/MarkUp/VRM

Hardware Requirement:	Application Development Lab
PC with Windows /Linux OS	
inputs/outputs (button, eye tracking, accelerometer)	
Microphone	
Sound capacity	
Display capacity	
Visual tracking	
Software Requirement	
OpenSpace3D / Google's ARcore	
/ARToolKit -- Open source	

ATTENDANCE SHEET

Number of Days : 6 Days

Academic Year: 2022 - 23(Even)

Total Sessions : 11 Sessions

Total Hours :45 Hours

Course Title : IVA072- Augmented and Virtual Reality

Resource Person : Internal & External

Target Audience : III Year CSE & III Year AI & DS

S.No	Register No.	Name	10.3.2023		25.03.2023		01.04.2023		26.04.2023		10.05.2023		11.05.2023	
			FN	AN	FN	AN	FN	FN	AN	FN	AN	FN	AN	FN
1	810720104001	JAANTO	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto	J.Aanto
2	810720104002	S.ABDULLA	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla	S.Abdulla
3	810720104003	ALAVANDAN S	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan	A.Lavandan
4	810720104004	MAHESH BABU. A	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu	M.Ababu
5	810720104005	BHARATH RA	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath	B.Rath
6	810720104006	R.BHARATHI	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi	R.Bharathi
7	810720104007	DEREK JOEL SAM. M	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel	D.Joel
8	810720104008	A.DHIVYA SHREE	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya	A.Dhivya
9	810720104009	S.DINESHKUMAR	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh	S.Dinesh
10	810720104010	GAYATHRI S	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri
11	810720104011	HARRISH KRISHNAN B	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish	B.Harish
12	810720104012	JAYASURYA.A	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya	A.Jayasurya
13	810720104015	KARTHIKEYAN S	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan	S.Karthikeyan
14	810720104016	KAVIYAN.R	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan	R.Kaviyan
15	810720104017	KEERTHANA.R	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana	R.Keethana
16	810720104018	G.LOKESH	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh	G.Lokesh
17	810720104019	MADHAN M	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan	M.Madhan
18	810720104020	MAHESH E	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh	E.Mahesh
19	810720104021	MOHAMED ISMAIL K	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed	K.Mohamed
20	810720104023	NAVIN. S	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin	S.Navin
21	810720104024	M.PANNEER SELVAM	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer	M.Panneer
22	810720104025	K.PAPAMESHWARAN	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh	K.Papamesh
23	810720104026	PASUPULETI DHEEPAJ	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa	P.Dheepa
24	810720104027	PAVIKA.V	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika	V.Pavika
25	810720104028	PRAVEENAKASH. G	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen	G.Praaveen
26	810720104029	PUGAZHENTHIS	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi	P.Pugazhenthi
27	810720104030	PAVI KUMAR.P	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar	P.Pavikumar
28	810720104031	ROSHAN V	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan	V.Roshan
29	810720104032	M.SAKTHI SHREE	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi	M.Sakthi
30	810720104033	SAPAVANAN.R	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan	R.Sapavanan
31	810720104035	SHAIK.ALTHAF	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq	A.Shaiq

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms.
Aanto J Myear - CSE
 of CARE COLLEGE OF ENGINEERING has attended and completed the 45 hours of Value
 Added Course on "AUGMENTED AND VIRTUAL REALITY " for the academic year
 2022-2023. We appreciate his/her dedication for
 completing all the tasks assigned during the period of the course.


 Dr. B. EZHILAVAN,
 VEI Technologies Pvt. Ltd.

32	81072010
33	81072010
34	81072010
35	81072010
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37	81072010
38	81072010
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34	81072010
35	81072010
36	81072010
37	81072010
38	81072010
39	81072011
40	81072011

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms.

ABDULLA.S 17yr - CSE

of CARE COLLEGE OF ENGINEERING has attended and completed the 45 hours of Value Added Course on "AUGMENTED AND VIRTUAL REALITY " for the academic year 2022-2023. We appreciate his/her dedication for completing all the tasks assigned during the period of the course.


Dr. B. EZHILAVAN,
VEI Technologies Pvt.Ltd.

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms.
Alavandan S 10 year - CSE
of CARE COLLEGE OF ENGINEERING has attended and completed the 45 hours of Value
Added Course on "AUGMENTED AND VIRTUAL REALITY " for the academic year
2022-2023. We appreciate his/her dedication for
completing all the tasks assigned during the period of the course.


Dr. B. EZHILAVAN,
VEI Technologies Pvt. Ltd.

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms.
Annaladasu Mahesh Babu - 1st year - CSE
 of CARE COLLEGE OF ENGINEERING has attended and completed the 45 hours of Value
 Added Course on "AUGMENTED AND VIRTUAL REALITY " for the academic year
 2022-2023. We appreciate his/her dedication for
 completing all the tasks assigned during the period of the course.


 Dr. B. EZHILAVAN,
 VEI Technologies Pvt. Ltd.

S.No	Topics	Duration	Date/Day
(III CSE & AD)			
1	Introduction - Company Types, Goal, Choosing a Company, Choosing a Programming Language, Compiler vs Interpreter, Types of Programming Languages, What is a Program?, etc.	3	Aug 10, Wed (FN)
2	Data Types: Types, Primitive vs Complex, Value vs Reference, Garbage Collection Primitives, Basic Data Types: int, float, char, bool, string with use cases, Git and GitHub Fundamentals – Git Hands on training	3	Aug 16, Tue (FN)

3	Conversion: Casting, Conversion, Formatting, Parsing, Basic Programming: IDE, Input, Output and Basic Operations, Set 1 5 questions hands on	3	Aug 17, Wed (FN)
4	Set 1 Discussion, Scope: Visibility and Lifetime, Stack Tracing, Debug using Break Points, Functions/Methods - Use Cases and Types, Functions Hands on	3	Aug 20, Sat (FN)
5	Functions Discussion, Conditionals: If Else and Boolean Operations, Conditions 5 questions hands on, Switch Case, Ternary Operator, Boolean Functions, Unit Testing, Test Driven Development	3	Aug 20, Sat (AN)
6	Conditionals Discussion, Loops: Unstructured, Structured, Parts, while, for, do while, multiple iterators, break and continue, Loops 5 questions hands on, Contest I/O Discussion, Practice Contest 1 - Intro Hands On	3	Aug 22, Mon (FN)
7	Loops Set 1 Discussion, Set 2 IO Explanation, Simple Patterns Explanation, Set 2 - 5 questions Hands on, Practice Contest 2 and Discussion	3	Sep 01, Thu (FN)
8	Loops Set 2 Discussion, Factors, Primes and Number Problems, Set 3 IO Explanation, Practice Contest 3 and Discussion	3	Sep 3, Sat (FN)
9	Arrays - 1D, 2D and Jagged Arrays with Use Cases and Demo, Arrays Set 1 - 5 questions Hands on Practice Contest 4 – Hands on and Discussion	3	Sep 9, Fri (FN)
10	Array Set 1 Discussion, Linear Search, Binary Search, Array Set 2 IO, Array Set 2 Hands On 5 Questions. Practice Contest 5 – Hands On and Discussion	3	Sep 9, Fri (AN)
11	Array Set 2 Discussion, Rotation and Reverse in place, Array Set 3 IO, Collection Classes: List, Sorted List, Stack, Queue, Dictionary, Set Use Cases with Demo. Practice Contest 6 – Hands On and Discussion	3	Sep 20, Thu (FN)

12	Array Set 3 Discussion, Collection Set 1 IO, Files and Directories - File I/O, Game Development - Board Games, Practice Contest 7 Hands on and discussion.	3	Sep 20, Thu (AN)
13	Collection Classes Set 1 Discussion, Strings and Character Arrays. Strings IO. Board Game Project Review and Improvements, Practice Contest 8 Hands on and Discussion.	3	Sep 22, Sat (FN)
14	Strings Set Discussion. Two Pointer Technique. Board Game Project Review and Suggestions. Full Contest 1 and Discussion.	3	Sep 22, Sat (AN)
(IV CSE)			
15	Basic Programming Concepts and Sample programs	3	Sep 27, Tue (FN)
16	Concepts of Test Cases	3	Oct 11, Tue (AN)

CARE

COLLEGE OF ENGINEERING

Department of Computer Science & Engineering

Value Added Course on Foundations of Programming and Problem Solving

Sno	Reg. No	Name	Academic Year : 2022-23 / ODD											
			Date	10/8	16/8	19/8	26/8	30/8	02/9	07/9	13/9	19/9	26/9	30/9
1	810720104001	Aanto J	1-4	1-4	1-4	1-8	1-2	3-4	7-4	1-4	2-8	7-8	1-8	
2	810720104002	Abdulla S	A	A	A	A	A	A	A	A	A	A	A	
3	810720104003	Ahavanan S	A	A	A	A	A	A	A	A	A	A	A	
4	810720104004	Annaladasu Mahesh Babu	A	A	A	A	A	A	A	A	A	A	A	
5	810720104005	Bharath RA	A	A	A	A	A	A	A	A	A	A	A	
6	810720104006	Bharathi R	A	A	A	A	A	A	A	A	A	A	A	
7	810720104007	Derek Joel San M	A	A	A	A	A	A	A	A	A	A	A	
8	810720104008	Dhivya Shree A	A	A	A	A	A	A	A	A	A	A	A	
9	810720104009	Dinesh Kumar S	A	A	A	A	A	A	A	A	A	A	A	
10	810720104010	Gayathri S	A	A	A	A	A	A	A	A	A	A	A	
11	810720104011	Harith Krishnan B	A	A	A	A	A	A	A	A	A	A	A	
12	810720104012	Jayasurya A	A	A	A	A	A	A	A	A	A	A	A	
13	810720104015	Karthikeyan S	A	A	A	A	A	A	A	A	A	A	A	
14	810720104016	Kavyan R	A	A	A	A	A	A	A	A	A	A	A	
15	810720104017	Keerthana R	A	A	A	A	A	A	A	A	A	A	A	
16	810720104018	Lokesh G	A	A	A	A	A	A	A	A	A	A	A	
17	810720104019	Madhan M	A	A	A	A	A	A	A	A	A	A	A	
18	810720104020	Mahesh E	A	A	A	A	A	A	A	A	A	A	A	
19	810720104021	Mohamed Ismail K	A	A	A	A	A	A	A	A	A	A	A	
20	810720104023	Navin S	A	A	A	A	A	A	A	A	A	A	A	
21	810720104024	Pannier Selvam M	A	A	A	A	A	A	A	A	A	A	A	
22	810720104025	Parameshwaran K	A	A	A	A	A	A	A	A	A	A	A	
23	810720104026	Pasupuleti Dheeraj	A	A	A	A	A	A	A	A	A	A	A	
24	810720104027	Pavika V	A	A	A	A	A	A	A	A	A	A	A	
25	810720104028	Praveen Akash G	A	A	A	A	A	A	A	A	A	A	A	
26	810720104029	Pugazbentli S	A	A	A	A	A	A	A	A	A	A	A	
27	810720104030	Ravikumar R	A	A	A	A	A	A	A	A	A	A	A	

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy - 620009

Department of Computer Science Engineering
Value Added Course on Test Case Implementation

Batch : 2019-2023

Academic Year : 2022-2023 (ODD)
Year/Sem : IV.Yr/VII Sem

S.No	Reg.No	Name	27.9.22 FN	11.10.22 FN	12.10.22 AN	13.10.22 AN
1	810719104001	Aakash N				
2	810719104002	Adithyan A				
3	810719104004	Aravind R	P. Aravind	P. Aravind	P. Aravind	P. Aravind
4	810719104005	Arthy N	N. Arthy	N. Arthy	N. Arthy	N. Arthy
5	810719104006	Ayesha Begum S	S. Ayesha	S. Ayesha	S. Ayesha	S. Ayesha
6	810719104007	Balanuragan S	S. Balanuragan	S. Balanuragan	S. Balanuragan	S. Balanuragan
7	810719104009	Chelei Jisha	Ch. Jisha	Ch. Jisha	Ch. Jisha	Ch. Jisha
8	810719104011	Gopinath G	G. Gopinath	G. Gopinath	G. Gopinath	G. Gopinath
9	810719104012	Keerthana D.M	D.M. Keerthana	AB	AB	AB
10	810719104013	Madhan Prasath R	R. Madhan Prasath	R. Madhan Prasath	R. Madhan Prasath	AB
11	810719104014	Madhu Preetha B	B. Madhu Preetha	B. Madhu Preetha	S. Nandhini	S. Nandhini
12	810719104015	Nandhini S	S. Nandhini	S. Nandhini	AB	AB
13	810719104016	Nithinkarthick R	R. Nithinkarthick	R. Nithinkarthick	R. Nithinkarthick	R. Nithinkarthick
14	810719104017	Nithya Sri R	R. Nithya Sri	R. Nithya Sri	R. Nithya Sri	R. Nithya Sri
15	810719104018	Ram Chandhar S A	A. Ram Chandhar	A. Ram Chandhar	A. Ram Chandhar	A. Ram Chandhar
16	810719104019	Sanjai P	P. Sanjai	P. Sanjai	P. Sanjai	P. Sanjai
17	810719104020	Shreechar K E	E. Shreechar	E. Shreechar	E. Shreechar	E. Shreechar
18	810719104021	Steffy Roesy J A	A. Steffy Roesy	A. Steffy Roesy	A. Steffy Roesy	A. Steffy Roesy
19	810719104022	Swetha V	V. Swetha	V. Swetha	V. Swetha	V. Swetha
20	810719104023	Syed Jaffer Sadiq	S. Syed Jaffer	AB	AB	AB
21	810719104025	Vijayashree V	V. Vijayashree	V. Vijayashree	V. Vijayashree	V. Vijayashree
22	810719104026	Vindhiya M	M. Vindhiya	AB	AB	V. Vindhiya
23	810719104301	Ayyapan D	D. Ayyapan	D. Ayyapan	D. Ayyapan	D. Ayyapan

[Signature]
Event Coordinator

Date	Date											
	10/8	11/8	12/8	13/8	14/8	15/8	16/8	17/8	18/8	19/8	20/8	21/8
28	810720104031	Roshan	A	A	A	A	A	A	A	A	A	A
29	810720104032	Sakshi Shree M	A	A	A	A	A	A	A	A	A	A
30	810720104033	Saravanan R	A	A	A	A	A	A	A	A	A	A
31	810720104035	Shaik Althaf	A	A	A	A	A	A	A	A	A	A
32	810720104036	Sivasakthi V	A	A	A	A	A	A	A	A	A	A
33	810720104037	Suvetha S	A	A	A	A	A	A	A	A	A	A
34	810720104038	Tharun R	A	A	A	A	A	A	A	A	A	A
35	810720104039	Vigneshmuthan R	A	A	A	A	A	A	A	A	A	A
36	810720104040	Vijay Krishna B	A	A	A	A	A	A	A	A	A	A
37	810720104042	Vimal Sajee G R	A	A	A	A	A	A	A	A	A	A
38	810720104043	Yamini K	A	A	A	A	A	A	A	A	A	A
39	810720104301	Mohideen Irshath	A	A	A	A	A	A	A	A	A	A
40	810720104302	Nithin K J	A	A	A	A	A	A	A	A	A	A
Total Present			15	20	24	17	20	24	29	29	20	23
Total Absent			25	20	6	23	10	6	11	21	20	7
Faculty Sign			Pay	Pay	Pay	Pay	Pay	Pay	Pay	Pay	Pay	Pay

[Signature]
HoD

[Signature]
Coordinator

Sno
1
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CSE 2022-2023 EVEN Python Programming

S.No	Topics	Duration	Date/Day
(II CSE)			
1	Understand Python's logic and structure, Literals and Variables, Operators Make decisions and branch the flow with the if instruction, Different types of iterations, Collect and process data using Lists, Collect and process data using tuples ,Solve the Coding interview Questions using above Concepts	6	Feb 6, Mon
2	Collect and process data using dictionaries, set Operations, Operate with strings, Solve the Coding interview Questions using above Concepts	6	Feb 7 Tue
3	Built-in Functions, Defining and invoking user-defined functions and generators, Solve the Coding interview Questions using above Concepts	6	Feb 8, Wed
4	import variants: import, from import, import as, import * math module functions: ceil(), floor(), factorial(), sqrt(), etc Solve the Coding interview Questions using above Concepts	6	Feb 9 Thur
5	Coding Interview Questions Company Specific Interview Questions	6	Feb 10 Fri
6	Hacker Rank Beginner Level Practice Tests Hacker Rank Intermediate Level Practice Tests Hacker Rank Advanced Level Practice Tests	6	Feb 11 Sat

S. No	Reg No	Name of the Student	6.2.22 (FN)	6.2.22 (AN)	7.2.22 (FN)	7.2.22 (AN)	8.2.22 (FN)	8.2.22 (AN)	9.2.22 (FN)	9.2.22 (AN)	10.2.22 (FN)	10.2.22 (AN)	11.2.22 (FN)	11.2.22 (AN)
18	810721101019	KAMUNYANATHAN K	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
19	810721101020	KEETHANA S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
20	810721101021	KOTAGIRI NARASIMHA RAO	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
21	810721101022	KRISHNAPATHI PAVAN KUMAR	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
22	810721101023	MAHALAKSHMI S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
23	810721101024	MAHESWARAN R	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
24	810721101025	MANIKANDAVASAN S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
25	810721101026	MOHAMED NAVLEETH	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
26	810721101027	MOHANAKRISHNAN M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
27	810721101028	NAGAPPAN S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
28	810721101029	NARENTHIRAKUMAR G	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
29	810721101030	NAATHYA M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
30	810721101031	NITHYASRI G	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
31	810721101032	PADARATHI SANDEEP	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
32	810721101033	PRIVADHARSHINI E	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
33	810721101035	RANITHI KANNAN U	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
34	810721101036	RADHAEL D	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
35	810721101037	REENA A R	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
36	810721101038	REBA SHARON J B	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
37	810721101039	SAHAYA DEEVYA JENIEVE S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
38	810721101040	SANCHI SARAVANA M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
39	810721101041	SANTHOSH M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
40	810721101042	SILAM SUNDAR B	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
41	810721101043	SHAIK HROZ	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB

CARE

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai
27, Thiruvalluvar Street, Chennai - 600 029

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED COURSE ON PYTHON PROGRAMMING

Academic Year: 2022-23(ODD)
YEAR /SEM:III/IV

Batch : 2021-25

S. No	Reg.No	Name of the Student	5.2.223 (FN)	6.2.223 (AN)	7.2.23 (FN)	7.2.23 (AN)	8.2.23 (FN)	8.2.23 (AN)	9.2.23 (FN)	9.2.23 (AN)	10.2.23 (FN)	10.2.23 (AN)	11.2.23 (FN)	11.2.23 (AN)
1	510721104001	AGALYA A	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
2	510721104002	AJAYAN B	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
3	510721104003	ANASHA	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
4	510721104004	ARYAN REDDY	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
5	510721104005	ANISH ROSHAN A	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
6	510721104006	ARUL KUMARAN A	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
7	510721104007	BALA P	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
8	510721104008	DANTYAL BAXT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
9	510721104009	DHANULESH S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
10	510721104010	DHARSHINI R	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
11	510721104011	DHEELIPAN R	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
12	510721104012	GAYATHRI B	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
13	510721104013	SHASAHMED S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
14	510721104014	JANANIK	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
15	510721104015	JAYAPRAVEEN R	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
16	510721104017	KANDASOZHI S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
17	510721104018	KARTHIKEYAN M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB

S. No	Reg No	Name of the Student	6.2.23 (FN)	6.2.23 (AN)	7.2.23 (FN)	7.2.23 (AN)	8.2.23 (FN)	8.2.23 (AN)	9.2.23 (FN)	9.2.23 (AN)	10.2.23 (FN)	10.2.23 (AN)	11.2.23 (FN)	11.2.23 (AN)
18	810721101019	KAMUNYANATHAN K	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan	K. Kamunyanathan
19	810721101020	KURRITHANA S	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana	K. Kurritana
20	810721101021	ROTAGIRI NARASIMHA RAO	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao	R. Narasimha Rao
21	810721101022	KRISHNAPATHI PAVAN KUMAR	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar	K. Pavan Kumar
22	810721101023	MAHALAKSHMIS	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi	S. Mahalakshmi
23	810721101024	MAHESWARAN R	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar	P. Maheshwar
24	810721101025	MANIKANDAVASAN S	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan	S. Manikandavasan
25	810721101026	MOHAMED NAVLETH	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth	M. Navleth
26	810721101027	MOHANAKRISHNAN M	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan	M. Mohanakrishnan
27	810721101028	NAGAPPAN S	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan	S. Nagappan
28	810721101029	NARENTHRAKUMAR G	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar	G. Narenthra Kumar
29	810721101030	NAVITHA M	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha	M. Navitha
30	810721101031	NITHYASRI G	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri	G. Nithyasri
31	810721101032	PADARTHU SANDEEP	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep	S. Padarthu Sandeep
32	810721101033	POOVADHARSHINI E	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini	E. Poovadharsini
33	810721101035	RANJITH KANNAN U	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan	U. Ranjith Kannan
34	810721101036	RAFAEL D	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael	D. Rafael
35	810721101037	REENA A R	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena	A. Reena
36	810721101038	RIBA SHARON J B	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba	B. Sharon Riba
37	810721101039	SAHAYA DHANYA RENJEEV S	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev	S. Sahaya Dhanya Renjeev
38	810721101040	SANGLI SARAVANA M	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana	M. Sangli Saravana
39	810721101041	SANTHOSH M	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh	M. Santhosh
40	810721101042	SHEAM SUNDAR B	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar	B. Sheam Sundar
41	810721101043	SHAIK HIROZ	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz	H. Shaik Hiroz

CERTIFICATE

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CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Name Surname

PLACE YOUR TEXT HERE

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iam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in repre
e velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa q

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COMPANY NAME

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signatory

CYBER SECURITY EVEN 2021-2022

Syllabus

Sno	Topic	Duration(hrs)	Date
1	Setting, configuring and managing three password policy in the computer (BIOS, Administrator and Standard User).	2	18/04/2023
2	Setting and configuring two factor authentication in the Mobile phone.	2	18/04/2023
3	Security patch management and updates in Computer and Mobiles.	2	19/04/2023
4	Managing Application permissions in Mobile phone.	2	19/04/2023
5	Installation and configuration of computer Anti-virus.	2	20/04/2023
6	Installation and configuration of Computer Host Firewall.	2	20/04/2023
7	Wi-Fi security management in computer and mobile	1	20/04/2023

Name List

1	810720104001	AANTO J	III YEAR
2	810720104002	ABDULLA S	III YEAR
3	810720104003	ALAVANDAN S	III YEAR
4	810720104004	MAHESH BABU A	III YEAR
5	810720104006	BHARATHI R	III YEAR
6	810720104007	DEREK JOEL SAM M	III YEAR
7	810720104008	DHIVYA SHREE A	III YEAR
8	810720104009	DINESHKUMAR S	III YEAR
9	810720104010	GAYATHRI S	III YEAR
10	810720104012	JAYASURYA A	III YEAR
11	810720104015	KARTHIKEYAN S	III YEAR
12	810720104016	KAVIYAN R	III YEAR
13	810720104017	KEERTHANA R	III YEAR

1 4	810720104018	LOKESH G	III YEAR
1 5	810720104019	MADHAN M	III YEAR
1 6	810720104020	MAHESH E	III YEAR
1 7	810720104024	PANNEER SELVAM M	III YEAR
1 8	810720104025	PARAMESHWARAN K	III YEAR
1 9	810720104027	PAVIKA V	III YEAR
2 0	810720104028	PRAVEENAKASH G	III YEAR
2 1	810720104029	PUGAZHENTHI S	III YEAR
2 2	810720104030	RAVI KUMAR R	III YEAR
2 3	810720104031	ROSHAN V	III YEAR
2 4	810720104032	SAKTHI SHREE M	III YEAR
2 5	810720104033	SARAVANAN R	III YEAR
2 6	810720104036	SIVASAKTHI V	III YEAR
2 7	810720104037	SUVETHA S	III YEAR
2 8	810720104038	THARSINI R	III YEAR
2 9	810720104039	VIGNESH NATHAN R	III YEAR
3 0	810720104040	VIJAY KRISHNA B	III YEAR
3 1	810720104042	VIMAL SAJUE GR	III YEAR
3 2	810720104043	YAMINI K	III YEAR
3 3	810720104302	NITIN KJ	III YEAR



CERTIFICATE

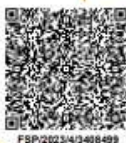
This is to certify that

BHARATHI R-2020

has successfully cleared the assessment on

Foundational Course in Cybersecurity (SFC101)

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council
NASSCOM in collaboration with Industry and approved by Government.



FSP2023/4/3498499

20/04/2023
Date of issue

CEO, IT-ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included



Pre-requisites:

Electronics and Devices Circuits, Embedded systems, Computer Networks

Course Outcomes:

At the end of the Course, the Student will be able to:

CO 1 Understand the building blocks of IoT and its characteristics.

CO 2 Understand the application areas of IoT.

CO 3 Realize the difference between M2M and IoT.

CO 4 Develop IoTs & Logical Design using Python.

CO 5 Develop smart homes using Raspberry Pi.

Chapter 1: Introduction & Concepts: (6+0)

Introduction to IoT, Physical Design of IoT, Logical Design of IoT, IoT Enabling Technologies, IoT Levels and deployment templates.

Chapter 2: Domain Specifications: (6+0)

Home Automation, Cities, Environment, Energy, Retail, Logistics, Agriculture, Industry, Health & Life Style.

Chapter 3: M2M & System Management with Netconf-YANG (3+6)

M2M, Difference between IoT and M2M, SDN and NFV for IoT, Need for IoT Systems Management, Simple Network Management Protocol, Network Operator Requirements, Netconf-YANG, IoT Systems management with Netconf-YANG.

Chapter 4: Developing IoT & Logical Design Using Python (0+12)

Introduction, IoT Design Methodology, Installing Python, Python Data Types & Data Structures, Control Flow, Functions, Modules, Packages, File Handling, Date / Time Operations, Classes, Python Packages of interest for IoT.

Chapter 5: IoT Physical Devices & Endpoints: (0+12)

What is an IoT Device, Exemplary Device: Raspberry Pi, About the Board, Linux on Raspberry Pi, Raspberry Pi Interfaces, and Programming Raspberry Pi with Python & other IoT Devices, Arduino.

Total hours = 45 hrs.

TEXT BOOK:

Vijay Madiseti, ArshdeepBahga, "Internet of Things: A Hands-On-Approach", 1st Edition, Universities Press, 2014.

REFERENCES:

Adrian McEwen, Hakim Cassimally "Designing the Internet of Things", 1stEdition, Wiley Publishers, 2014.

WEB REFERENCES:

1. <https://www.coursera.org/specializations/internet-of-things>
2. <https://www.class-central.com/tag/internet%20of%20things>

J. J. J.
HEAD
Dept. of Electronics and Communication Engg.
CARE College of Engineering
Trichy-620 009

FACULTY PROFILE:

1. Dr. J.Jeyarani M.E., Ph.D.,

Designation: Professor, ECE Department

CARE College of Engineering, Tiruchirappalli 620009.

Area of Specialization: Signal Processing, Embedded Systems

Experience: Teaching – 18.11 years | Research – 6 Years

E-Mail: hode.ece@care.ac.in

2. Mr. Sriram Sundar S M.E., (Ph.D).,

Designation: Assistant Professor Grade-1 , ECE Department

CARE College of Engineering, Tiruchirappalli 620009.

Area of Specialization: Mixed Signal Low Power Design, RTOS

Experience: Teaching – 14 years 6 Months | Research – 1 Year 5 Months

E-Mail: ssriramsundar@care.ac.in

J. Jeyarani

HEAD

Dept. of Electronics and Communication Engg.
CARE College of Engineering
Tiruchy-620 009

IVA038 / Smart Home – Theory and Practices

Schedule

Day	9.00am to 9.45 am	10.00am to 10.45am	11.00am to 11.45pm	2.00 pm to 2.45pm	3.00 pm to 3.45pm	4.00 pm to 4.45pm
17.4.23	Introduction to Internet of Things	Physical Design of IOT	Logical Design of IOT	-	-	-
18.4.23	IOT Enabling Technologies	IOT Levels	IOT deployment templates	-	-	-
19.4.23	Domain Specifications: Introduction.	Home Automation, Cities, Retail, , Industry,	Environment	-	-	-
20.4.23	Energy, Retail SDN and NFV for IOT	Logistics, Agriculture	Health & Life Style	-	-	-
21.4.23	M2M, Difference between IOT and M2M	Need for IOT Systems Management, , IOT Systems	Simple Network Management Protocol	-	-	-
24.4.23	Hands on Network Operator Requirements, NETCONF, YANG			IOT Systems management with NETCONF-YANG		
25.4.23	Hands on IOT Design Methodology, Installing Python, Python Data type			Hands on Data Structures , Control Flow, Functions, Modules, Packages, File Handling		
26.4.23	Hands on Session : Date / Time Operations, Classes			Python Packages of interest for IOT		
27.4.23	Hands on Session: IOT Device Exemplary Device: Raspberry Pi, About the Board			Hands on Linux on Raspberry Pi, Raspberry Pi Interfaces		
28.4.23	Programming Raspberry Pi with Python			Application of Python, IOT devices, Arduino and Raspberry Pi		

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CARE COLLEGE OF ENGINEERING

DEPARTMENT OF ECE

AY- 2022- 2023/ EVEN SEMESTER

Year / Semester: III / V

Students List for Value Added Courses

S. No.	Register No.	Name of the Student
1	810720106001	AFROSE JAMILA.M
2	810720106002	ANANDHACHANDRU.D
3	810720106003	BALAMURUGAN.K
4	810720106004	GADIREDDY SAMEERA
5	810720106005	GOKUL.R
6	810720106006	JANCY RANI.R
7	810720106007	KANCHU LOKESH
8	810720106008	KRISHNAMOORTHIS
9	810720106010	VIGNESHWARAN.G
10	810720106301	DINESH KUMAR.M
11	810720106302	NITHISH.D

J.J.M.W

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Dept. of Electronics and Communication Engg.

CARE College of Engineering

Trichy-620 009

Students Attendance for Value Added Courses

S.No	Reg No	Name of the student	17.4.23	18.4.23	19.4.23	20.4.23	21.4.23	24.4.23	25.4.23	26.4.23	27.4.23	28.4.23
1	810720106001	AFROSE JAMILA.M	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	810720106002	ANANDHACHANDRU.D	D. Dany	D. Dany	D. Dany	D. Dany	D. Dany	D. Dany	D. Dany	D. Dany	D. Dany	D. Dany
3	810720106003	BALAMURUGAN.K	B. Balay	B. Balay	B. Balay	B. Balay	B. Balay	B. Balay	B. Balay	B. Balay	B. Balay	B. Balay
4	810720106004	GADIREDDY SAMEERA	Sameera	Sameera	Sameera	Sameera	Sameera	Sameera	Sameera	Sameera	Sameera	Sameera
5	810720106005	GOKUL.R	R. Gokul	R. Gokul	R. Gokul	R. Gokul	R. Gokul	R. Gokul	R. Gokul	R. Gokul	R. Gokul	R. Gokul
6	810720106006	JANCY RANI.R	R. J. Jancy	R. J. Jancy	R. J. Jancy	R. J. Jancy	R. J. Jancy	R. J. Jancy	R. J. Jancy	R. J. Jancy	R. J. Jancy	R. J. Jancy
7	810720106007	KANCHU LOKESH	K. Kanthu	K. Kanthu	K. Kanthu	K. Kanthu	K. Kanthu	K. Kanthu	K. Kanthu	K. Kanthu	K. Kanthu	K. Kanthu
8	810720106008	KRISHNAMOORTHI.S	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi	S. Krishnamoorthi
9	810720106010	VIGNESHWARAN.G	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran	G. Vigneshwaran
10	810720106301	DINESH KUMAR.M	M. Dinesh	M. Dinesh	M. Dinesh	M. Dinesh	M. Dinesh	M. Dinesh	M. Dinesh	M. Dinesh	M. Dinesh	M. Dinesh
11	810720106302	NITHISH.D	N. Nithish	N. Nithish	N. Nithish	N. Nithish	N. Nithish	N. Nithish	N. Nithish	N. Nithish	N. Nithish	N. Nithish

S. J. J. J.

HOD

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Dept. of Electronics and Communication Engg.
 CARE College of Engineering
 Trichy-620 009

Internal Marks Report

College Code / Name : 8107 - CARE College of Engineering

Branch Code / Name : 106 - B.E. Electronics and Communication Engineering

Semester : 06 University : AUC Regulation : 2017

S.No	Register Number	Name	EC8094	EC8095	EC8611	EC8651	EC8652	EC8661	EC8681	EC8691	HS8581	IVA038	MG8591	SB8033	SB8040
1	810720106001	M AFROSE JAMILA	19	19	97	19	19	20	20	19	20	97	19		89
2	810720106002	ANANDHACHANDRU D	19	18	95	17	18	18	18	18	19	97	18		86
3	810720106003	BALAMURUGAN K	19	19	98	19	18	20	19	19	20	98	18		69
4	810720106004	GADIREDDY SAMEERA		18	91	18	18	18	18	17	20	94	18		83
5	810720106005	GOKUL R	20	19	97	18	19	19	20	19	19	98	19		69
6	810720106006	JANCY RANI R		16	90	17	17	18	18	17	18	89	18		79
7	810720106007	KANCHU LOKESH	19	20	98	20	19	20	20	19	20	97	19	95	
8	810720106008	KRISHNAMOORTHY S	19	18	98	18	19	20	20	19	20	97	19	96	
9	810720106010	VIGNESHWARAN G		18	93	18	18	19	18	18	19	91	18		69
10	810720106301	DINESH KUMAR M		14	88	15	16	18	18	14	18	84	16		64
11	810720106302	NITHISH D		15	89	16	16	18	18	15	18	87	16		74

J. Jeyaraj

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Dept. of Electronics and Communication Engg.
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COLLEGE OF ENGINEERING

DEPARTMENT OF ECE

Academic Year 2022-2023

List of Value Added Courses Developed

S.No	Date	Name of the event	Students Attended	Resource Person	Organization
1	19.01.2023 to 24.01.2023	A Five Day Value Added Course on Automation using Sensors	II – ECE (2021-2025 Batch)	Siemens centre of Excellence	NIT Trichy
2	19.01.2023 to 24.01.2023	A Five Day Value Added Course on Smart Systems Design using IoT	IV- ECE (2019-2023 Batch)	Internal Faculty	CARE College of Engineering
3	17.4.23- 28.4.23	IVA038 / Smart Home – Theory and Practices	III – ECE (2020-2024 Batch)	Internal Faculty	CARE College of Engineering



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Dept. of Electronics and Communication Engg.
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AUTOMATION: IMPACT OF INTERNET OF THINGS

SYLLABUS

Duration: 45 Hours

Module 1: Introduction to IoT, Sensors and Actuators

05 Hours

Introduction to IoT, IoT Application, Things in IoT and Identification, Industrial Internet of Things (IIOT) Reference Architecture, Sensors and Actuators, Embedded System, Communication Technologies, IoT Application Protocols, Fundamentals of Networking in IoT, Software Programming Platform for IoT, IoT Use Cases

Module 2: Introduction to Computational thinking, Arduino, Raspberry Pi and their

Interfacings

06 Hours

Arduino Introduction - Arduino Board Layout, Architecture, Pin Diagram- Embedded C - Raspberry Pi - HW and Software Platform - Integration of IoT End devices with Cloud Infrastructure - Tinker CAD- Embedded System Design using Arduino UNO - Usage of Analog and Digital Input/output Devices - Embedded System Design using Arduino UNO

Module 3: Thingspeak, Adafruit, IFTTT - Cloud Platform for Internet of Things

10 Hours

ESP32 - Installation, Port Configuration, Additional Board Installation (ESP32), Adding New Library, ESP32- Interfacing Digital, Analog Devices and UART, IoT Platform- ThinkSpeak - Connecting and controlling IoT End Devices using ESP32, IoT Platform- Adafruit - IFTTT - Configuration and Control of Mobile Application using IFTTT - Integration of IoT End Device (ESP32) , Adafruit.io and Google Assistant using IFTTT - Cisco Packet Tracer -IoT Smart Home Automation

Module 4: Interfacing of Sensors and design of IoT End node using ESP32

12 Hours

Embedded System design using MCU - ESP32: Arduino Platform - Installation, Port Configuration, Additional Board Installation (ESP32), Adding New Library, Blinking LED - Usage of ADC and Analogue Sensors - Usage of UART (Serial Input/Output) -Wireless Part - BLE - Controlling IoT End node using Mobile Bluetooth - Wi-Fi- Scan Wifi Network - Connect Internet through Wireless Hotspot

Module 5: Integration of IOT end node with Cloud Platform

12 Hours

Configuration of on line Free Public MQTT broker and integration of MQTT Client implemented through ESP 32 for Data transfer - Controlling of Actuator in ESP 32 based IoT End node using

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IFTTT - Design of Web Sockets Server using ESP32 as Hardware and Arduino as Software Platform - Integration of IoT End Node (ESP32 based) with ThingSpeak Cloud and ESP 32 Based Arduino Program for Cloud Integration - Display of Sensor Data and Accumulation in ThigSpeak Dashboard and Control of Actuator in IoT Devices (ESP 32) through UI in ThigSpeak Cloud dashboard - IoT Data Analytics and Visualization

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CARE COLLEGE OF ENGINEERING

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27, Palayamkottai Road - 620002

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



JAN 19 - JAN 27, 2023

PROGRAM



NETWORKS LAB

CARE COLLEGE OF ENGINEERING

VALUE ADDED COURSE

DISCUSSIONS

ON

AND INSIGHTS

AUTOMATION USING

EMBEDDED SYSTEM
PROGRAMMING

SENSORS

PYTHON PROGRAMMING

INTERNET OF THINGS

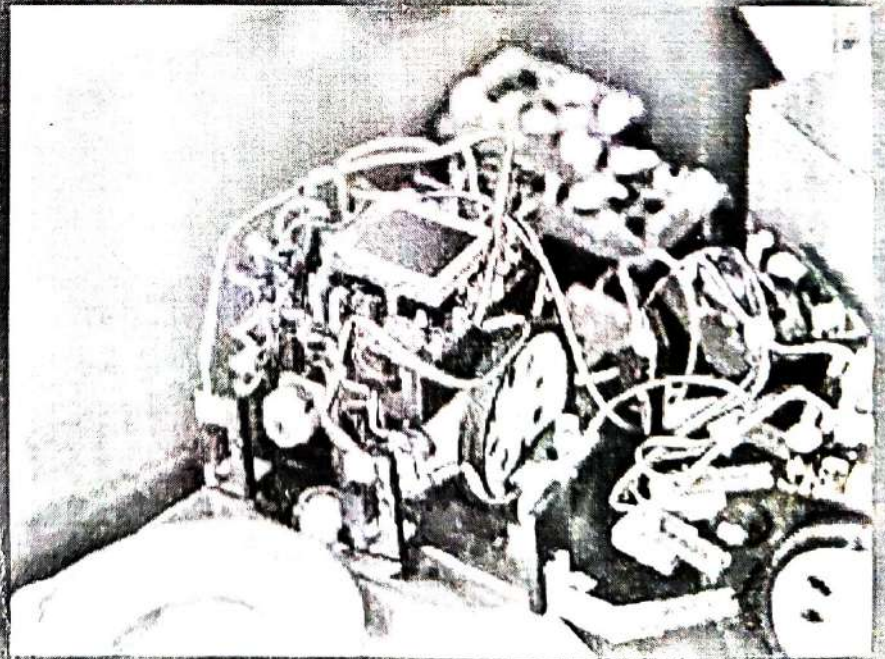
THINKERCAD

CISCO PACKET TRACER

Contact Person:

Mrs P. Deepalakshmi AP/ECE

9844898019



Dept. of Electronics and Communication Engineering

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Department of ECE

Report for Value Added Course on Automation using Sensors (19.01.2023 to 24.01.2023)

Value added course titled “Automation using Sensors” was conducted for II ECE Students from 19.01.2023 to 24.01.2023 (05 days). The Course mainly focused on the recent research trends and emerging applications of IOT and sensors in Automation. The programme started with the inaugural ceremony on 19, January, 2023 by 10.00 am, co-ordinated by Mrs.R.Deepalakshmi Assistant Professor, ECE. The presidential address was delivered by Dr.J.Jeyarani, HOD/ECE. The course was very useful & interactive and more hands-on Session throughout all 5 days, the concern faculties explained all the concepts and working of each and every sensor in IOT Automation.

Value added course titled “Smart Systems Design using IoT” was conducted for IV ECE Students from 19.01.2023 to 24.01.2023 (05 days). The Course mainly focused on the recent research trends and emerging applications of IOT System Design and model development. The course covered the Model deployment and students developed many IOT working models.

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Department of Electronics and Communication Engineering
VALUE ADDED COURSE ON AUTOMATION USING SENSORS (19.01.2023 to
24.01.2023)

PROGRAM SCHEDULE

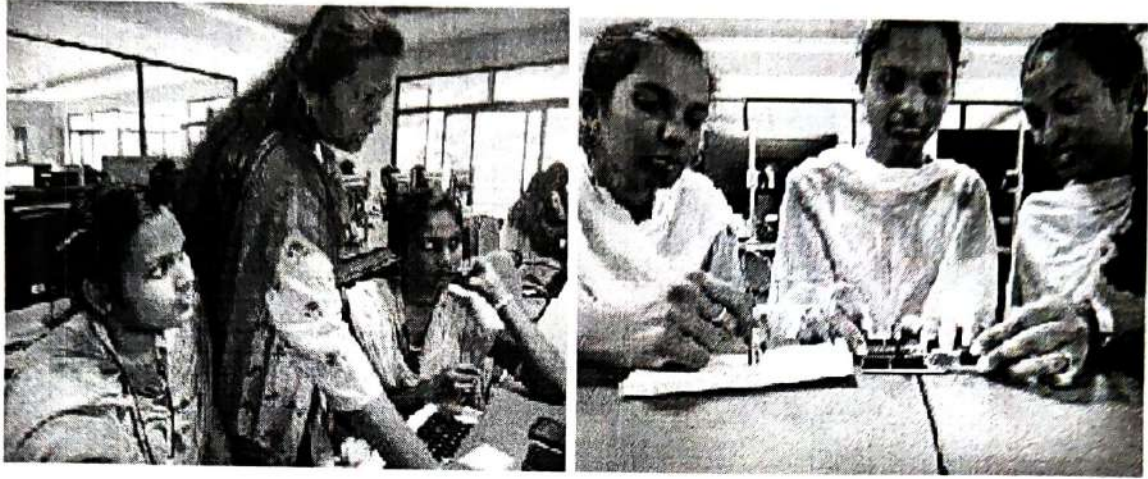
Day	Session	Topic	Name of the faculty
19.01.2023 (Thursday)	FN (09.30 am to 12.30 pm)	Introduction to IoT, Physical design and logical design of IOT	Ms.R.Vanitha
	AN (01.30 pm to 04.30pm)	IOT Enabling technologies, IOT Levels, IOT deployment templates	Mr.S.Sriram Sundar
20.01.2023 (Friday)	FN (09.30 am to 12.30 pm)	Domian Specifications: Introduction home automation, Cities, Retail, Industry, Environment	Ms.S.Shiva Shankari
	AN (01.30 pm to 04.30pm)	Energy, Retail, SDN, NFV for IOT, Logistics, Agriculture, Health and life style	Ms.J.S.Jenin
21.01.2023 (Saturday)	FN (09.30 am to 12.30 pm)	Usage of Analog and Digital Input/output Devices, Embedded System Design using Arduino UNO	Ms.S.Dhivya
	AN (01.30 pm to 04.30pm)	ESP32 –Installation (ESP32), Adding New Library, Interfacing Digital, Analog Devices and UART	Ms.R.Elavarasi
23.01.2023 (Monday)	FN (09.30 am to 12.30 pm)	Handson session: IoT Platform- ThinkSpeak - Connecting and controlling IoT End Devices using ESP32, IoT Platform	Ms.R.Deepalakshmi
	AN (01.30 pm to 04.30pm)	Handson session: Adafruit - IFTTT - Configuration, Integration with IOT and Control of Mobile Application using IFTTT	Ms.R.Vanitha/ Ms.R.Deepalakshmi
24.01.2023 (Tuesday)	FN (09.30 am to 12.30 pm)	Artificial Intelligence and Machine Learning in Internet of Things, Introduction to IIOT and Industry 4.0	Siemens centre of Excellence, NIT Trichy
	AN (01.30 pm to 04.30pm)	IIOT and its application with Online live	Siemens centre of Excellence, NIT

J. S. Jenin
HEAD

Dept. of Electronics and Communication Engg.
CARE College of Engineering
Trichy-620 009

VAC ON AUTOMATION USING SENSORS PHOTOS

(19.01.2023 to 24.01.2023)



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CARE College of Engineering
Trichy-620 009

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COLLEGE OF ENGINEERING

DEPARTMENT OF ECE

FEEDBACK FORM-GUEST LECTURE

Topic: Value Added Course on Smart Systems Design using IoT

If you attended the guest lecture/course we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

➤ Please '☐' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	Poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?		✓		
3.	Are you satisfied with the time and venue?		✓		
4.	How much interesting this session was for you?	✓			
5.	How was your preparation about the topic before the guest lecture?			✓	
6.	Did the lecture cover what you were expecting?		✓		
7.	What is your opinion about the speaker?		✓		
8.	How much this session was useful from the knowledge and information point of view	✓			
9.	Overall effectiveness of the lecture	✓			

Additional comments and suggestions for future

This session helps us to gain more knowledge on smart system design using IoT. Awaiting for the next session.

Date: 24.01.2023

Thank You

CARE COLLEGE OF ENGINEERING

DEPARTMENT OF ECE

FEEDBACK FORM-GUEST LECTURE

Topic: Value Added Course on Smart Systems Design using IoT

If you attended the guest lecture/course we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

➤ Please '☐' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	Poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?		✓		
3.	Are you satisfied with the time and venue?		✓		
4.	How much interesting this session was for you?	✓			
5.	How was your preparation about the topic before the guest lecture?			✓	
6.	Did the lecture cover what you were expecting?		✓		
7.	What is your opinion about the speaker?		✓		
8.	How much this session was useful from the knowledge and information point of view	✓			
9.	Overall effectiveness of the lecture	✓			

Additional comments and suggestions for future

This session helps us to gain more knowledge on smart system design using IoT. I'm waiting for the next session.

Date: 24.01.2023

Thank You

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DEPARTMENT OF ECE

FEEDBACK FORM-GUEST LECTURE

Topic: Value Added Course on Automation using Sensors

If you attended the guest lecture/course we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

➤ Please '☐' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	Poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?		✓		
3.	Are you satisfied with the time and venue?		✓		
4.	How much interesting this session was for you?	✓			
5.	How was your preparation about the topic before the guest lecture?	✓			
6.	Did the lecture cover what you were expecting?		✓		
7.	What is your opinion about the speaker?	✓			
8.	How much this session was useful from the knowledge and information point of view	✓			
9.	Overall effectiveness of the lecture	✓			

Additional comments and suggestions for future

Nice session really this session is useful to us.
We need more sessions.

Date: 24.01.2023



Thank You

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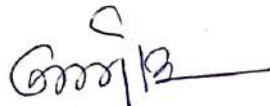
COLLEGE OF ENGINEERING

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27, Thayanur, Trichy - 620009

Submitted to The Principal

1.	Department	CARE-MECH
2.	Title of the Event	A Five Day's Value Added Courses on "Dismantling and Assembly of 2 & 4 Stroke Petrol Engine"
3.	Date and duration of the Event	6th Feb' 23 to 10th Feb' 23 / 8 hours per day
4.	Event Management Team	1)Mr.P.DineshKumar/AP/Mech 2) Mr.S.Karthik/AP/Mech
5.	Target Audience	II Year & Final Year Mechanical Students (Internal)
6.	Name of the Conveners	Dr.D.R.Rajkumar/HoD/Mech
7.	What are the benefits to the faculty?	Faculty members shall enrich the research ideas and concepts in modern technologies.
8.	What are the benefits to the students/ Faculty/ Scholars?	Students get exposed to enhanced technologies and get an opportunity to interact with other Scholars, Faculty and Student members.
9.	Details of Financial commitment by CARE College of Engineering (If any)	Commitment for the College.
10.	Signature of the faculty in-charge with date	 & 

Permission may please be granted to organize the above-mentioned A Five Day's Value added Courses on "Dismantling and Assembly of 2 & 4 Stroke Petrol Engine" for Second and Final year mechanical engineering students.


HOD/MECH

Date: 04/02/23


18.2.23
PRINCIPAL

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CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

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Department of Mechanical Engineering
conducts'

A Five Day's Value Added Courses on "Dismantling and Assembly of 2 & 4 Stroke Petrol Engine" from
06-02-2023 to 10-02-2023

Tentative Budget Details

Proposed Expenditure for organizing the a Five Day's Value Added Courses in the college level	Amount in Rs.
External Resource Person - 5 Days X 2000	10,000
Internal Resource Person - 8 Session X 750	6,000
Technical Assistant Remuneration-2 persons X 400	800
Old Engine Purchase	5,000
Tools	1,000
Printing Charges: Printing of Certificates (50 Nos X 15)	750 ✓
Total Expenses	23,550 ✓

Professional Development Fees from II Year(31 Nos X 500) - Rs.15,500

Professional Development Fees from IV Year(10 Nos. X 1000) - Rs.10,000

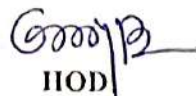
Total Planned Amount For Value Added Course =Rs.25,500

Proposed Amount


Co-Ordinators

Mr. P. Dinesh Kumar

Mr. S. Karthik


HOD

HEAD

Mechanical Engineering
CARE College of Engineering
Trichy - 620 009


18.2.23

Principal

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CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

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COLLEGE OF ENGINEERING

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27, Thayanur, Trichy – 620009

Department of Mechanical Engineering



Value added Course -Schedule

“Dismantling and Assembly of 2-Stroke and 4-Stroke Petrol Engine”

Participants: II & IV Year Mechanical Students

S.no	Date	Time	Session	Handled By
1	Day 1 (06-02-23)	09.00 – 10.45	Inaugural Address	Dr.S.Shanthi / Principal
			Welcome address	Mr.S.Karthik / AP
			Introduction on IC ENGINES	Dr.D.R.Rajkumar / HOD
		11.15 – 12.35	Guest Lecture On- Description of IC ENGINES	Mr.B.Manickraj (External)
		01.30 – 03.10	Hands on Session-Two Stroke Engine-Dismantle	
03.30 – 04.45	Guest lecture on-Identifying parts with its function	Mr.P.Dineshkumar / AP		
2	Day 2 (07-02-23)	09.00 – 10.45	Guest Lecture On- Various Types Of Fuels,Engines,Brake systems,cars classification	Mr.S.Karthik / AP
		11.15 – 12.35	Guest Lecture On-Clutch and Transmission Assembly	Mr.M.Anthony Kingston / AP
		01.30 – 03.10	Hands on Session- Overview and Two Stroke Engine-Assembly	Mr.B.Manickraj (External)
		03.30 – 04.45		
3	Day 3 (08-02-23)	09.00 – 10.45	Hands on Session- Overview and Four Stroke Engine-Assembly	Mr.B.Manickraj (External)
		11.15 – 12.35	Hands on Session-Assembly and dismantle of Clutch and Transmission assembly	
		01.30 – 03.10	Guest Lecture on-Crankshaft and Piston	Mr..S.Maheswaran / AP
		03.30 – 04.45	Hands on- ArrangementAssembling of Transmission with crank and Piston arrangement	Mr.B.Manickraj (External)
4	Day 4 (09-02-23)	09.00 – 10.45	Hands on Session On- Assembling of Transmission with crank and Piston arrangement(Body assembly)	Mr.B.Manickraj (External)
		11.15 – 12.35	Guest lecture On-Head and Cylinder bore arrangement Introduction	Mr.S.Karthik / AP
		01.30 – 03.10	Hands on - Assembly and dismantle of Head bore, fuel	Mr.B.Manickraj (External)

			injector, cam shaft, valves, Timing chain, spark plug, Carburetor	
		03.30 – 04.45	Guest Lecture On-Recent Trends in Automobile Engine & Troubleshooting	Mr.P.Dineshkumar / AP
5	Day 5 (10-02-23)	09.00 – 10.45	Guest lecture on-cam shaft, valves, Timing chain, spark plug, Carburetor	Dr.B.Gobalakrishnan / AP
		11.15 – 12.35	Guest Lecture On- cam shaft, valves, Timing chain, spark plug, Carburetor	Mr.B.Manickraj (External)
		01.30 – 03.10	Hands on Session-Assembly and Dismantle of Four stroke Engine	
		03.30 – 04.30		
		04.30-4.50	Valedictory Function Certificate Distribution	Dr.A.PasumponPandian / Dean R&D
		04.50-04.55	Vote of thanks	Mr.P.Dineshkumar / AP



 Co-Ordinators


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Department of Mechanical Engineering
Five Days Winter Workshop on "Dismantling and Assembly of 2-Stroke and 4-Stroke Petrol Engine"
Date & Time : 06-02-2023 to 10-02-2023 & 9.00 A.M to 5.00 P.M
Attendance Sheet

S.no	Year	Register Number	Name of the Participants	06-02-2023		07-02-2023		08-02-2023		09-02-2023		10-02-2023	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	IV	810719114001	DHANASEKARAN G	C. Dh	C. Dh	AB	C. Dh	C. Dh	C. Dh	C. Dh	C. Dh	C. Dh	C. Dh
2	IV	810719114002	HASHIM ASLAM M	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
3	IV	810719114005	MOHAMMAD REYAD S	Pran	Pran	Pran	AB	Pran	Pran	Pran	Pran	Pran	Pran
4	IV	810719114006	NAVANEETHA KRISHNAN R	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam
5	IV	810719114007	NELSON RAMKUMAR B	Nelson	Nelson	Nelson	Nelson	Nelson	Nelson	Nelson	Nelson	Nelson	Nelson
6	IV	810719114008	PARTHASARATHI N	Parth	Parth	Parth	Parth	Parth	Parth	Parth	Parth	Parth	Parth
7	IV	810719114009	SHAHID AFRIDI S	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid

Good! (HOD/MECH)

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S.no	Year	Register Number	Name of the Participants	06-02-2023		07-02-2023		08-02-2023		09-02-2023		10-02-2023	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
8	IV	810719114010	VAISHALI R	R. Vaish	R. Vaish	R. Vaish	R. Vaish	R. Vaish	R. Vaish	R. Vaish	R. Vaish	R. Vaish	R. Vaish
9	IV	810719114011	VENUKANTH S	Venukath	Venukath	Venukath	Venukath	Venukath	Venukath	Venukath	Venukath	Venukath	Venukath
10	IV	810719114301	SUGANKUMAR S	Sugankumar	Sugankumar	Sugankumar	Sugankumar	Sugankumar	Sugankumar	Sugankumar	Sugankumar	Sugankumar	Sugankumar
11	II	810721114001	AMEER AMSA M	Ameer	Ameer	Ameer	Ameer	Ameer	Ameer	Ameer	Ameer	Ameer	Ameer
12	II	810721114002	BARATH S	Barath	Barath	Barath	Barath	Barath	Barath	Barath	Barath	Barath	Barath
13	II	810721114003	BHARATHIRAJ A	Bharathiraj	Bharathiraj	Bharathiraj	Bharathiraj	Bharathiraj	Bharathiraj	Bharathiraj	Bharathiraj	Bharathiraj	Bharathiraj
14	II	810721114004	DINESH KUMAR S	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
15	II	810721114006	HARIHARAN K	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan
16	II	810721114011	SHEIK DAWOOD B	Sheik Dawood	Sheik Dawood	Sheik Dawood	Sheik Dawood	Sheik Dawood	Sheik Dawood	Sheik Dawood	Sheik Dawood	Sheik Dawood	Sheik Dawood

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S.no	Year	Register Number	Name of the Participants	06-02-2023		07-02-2023		08-02-2023		09-02-2023		10-02-2023
				FN	AN	FN	AN	FN	AN	FN	AN	
17	II	810721114012	SURAJ R	R.S.J	R.S.J	R.S.J	R.S.J	R.S.J	R.S.J	R.S.J	R.S.J	R.S.J
18	II	810721114013	SURYA A L	A.L.S	A.L.S	A.L.S	A.L.S	A.L.S	A.L.S	A.L.S	A.L.S	A.L.S
19	II	810721114014	VELLIYANGIRIN	V.V.	V.V.	V.V.	V.V.	V.V.	V.V.	V.V.	V.V.	V.V.
20	II	810721114301	ANISH JOVIN A	A.J	A.J	A.J	A.J	A.J	A.J	A.J	A.J	A.J
21	II	810721114302	ARTHI S	S.A	S.A	S.A	S.A	S.A	S.A	S.A	S.A	S.A
22	II	810721114303	BALAMURUGAN P	P.B	P.B	P.B	P.B	P.B	P.B	P.B	P.B	P.B
23	II	810721114304	BARANITHARAN R	R.B	R.B	R.B	R.B	R.B	R.B	R.B	R.B	R.B
24	II	810721114305	EDWID CLARANCE J	J.E	J.E	J.E	J.E	J.E	J.E	J.E	J.E	J.E
25	II	810721114306	GOWTHAM G	G.G	G.G	G.G	G.G	G.G	G.G	G.G	G.G	G.G

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S.no	Year	Register Number	Name of the Participants	06-02-2023		07-02-2023		08-02-2023		09-02-2023		10-02-2023	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
26	II	810721114308	KALIMUTHU K	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu	K. Kalimuthu
27	II	810721114309	MOHAMED HUMAYUN BASHA	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha	M. Humayun Basha
28	II	810721114310	MOHAN RAJ P	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj	P. Mohan Raj
29	II	810721114311	MUTHU KUMAR M	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar	M. Muthu Kumar
30	II	810721114312	NANDHA KUMAR P	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar	P. Nandha Kumar
31	II	810721114313	PARTHASARATHI T	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi	T. Parthasarathi
32	II	810721114314	PRAVEEN A	A. Praveen	A. Praveen	A. Praveen	A. Praveen	A. Praveen	A. Praveen	A. Praveen	A. Praveen	A. Praveen	A. Praveen
33	II	810721114315	RAMANAN D	D. Ramanan	D. Ramanan	D. Ramanan	D. Ramanan	D. Ramanan	D. Ramanan	D. Ramanan	D. Ramanan	D. Ramanan	D. Ramanan
34	II	810721114316	RICHARD EBINAZER J	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard	J. Ebinazer Richard

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S.no	Year	Register Number	Name of the Participants	06-02-2023		07-02-2023		08-02-2023		09-02-2023		10-02-2023	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
35	II	810721114317	RUBIN RAJ D	D.Bi	D.Bi	D.Bi	D.Bi	D.Bi	D.Bi	D.Bi	D.Bi	D.Bi	D.Bi
36	II	810721114318	SATHISH M	M. Sathish	M. Sathish	M. Sathish	M. Sathish	M. Sathish	M. Sathish	M. Sathish	M. Sathish	M. Sathish	M. Sathish
37	II	810721114319	SUDHARSAN A	A. Sudharsan	A. Sudharsan	A. Sudharsan	A. Sudharsan	A. Sudharsan	A. Sudharsan	A. Sudharsan	A. Sudharsan	A. Sudharsan	A. Sudharsan
38	II	810721114320	SUDHARSAN R	R. Sudharsan	R. Sudharsan	R. Sudharsan	R. Sudharsan	R. Sudharsan	R. Sudharsan	R. Sudharsan	R. Sudharsan	R. Sudharsan	R. Sudharsan
39	II	810721114321	TAMILVEL S	Tamilvel S	Tamilvel S	Tamilvel S	Tamilvel S	Tamilvel S	Tamilvel S	Tamilvel S	Tamilvel S	Tamilvel S	Tamilvel S
40	II	810721114322	THIRUMURUGAN P	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan	P. Thirumurugan
41	II	810721114323	VINOTHKUMAR L	L. Vinoth	L. Vinoth	L. Vinoth	L. Vinoth	L. Vinoth	L. Vinoth	L. Vinoth	L. Vinoth	L. Vinoth	L. Vinoth

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DEPARTMENT OF MECHANICAL ENGINEERING

Report on Value added Course-“Dismantling and Assembly of 2-Stroke & 4-Stroke Petrol Engines”

Venue: Thermal Engineering Laboratory

Date : 06-02-2023 to 10-02-2023

Time : 9.00 am to 5.00 pm

The Programme was organized by CARE College of Engineering and coordinated by Mr.P.Dineshkumar AP/MECH & Mr. S.Karthik AP/MECH of Mechanical Department in the year 2022-2023. This Stream was decided on the advice of Subject Faculty and Feedback received from past Year AY 2021-2022. About 41 Students from II and IV Year Mechanical Engineering Students actively participated in the Value added Courses.

Day-01 :

The programme began with the prayer song. Mr.S.Karthik AP/Mech delivered the welcome address. Dr.D.R.Rajkumar HOD/ MECH presided over the function and encouraged the students about the current technology used in this Automobile Field. Co-Ordinator Mr.P.Dineshkumar introduced the Chief Guest B.Manickraj, Proprietor, Annai Auto works. The Chief Guest inaugurated the function and gave confidence to the participants and brief about the current and future technology in this Field. After the Inaugurations, Our HOD Dr.D.R.Rajkumar gave his lecture on Introduction to Automobiles. After that hands on session taken by Mr.B.Manickraj (External Resource person). Finally, activity was conducted for students to Identify the real parts and place it in Pre-labeled areas within the time limit by Co-ordinator Mr.P.Dineshkumar, AP/MECH.

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Day-02 :

Day two began with a guest lecture on Various types of fuels, Engines, Brake systems and Car classification session taken by Mr.S.Karthik, AP/MECH. Session two was handled by Mr.M.Anthony Kingston, AP/MECH about Clutch and transmission assembly. Afternoon session was Hands-on session of Dismantle and Assembly of Two Stroke Engines which was handled by Resource Person

Day-03 :

On day three, Hands on session of four stroke engine by External Resource Person and then in second session he explained Dismantling and Assembly of clutch and Transmission assembly by practically. Mr.S.Maheshwaran, AP/MECH gave a presentation on crankshaft and Piston to the participants and AN Session. Last session was Hands-on session of Dismantle and Assembly of Two Stroke Engines by Mr.B.Manickraj.

Day-04 :

Fourth day, FN session 1 on crank and Piston arrangement handled by External Resource person Mr.B.Manickaraj. Session 2 was taken by Internal staff Mr.S.Karthik, AP/MECH on Head, Cylinder Bore arrangement. AN first session was handled by Resource Person Mr.B.Manik Raj, who dismantled the Head and Bore arrangement and students assembled the part . Last Session was discussed about the recent trends and troubleshooting in automobiles by Mr.P.Dineshkumar, AP/MECH.

Day-05 :

On the fifth day First session was taken by Dr.B.Gobalakrishnan about various parts in Head and its function in detail. Second session was carried out by the resource person on overhauling the 4 stroke engine. Afternoon Students were divided into 5 groups (A,B,C,D,E). Each group competes with each other in dismantling and assembling four stroke and two stroke engines in less time.

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Among them team C complete dismantling and assembling the engine by 17 mins and 20 seconds.

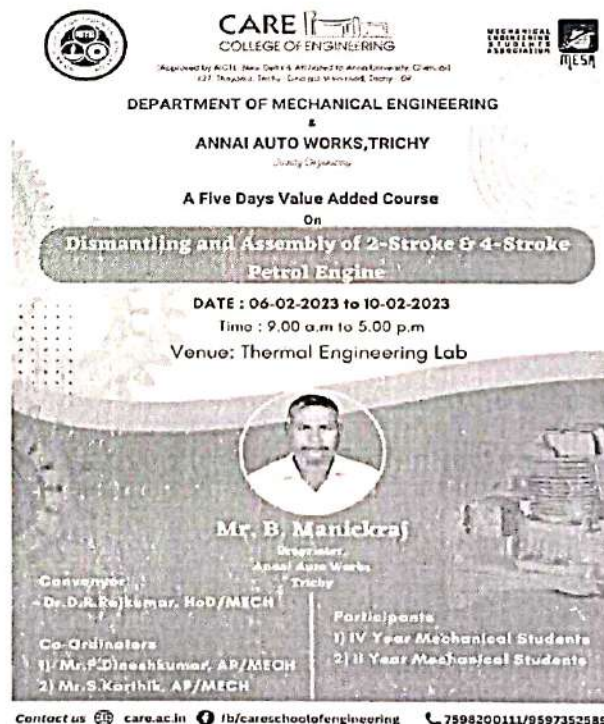
Valedictory Function:

At 4:30 pm, Dr.A.Pasumpon pandian, Dean R&D, presided over the Valedictory Function. HOD Dr.D.R.Rajkumar explains the Current and Future technology in automobiles to the students. Our Dean Dr.A.Pasumpon pandian Motivates students about the needs of automation and knowledge of I C Engines and Elective vehicles as well. Our Resource person remembered the important points from the 2 stroke and 4 stroke IC engines. Dean R&D congratulated the winners with a gift and certificate.

Certificates were distributed by the external resource person for other students also. Feedback form was collected from all the participants/students.

Finally Vote of thanks was given by the Coordinator Mr.P.Dineshkumar.

Enclosures:



The poster features the CARE College of Engineering logo at the top left, the Anna University logo at the top right, and the Mechanical Engineering Students Association (MESA) logo at the top right. The text on the poster reads: 'DEPARTMENT OF MECHANICAL ENGINEERING & ANNAI AUTO WORKS, TRICHY', 'A Five Days Value Added Course On Dismantling and Assembly of 2-Stroke & 4-Stroke Petrol Engine', 'DATE : 06-02-2023 to 10-02-2023', 'Time : 9.00 a.m to 5.00 p.m', 'Venue: Thermal Engineering Lab'. A portrait of Mr. B. Manickraj, Designer at Anai Auto Works, Trichy, is shown. The poster also lists the Convener (Dr. D.R. Rajkumar, HoD/MECH), Co-Ordinators (Mr. P. Dineshkumar, AP/MECH and Mr. S. Karthik, AP/MECH), and Participants (IV Year Mechanical Students and II Year Mechanical Students). Contact information is provided at the bottom: care.ac.in, fb/careschoolofengineering, and 7598200111/9597352589.

Fig. 1. Event Poster

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Fig. 2. Day 1 - Hands on Session-Two Stroke Engine-Dismantle



Fig. 3. Day 2 - Guest Lecture On-Clutch and Transmission Assembly

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Fig. 4. Day 3 - Hands on Session- Assembling of Transmission with crank and Piston arrangement handled by Mr.B.Manickraj



Fig. 5. Day 4 - Guest Lecture On-Recent Trends in Automobile Engine & Troubleshooting handled by Mr. P Dineshkumar, AP/MECH

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Fig. 6. Day 5 - Valedictory Function

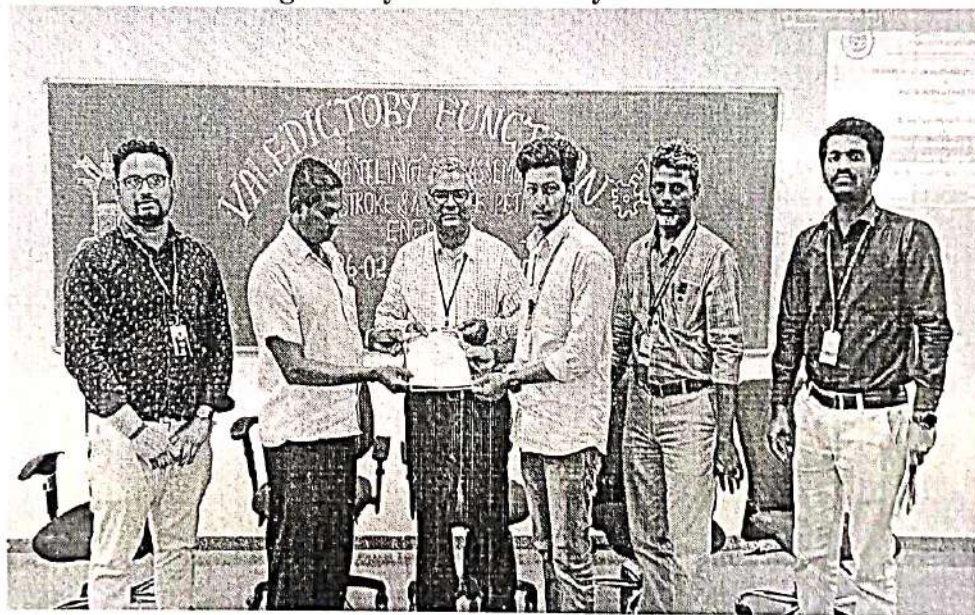


Fig. 7. Day 5 - Certificate Distribution

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Fig. 8. Feedback session



Fig. 9. Vote of Thanks by Mr. P Dineshkumar, AP/MECH


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16-02-23

Mechanical Engineering

Expenditure Details of Value Added Course

"Dismantling and Assembling of 2 & 4-Stroke Petrol Engines"

We have successfully organized a Value added Course from 06-02-23 to 10-02-23.

The expenditure details are as below:

S. No.	Particulars	Rate in Rs.	Bill No. & Date	Amount in Rs.
1	External Resource Person	Rs.2000 x 5 Days		10000
2	Internal Resource Person	Rs.750 x 8 Sessions		6000
3	Technical Assistant Remuneration	Rs.200 x 2 Nos		400
4	Old Pulsar Bike-180cc purchase	-	-	5000
5	Certificates	Rs. 12 x 53 Nos	30224 & 09-02-2023	636
6	Miscellaneous (i) Petrol, (ii) Gift - Chocolate	-	-	300
		TOTAL (A)		22336
	Amount collected as Registration fees Professional Development Fees from II Year (31 Nos X 500) - Professional Development Fees from IV Year (10 Nos. X 1000) -	Rs.15,500 & Rs.10,000		25500
	Net Balance (A-B)	TOTAL (B)		3164

16,400
Split-up
in the
next Pg

Note:

Kindly permit the following Tools to purchase (1.T spanners, 2. Funnel, 3. MS Ghamela) - Rs. 1000/-

Prof. Dev.
fee

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COORDINATORS

[Signature]
HoD/MECH

[Signature]
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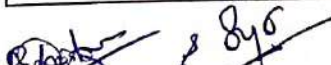
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27, Thayanur, Trichy – 620009
Mechanical Engineering

Expenditure Details of Value Added Course

We have successfully completed a Five Days Value Added Course from 06-02-23 to 10-02-23 on Dismantling and Assembling of 2 & 4-Stroke Petrol Engines.

Remuneration details of External and Internal Resource person as follows,

S.No	Name of the Resource Person	No. of sessions handled	Remuneration/ session	Remuneration in Rs.
1	B. Manickraj, Annai Auto Works, Trichy	32 (5 days)	Rs. 2000/Day	10,000
2	Dr.D.R.Rajkumar, HoD / MECH	1	Rs. 750/-	750
3	Mr.S.Karthik, AP / MECH	2	Rs. 750/-	1500
4	Dr.B.Gobalakrishnan, AP / MECH	1	Rs. 750/-	750
5	Mr..S.Maheswaran, AP / MECH	1	Rs. 750/-	750
6	Mr.P.Dineshkumar, AP / MECH	2	Rs. 750/-	1500
7	Mr.M.Anthony Kingston, AP / MECH	1	Rs. 750/-	750
8	Mr. M Xavier, Lab Technician		Rs. 100/-	100
9	Mr. D Dinesh, Lab Technician		Rs. 100/-	100
10	Mr. S Baskar, Lab Technician		Rs. 100/-	100
11	Mr.K Balakrishnan, Lab Technician		Rs. 100/-	100
Total				16400


COORDINATORS


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TIRUCHIRAPPALLI-620004 Tamil Nadu, India		

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NOMINATION : 26-MAR-2018
NOMINEE ID :
DATE OF REGN. : Not Registered
NOMINEE NAME :

AUTHORISED SIGNATORY

GSTIN: 33AIQPS9772D3ZM



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- Engineering
 Architecture
 MBA



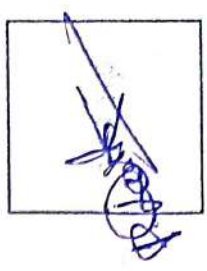
Date: 16/2/23

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towards Miscellaneous - (i) Petrol for Rs. 200/-
 (ii) Gift - Chocolate - Rs 100/-

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- Architecture
- MBA

G.NARAYANAN EDUCATIONAL TRUST GROUP OF INSTITUTIONS
 #27, Thayannur, Dindigul Road, Trichy - 620 009
 Ph: 0431 - 2690505 Email: contact@care.ac.in

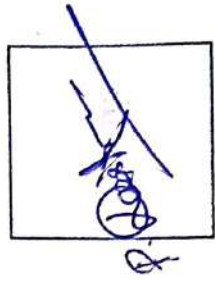
VOUCHER

No. _____ Date: ...18/2/23...

A/c Head: Value Added Course - Purchase.....
 Paid to Mr./Mrs/Ms. P. DINESH KUMAR, A.P./MESH.....
 the sum of Rupees Five Thousand rupees only.....
 towards Purchasing 6th Bajaj Pulsar 180 cc bike for.....

by Cash / *Cheque / DD / CC No. _____ Dated on : _____
 Bank / Branch

Handwritten signature and date: 18-2-23



RS. 5000/-

Issued by: _____ Verified by: _____ Authorized by: _____

CARE 
COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
#27, Thayanur, Dindigul road, Trichy - 09

Department Of Mechanical Engineering

In Association with

Annai Auto Works, Trichy

Certificate of Appreciation

This is to certify that

Mr. S KARTHIK

of Assistant Professor, Department of Mechanical Engineering,
CARE College of Engineering has successfully conducted a Five Days
Value Added Course on "Dismantling and Assembly of 2-Stroke &
4-Stroke Petrol Engines" from 06-02-2023 to 10-02-2023.

During the above said period, his conduct and character were good.

Mr.B.Manickraj

Proprieter
Annai Auto Works

Dr.D.R.Rajkumar

HoD/ Mechanical

Dr.S.Shanthi

Principal

CARE 
COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
#27, Thayanur, Dindigul road, Trichy - 09

Department Of Mechanical Engineering

In Association with

Annai Auto Works, Trichy

**CERTIFICATE
OF COMPLETION**

This is to certify that

of Lab Instructor, Department of Mechanical Engineering,

**CARE College of Engineering has actively completed a Five Days Professional
Development on "Dismantling and Assembly of 2-Stroke & 4-Stroke Petrol
Engines" from 06-02-2023 to 10-02-2023.**

During the above said period, his conduct and character were good.

Mr.B.Manickraj
Proprieter
Annai Auto Works

Mr.P.Dineshkumar
Mr.S.Karthik
Co-ordinators

Dr.D.R.Rajkumar
HoD/ Mechanical

Dr.S.Shanthi
Principal

CARE 
COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
#27, Thayanur, Dindigul road, Trichy - 09

Department Of Mechanical Engineering

In Association with

Annai Auto Works, Trichy

**CERTIFICATE
OF COMPLETION**

This is to certify that

of II / IV Year Mechanical Engineering, CARE College of Engineering has completed a Five Days Value Added Course on "Dismantling and Assembly of 2-Stroke & 4-Stroke Petrol Engines" from 06-02-2023 to 10-02-2023.

During the above said period, his/her conduct and character were good.

Mr.B.Manickraj
Proprietor
Annai Auto Works

Mr.P.Dineshkumar
Mr.S.Karthik
Co-ordinators

Dr.D.R.Rajkumar
HoD/ Mechanical

Dr.S.Shanthi
Principal



CARE College of Engineering

Department of Mechanical Engineering

**Proposal for
Two Weeks Software Training
on
SOLIDWORKS**

28th March 2022 to 13th April 2022

1. Program Information

Program title Software Training on Solidworks	Department: Mechanical Engineering
Skill Development of: 3D Modeling	Industry required those skills are: BMW, Airbus, Hyundai, Tata Motors, Ashok Leyland, M&M
Level of Course content: Intermittent	No. of internal resource person: Nil
Venue: CAD/CAM lab	No. of external resource person: 2
Pre-requisite: Auto CADD	Measurement of Learning: Oral/Plotting diagram/Making model etc..
Proposal by: Mr. P.Manivannan, AP/Mech,	Program Type: Software Training
Target Audience: Mechanical Engineering Students and faculty	Internal/External Participants: Internal
Program Duration and Timing 12 Days , 1.30 PM to 5.00 PM	Certification to be issued – Yes
How often this is planned in a year? One time	Course content to be distributed – Yes

2. Program Details

1. Description

SOLIDWORKS is used to design complex designs .It has a many tools for producing a new design, like surface modelling, part, assembly and Drawing.

Material

Yes

2. Resources to be used

Projector(s)	1
CAD/CAM lab	20 (Furniture, Electricity and Space only)

3. Attendees Benefit

Learning SOLIDWORKS will surely increase the chance of getting placement. 60% of the automotive companies implement the use of SOLIDWORKS in designing the innovative components of the car. Around 50-60% of the helicopter/civilian/commercial plane companies use SOLIDWORKS

4. How this aligns with Organization Objective/Vision

1. Helps students to solve real time problems by doing modeling using SOLIDWORKS.
2. Giving exposure to make proto type.

5. Budgeted Cost and Revenue

				Planned	Executed
Expenses	1	Initial Expenses, postal	Brochure	-	-
	2	Material Cost	Kit, Certificate	-	-
			Course Materials	-	-
			Materials for activity	-	-
	3	Resources cost (Rs. 1500/external resource person/Session Rs. 750/internal resource person/Session)	24x1250	30000	30000
	4	High Tea (FN, AN & Evening) Only for external participants		180	180
		Accommodation		-	-
	5	Flex		-	-
	6	Transport charges		-	-
	7	Buffer cost		-	-
	8	Total Expense (1+2+3+4+5+6+7)	Grand Total	30180	30180
Revenue	9	No of Expected Attendees	Internal	25	20
			External		
	10	Proposed Charges		2500	2500
	11	Sponsorship			
	12	Total Income ((9*10)+11)		62500	50000
Total	13	Profit (12-8)		32320	19820

5. Advance Amount

Advance amount Rs. 10,000 is required for releasing to the Training Institute IAFC, Trichy.

6. Session wise Course Content:

Day	Afternoon First Session	Afternoon (Second Session)
	1.30 pm to 3.00 pm	3.30 to 5.00 pm
1	INTRODUCTION TO SOLIDWORKS Sketch, Line, Circle, Rectangle, Arc, Slot, Polygon, spline, Ellipse, Fillet, Chamfer, Text, Trim, Offset, Mirror, Patterns, Move, Copy, Rotate, Scale, Stretch, Dimension, Practice section	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
2	Extruded, Extruded cut, Revolved, Revolved cut	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
3	Fillet, Chamfer, Rib, Draft, Shell, Wrap	Hands-on Practice with technical drawings
	Mr.G.Prabanjan, IAFC Trichy	Mr.G.Prabanjan, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
4	Swept, Swept cut, Lofted, Lofted cut	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
5	Mounting boss, Snap hook, Vent, Scale, Dome	Hands-on Practice with technical drawings
	Mr.G.Prabanjan, IAFC Trichy	Mr.G.Prabanjan, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
6	Freeform, Deform drawing	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
7	Flex Drawing	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
8	Assembly	Hands-on Practice with technical drawings
	Mr.G.Prabanjan, IAFC Trichy	Mr.G.Prabanjan, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
9	Drawing	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
10	Surface Modelling	Hands-on Practice with technical drawings
	Mr.G.Prabanjan, IAFC Trichy	Mr.G.Prabanjan, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
11	Sheetmetal	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration
12	Rendering, Final project	Hands-on Practice with technical drawings
	Mr. D. Gopinath, IAFC Trichy	Mr. D. Gopinath, IAFC Trichy
	Explaining Commands with real time applications with demo	Live demonstration

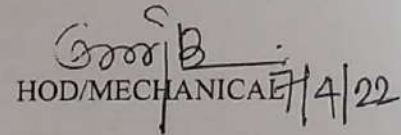
7. Model

The program is delivered using internal and external resources which is part of the cost. The content and method of delivery are discussed in department.



Program coordinator

Mr.P.Manivannan, AP/Mech



HOD/MECHANICAL 7/4/22

Dr.D.R.Rajkumar

Two Weeks Software Training on Solid works

Organized by

Department of Mechanical Engineering

From 28/03/22 to 13/04/22

STATEMENT OF EXPENDITURE

S. No.	Income		Expenses	
	Credit	Amount in Rs.	Debit	Amount in Rs.
	Registration fee for student	50000	Flex	-
	Registration fee of staff	-	Marker Pen	-
	Sponsorship	-	Certificate	-
			High Tea	180
			Honorarium	30000
			Lunch	-
			Transport charge	-
	Total(I)	50000	Total(E)	30180

Profit = 50000-30180

= 19820 /-

Signature of Coordinator

Mr.P.Manivannan, AP/Mech

Signature of HoD

Dr.D.R.Rajkumar

Rs. 30,000/- to the resource person (IAFC Training Inst. Trichy)

Rs. 10,000/- can be released today (7.4.22) as Advance.

Balance Rs. 20,000/- to be released today (18.4.22)

J. Dhany 7.4.22

J. Dhany 18.4.22

Role of Coordinator & Participants

Coordinator:

1. Coordinator is eligible to attend conference/Seminar/Workshop/Industrial Visit/Meeting worth of maximum Rs.5000/program (which will be split according to duration of the program) as a registration fee alone.
2. If more than one coordinator involved in the program, Rs.5000 will be split according to number of coordinator to attend conference/Seminar/Workshop/Industrial Visit/Meeting as registration fee.
3. Budgeting, promotion and successful conduction of the event is responsible of coordinator.
4. If sufficient registration is not met, the program will be cancelled.
5. Content of the program and method of delivery has to discussed in the department.
6. For training programme high tea and lunch for internal participants need not to be included.
7. The honorarium for external resource person is Rs.1250/session which has to be incorporated in the budget. If it goes higher justification has to be given.
8. The Income which is generated will be shared at 60% to the training institute IAFC, Trichy and 40% to CARE College of Engineering.

Students:

1. 100% attendance is mandatory to receive participant certificate
2. After successful completion of the programme the participant certificates will be issued.
3. Students can attend same or other department program
4. Students are allowed to attend only one Training Programme in a Semester.

ACC Details:

Name: D GOPINATH

AC NO: ~~312635233939~~ 31263523339

IFSC CODE: SBIN0000930



ISO 9001, ISO 14001 & OHSAS 18001 CERTIFIED



IAFCTM

INDUSTRIAL APPLICATIONS FOR CADD



9001:2015

On ISO 9001 : 2015 Certified Institute

On ISO 27001 : 2013 Certified Institute

No.7,2nd Floor,Periyasamy Tower,Chathiram Bus Stand,

Trichy - 620 002. Ph : 0431-4002802,Cell : 98424 88828 , 98424 33384

QUOTATION

Date : 05/03/2022

Request for Quotation

Request for Training

Quotation number: IAFC040323

S.NO	DESCRIPTION	NO OF STUDENTS	FEES (per student)
1	In IAFC training for SOLIDWORKS for 2 weeks. (The quotation must include the followings: Certificate and E-books will provide to the students at the end of the course.)	25	2500

SYLLABUS

SOLIDWORKS:

- Introduction
- Sketch
- Part
- Solid
- Surface
- Sheet
- Assembly
- Drawing
- Rendering
- Project

“Our mission is to provide the students in depth knowledge of the course for the better future”

Signature

Department of Mechanical Engineering
organizing

**Two Weeks Software Training
on
Solidworks**

Outcome of the programme

- **Basic Part Modelling**
- **Assembly Modelling**
- **Revolves & Sweep**
- **Editing Errors and Design Change**
- **Multibody part Design**

Resource Person
Mr. D. Gopinath,
Managing Director,
IAFC, Trichy

Co-ordinators

Mr. P. Manivannan,
AP/Mechanical,
CARE College of Engineering

Mr. S Karthik,
AP/Mechanical
CARE College of Engineering

Dr. D R Rajkumar,
HoD/Mechanical
CARE College of Engineering

Date : 28-03-2022 to 09-04-2022
Time : 01.30 pm to 05.00 pm
Venue : CAD/CAM Laboratory

Who can attend ?

**III year & IV Year
Mechanical Engineering
Students**

CARE

COLLEGE OF ENGINEERING

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

27, Thayanur, Trichy - 620009


SOFTWARE TRAINING ON SOLIDWORKS- RECORD

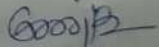
Participants' Attendance

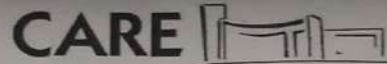
Details of Students

S. No.	Name of the Participants	Reg. No.	28/3/22	29/3/22	30/3/22	31/3/22	1/4/22	4/4/22
1	Deepakkumar M	810718114002	AB	AB	M. D. S.	M. D. S.	M. D. S.	M. D. S.
2	Dhanush V	810718114003	AB	AB	AB	AB	AB	AB
3	Gokulnath N	810718114004	N. Gokulnath	N. Gokulnath	N. Gokulnath	N. Gokulnath	N. Gokulnath	N. Gokulnath
4	Gokulram M	810718114005	gokulram	gokulram	gokulram	gokulram	gokulram	gokulram
5	Hemanth Raj PK	810718114006	H. Raj	H. Raj	H. Raj	AB	H. Raj	H. Raj
6	Saminathan P	810718114007	AB	AB	AB	AB	AB	AB
7	Surya K	810718114008	T. Surya	T. Surya	T. Surya	T. Surya	T. Surya	T. Surya
8	Thiruppathi P	810718114009	AB	AB	AB	AB	AB	AB
9	Vijayabalan K	810718114010	AB	AB	V. Vijayabalan	V. Vijayabalan	V. Vijayabalan	V. Vijayabalan
10	Akash M	810718114301	AB	A. M	A. M	A. M	AB	A. M
11	Dharmaraj P	810718114302	AB	AB	P. Dharmaraj	P. Dharmaraj	AB	P. Dharmaraj
12	Loganathan S	810718114303	AB	AB	AB	AB	AB	AB
13	Manicka Karthick C	810718114305	AB	M. Karthick	M. Karthick	AB	M. Karthick	M. Karthick

14	Subash M	810718114002	AB	AB	AB	AB	AB	AB
15	Harish Natarajan K	810718114701	K. Harish	K. Harish	K. Harish	K. Harish	K. Harish	K. Harish
16	Dhanasekaran G	810719114001	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran
17	Hashim Aslam M	810719114002	M. Hashim	M. Hashim	M. Hashim	M. Hashim	M. Hashim	M. Hashim
18	Mohammad Reyad S	810719114005	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad
19	Navaneetha Krishnan R	810719114006	R. Navaneetha	R. Navaneetha	R. Navaneetha	R. Navaneetha	R. Navaneetha	A-B
20	Nelson Ramkumar B	810719114007	B. Nelson Ramkumar	B. Nelson Ramkumar	B. Nelson Ramkumar	B. Nelson Ramkumar	B. Nelson Ramkumar	B. Nelson Ramkumar
21	Parthasarathi N	810719114008	N. Parthasarathi	N. Parthasarathi	N. Parthasarathi	N. Parthasarathi	AB	N. Parthasarathi
22	Shahid Afridi S	810719114009	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi
23	Vaishali R	810719114010	R. Vaishali	R. Vaishali	R. Vaishali	AB	R. Vaishali	R. Vaishali
24	Venukanth S	810719114011	S. Venukanth	S. Venukanth	S. Venukanth	S. Venukanth	S. Venukanth	S. Venukanth
25	Sugan kumar.S	810719114301	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar
26	Gangatharan P	P. Gangatharan	P. Gangatharan	AB	AB	AB	P. Gangatharan	P. Gangatharan
27	Mr.S.Karthik	AP/MECH	S. Karthik	S. Karthik	S. Karthik	S. Karthik	S. Karthik	S. Karthik
28	Dr.B.Gobalakrishnan							


 Mr.P.Manivannan, AP/Mech
 Programme Co-Ordinator


 Dr.D.R.Rajkumar
 HOD/Mechanical



CARE COLLEGE OF ENGINEERING

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

27, Thayanur, Trichy - 620009

SOFTWARE TRAINING ON SOLIDWORKS- RECORD

Participants' Attendance

Details of Students

S. No.	Name of the Participants	Reg. No.	06/4/22	7/4/22	9/4/22	11/4/22	12/4/22	13/4/22
1	Deepakkumar M	810718114002	M. D. M.	M. D. M.	M. D. M.	AB	M. D. M.	M. D. M.
2	Dhanush V	810718114003	AB	AB	AB	AB	AB	AB
3	Gokulnath N	810718114004	N. Gokulnath	N. Gokulnath	N. Gokulnath	N. Gokulnath	N. Gokulnath	AB
4	Gokulram M	810718114005	Gokulram	Gokulram	Gokulram	Gokulram	Gokulram	AB
5	Hemanth Raj PK	810718114006	H. Raj	H. Raj	H. Raj	H. Raj	H. Raj	H. Raj
6	Saminathan P	810718114007	AB	AB	AB	AB	AB	AB
7	Surya K	810718114008	S. K	S. K	S. K	AB	AB	AB
8	Thiruppathi P	810718114009	AB	AB	AB	AB	AB	AB
9	Vijayabalan K	810718114010	V. Balan	AB	AB	V. Balan	V. Balan	V. Balan
10	Akash M	810718114301	A. M	A. M	AB	A. M	A. M	AB
11	Dharmaraj P	810718114302	AB	P. D	AB	P. D	P. D	AB
12	Loganathan S	810718114303	AB	AB	AB	AB	AB	AB
13	Manicka Karthick C	810718114305	M. Karthick	M. Karthick	M. Karthick	M. Karthick	M. Karthick	M. Karthick

14	Subash M	810718114002	AB	AB	AB	AB	AB	AB
15	Harish Natarajan K	810718114701	K. Harish	K. Harish	K. Harish	K. Harish	K. Harish	K. Harish
16	Dhanasekaran G	810719114001	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran	G. Dhanasekaran
17	Hashim Aslam M	810719114002	M. Aslam	M. Aslam	M. Aslam	M. Aslam	M. Aslam	M. Aslam
18	Mohammad Reyad S	810719114005	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad	S. Mohammad Reyad
19	Navaneetha Krishnan R	810719114006	R. Navaneetha	R. Navaneetha	R. Navaneetha	R. Navaneetha	R. Navaneetha	R. Navaneetha
20	Nelson Ramkumar B	810719114007	B. Nelson Ramkumar	B. Nelson Ramkumar	B. Nelson Ramkumar	B. Nelson Ramkumar	B. Nelson Ramkumar	AB
21	Parthasarathi N	810719114008	N. Parthasarathi	N. Parthasarathi	N. Parthasarathi	N. Parthasarathi	N. Parthasarathi	N. Parthasarathi
22	Shahid Afridi S	810719114009	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi	S. Shahid Afridi
23	Vaishali R	810719114010	R. Vaishali	R. Vaishali	R. Vaishali	R. Vaishali	R. Vaishali	R. Vaishali
24	Venukanth.S	810719114011	V. Venukanth	V. Venukanth	V. Venukanth	V. Venukanth	AB	AB
25	Sugan kumar.S	810719114301	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar	S. Sugan Kumar
26	Gangatharan P	PG Scholar	P. Gangatharan	P. Gangatharan	P. Gangatharan	P. Gangatharan	P. Gangatharan	P. Gangatharan
27	Mr.S.Karthik	AP/MECH	S. Karthik	S. Karthik	S. Karthik	S. Karthik	S. Karthik	S. Karthik
28	Dr.B.Gobalakrishnan	AP/MECH	B. Gobalakrishnan	B. Gobalakrishnan	B. Gobalakrishnan	B. Gobalakrishnan	B. Gobalakrishnan	B. Gobalakrishnan

Mr.P.Manivannan, AP/Mech
Programme Co-Ordinator

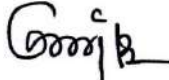
Dr.D.R.Rajkumar
HOD/Mechanical

**Report on “TWO WEEKS TRAINING PROGRAMME ON
SOLIDWORKS”**

Venue:CAD/CAM Laboratory **Date:**28/03/22 to 13/04/22 **Time:**01.30 am -05.00pm

The Programme was organized by CARE College of Engineering and coordinated by Mr.P.Manivannan AP/Mechanical & Mr.S.Karthik. Mr.D.Gopinath and Mr.S.Haribraba from IAFC, Trichy are the Guest speakers for the programme. The HOD and Faculty members of Mechanical Engineering of Care college of Engineering supported this programme. About 20 Participants from our College participated in the TWO WEEKS TRAINING PROGRAMME ON SOLIDWORKS. After the two weeks, the programme came to an end with the valediction programme. The programme began with a welcome address by Mr.P.Manivannan. Dr.S.Shanthi presided over the function and encouraged the students about the current technology. Dr. D.R. Rajkumar HOD/Mechanical felicitated over the function and gave confidence to the participants and brief about the current and future technology. After the Inaugurations Mr.P K Hemanthraj and Mr.K Harish Natarajan gave the brief overview on two weeks training programme on solidworks. Finally, the certificates were distributed by the Principal to the participants. Feedback form was collected from all the participants.

Vote of thanks was delivered by Mr.S.Karthik AP/Mechanical. The TWO WEEKS TRAINING PROGRAMME ON SOLIDWORKS” came to an end with the National Anthem.



HoD/MECH

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009



Event Photos



सत्यमेव जयते

सूक्ष्म लघु और मध्यम उद्यम मन्त्रालय

Certificate

ISMS No : ISMS-XIX-08-6387

NACE : M-80-42

ISO No : QMS-XIX-08-638

AIAO-BAR-0305131

Govt.Reg.No : TN27D0017210

IAFCTM

INDUSTRIAL APPLICATIONS FOR CADD

The Academic council of IAFC is pleased to certify that

Mr/Ms GOKULNATH N

Aadhar.No : 5587 1218 8071 has successfully

cleared the assessment for the course titled _____

SOLIDWORKS

of 120hrs Duration and is thus awarded the Certificate

Issued under our Seal on 12.04.2022 with 'A+' Grade

We have been assessed and found to operate in compliance and meets the requirement of following standardes



AMERICAN INTERNATIONAL ACCREDITATION

Authorised Signatory

Our authorization remains the properties of American International Accreditation organization -Bureau of Accredited registrars (AIAO-BAR) and World Registrar Group certification



सत्यमेव जयते

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय

Certificate

ISMS No : ISMS-XIX-08-6387

NACE : M-80-42

ISO No : QMS-XIX-08-638

AIAO-BAR-0305131

Govt.Reg.No : TN27D0017210

IAFCTM

INDUSTRIAL APPLICATIONS FOR CADD

The Academic council of IAFC is pleased to certify that

Mr/Ms VIJAYABALAN K

Aadhar.No : 9867 0029 5051 has successfully

cleared the assessment for the course titled _____

SOLIDWORKS

of 120hrs Duration and is thus awarded the Certificate

Issued under our Seal on 12.04.2022 with 'A+' Grade

We have been assessed and found to operate in compliance and meets the requirement of following standardes



AMERICAN INTERNATIONAL ACCREDITATION

Authorised Signatory

Our authorization remains the properties of American International Accreditation organization -Bureau of Accredited registrars (AIAO-BAR) and World Registrar Group certification



(Approved by AICTE, New Delhi Affiliated to Anna University, Chennai)
27, THAYANUR, TRICHY-620009

REPORT OF
Value Added Course

on

MVA015- MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING

Date

03.01.2023 to 07.01.2023

Venue

MANUFACTURING TECHNOLOGY LABORATORY
DEPARTMENT OF MECHANICAL ENGINEERING,
CARE COLLEGE OF ENGINEERING
TRICHY - 620009

Coordinated By

Mr. S. Maheshwaran/AP

&

Dr. B. Gobalakrishnan/AP

Introduction about the Goodwin Motors:

Goodwin Motors has been a pioneer in Automobile and Refrigeration & Air Conditioning Practical Training. They have trained more than 1000 B.E graduate Students in the last 6 months. They are conducting various technical training sessions such as Internship, Value Added Course, Workshop (Hands on Training) and Projects. Web address: <https://www.goodwinmotors.org/index.html>



GOODWIN MOTORS
 Govt. Authorised Skill Development Centre
 Skill Training Partner – BMW SKILLNEXT Initiative
 +91 9884607490

Nsim
 National Skill India Mission

Home About Us Important Clients Internship Online Registration Pricing Contact GH HOME CARE



GOODWIN MOTORS

From: skillnext@bmw.in
Sent: 11 June 2018 15:26
To: goodwinmotors@gmail.com
Subject: Confirmation: [BMW SKILLNEXT]>> technical skilling initiative Logistics Form .xlsx, SKILLNEXT Undertaking.pdf

Dear Sir / Ma'am,

It is a pleasure to confirm that Goodwin Motors has been shortlisted for BMW SKILLNEXT -> technical skilling initiative. As part of the initiative, a state-of-the-art BMW engine and transmission unit will be provided at no cost to your institute for learning purposes. We request you to submit the following documents at the earliest to enable the delivery process.

Document	Last date of submission	Send to
Logistics Form (soft copy)	15 June 2018	skillnext@bmw.in
Undertaking (hard copy)	30 June 2018	SKILLNEXT@BMW-Group-India BMW Group India DLF Cyber City, Phase II Building No. 8, Tower B, 7th Floor Gurgaon 122002 Tel. : +91 124 4558 806

Please note that the undertaking should be printed on the Institute's letterhead, signed and stamped by the authorized personnel. The BMW engine and transmission unit will be delivered to your campus at no cost before the end of 2018. Our team will get in touch with you later regarding the delivery.

Also, post-handover, a Train the Trainer module will be devised for institutes where 40 Aftersales Master Technicians will conduct extensive workshops at BMW dealerships in more than 20 cities. The module has been devised by professional trainers from BMW Group India Training Centre and BMW Group Plant Chennai. The workshops will be a combination of classroom sessions and hands-on practical sessions using detailed training materials. We will contact you at the time a workshop is being conducted near your institute.

We look forward to connecting with you.

Regards,

BMW OFFICIAL SKILL TRAINING PARTNER

Nsim NATIONAL SKILL INDIA MISSION

BHARAT SEVAK SAMAJ,
 NATIONAL DEVELOPMENT AGENCY,
 PROMOTED BY GOVERNMENT OF INDIA
 SKILL BHAVAN, DIAMOND HILL, VELLAYAMBALAM
 THELVANANTHAPURAM - 10, KERALA, SOUTH INDIA

AUTHORISED SKILL TRAINING AND TESTING CENTRE

Slr Num-TA/C-11

This is to certify that Goodwin Motors, Flat -K, Eminent Karthik Apts, Meenambal Cross Street, West Tambaram, Chennai - 600045, Tamilnadu is an Authorised Skill Training and Testing centre of National Skill India Mission, for Automobile Skill. Valid till 31.06.2019.

Director (Admin)
 Nsim

Director (Assessment)
 Nsim

Date: 27.06.2018

GOVT OF INDIA RECOGNISED INSTITUTION

Resource Person:

Mr. P. Xavier Jaganathan (Specialized in Automotive and R & AC)

Mr. Saravanavel, (Specialized in Automotive and R & AC)

Dr. D.R. Rajkumar, HOD/ Mechanical Engineering

Dr. B. Gobalakrishnan, AP/ Mechanical Engineering

Mr. P. Dineshkumar, AP/ Mechanical Engineering

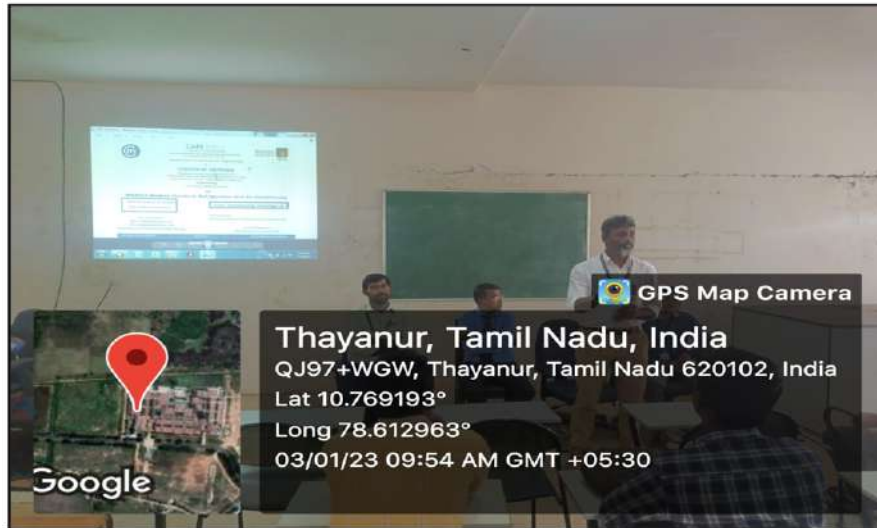
List of Participants - Students and supporting staffs from Mechanical Engineering

S. No.	Reg. No.	Student Name/SUPPO
1	810720114002	Joe Berlin B
2	810720114003	Karthikeyan R
3	810720114004	Madeshwaran P
4	810720114007	Naresh Prabhu P
5	810720114008	Pristan Rajkumar A
6	810720114009	Rooban K
7	810720114301	Alfahath N
8	810720114302	Hariharan S
9	810720114303	Hariram T
10	810720114305	Karthikraj N
11	810720114307	Madhavan A
12	810720114309	Prabakaran S
13	810720114310	Pudin Antony A H
14	810720114311	Ragul Raja S
15	810720114312	Ragunath P
16	810720114313	Rayon Mathews R
17	810720114314	Rishikumar S
18	810720114316	Thanush M
19	810720114317	Udhayanithi K
20	TA / Mech	Mr. M. Xavier
21	TA / Mech	Mr. S. Baskaran
22	TA / Mech	Mr. K. Balakrishnan
23	TA / Mech	Mr. D. Dinesh

The Value Added Course (VAC) on “**MVA015 - Modern Trends in Refrigeration and Air Conditioning**” was organized by the Department of Mechanical Engineering from 03rd January 2023 to 07th January 2023. Totally Nineteen students out of which fifteen Mechanical Engineering students from 3rd year, and four Supporting staff of Mechanical Engineering were actively participated in the VAC course. The program was inaugurated by the Head of the Department of Mechanical Engineering on 3rd January 2023 around 9.30 AM. The Resource Persons Mr. P. Xavier Jaganathan & Mr. Saravanel from Goodwin Motors have covered 75% of the syllabus such as Introduction to R & AC, Thermodynamics Cycle, Types of R & AC system, Indoor AC, Split AC, Automotive AC, Troubleshooting and related practical sessions. The remaining 25% syllabus (Necessity for cold Storage, Construction and Maintenance, Environmental effect of refrigerants, Observation of reading from R & AC test rig system and Load Calculations) were covered by the internal faculties (Dr. D.R. Rajkumar, HOD, Dr. B. Gobalakrishnan, AP & Mr. P. Dineshkumar AP Mechanical Engineering). The program was successfully completed on 07th January 2023 evening around 5.00 PM with a valedictory function and certificates distribution.

The third year Students and supporting staff of the Mechanical Engineering department got benefited through this session. The participants gave good feedback about the resource persons and content of the program.

Encl: Some of the glimpses of the session.



The VAC Inaugural session



Practical Demonstration of Brazing of Copper tubes



Practical Demonstration of AC Outdoor unit dismantling



Explanation about the Inverter AC circuit connection



Practical Demonstration on assembling of Split AC unit



Practical Demonstration on Car AC unit



Practical session to find the performance of Air Conditioning test rig



VAC Certificates distribution



Participants group photo

By this VAC our students learnt:

- About Refrigeration and Air conditioning
- About Types of refrigeration gasses
- About Refrigeration components
- About Brazing and its Methods, needs and purpose
- Difference between Welding and Brazing
- About R22 and R134a gas
- Working of Refrigeration system and Capillary tube
- Purpose and Working of Condenser, Compressor Capillary tube and Evaporator
- Practical method of refilling of gasses
- Purpose of vacuuming before refilling
- About Air Conditioning and Expansion Valve
- Types of Air Conditioning
- Need for Air Conditioning and effects of AC
- Dismantling and assembling of outdoor unit of split AC
- How clean and Maintain the Air Conditioning system
- About Inverter AC and normal AC
- About PCB unit of Air Conditioning system
- Dismantle and Assembling of Indoor unit of Air Conditioning
- About Air Conditioning system in automobiles
- About Brushless DC Motor
- Practical Session - Observation of Readings from Air Conditioning Unit

- Calculate the COP, Tonne of Refrigeration and Plant Efficiency.
- About cold storage system
- Method of cold storage system
- Purpose and Advantages of cold storage system
- Effects of cold storage system and Environmental effect of refrigerants



COLLEGE OF ENGINEERING

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

27, Thayanur, Trichy - 620009

Department of Mechanical Engineering

Value Added Course
on

MVA015- Modern Trends in Refrigeration and Air Conditioning

Attendance Sheet

S.No	Reg. No.	Name of the Participants	Signature							
			03.01.23	04.01.23	05.01.23	06.01.23	07.01.23			
1	810720114002	Joe Berlin B	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
2	810720114003	Karthikeyan R	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
3	810720114004	Madeshwaran P	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
4	810720114007	Naresh Prabhu P	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
5	810720114008	Pristan Rajkumar A	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
6	810720114009	Rooban K	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
7	810720114301	Alfahath N	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
8	810720114302	Harithan S	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
9	810720114303	Harirani T	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
10	810720114305	Karthikraj N	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
11	810720114307	Madhavan A	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
12	810720114309	Prabakaran S	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
13	810720114310	Pudin Antony A H	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
14	810720114311	Ragul Raja S	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →

CARE

COLLEGE OF ENGINEERING

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

27, Thayanur, Trichy - 620009

15	810720114312	Ragunath P	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
16	810720114313	Rayon Mathews R	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
17	810720114314	Rishikumar S	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
18	810720114316	Thanush M	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
19	810720114317	Udhayanithi K	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
Lab Instructors																			
1		Mr. Xavier, M	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN
2		Mr. Baskaran . S	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN
3		Mr. Dinesh . D	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN
4		Mr. Balakrishnan . K	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN

Coordinators

HOD / Mechanical

Principal

Conclusion:

The VAC on MVA015-Modern Trends in Refrigeration and Air Conditioning, conducted by the Department of Mechanical Engineering was very informative. The expert person has graced the occasion with their presence. The students and faculties benefitted through these 5 days VAC program. The participants gave good feedback about the resource persons and content of the program.



(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009

Department of Mechanical Engineering

A

Report

On

MVA015-Modern Trends in Refrigeration and Air Conditioning

(Value Added Course)

Submitted By

Name:	Madhavan A
Register Number:	810720114307
Year/Sem:	III rd Year / VI th Sem
Department:	BE - Mechanical Engineering
College Code & Name:	8107 - CARE College of Engineering



(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009

Department of Mechanical Engineering

Learning Outcome:

Day1:-

FN Session:

- 1) A brief Indian history about the usage of R & AC
- 2) Types of Refrigeration Gasses and Characterization of R - 134 a refrigerant
- 3) What's Crisper & Freezer and its works.
- 4) Important parts of R & AC such as Compressor, Condenser Capillary Tube & Evaporator and its working.

AN Session:

- 5) Practical session about Refrigeration Working.
- 6) Practical session about the joining of two Copper tubes using Brazing operation.
- 7) Different Brazing Tools and their applications.
- 8) How to fill the Refrigeration Gas in Refrigerator.
- 10) Description of Freezer Box with real model.

Day 2:-

FN Session:

- 1) The working of Vapour Compression Refrigeration (VCR) and Vapour Absorption Refrigeration (VAR) systems.
- 2) Refrigerator Different type & Different Type of Application Learned.
- 3) How to Remove Refrigeration Gas- Learned through Animation Video.

AN Session:

- 4) Learned practically the Chambering Operations and its application R& AC field.
- 5) Different types of Chambering Tools and its applications.
- 6) Usage of Magnetic doors in Refrigeration.



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Department of Mechanical Engineering

Day 3:-

FN Session:

- 1) Working of Air Conditioning system with PPT & Animated Video
- 2) Major Differences Between R & AC Systems.
- 3) No. of motors used in R & AC systems. Refrigerator - 1 motor & Air Conditioner - 5 Motor.

AN Session:

- 4) Practically learned about the No. of motors used for the R & AC system and its various types, capacities and applications.
- 5) Mantling and dismantling of AC Indoor & Outdoor units
- 6) Practically learned about the AC Air Filter Cleaning and its Maintenance.

Day 4:-

FN Session:

- 1) Types of Air conditioning systems used in Aircraft, Ship and Railway Carriages.
- 2) Power Consumption AC unit and How to reduce the power consumption, Tricks & Tips are Learned.
- 3) Learn about the AC Types such as SPLIT AC & Window AC and its Working & Application.

AN Session:

- 4) Practically learned about the Domestic Air conditioning Car AC circuit.
- 5) Function demo of AC magnetic clutch, Car AC blower unit, evaporator coil unit.
- 6) Practically learned about the Domestic Air conditioning, Condenser and radiator function in cars and its various control systems.



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Department of Mechanical Engineering

Day 5:-

FN Session:

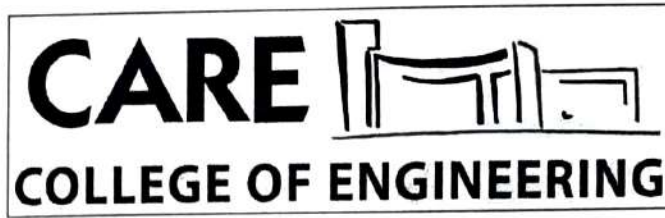
- 1) Practical demonstration on Refrigeration system and its Troubleshooting.
- 2) Practically Observed the readings from the Air Conditioning Unit.
- 2) Calculate the Coefficient of Performance (COP), Tonne of Refrigeration and Plant Efficiency.

AN Session:

- 3) Learned about the Environmental effect of various refrigerants.
- 4) Learned about how to reduce Environmental Impact.
- 5) Activity - Making of Prototype of Refrigerator using Sheets.

Conclusion:

The VAC on MVA015-Modern Trends in Refrigeration and Air Conditioning, conducted by the Department of Mechanical Engineering was very informative. The expert person has graced the occasion with their presence. The students and faculties benefitted through this 5 days VAC program. I wish to convey my heartiest thanks to the Head of the Department, Coordinators, faculties and supporting staff of Mechanical Engineering.



(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy - 620009

Date: 10.01.2023

From:

Mr. S. Maheshwaran,
Dr. B. Gobalakrishnan,
VAC Coordinators,
Department of Mechanical Engineering,
CARE College of Engineering,
Trichy -620009.

To

The Principal,
CARE College of Engineering,
Trichy - 620009.

Through:

The Head,
Department of Mechanical Engineering,

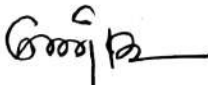
Respected Madam,



Sub: Requisition to release the remuneration for the VAC on MVA015- Modern Trends in Refrigeration and Air Conditioning - Reg.,

It is herewith brought to your kind attention that we have successfully conducted the Value Added Course on MVA015- Modern Trends in Refrigeration and Air Conditioning from 03-01-2023 to 07-01-2023. The resource persons from Goodwin Motors, Chennai have covered 75% of the syllabus and the internal faculties covered the remaining 25%. The students benefited through these 5 days. In this connection, we request you to kindly release the remuneration for the VAC program. Herewith we have enclosed the invoice and detailed expenditure for your kind notification.

Thanking you,

Yours Sincerely,


HOD/MECH.

1.  10/01/23
2.  10/01/23
Mr. S. Maheshwaran,
Dr. B. Gobalakrishnan.


11.1.23-

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.


Refer Budget -

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009

Department of Mechanical Engineering

Expenditure Details of Value Added Course on MVA015- Modern Trends in Refrigeration and Air Conditioning

We have successfully organized Value Added Course on MVA015- Modern Trends in Refrigeration and Air Conditioning from 03-01-2023 to 07-01-2023.

The expenditure details are as below:

S. No.	Particulars	Rate in Rs.	Bill No. & Date	Amount in Rs.
1	Course Fee includes certificate	1160X 19		22000
	18% GST for Online Payment	3960		3960
	Remuneration for Internal resource person	750X4		3000
	Remuneration for Lab Instructors	200X4		800
		TOTAL		29,760
	Amount collected as Registration fees	-	-	-
	Amount collected from Event Sponsors	-	-	-
	College Fund (Professional Development Fee)	1567 X 19		29,773

25,960

1. 
29/12/22

2. 
29/12/22
COORDINATORS


HoD/MECH 29/12/2022
HEAD

Mechanical Engineering
CARE College of Engineering
Trichy -620 009


29.12.22

PRINCIPAL



GOODWIN MOTORS

(Automotive Skill Development Organization)

(Affiliated to National Skill India Mission, Govt of India)

(Skill Training Partner - **BMW SKILLNEXT** Initiative)



Ref: GM/TT/2022-23/008

Date: 07.01.2023

M/S CARE GROUP OF INSTITUTIONS
TRICHY

SUB: TAX INVOICE

SR NO	BILL DESCRIPTION	RATE	VALUE
1	TRAINING FEE – VALUE ADDED COURSE CONDUCTED FOR 3 RD YEAR MECH STUDENTS FROM 3 RD JAN TO 6 TH JAN 2023 AT CARE COLLEGE OF ENGINEERING CAMPUS, TRICHY	22000	22000
		SGST @ 9%	1980
		CGST @ 9%	1980
		TOTAL INVOICE VALUE	25960

RUPEES TWENTY FIVE THOUSAND NINE HUNDRED AND SIXTY ONLY

OUR BANK DETAILS:

GST NUMBER: 33AAAPX7148J1ZD

PAN : AAAPX7148J

PAYMENT IN FAVOUR OF GOODWIN MOTORS

ACCOUNT NUMBER: 139305500060

IFSC CODE: ICIC0001393

BANK NAME: ICICI BANK, AYYASAMY STREET, WEST TAMBARAM, CHENNAI – 600 045

For GOODWIN MOTORS

AUTHORISED SIGNATORY



[Handwritten signature]

Admin Office: Plot No.10, Subhamangala Avenue, Mannivakkam Extn, Chennai - 600 048.

Site: 117/2, Perinjambakkam, Near Padappai, Tambaram, Chennai - 601 301.

Email: goodwinmotors@gmail.com / **Web:** www.goodwinmotors.org

Regn No: 02391 Under Dept of Industries and Commerce, TN Govt.

C A R E College of Engineering
No.:27, Thayanur,
Dindugal Main Road, Trichy.

Payment Voucher

No. : **CCOE/22-23/BP-0560**

Dated : **11-Jan-23**

Particulars	Amount
Account : Goodwin Industries	25,960.00
Through : Indian Bank - C.A/c - 854664709	
On Account of : Being charges for conducting workshop on Modern Trends in Refigeration and Air conditioning.tehnology for 3rd year. mechnaical students from 03.01.23 to 06.01.2023. bill no. 008/07.01.23. chq no.289360/11.01.23	
Amount (in words) : Indian Rupees Twenty Five Thousand Nine Hundred Sixty Only	
	₹ 25,960.00

Receiver's Signature:

Authorised Signatory


11/01/23

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated by Anna University, Chennai)
27, Thayanur, Trichy - 620009

Department of Mechanical Engineering

Value Added Course

MVA015- Modern Trends in Refrigeration and Air Conditioning

Attendance Sheet

S.No	Reg. No.	Name of the Participants	Signature														
			03.01.23			04.01.23			05.01.23			06.01.23			07.01.23		
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN			
1	810720114002	Joe Berlin B	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
2	810720114003	Karthikeyan R	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
3	810720114004	Madeshwaran P	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
4	810720114007	Naresh Prabhu P	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
5	810720114008	Pristian Rajkumar A	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
6	810720114009	Rooban K	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
7	810720114301	Alfahath N	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
8	810720114302	Harinaran S	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
9	310720114303	Hariram T	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
10	810720114305	Karthikraj N	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
11	810720114307	Madhavan A	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
12	810720114309	Prabakaran S	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
13	810720114310	Pudin Antony A H	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →
14	810720114311	Ragul Raja S	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →	← AB →

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COLLEGE OF ENGINEERING

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2, Thayanur, Trichy – 620009

FEEDBACK ON TRAINING

Name of the Participant : A. MADHANAN Department : Mechanical Engineering

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-2023 To Date : 07-01-2023

Timings : 9.00 am to 5.00 pm Guest/s : 1. Mr. P XAVIER JAGANATHAN, CEO, Goodwin Motors,
2. Mr. SARAVANAVEL, Trainer Goodwin Motors.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill	✓			
3.	Ability to Draw Participation		✓		
4.	Interest in the Event	✓			
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material		✓		
3.	Seating Arrangements		✓		
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements	✓			

OVERALL ASSESSMENT

1. Things Most Appreciated :	Section arrangement is appreciated.
2. Things Least Appreciated :	Nil
3. Suggestions for Improvements :	Extra 3 day's are having it's very useful.
4. Any Other Remarks :	Nil

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FEEDBACK ON TRAINING

Name of the Participant : P. Madeshwaran Department : Mechanical Engineering

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-2023 To Date : 07-01-2023

Timings : 9.00 am to 5.00 pm Guest/s : 1. Mr. P XAVIER JAGANATHAN, CEO, Goodwin Motors,
2. Mr. SARAVANAVEL, Trainer Goodwin Motors.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill		✓		
3.	Ability to Draw Participation	✓			
4.	Interest in the Event	✓			
5.	Response to Queries		✓		
OTHER PARAMETERS					
1.	Overall Usefulness	✓	✓		
2.	Course Material		✓		
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements		✓		

OVERALL ASSESSMENT

1. Things Most Appreciated :	Both teaching and listening were appreciated
2. Things Least Appreciated :	Nothing
3. Suggestions for Improvements :	We will learn further depth about it
4. Any Other Remarks :	It want to be elaborated much

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FEEDBACK ON TRAINING

Name of the Participant : P. NARESH PRABHO Department : Mechanical Engineering

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-2023 To Date : 07-01-2023

Timings : 9.00 am to 5.00 pm Guest/s : 1. Mr. P XAVIER JAGANATHAN, CEO, Goodwin Motors,
2. Mr. SARAVANAVEL, Trainer Goodwin Motors.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill	✓			
3.	Ability to Draw Participation	✓			
4.	Interest in the Event	✓			
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material	✓			
3.	Seating Arrangements			✓	
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements		✓		

OVERALL ASSESSMENT

1. Things Most Appreciated :	<u>Theory and Practical classes are very excellent</u>
2. Things Least Appreciated :	<u>None</u>
3. Suggestions for Improvements :	<u>I really learnt detail about refrigeration</u>
4. Any Other Remarks :	<u>None</u>

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FEEDBACK ON TRAINING

Name of the Participant : A. PRISTAN RAJKUMAR Department : Mechanical Engineering

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-2023 To Date : 07-01-2023

Timings : 9.00 am to 5.00 pm Guest/s : 1. Mr. P XAVIER JAGANATHAN, CEO, Goodwin Motors,
2. Mr. SARAVANAVEL, Trainer Goodwin Motors.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill		✓		
3.	Ability to Draw Participation		✓		
4.	Interest in the Event	✓			
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓	✓	✓	
2.	Course Material				
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements		✓		

OVERALL ASSESSMENT

1. Things Most Appreciated :	<u>both classes are very useful</u>
2. Things Least Appreciated :	<u>nil</u>
3. Suggestions for Improvements :	<u>nil</u>
4. Any Other Remarks :	<u>nil</u>

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FEEDBACK ON TRAINING

Name of the Participant : N. KARTHIKRAJ Department : Mechanical Engineering

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-2023 To Date : 07-01-2023

Timings : 9.00 am to 5.00 pm Guest/s : 1. Mr. P XAVIER JAGANATHAN, CEO, Goodwin Motors,
2. Mr. SARAVANAVEL, Trainer Goodwin Motors.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill		✓		
3.	Ability to Draw Participation	✓			
4.	Interest in the Event	✓			
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material		✓		
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements	✓			

OVERALL ASSESSMENT

1. Things Most Appreciated :	• It is using the Manual Equipments
2. Things Least Appreciated :	• It was operation
3. Suggestions for Improvements :	• No Comments
4. Any Other Remarks :	will

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FEEDBACK ON TRAINING

Name of the Participant : S. Haritharan Department : Mechanical Engineering

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-2023 To Date : 07-01-2023

Timings : 9.00 am to 5.00 pm Guest/s : 1. Mr. P XAVIER JAGANATHAN, CEO, Goodwin Motors,
2. Mr. SARAVANAVEL, Trainer Goodwin Motors.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill		✓		
3.	Ability to Draw Participation		✓		
4.	Interest in the Event		✓		
5.	Response to Queries	✓			
OTHER PARAMETERS					
1.	Overall Usefulness	✓			
2.	Course Material		✓		
3.	Seating Arrangements			✓	
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements		✓		

OVERALL ASSESSMENT

1. Things Most Appreciated :	<u>Demo of operations</u>
2. Things Least Appreciated :	<u>Presentation</u>
3. Suggestions for Improvements :	<u>More Practical</u>
4. Any Other Remarks :	<u>-</u>

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FEEDBACK ON TRAINING

Name of the Participant : M. Thanush Department : Mechanical

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-23 To Date : 07-01-23

Timings : 9am to 5pm Guest/s : 1. Mr. P XAVIER JAGANATHAN, BSc.B.Tech.M.B.A,
CEO, GOODWIN MOTORS, Chennai.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
		✓			
1.	Domain Knowledge		✓		
2.	Presentation / Communication Skill		✓		
3.	Ability to Draw Participation		✓		
4.	Interest in the Event	✓			
5.	Response to Queries	✓	.		
OTHER PARAMETERS					
1.	Overall Usefulness		✓		
2.	Course Material		✓		
3.	Seating Arrangements		✓		
4.	Quality of Audio Visual (if any)	✓			
5.	Other Arrangements	✓			

OVERALL ASSESSMENT

1. Things Most Appreciated :

All is Good.

2. Things Least Appreciated :

Practical Session

3. Suggestions for Improvements :

-

4. Any Other Remarks :

Nil

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FEEDBACK ON TRAINING

Name of the Participant : P. Rayon Mathews Department : Mechanical

Title of the Event : MVA015- Modern Trends in Refrigeration and Air Conditioning

Event Sponsored By : Department of Mechanical Engineering, CARE College of Engineering.

Total Duration : 30 periods From Date : 03-01-23 To Date : 07-01-23

Timings : 9am to 5pm

Guest/s : 1. Mr. P XAVIER JAGANATHAN, BSc.B.Tech.M.B.A,
CEO, GOODWIN MOTORS, Chennai.

LEGEND : E = EXCELLENT G = GOOD A = AVERAGE P = POOR

(Please Tick (✓) against appropriate box)					
Sr. No.	ATTRIBUTE	E	G	A	P
GUEST PERFORMANCE					
1.	Domain Knowledge	✓			
2.	Presentation / Communication Skill	✓			
3.	Ability to Draw Participation		✓		
4.	Interest in the Event		✓		
5.	Response to Queries		✓		
OTHER PARAMETERS					
1.	Overall Usefulness		✓		
2.	Course Material		✓		
3.	Seating Arrangements	✓			
4.	Quality of Audio Visual (if any)		✓		
5.	Other Arrangements	✓			

OVERALL ASSESSMENT

1. Things Most Appreciated :

Hands on Training

2. Things Least Appreciated :

Nothing

3. Suggestions for Improvements :

Refreshments

4. Any Other Remarks :

Nil



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(Skill Training Partner - BMW SkillNext Initiative)

MECHANICAL
ENGINEERING
STUDENTS
ASSOCIATION



Certificate of Completion

This is to certify that Mr**A.H. PUDIN ANTONY**..... of
**3RD YEAR Mechanical Engineering CARE College Of Engineering, has completed Value added course MVA015-
MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING from 3rd January to 7th January 2023.**
During the above said period his conduct and character were good.

Xavier M J

For GOODWIN MOTORS

Shalini
Prasanna
Coordinators

Georjha
HOD/Mech

S. Pradeep
Principal / CARE COE



CARE COLLEGE OF ENGINEERING

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(Skill Training Partner - BMW SkillNext Initiative)

MECHANICAL
ENGINEERING
STUDENTS
ASSOCIATION



Certificate of Completion

This is to certify that Mr**R. RAYAN. MATHEWS**..... of

3RD YEAR Mechanical Engineering CARE College Of Engineering, has completed Value added course MVA015-

MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING from 3rd January to 7th January 2023.

During the above said period his conduct and character were good.

For GOODWIN MOTORS

Coordinators

HOD/Mech

Principal / CARE COE



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MECHANICAL
ENGINEERING
STUDENTS
ASSOCIATION



Certificate of Completion

This is to certify that Mr**T. HARI RAM**..... of

3RD YEAR Mechanical Engineering CARE College Of Engineering, has completed Value added course MVA015-

MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING from 3rd January to 7th January 2023.

During the above said period his conduct and character were good.

For GOODWIN MOTORS

Coordinators

HOD/Mech

Principal / CARE COE



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(Affiliated to National Skill India Mission, Govt of India)
(Skill Training Partner - BMW SkillNext Initiative)

MECHANICAL
ENGINEERING
STUDENTS
ASSOCIATION



Certificate of Appreciation

This is to certify that Dr. Mr. **B. GOBALAKRISHNAN AP**..... of

Mechanical Engineering CARE College Of Engineering, has organized Value added course MVA015-MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING for their students from 3rd January to 7th January 2023.

During the above said period his conduct and character were good.

For GOODWIN MOTORS

Geetha
HoD/Mech

Principal / CARE COE



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MECHANICAL
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ASSOCIATION



Certificate of Appreciation

This is to certify that **Dr /Mr** **S. MAHESH.WARAN.A.P** of

Mechanical Engineering CARE College Of Engineering, has organized Value added course MVA015-MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING for their students from 3rd January to 7th January 2023.

During the above said period his conduct and character were good.

For GOODWIN MOTORS

HOD/Mech

Principal / CARE COE