

Criteria 1

Criterion 1 – Curricular Aspects

Key Indicator- 1.2

1.2 Academic Flexibility

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years)

ACADEMIC YEAR 2019-2020

ADD ONCOURSE/WORK SHOP/CERTIFICATE COURSES

Sl.No	Description	Page No.
1	Add on Course Estimation and Costing using Excel -CIVIL	1-17
2	Workshop on Planning according to NBC-CIVIL	18-36
3	Workshop on IOT and its applications-CSE	37-56
4	Workshop on Industrial Based Embedded System-ECE	57-88
5	Workshop on PCB Design- ECE	89-111
6	Workshop on Embedded system design and implementation- EEE	112-130
7	Workshop on 3D – Printing- MECH	131-157
8	Workshop on AutoCAD- MECH	158-174

28.01.2020

Chennai

From

The HOD-CIVIL,
Peri Institute of Technology
Mannivakkam,
Chennai-48

To

The Principal
PERI Institute of Technology
Chennai

Sir,

Sub: Approval to conduct a program on **“CC010 Estimation and Costing using Excel– Reg**
The department of Civil Engineering is planning to conduct a program titled
“CC010 Estimation and Costing using Excel” training for Civil Engineering students.
Kindly accord permission for conducting the program.

S.No.	Year	Scheduled Date	Time
1	IV	08.02.2020 to 18.04.2020	1.15p.m to 3.40 p.m

Thanking You

Yours Truly

Dr. R. Palson Kennedy
Principal
Dr. R. PALSON KENNEDY, M.E., Ph.D
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
MANNIVAKKAM, CHENNAI - 600 048.

[Signature]
HOD/CIVIL
Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

PERIIT /CIVIL/Add on Course /2019-2020/Even/01

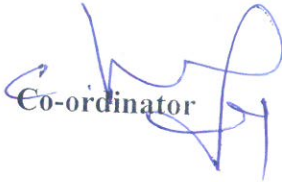
Date: 29.01.2020

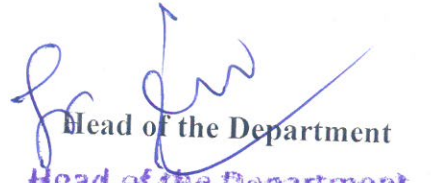
CIRCULAR

Department of Civil Engineering is planned to conduct a program titled “CC010 Estimation and Costing using Excel for the Academic Year 2019 – 2020 for CIVIL Engineering IVth year students.

S.No.	Year	Scheduled Date	session
1	IV	08.02.2020 to 18.04.2020	1.15p.m to 3.40 p.m

Note: Due to the covid Lockdown the Add on course will be conducted through online mode


Co-ordinator


Head of the Department
Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048

Copy To:

1. Principal
2. Vice – Principal
3. IQAC
4. Faculty Members – Civil
5. Main – Notice Board

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

PERIIT /CIVIL/Add on Course /2019-2020/Even/01


Date: 29.01.2020

CIRCULAR

Department of Civil Engineering is planned to conduct a program titled “**CC010 Estimation and Costing using Excell**” for the Academic Year 2019 – 2020 for CIVIL Engineering IVth year students.

S.No.	Year	Scheduled Date	session
1	IV	08.02.2020 to 18.04.2020	1.15p.m to 3.40 p.m


Co-ordinator
29/1/20


Head of the Department

Copy To:

1. Principal
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5. Main – Notice Board

Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2019-2020

ADD ON COURSE-
CC010-Estimation and Costing using Excel

Minutes of the Meeting held on 01.02.2020

Venue : HOD Room, Civil Department, Beta Block,
PERI Institute of Technology

Date : 01.02.2020

Time : 10:00am – 11:30am

Agenda of the Meeting:

1. Syllabus preparation
2. Tentative Timetable preparation
3. Assessment method discussion

Members Present:

1. Mr. B. Magesh, Head of the Department, Civil Engineering
2. Ms. C. Lavanya, VAC Coordinator, Civil Engineering
3. Mr. R. Balaji, Industrial Expert, Junior Engineer, Southern Railway, Chennai

Ms. C. Lavanya, VAC Coordinator welcomed and briefed the consultative committee members about the meeting. The guidelines prescribed for Value Added Courses by Anna University are disseminated to the consultative committee members. Due to the covid Lockdown the Add on course will be conducted through online mode Using google meet link <https://meet.google.com/uac-hper-zmc>

Agenda Item 1: Syllabus preparation

The syllabus is framed in accordance with the view to achieve the desired outcomes of the course. The courses similar to the selected course in the curriculum of UG and PG programmes offered by various IITs, NITs, Anna University and other Universities has been analysed and final syllabus is framed by the consultative committee members.

Agenda Item 2: Tentative Timetable preparation

The Timetable for Add on Course classes and Internal Assessment is prepared based on guidelines prescribed by Anna University. Total of 32 hours on Saturdays from 08.02.2020 to 18.04.2020 is decided and communicated to the Course faculty.

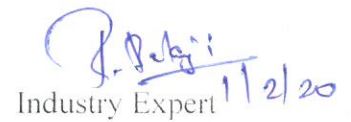
Agenda Item 3: Assessment method

Internal assessments to be conducted only at the end of the course is decided. Internal Assessment is decided to be conducted for Estimation of a given structure

Part A – Estimation of a given structure – $1 \times 30 = 30$ marks


Coordinator 11/2/20


Senior Faculty Member 11/2/20


Industry Expert 11/2/20


Hod - Civil Engg

Head of the Department
Department of Civil Engineering
PFI Institute of Technology,
Mannivakkam, Chennai - 600 048


Principal

Dr. R. PALSON KENNEDY, M.E., Ph.D.
PRINCIPAL
PFI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

ADD ON COURSE

SYLLABUS CC010 -Estimation and Costing using Excel

MODULE 1

Introduction to estimation- Necessity of Estimation- Units and Measurements-Types of Estimates- Methods of Estimation-Load bearing and framed structures Calculation of quantities of brick work, RCC, PCC, Plastering, white washing, colour washing and painting / varnishing for shops, rooms, residential building with flat and pitched roof – Various types of arches – Calculation of brick work and RCC works in arches – Estimate of joineries for panelled and glazed doors, windows, ventilators, handrails etc.- Estimation of Steel for RCC works

MODULE 2

Estimating of septic tank, soak pit – sanitary and water supply installations – water supply pipe line – sewer line – tube well – open well Estimate of bituminous and cement concrete roads – estimate of retaining walls – culverts – estimating of irrigation works – aqueduct, syphon, fall.

MODULE 3

Necessity – Basics of value engineering – Capitalised value – Depreciation – Escalation – Calculation of Standard rent – Mortgage – Lease-Valuation of Building- Loss assessment

MODULE 4

Principles for report preparation – report on estimate of Official building – Culvert – Roads – Water supply and sanitary installations – Tube wells – Open wells.



Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048


DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

ADD ON COURSE-TIME TABLE

CC010-Estimation and Costing using Excel

S.No	Date	Hours	Topics
1	08.02.2020	6-8	Introduction to estimation- Necessity of Estimation- Units and Measurements- Types of Estimates- Methods of Estimation-Load bearing and framed structures
2	15.02.2020	6-8	Calculation of quantities of brick work, RCC, PCC, Plastering, white washing, colour washing and painting / varnishing for shops, rooms, residential building with flat and pitched roof
3	22.02.2020	6-8	Various types of arches – Calculation of brick work and RCC works in arches – Estimate of joineries for panelled and glazed doors, windows, ventilators, handrails etc.- Estimation of Steel for RCC work
4	29.02.2020	6-8	Estimating of septic tank, soak pit – sanitary and water supply installations – water supply pipe line
5	07.03.2020	6-8	sewer line – tube well – open well Estimate of bituminous and cement concrete roads
6	14.03.2020	6-8	estimate of retaining walls – culverts – estimating of irrigation works – aqueduct, syphon, fall.
7	21.03.2020	6-8	Necessity – Basics of value engineering
8	28.03.2020	6-8	Capitalised value – Depreciation – Escalation – Calculation of Standard rent
9	04.04.2020	6-8	Mortgage – Lease-Valuation of Building- Loss assessment
10	11.04.2020	6-8	Principles for report preparation – report on estimate of Official building – Culvert – Roads –
11	18.04.2020	6-8	Report on estimate of Culvert – Roads
12	25.04.2020	6-8	Water supply and sanitary installations – Tube wells – Open wells. <i>INTERNAL ASSESSMENT</i>


Head of the Department
 Department of Civil Engineering
 PERI Institute of Technology,
 Mannivakkam, Chennai - 600 048

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

ADD ON COURSE

CC010 Estimation and Costing using Excel

STUDENTS LIST

Final Years		
S. No.	Reg. No.	Name of the Students
1	411516103002	S Anbu Raj
2	411516103003	R Balaji
3	411516103005	M Hariharan
4	411516103006	R Harshavardhan
5	411516103008	P Mohana Krishnan
6	411516103009	A Nishanthi
7	411516103010	K Raja Karuna
8	411516103011	G Sahithyan
9	411516103012	S. Sandeep
10	411516103014	S Sathish
11	411516103016	M. Surya Raj
12	411516103017	M. Vasantha Kumar
13	411516103018	J.J Vignesh
14	411516103019	M. Vinoth
15	411516103021	S Yogeshwaran
16	411516103301	Arif
17	411516103303	K Navikash
18	411516103304	Ram Prasath
19	411516103306	I Viswath Kumar
20	411516103701	K. Bagath Singh
21	411516103702	M.Hariharan

(Handwritten signature)

DEPARTMENT OF CIVIL ENGINEERING

ADD ON COURSE

Estimation and Costing using Excel 4-CC010

ACADEMIC YEAR 2019 – 2020

ATTENDANCE SHEET

Duration of course:32 Hours

Number of students enrolled in the year:21

Final Years

S. No.	Reg. No.	Name of the Students	08.02.2020	15.02.2020	22.02.2020	29.02.2020	07.03.2020	14.03.2020	21.03.2020	28.03.2020	04.04.2020	11.04.2020	18.04.2020
1	411516103002	S Anbu Raj	/	/	/	/	/	/	/	/	/	/	/
2	411516103003	R Balaji	/	/	/	/	/	/	/	/	/	/	/
3	411516103005	M Hariharan	/	/	/	/	/	/	/	/	/	/	/
4	411516103006	R Harshavardhan	/	A	/	/	/	/	/	/	/	/	/
5	411516103008	P Mohana Krishnan	/	/	/	/	/	/	/	/	/	/	/
6	411516103009	A Nishanthi	/	/	/	/	/	/	/	/	/	/	/
7	411516103010	K Raja Karuna	/	/	/	/	/	/	/	/	/	/	/
8	411516103011	G Sahithyan	/	/	/	/	/	/	/	/	/	/	/
9	411516103012	S. Sandeep	/	/	/	/	/	/	/	/	/	/	/
10	411516103014	S Sathish	/	/	/	/	/	/	/	/	/	/	/
11	411516103016	M. Surya Raj	/	/	/	/	/	/	/	/	/	/	/
12	411516103017	M. Vasantha Kumar	/	/	/	/	/	/	/	/	/	/	/
13	411516103018	J.J Vignesh	/	/	/	/	/	/	/	/	/	/	/
14	411516103019	M. Vinoth	/	/	/	/	/	/	/	/	/	/	/
15	411516103021	S Yogeshwaran	/	/	/	/	/	/	/	/	/	/	/
16	411516103301	Arif	/	/	/	/	/	/	/	/	/	/	/
17	411516103303	K Navikash	/	/	/	/	/	/	/	/	/	/	/
18	411516103304	Ram Prasath	/	/	/	/	/	/	/	/	/	/	/
19	411516103306	I Viswath Kumar	/	/	/	/	/	/	/	/	/	/	/
20	411516103701	K. Bagath Singh	/	/	/	/	/	/	/	/	/	/	/
21	411516103702	M.Hariharan	/	/	/	/	/	/	/	/	/	/	/

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Dr. R. PALSON KENNEDY, M.E., Ph.D.
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048

Building Estimation

QUANTITY SHEET

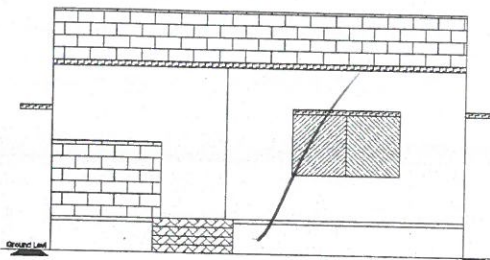
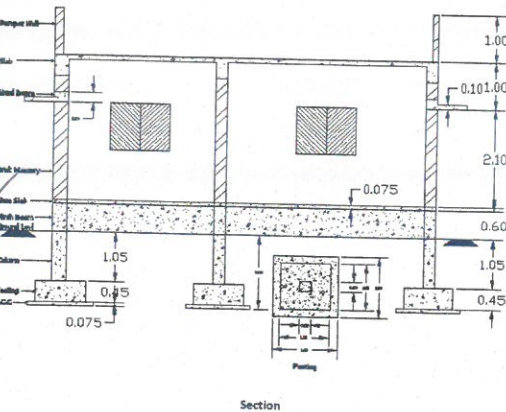
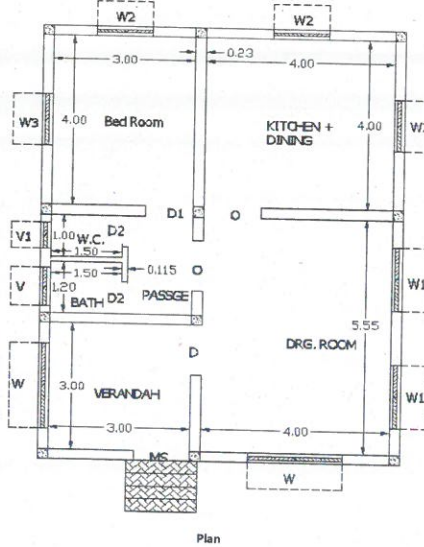
Sr. No.	Item Description	No.	Length (m)	Width/ Breadth (m)	Height/ Depth (m)	Quantity	Unit	
1	Earthwork in Excavation in Foundation:							
	Footing (1m x 1m)	11	2.200	2.200	1.580	84.12	cu m	
	Depth From GL = 0.6 + 1 + 0.6							
	0.6 = Extra For working space							
Total Qty=						84.12	cu m	
2	Footing PCC							
	Footing (1m x 1m)	11	1.300	1.300	0.075	1.39	cu m	
	Thickness = 0.075							
	D = 0.150 + 1.0 + 0.150							
Total Qty=						1.39	cu m	
3	Footing RCC							
	Base (1m x 1m)	11	1.000	1.000	0.450	4.95	cu m	
	Thickness = 0.450							
Total Qty=						4.95	cu m	
4	Column up to Plinth Level RCC							
	Column	11	0.230	0.230	1.050	0.61	cu m	
Total Qty=						0.61	cu m	
5	Back-filling							
	Back-filling In Footing							
5.a	Excavation Area	11	2.200	2.200	1.580	84.12	cu m	
	Deduction							
	Footing P.C.C	-11	1.300	1.300	0.075	-1.39	cu m	
	Footing RCC	-11	1.000	1.000	0.450	-4.95	cu m	
	Footing Column	-11	0.230	0.230	1.050	-0.61	cu m	
5.a Total Qty=						77.16	cu m	
5.b	Plinth Beam Back filling							
	Plinth area out to out	1	10.240	7.690	0.600	47.25	cu m	
	Deduction							
	L-1	-3	10.240	0.230	0.600	-4.24	cu m	
	L-2	-4	3.000	0.230	0.600	-1.66	cu m	
	L-3	-3	4.000	0.230	0.600	-1.66	cu m	
	L-4	-1	1.500	0.230	0.600	-0.21	cu m	
	L-5	-1	2.315	0.230	0.600	-0.32	cu m	
	5.b Total Qty=						39.17	cu m
	5.a + 5.b Total Qty=						116.33	cu m
6	Plinth Beam RCC							
	Beam (230 mm x 600 mm)							
	L-1	3	10.240	0.230	0.600	4.24	cu m	
	L-2	4	3.000	0.230	0.600	1.66	cu m	
	L-3	3	4.000	0.230	0.600	1.66	cu m	
	L-4	1	1.500	0.230	0.600	0.21	cu m	
L-5	1	2.315	0.230	0.600	0.32	cu m		
Total Qty=						0.32	cu m	
7	Grave Slab RCC							
	Plinth area out to out	1	10.240	7.690	0.100	7.87	cu m	
	Deduction							
Column	-11	0.230	0.230	0.100	-0.06	cu m		
Total Qty=						7.82	cu m	
8	Column Up to Slab Level RCC							
	Column	11	0.230	0.230	2.650	1.54	cu m	
Total Qty=						1.54	cu m	
9	Brick Masonry							
	230 mm thick wall Brick Masonry							
	Long Wall	3	10.240	0.230	2.650	18.72	cu m	
	Shot wall-1	3	3.000	0.230	2.650	5.49	cu m	
	Shot wall-1	1	3.000	0.230	1.200	0.83	cu m	
	Shot Wall-2	3	4.000	0.230	2.650	7.31	cu m	
	Deduction							
	Column	-11	0.230	0.230	2.650	-1.54	cu m	
	Window W	-2	2.000	0.230	1.200	-1.10	cu m	
	Window W1	-2	1.500	0.230	1.200	-0.83	cu m	
	Window W2	-3	1.200	0.230	1.200	-0.99	cu m	
	Window W3	-1	1.200	0.230	1.500	-0.41	cu m	
	Door o	-2	1.200	0.230	2.100	-1.16	cu m	
	Door D	-1	1.200	0.230	2.100	-0.58	cu m	
	Door D1	-1	1.000	0.230	2.100	-0.48	cu m	
	Door MS	-1	2.000	0.230	1.200	-0.55	cu m	
	Vent	-1	0.900	0.230	0.600	-0.12	cu m	
	Vent V1	-1	0.600	0.230	0.600	-0.08	cu m	
	Total Qty 230 mm Thick Wall=						24.49	cu m
	115 mm thick wall Brick Masonry	Bath Room	1	1.500	0.115	2.650	0.46	cu m
		Passage wall	1	2.315	0.115	2.650	0.71	cu m
		Deduction						
		Door D2	-2	0.750	0.115	2.100	-0.36	cu m
		Parapet Wall						
		Long Wall	2	10.240	0.115	1.000	2.36	cu m
		Shot Wall	2	7.460	0.115	1.000	1.72	cu m
		Total Qty 115 mm Thick Wall=						4.87
10 In Side Plaster	Bed Room							
	Long Wall	2	4.000	3.000	24.00	Sq.m.		
	Shot wall	2	3.000	3.000	18.00	Sq.m.		
	Deduction							
	Door D1	-0.5	1.000	2.100	-1.05	Sq.m.		
	Window W2	-0.5	1.200	1.000	-0.60	Sq.m.		
	Window W3	-0.5	1.200	1.200	-0.72	Sq.m.		
	Kitchen + Dining							
	Long Wall	2	4.000	3.000	24.00	Sq.m.		
	Shot wall	2	4.000	3.000	24.00	Sq.m.		
Deduction								
Door O	-0.5	1.200	2.100	-1.26	Sq.m.			

Sum Data as per Drawing

Plit area	Length	Width	Height
Footing P.C.C	10.24	7.69	0.075
Footing R.C.C	1.3	1.3	0.45
Column Size	0.23	0.23	0.6
Plinth Beam	0.23		

SCHEDULE OF OPENINGS

- D = 1.20 x 2.10 m
- D1 = 1.00 x 2.10 m
- D2 = 0.75 x 2.10 m
- MS = 1.20 x 2.10 m
- W = 2.00 x 1.20 m
- W1 = 1.50 x 1.20 m
- W2 = 1.20 x 1.00 m
- W3 = 1.20 x 1.20 m
- V = 0.90 x 0.60 m
- V1 = 0.60 x 0.60 m
- CB = 1.50 x 1.80 m
- CB1 = 1.20 x 1.80 m
- O = 1.20 x 2.10 m
- M.S. Grill = 2.0 x 1.20 m
- Take Bearing of Lintel 10 cm.



PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
FEEDBACK FORM FOR VALUE ADDED COURSES

ACADEMIC YEAR 2019-2020

Name of the Course : CC010 - Estimation and Costing using Excel
Name of the Student : S. SATHISH - A11516103014,
Year / Semester : IV / 08

- Brief about the course:
Basic estimation was though taught.
- In what aspects the course content can be improved?
Tutorial session can be improved.
- Write down the benefits you got by attending this Course
I got more practical knowledge.
- Does the course have brought any change in your understanding of the subject?
Mention in detail.
Yes. Practically I can estimate my
future dream house.
- Is the course recommendable for the forth coming batch of the students?
Yes. I will recommend.

S. Sathish.
Signature of the student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
FEEDBACK FORM FOR VALUE ADDED COURSES

ACADEMIC YEAR 2019-2020

Name of the Course : CC010 - Estimation and Costing using Excel

Name of the Student : R. BALAJI - 411516103003

Year / Semester : IV - VIII

- Brief about the course:
Basic estimation was taught.
- In what aspects the course content can be improved?
It can be improved in the tutorial session.
- Write down the benefits you got by attending this Course
I had got some more practical knowledge.
- Does the course have brought any change in your understanding of the subject?
Mention in detail.
yes, Practically I can estimate my future dream company.
- Is the course recommendable for the forth coming batch of the students?
yes, I will recommend it.

R. Balaji
Signature of the student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
FEEDBACK FORM FOR VALUE ADDED COURSES

ACADEMIC YEAR 2019-2020

Name of the Course : CC010 - Estimation and Costing using Excel

Name of the Student : M. VINOTH

Year / Semester : IV / 08

- Brief about the course:
Basic estimation was throug taught
- In what aspects the course content can be improved?
Tutorial session can be improved
- Write down the benefits you got by attending this Course
I got more practical knowledge
- Does the course have brought any change in your understanding of the subject?
Mention in detail.
Yes practically i can estimate my future dream house
- Is the course recommendable for the forth coming batch of the students?
Yes i will recommend


Signature of the student

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Organizes

ADD ON COURSE IN

“CC010 - ESTIMATION AND COSTING USING EXCEL”

CERTIFICATE
OF COMPLETION

This is to certify that Mr / Ms. R. BALAJI (411516103003)

studying IV year in the Department of Civil Engineering has successfully completed the course on **CC010 - ESTIMATION AND COSTING USING EXCEL** for the duration of **32** hours in the period from **09/02/2020** to **19/04/2020** during the Academic year **2019 - 2020**.



PRINCIPAL



VICE PRINCIPAL



HOD

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Organizes

ADD ON COURSE IN

"CC010 - ESTIMATION AND COSTING USING EXCEL"

CERTIFICATE
OF COMPLETION

This is to certify that Mr / Ms. S. SATHISH (411516103014)

studying IV year in the Department of Civil Engineering has successfully completed the course on **CC010 - ESTIMATION AND COSTING USING EXCEL** for the duration of **32** hours in the period from **09/02/2020** to **19/04/2020** during the Academic year **2019 - 2020**.



PRINCIPAL



VICE PRINCIPAL



HOD

www.peri.education

PERI Knowledge Park, Mannivakkam, Chennai - 600048

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Organizes

ADD ON COURSE IN

"CC010 - ESTIMATION AND COSTING USING EXCEL"

CERTIFICATE
OF COMPLETION

This is to certify that Mr / Ms. M. VINOTH (411516103019)

studying IV year in the Department of Civil Engineering has successfully completed the course on **CC010 - ESTIMATION AND COSTING USING EXCEL** for the duration of **32** hours in the period from **09/02/2020** to **19/04/2020** during the Academic year **2019 - 2020**.



PRINCIPAL



VICE PRINCIPAL



HOD

28.01.2020

Chennai

From

The HOD-CIVIL,
Peri Institute of Technology
Mannivakkam,
Chennai-48

To

The Principal
PERI Institute of Technology
Chennai

Sir,

Sub: Approval to conduct a program on "CC011 Workshop on Planning according to NBC-Reg

The department of Civil Engineering is planning to conduct a program titled "CC011 Workshop on Planning according to NBC" training for II, III Civil Engineering students. Kindly accord permission for conducting the program.

S.No.	Year	Scheduled Date	Time
1	II,III	12-02 2020 to 15-02-2020	8.30 a.m to 3.40p.m

Thanking You

Yours Truly

Summeesha
Dr. R. Palson Kennedy

Summeesha
Head of the Department
Department of CIVIL Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048

Dr. R. PALSON KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

PERIIT /CIVIL/Add on Course /2019-2020/Even/02

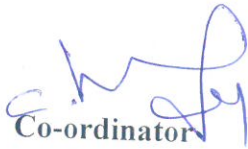
Date: 29.01.2020

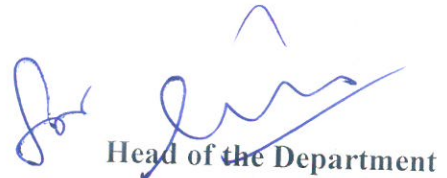
CIRCULAR

Department of Civil Engineering is planned to conduct a program titled “**CC011Workshop on Planning according to NBC**” for the Academic Year 2019 – 2020 for CIVIL Engineering II,III Year students directed to attend the program.

S.No.	Year	Scheduled Date	session
1	II,III	12-02 2020 to 15-02-2020	8.30 a.m to 3.40p.m

Note: Due to the covid Lockdown the Add on course will be conducted through online mode


Co-ordinator


Head of the Department
Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048

Copy To:

1. Principal
2. Vice – Principal
3. IQAC
4. Faculty Members – Civil
5. Main – Notice Board

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2019-2020

ADD ON COURSE-
CC011Workshop on Planning according to NBC

Minutes of the Meeting held on 01.02.2020

Venue : HOD Room, Civil Department, Beta Block,
PERI Institute of Technology

Date : 01.02.2020

Time : 10:00am – 11:30am

Agenda of the Meeting:

1. Syllabus preparation
2. Tentative Timetable preparation
3. Assessment method discussion

Members Present:

1. Mr. B. Magesh, Head of the Department, Civil Engineering
2. Ms. C. Lavanya, VAC Coordinator, Civil Engineering
- 3 Mr. R.Balaji , Industrial Expert, Junior Engineer,Southern Railway,Chennai

Ms. C. Lavanya, VAC Coordinator welcomed and briefed the consultative committee members about the meeting. The guidelines prescribed for Value Added Courses by Anna University are disseminated to the consultative committee members. Due to the covid Lockdown the Add on course will be conducted through online mode Using google meet link <https://meet.google.com/tcp-ryge-hwr>

Agenda Item 1: Syllabus preparation

The syllabus is framed in accordance with the view to achieve the desired outcomes of the course. The courses similar to the selected course in the curriculum of UG and PG programmes offered by various IITs, NITs, Anna University and other Universities has been analysed and final syllabus is framed by the consultative committee members.

Agenda Item 2: Tentative Timetable preparation

The Timetable for Add on Course classes and Internal Assessment is prepared based on guidelines prescribed by Anna University. Total of 32hours from 12-02 2020 to 15-02-2020 is decided and communicated to the Course faculty.

Agenda Item 3: Assessment method

Internal assessments to be conducted only at the end of the course is decided. Internal Assessment is decided to be conducted as MCQ

Part A – MCQ – 30*1 = 30 marks


Coordinator 11/2/20


Senior Faculty Member 01/02/20


Industry Expert 11/2/20


Hod - Civil Engg

Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048


Principal

Dr. R. PALSON KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

ADD ON COURSE

SYLLABUS CC011 -Workshop on Planning according to NBC

MODULE 1

Land use classification and uses permitted, community open spaces and amenities, requirements of plots, classification of buildings, open spaces (within a plot), area and height limitations

MODULE 2


Off-street parking spaces, greenbelts, landscaping and water conservation, requirements of parts of buildings, requirements for accessibility in built environment for elders and persons with disabilities

MODULE 3

Special requirements of low income housing in urban areas, special requirements for cluster planning for housing, special requirements for low income habitat planning in rural areas, special requirements for development planning in hilly areas

MODULE 4

Fire and life safety, design and construction, lighting and ventilation, air conditioning, heating and mechanical ventilation, acoustics, sound insulation and noise control, heat insulation, sustainability, Installation of lifts, escalators and moving walks, installation of lifts, escalators and moving walks, asset and facility management


Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048

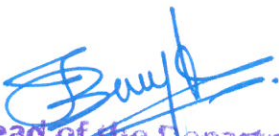
DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020

ADD ON COURSE-TIME TABLE

CC011 -Workshop on Planning according to NBC

S.No	Date	Hours	Topics
1	12.02.2020	1-8	Land use classification and uses permitted,community open spaces and amenities. requirements of plots,classification of buildings,open spaces (within a plot). area and height limitations
2	13.02.2020	1-8	Off-street parking spaces, greenbelts, landscaping and water conservation,requirements of parts of buildings. requirements for accessibility in built environment for elders and persons with disabilities
3	14.02.2020	1-8	Special requirements of low income housing in urban areas,special requirements for cluster planning for housing,special requirements for low income habitat planning in rural areas,special requirements for development planning in hilly areas
4	15.02.2020	1-8	Fire and life safety,design and construction,lighting and ventilation,air conditioning, heating and mechanical ventilation,acoustics, sound insulation and noise control,heat insulation,sustainability,nstallation of lifts, escalators and moving walks,installation of lifts, escalators and moving walks,asset and facility management. <i>INTERNAL ASSESSMENT</i>


Head of the Department
Department of Civil Engineering
PERI Institute of Technology,
Mannivakkam, Chennai - 600 048

DEPARTMENT OF CIVIL ENGINEERING**ACADEMIC YEAR 2019-2020****ADD ON COURSE****CC011WORKSHOP ON PLANNING ACCORDING TO NBC****STUDENTS LIST**

Third Years		
1	411517103001	K. Ajeeth Kumar
2	411517103002	A. AllampatiBhaskar
3	411517103003	J. Anthony Bala
4	411517103004	R. Arun
5	411517103006	P. Balamurugan
6	411517103007	V. Bojarajan
7	411517103009	V. Dhanraj
8	411517103010	J. Jayasree
9	411517103011	C. Manikandan
10	411517103013	M. Manoj Kumar
11	411517103014	S. Masimalai
12	411517103015	S. Mohamed Yasin
13	411517103016	P. Naresh
14	411517103018	K. Pravin
15	411517103019	J. Preveen
16	411517103020	P. Sakthivel
17	411517103021	S. SathyaPriya
18	411517103022	A. Shruthi
19	411517103023	A. Shwetha
20	411517103024	K. Thamizharasan
21	411517103025	G. Vasanth
22	411517103026	M. Vijai Mohan
23	411517103301	D. Ajith Kumar
24	411517103302	P. Dhamodaran
25	411517103303	N. JashwanthNagaraj
26	411517103305	J.M. JervinRebaario
27	411517103306	G. Santhosh Kumar
Second Years		
28	411518103001	Ananda Ganapathy Kb

29	411518103002	Kiran Kumar J S
30	411518103003	Prashanth J
31	411518103004	Praveen D
32	411518103005	Praveenkumar P
33	411518103006	Raghul R
34	411518103007	Sarath Kumar M
35	411518103008	Sree Balaji D
36	411518103009	Srikanth M
37	411518103010	Surendra Kumar K
38	411518103012	Yogeshwaran P T
39	411518103301	Guru prasath
40	411518103302	Nandeeshiwaran



DEPARTMENT OF CIVIL ENGINEERING
ADD ON COURSE
CC011-Workshop on Planning according to NBC 23
ACADEMIC YEAR 2019 – 2020

Duration of course:32 Hours

Number of students enrolled in the year:40

Second Years

S.No	Reg.No	Name	12.02.2020	13.02.2020	14.02.2020	15.02.2020
1	411518103001	Ananda Ganapathy Kb	/	/	/	/
2	411518103002	Kiran Kumar J S	/	/	/	/
3	411518103003	Prashanth J	/	/	/	/
4	411518103004	Praveen D	/	/	/	/
5	411518103005	Praveenkumar P	/	/	/	/
6	411518103006	Raghul R	/	/	A	/
7	411518103007	Sarath Kumar M	/	/	/	/
8	411518103008	Sree Balaji D	/	/	/	/
9	411518103009	Srikanth M	/	/	/	/
10	411518103010	Surendra Kumar K	/	/	/	/
11	411518103012	Yogeshwaran P T	/	/	/	/
12	411518103301	Guru prasath	/	/	/	/
13	411518103302	Nandeeshiwaran	/	/	/	/

Third Years

1	411517103001	K. Ajeeth Kumar	/	/	A	/
2	411517103002	A. AllampatiBhaskar	/	/	/	/
3	411517103003	J. Anthony Bala	/	/	/	/
4	411517103004	R. Arun	/	/	/	/
5	411517103006	P. Balamurugan	/	/	/	/
6	411517103007	V. Bojarajan	/	/	/	/
7	411517103009	V. Dhanraj	/	/	/	/
8	411517103010	J. Jayasree	/	/	/	/
9	411517103011	C. Manikandan	/	/	/	/
10	411517103013	M. Manoj Kumar	/	/	/	/
11	411517103014	S. Masimalai	/	/	/	/
12	411517103015	S. Mohamed Yasin	/	/	/	/
13	411517103016	P. Naresh	/	/	/	/
14	411517103018	K. Pravin	/	/	/	/
15	411517103019	J. Preveen	/	/	/	/
16	411517103020	P. Sakhivel	/	/	/	/
17	411517103021	S. SathyaPriya	/	/	/	/
18	411517103022	A. Shruthi	/	/	/	/
19	411517103023	A. Shwetha	/	/	/	/
20	411517103024	K. Thamizharasan	/	A	/	/
21	411517103025	G. Vasanth	/	/	/	/
22	411517103026	M. Vijai Mohan	/	/	/	/
23	411517103301	D. Ajith Kumar	/	/	/	/
24	411517103302	P. Dhamodaran	/	/	/	/
25	411517103303	N. JashwanthNagaraj	/	/	/	/
26	411517103305	J.M. JervinRebaario	/	/	/	/
27	411517103306	G. Santhosh Kumar	/	/	/	/

Noor Long

ch

Dr. R. PALSON KENNEDY, M.E., Ph.D.
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2019-2020
ADD ON COURSE-ASSESSMENT -I
CC011 –Workshop on Planning according to NBC

Year/Sem/Sec	III/VI	Date	15.02.2020
Department	CIVIL	Duration	45 minutes
Faculty	E.EZHILARASI	Max. Marks	25

Note: MARK THE CORRECT ANSWER IN THE SPACE PROVIDED

1. According to the National Building Code of India, industrial buildings fall under the category of _____.			
A	GROUP-F	B	GROUP-F
C	GROUP-A	D	GROUP-G
2. Code green stands for _____.			
A	fire	B	smoke
C	intruder	D	evacuation
3. Which of the following NFPA code deals with Hazardous material code?			
A	NFPA400	B	NFPA 150
C	NFPA 101	D	NFPA 200
4. Which of the following NFPA code deals with standard for portable fire extinguisher?			
A	NFPA 4	B	NFPA 10
C	NFPA 5	D	NFPA 11
5. According to National Building Code of India, industrial buildings are categorized under _____ of occupancy.			
A	Group F	B	Group E
C	Group G	D	Group H
6. Which of the following is NFPA code used for installation of fire water pump?			
A	NFPA 25	B	NFPA 22
C	NFPA 20	D	NFPA 23
7. As per BIS 1990 open static water tank shall be cleaned ?			
A	Once in a 6 Months	B	Once in a 48 Months
C	Once in a 24 Months	D	Once in a 12 Months
8. What is the OSHA standard for an emergency action plan?			
A	Standard 29 CFR 1910.38	B	Standard 31 CFR 1910.38
C	Standard 31 CFR 1910.38		
9. Standard for Fire Safety and Emergency Symbols comply with the _____.			
A	NFPA 1	B	NFPA 50
C	NFPA 100	D	NFPA 170
10. The purpose of the NBC is to provide for all buildings and structures, a			

framework of standards and requirements which is the			
A	. maximum	B	minimum
C	. regular	D	definite
11. Under the NBC abutment on lot lines are allowed only in			
A	R-1 zones	B	R-2 & R-3 zones
C	Fire zones	D	prohibited zones
12. Under the NBC, every corridor and exterior exit balcony servings as a required exit for an occupant load of more than ten width shall not be less than			
A	. 1.10 mts	B	1.20 mts
C	. 1.40 mts	D	. 1.50 mts
13. Under the NBC, the vertical distance between landings shall not be more than			
A	. 2.5 mts	B	. 3.00 mts
C	3.30 mts	D	3.60 mts
14. Under the NBC, open spaces for corners and through lots is			
A	. 10%	B	20%
C	40%	D	50%
15. Under the NBC, open spaces inside lots is			
A	20%	B	. 30%
C	. 40%	D	. 50%
16. Under the NBC, space required for interior lots is			
A	. 20%	B	30%
C	. 40%	D	50%
17. Under the NBC, the minimum dimension for court or rear yard from the property line to the face of the building is			
A	1.50 mts	B	2.00 mts
C	. 2.50 mts	D	. 3.00 mts
18. Under the NBC, a building in R-1 zone shall comply with the open space requirement in the form of			
A	3.00 mts	B	4.00 mts
C	5.00 mts	D	6.00 mts
19. Under the NBC, clearance between established grade of the street and/ or sidewalk and the lowest under surface of any part of the balcony shall not less than			
A	. 2.10 mts	B	. 2.40 mts
C	. 3.00 mts	D	3.60 mts
20. Under the NBC, the interior lots shall have an access road with a minimum width of			
A	1.50 mts	B	2.40 mts
C	3.00 mts	D	3.60 mts
21. Under the NBC, gasoline filling and service stations shall classified under what occupancy classification?			
A	. accessory	B	. assembly
C	. industrial	D	. business & mercantile
22. Under the NBC, display windows or wall signs within how many meters above the sidewalk			
A	2.40 mts	B	. 2.70 mts

C	3.00 mts	D	3.30 mts
23. Under the NBC, areas where adequate parking lots/ multi-floor parking garages are available within 200 mts. of the proposed building / structures only what percent of the parking requirements may be provided within the premises?			
A	10 %	B	15%
C	20%	D	25%
24. Under the NBC, the minimum requirements for a parking space is			
A	600 mm	B	750 mm
C	900 mm	D	1000 mm
25. Under the NBC, for Group A Dwellings, stairs shall have a clear width of at least			
A	2.30x4.70	B	2.50x5.00
C	2.80x5.50	D	3.00x6.00

DEPARTMENT OF CIVIL ENGINEERING

ADD ON COURSE-ASSESSMENT -I

CC011 on Planning according to NBC

WRITE THE OPTIONS IN THE GIVEN SPACE

Year/Sem/Sec	III/VI	Date	17.04.2021
Department	CIVIL	Duration	45 minutes
REGISTER No.	411517103016	Marks Obtained	21
STUDENT NAME	P. NARESH	Signature	P. Nareesh

Q.N O	OPTION	Q.NO	OPTIO N	Q.NO	OPTIO N	Q.NO	OPTION	Q.NO	OPTIO N
1	D ✓	6	C	11 ✓	A ✓	16 ✓	D ✓	21	D ✓
2	D ✓	7	A	12 ✓	B ✓	17 ✓	B ✓	22	C ✓
3	A ✓	8	D ✓	13 ✓	D ✓	18 ✓	C ✓	23	C ✓
4	B ✓	9	B ✓	14 ✓	A ✓	19 ✓	C ✓	24	B ✓
5	C ✓	10	A ✓	15 ✓	A ✓	20 ✓	C ✓	25	B ✓

21/25

P. Nareesh
17/4/21

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
FEEDBACK FORM FOR VALUE ADDED COURSES

ACADEMIC YEAR 2019-2020

Name of the Course : CC011 - Workshop on Planning according to NBC

Name of the Student : J. Preveen - 411517103019

Year / Semester : III - 06

- Brief about the course:
National Building code 2016 for - building material, planning, structural design, plumbing
- In what aspects the course content can be improved?
By providing landscape planning.
- Write down the benefits you got by attending this Course
Building service plumbing service in those depth knowledge had been provided.
- Does the course have brought any change in your understanding of the subject? Mention in detail.
Yes, practical knowledge on building services had been taught
- Is the course recommendable for the forth coming batch of the students?
Yes.

J. Preveen
Signature of the student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
FEEDBACK FORM FOR VALUE ADDED COURSES

ACADEMIC YEAR 2019-2020

Name of the Course : CC011 - Workshop on Planning according to NBC
Name of the Student : R. ARUN - A11517103004
Year / Semester : III - 06

- Brief about the course:
National building code - 2016 for - building material, planning, structural design, plumbing service
- In what aspects the course content can be improved?
By providing landscape planning.
- Write down the benefits you got by attending this Course
Building service plumbing service in those depth knowledge had been provided.
- Does the course have brought any change in your understanding of the subject? Mention in detail.
Yes. Practical knowledge on building services had been taught.
- Is the course recommendable for the forth coming batch of the students?
Yes.

R. Arun
15/02/20
Signature of the student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
FEEDBACK FORM FOR VALUE ADDED COURSES

ACADEMIC YEAR 2019-2020

Name of the Course : CC011 - Workshop on Planning according to NBC

Name of the Student : P. NARESH (A1151713016)

Year / Semester : 111906

- Brief about the course:
National building code-2016 for building materials, planning, Structural design, plumbing service.
- In what aspects the course content can be improved?
By providing landscape plannings.
- Write down the benefits you got by attending this Course
Building service plumbing service in those depth knowledge had been provided
- Does the course have brought any change in your understanding of the subject? Mention in detail.
yes, practical knowledge on building services had been taught.
- Is the course recommendable for the forth coming batch of the students?
yes.

P. naresh. 15/02/20.
Signature of the student

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Organizes

ADD ON COURSE IN

“CC011 - WORKSHOP ON PLANNING ACCORDING TO NBC”

CERTIFICATE
OF COMPLETION

This is to certify that Mr / Ms. P. NARESH (411517103016)

studying IIIrd year in the Department of Civil Engineering has successfully completed the course on **CC011 - WORKSHOP ON PLANNING ACCORDING TO NBC** for the duration of **32** hours in the period from **12/02/2020** to **15/02/2020** during the Academic year **2019 - 2020**.



PRINCIPAL



VICE PRINCIPAL



HOD

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Organizes

ADD ON COURSE IN

“CC011 - WORKSHOP ON PLANNING ACCORDING TO NBC”

CERTIFICATE
OF COMPLETION

This is to certify that Mr / Ms. R. ARUN (41517103004)
studying IIIrd year in the Department of Civil Engineering has successfully completed the
course on **CC011 - WORKSHOP ON PLANNING ACCORDING TO NBC** for the duration of
32 hours in the period from **12/02/2020** to **15/02/2020** during the Academic year **2019 - 2020**.



PRINCIPAL



VICE PRINCIPAL



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INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Organizes

ADD ON COURSE IN

"CC011 - WORKSHOP ON PLANNING ACCORDING TO NBC"

CERTIFICATE
OF COMPLETION

This is to certify that Mr / Ms. J. PREVEEN (411517103019)
studying IIIrd year in the Department of Civil Engineering has successfully completed the
course on **CC011 - WORKSHOP ON PLANNING ACCORDING TO NBC** for the duration of
32 hours in the period from **12/02/2020** to **15/02/2020** during the Academic year **2019 - 2020**.



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PERI Knowledge Park, Mannivakkam, Chennai - 600048

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INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2019-2020

Ref: PERIIT /CSE/CC/2019-2020/06

Date: 11.08.2019

CIRCULAR

The Department of Computer Science and Engineering is planning to conduct a program titled "Workshop on IOT and its applications" for the Academic Year 2019 – 2020. IV year Computer Science and Engineering students are directed to attend the program.

S.No.	Year	Scheduled Date	Time
1	IV	16-08-2019 TO 20-08-2019	8.30 AM to 3.30 PM


Co-ordinator


Head of the Department

Copy To:

1. Principal
2. Vice – Principal
3. IQAC
4. Faculty Members –CSE Staffs
5. Main – Notice Board

07.08.2019

Chennai

From

Mrs.Varalakshmi
Assistant Professor
Department of Computer Science and Engineering
PERI Institute of Technology
Chennai

To

The Principal
PERI Institute of Technology
Chennai

Sir,

[Sub: Approval to conduct program on IOT- Reg.]

Department of Computer Science and Engineering is planning to conduct program titled "IOT and its applications" training for IV Year Computer Science and Engineering students. Kindly accord permission for conducting the program.

S.No.	Year	Scheduled Date	Time
1	IV	16-08-2019 TO 20-08-2019	8.30 AM to 3.30 PM

Thanking You



Mrs.Varalakshmi

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2019-2020

AGENDA OF THE MEETING

Course Code: CS020

Year/Semester: IV year

Course Name: IOT and its applications

Session: FN & AN

Particulars	Session	Topic covered
DATE: 16-08-2019 TO 20-08-2019 VENUE: CONFERENCE HALL	FN & AN	Module 1: Internet of Things (IoT) What Is the Internet of Things?-Machine to Machine / User-less Communication-Common Use Cases-Components of an IoT Solution-Open Source and Commercial Examples-Competing Standards for IoT-IoT specialization: Industrial, Medical/Healthcare, Automotive, Energy/Utilities, Financial
	FN & AN	Module 2: Acquiring Data Traditional Data Storage-Analog and Digital I/O Basics-Sensors and Data Collection Points-Embedded Platforms and Microcontrollers-Software Development-Device Security: Physical and Logical-Connectivity Options-Connecting Sensors to the Cloud-Scaling Number of Sensors
	FN & AN	Module 3: Utilizing Data Collecting and Storage of IoT Sensor Data-Data Aggregation-Processing IoT Data-Privacy and Security -Analysis and Visualization of Data-How the work together: Cloud and IoT-Big Data and IoT-Use Cases for IoT Data
	FN & AN	Module 4: Implementing IoT Embedded Operating Systems-Linux and Windows-Based IoT -Cloud-based Data Collection-On-Going IoT Operations


Mannivakkam, Chennai 600048

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2019-2020

Students name list for IOT and its Applications (11.10.2020 to 15.10.2020)

S..N o.	Register Number	Name of the Student
1.	411517104001	Aarthi M M
2.	411517104002	Aarthi S
3.	411517104003	Abhinav R
4.	411517104004	Abinaya A
5.	411517104005	Abishek Kumar K
6.	411517104006	Afzal Rahman N
7.	411517104007	Ajith andrew J
8.	411517104008	Ajithkumar T
9.	411517104009	Ajith kumar I
10.	411517104010	Ambati srinivasarao
11.	411517104011	Anukul kiran B
12.	411517104012	Anusha iyer B
13.	411517104013	Aravindh A
14.	411517104015	Archana B S
15.	411517104016	Ashwath Jabez



		Thomson R
16.	411517104017	Bharath R
17.	411517104018	Bhuvaneshwari P
18.	411517104019	Chakali viswatheja
19.	411517104020	Charan kumar K
20.	411517104021	Chengaiiah P
21.	411517104022	Dhakshana moorthy R
22.	411517104023	Dharmaraj M
23.	411517104024	Dhaya B
24.	411517104025	Ebenezer Solomon E
25.	411517104026	Elavarasan M
26.	411517104027	Erupalli venu
27.	411517104028	Ganesh K
28.	411517104029	Ganeshkumar P
29.	411517104030	Ganta Harischandra Prasad
30.	411517104031	Gayathri S
31.	411517104032	Gokul S
32.	411517104033	Gowthami U
33.	411517104034	Hariharan J
34.	411517104035	Hari Krishnan N
35.	411517104036	Hari priya S
36.	411517104037	Hemaranjane A

Dorabem

37.	411517104038	Jagadeshwaran J
38.	411517104039	Jameer Syed Ibrahim J
39.	411517104040	Jothi lakshmi M
40.	411517104041	Kankanala Tejo Abhinay Kumar
41.	411517104044	Karthikeyan P V
42.	411517104045	Kaviya sree N
43.	411517104046	Keerthiga V
44.	411517104049	Lalith Kumar S
45.	411517104051	Lokeshwar S
46.	411517104052	Madhu Mani G
47.	411517104053	Manikandan H
48.	411517104054	Manikandan S
49.	411517104055	Mathan kumar P
50.	411517104058	Muppavarapu vinod
51.	411517104059	Murugappan K
52.	411517104060	Muthu A
53.	411517104062	Narayanee V
54.	411517104063	Nattudurai P
55.	411517104064	Nithya shree K
56.	411517104065	Nivethitha R B
57.	411517104066	Padmanaban P

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58.	411517104067	Pallpolu Govardhan Reddy
59.	411517104069	Poornima A
60.	411517104070	Pothuru Venkata Likhith Suraj
61.	411517104071	Pradeep kumar S
62.	411517104072	Prasanth M
63.	411517104073	Praveen S U
64.	411517104074	Praveen kumar A
65.	411517104075	Praveen Kumar C
66.	411517104076	Praveen kumar M
67.	411517104077	Pravindhran R
68.	411517104078	Preetha M
69.	411517104079	Priya R
70.	411517104080	Raaj Akhas Nithish S V
71.	411517104081	Ragul K
72.	411517104082	Ragul Gandhi D
73.	411517104083	Raja ragavan I
74.	411517104085	Ramakrishnan V
75.	411517104086	Rohit P
76.	411517104087	Roopan Abishek M
77.	411517104088	Safiya S
78.	411517104090	Sanjay S

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79.	411517104093	Sathana R
80.	411517104094	Sathiya priya S
81.	411517104095	Senthatti S
82.	411517104096	Senthil kumar D
83.	411517104097	Sheefa Y
84.	411517104098	Sindhuja U
85.	411517104099	Siva karthick S
86.	411517104100	Sonia D M
87.	411517104101	Soriyamani I
88.	411517104102	Sowmiya C
89.	411517104103	Sri devi M
90.	411517104104	Supraja M
91.	411517104105	Surendran S
92.	411517104106	Utukuri Naga Venkata Sai Manikanta
93.	411517104107	Vallarasu R
94.	411517104108	Varsha R
95.	411517104109	Varun G
96.	411517104110	Vasanthan K
97.	411517104111	Vasanth Raj S N
98.	411517104112	Vema Vamsi Revanth
99.	411517104113	Vignesh B



100.	411517104115	Vigneshwar R
101.	411517104116	Vijaya anandan T
102.	411517104117	Vishal M
103.	411517104119	Vishalkaarthik R R
104.	411517104120	Vishnu M
105.	411517104121	Vishnu M K
106.	411517104122	Yalmozhi D
107.	411517104124	Yuvanesh Kanna S P
108.	411517104125	Yuvashri U
109.	411517104302	Naveen C
110.	411517104701	Catherine Ruth W D

Lekhip
10/9/2019
Co-ordinator

[Signature]
HOD

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Dr. R. PALSON KENNEDY, M.E., Ph.D.
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Mannivakkam, Chennai - 600 048

Mannivakkam, Chennai 600048

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2019-2020

Attendance Sheet for IOT and its Applications(11.10.2020 to 15.10.2020)

S..N o.	Register Number	Name of the Student	11.10.20	12.10.20	13.10.20	14.10.20	15.10.20
1.	411517104001	Aarthi M M	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi
2.	411517104002	Aarthi S	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi
3.	411517104003	Abhinav R	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav
4.	411517104004	Abinaya A	Abinaya	Abinaya	Abinaya	Abinaya	Abinaya
5.	411517104005	Abishek Kumar K	Abishek	Abishek	Abishek	Abishek	Abishek
6.	411517104006	Afzal Rahman N	Afzal	Afzal	Afzal	Afzal	Afzal
7.	411517104007	Ajith andrew J	Ajith	Ajith	Ajith	Ajith	Ajith
8.	411517104008	Ajithkumar T	Ajith	Ajith	Ajith	Ajith	Ajith
9.	411517104009	Ajith kumar I	Ajith	Ajith	Ajith	Ajith	Ajith
10.	411517104010	Ambati srinivasarao	Ambati	Ambati	Ambati	Ambati	Ambati
11.	411517104011	Anukul kiran B	Anukul	Anukul	Anukul	Anukul	Anukul
12.	411517104012	Anusha iyer B	Anusha	Anusha	Anusha	Anusha	Anusha
13.	411517104013	Aravindh A	Aravindh	Aravindh	Aravindh	Aravindh	Aravindh
14.	411517104015	Archana B S	Archana	Archana	Archana	Archana	Archana
15.	411517104016	Ashwath Jabez	Ashwath	Ashwath	Ashwath	Ashwath	Ashwath

Peri Institute of Technology

		Thomson R	Thomson	Thomson	Thomson	Thomson	Thomson
16.	411517104017	Bharath R	Bharath R	Bharath R	Bharath R	Bharath R	Bharath R
17.	411517104018	Bhuvaneshwari P	Bhuvaneshwari P	Bhuvaneshwari P	Bhuvaneshwari P	Bhuvaneshwari P	Bhuvaneshwari P
18.	411517104019	Chakali viswatheja	Chakali viswatheja	Chakali viswatheja	Chakali viswatheja	Chakali viswatheja	Chakali viswatheja
19.	411517104020	Charan kumar K	Charan kumar K	Charan kumar K	Charan kumar K	Charan kumar K	Charan kumar K
20.	411517104021	Chengaiyah P	Chengaiyah P	Chengaiyah P	Chengaiyah P	Chengaiyah P	Chengaiyah P
21.	411517104022	Dhakshana moorthy R	Dhakshana moorthy R	Dhakshana moorthy R	Dhakshana moorthy R	Dhakshana moorthy R	Dhakshana moorthy R
22.	411517104023	Dharmaraj M	Dharmaraj M	Dharmaraj M	Dharmaraj M	Dharmaraj M	Dharmaraj M
23.	411517104024	Dhaya B	Dhaya B	Dhaya B	Dhaya B	Dhaya B	Dhaya B
24.	411517104025	Ebenezer Solomon E	Ebenezer Solomon E	Ebenezer Solomon E	Ebenezer Solomon E	Ebenezer Solomon E	Ebenezer Solomon E
25.	411517104026	Elavarasan M	Elavarasan M	Elavarasan M	Elavarasan M	Elavarasan M	Elavarasan M
26.	411517104027	Erupalli venu	Erupalli venu	Erupalli venu	Erupalli venu	Erupalli venu	Erupalli venu
27.	411517104028	Ganesh K	Ganesh K	Ganesh K	Ganesh K	Ganesh K	Ganesh K
28.	411517104029	Ganeshkumar P	Ganeshkumar P	Ganeshkumar P	Ganeshkumar P	Ganeshkumar P	Ganeshkumar P
29.	411517104030	Ganta Harischandra Prasad	Ganta Harischandra Prasad	Ganta Harischandra Prasad	Ganta Harischandra Prasad	Ganta Harischandra Prasad	Ganta Harischandra Prasad
30.	411517104031	Gayathri S	Gayathri S	Gayathri S	Gayathri S	Gayathri S	Gayathri S
31.	411517104032	Gokul S	Gokul S	Gokul S	Gokul S	Gokul S	Gokul S
32.	411517104033	Gowthami U	Gowthami U	Gowthami U	Gowthami U	Gowthami U	Gowthami U
33.	411517104034	Hariharan J	Hariharan J	Hariharan J	Hariharan J	Hariharan J	Hariharan J
34.	411517104035	Hari Krishnan N	Hari Krishnan N	Hari Krishnan N	Hari Krishnan N	Hari Krishnan N	Hari Krishnan N
35.	411517104036	Hari priya S	Hari priya S	Hari priya S	Hari priya S	Hari priya S	Hari priya S
36.	411517104037	Hemaranjane A	Hemaranjane A	Hemaranjane A	Hemaranjane A	Hemaranjane A	Hemaranjane A

Prakash

37.	411517104038	Jagadeshwaran J	Jameer	Jameer	Jameer	Jameer	Jameer
38.	411517104039	Jameer Syed Ibrahim J	Jameer	Jameer	Jameer	Jameer	Jameer
39.	411517104040	Jothi lakshmi M	Jothi	Jothi	Jothi	Jothi	Jothi
40.	411517104041	Kankanala Tejo Abhinay Kumar	Kanika Abhi	Kanika Abhi	Kanika Abhi	Kanika Abhi	Kanika Abhi
41.	411517104044	Karthikeyan P V	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan
42.	411517104045	Kaviya sree N	Kaviya	Kaviya	Kaviya	Kaviya	Kaviya
43.	411517104046	Keerthiga V	Keerthiga	Keerthiga	Keerthiga	Keerthiga	Keerthiga
44.	411517104049	Lalith Kumar S	Lalith	Lalith	Lalith	Lalith	Lalith
45.	411517104051	Lokeshwar S	Lokeshwar	Lokeshwar	Lokeshwar	Lokeshwar	Lokeshwar
46.	411517104052	Madhu Mani G	Madhu	Madhu	Madhu	Madhu	Madhu
47.	411517104053	Manikandan H	Manikandan	Manikandan	Manikandan	Manikandan	Manikandan
48.	411517104054	Manikandan S	Manikandan	Manikandan	Manikandan	Manikandan	Manikandan
49.	411517104055	Mathan kumar P	Mathan	Mathan	Mathan	Mathan	Mathan
50.	411517104058	Muppavarapu vinod	Muppavarapu	Muppavarapu	Muppavarapu	Muppavarapu	Muppavarapu
51.	411517104059	Murugappan K	Murugappan	Murugappan	Murugappan	Murugappan	Murugappan
52.	411517104060	Muthu A	Muthu	Muthu	Muthu	Muthu	Muthu
53.	411517104062	Narayane V	Narayane	Narayane	Narayane	Narayane	Narayane
54.	411517104063	Nattudurai P	Nattudurai	Nattudurai	Nattudurai	Nattudurai	Nattudurai
55.	411517104064	Nithya shree K	Nithya	Nithya	Nithya	Nithya	Nithya
56.	411517104065	Nivethitha R B	Nivethitha	Nivethitha	Nivethitha	Nivethitha	Nivethitha
57.	411517104066	Padmanaban P	Padmanaban	Padmanaban	Padmanaban	Padmanaban	Padmanaban

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58.	411517104067	Pallpolu Govardhan Reddy	Gov	Gov	Gov	Gov	Gov
59.	411517104069	Poornima A	Poon	Poon	Poon	Poon	Poon
60.	411517104070	Pothuru Venkata Likhith Suraj	Poth	Poth	Poth	Poth	Poth
61.	411517104071	Pradeep kumar S	Prad	Prad	Prad	Prad	Prad
62.	411517104072	Prasanth M	Pras	Pras	Pras	Pras	Pras
63.	411517104073	Praveen S U	Prav	Prav	Prav	Prav	Prav
64.	411517104074	Praveen kumar A	Prav	Prav	Prav	Prav	Prav
65.	411517104075	Praveen Kumar C	Prav	Prav	Prav	Prav	Prav
66.	411517104076	Praveen kumar M	Prav	Prav	Prav	Prav	Prav
67.	411517104077	Pravindhran R	Prav	Prav	Prav	Prav	Prav
68.	411517104078	Preetha M	Pre	Pre	Pre	Pre	Pre
69.	411517104079	Priya R	Priya	Priya	Priya	Priya	Priya
70.	411517104080	Raaj Akhas Nithish S V	Raaj	Raaj	Raaj	Raaj	Raaj
71.	411517104081	Ragul K	Ragul	Ragul	Ragul	Ragul	Ragul
72.	411517104082	Ragul Gandhi D	Ragul	Ragul	Ragul	Ragul	Ragul
73.	411517104083	Raja ragavan I	Raja	Raja	Raja	Raja	Raja
74.	411517104085	Ramakrishnan V	Ram	Ram	Ram	Ram	Ram
75.	411517104086	Rohit P	Rohit	Rohit	Rohit	Rohit	Rohit
76.	411517104087	Roopan Abishek M	Roop	Roop	Roop	Roop	Roop
77.	411517104088	Safiya S	Safia	Safia	Safia	Safia	Safia
78.	411517104090	Sanjay S	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay

Dattababu

79.	411517104093	Sathana R	S	S	S	S	S
80.	411517104094	Sathiya priya S	S	S	S	S	S
81.	411517104095	Senthatti S	S	S	S	S	S
82.	411517104096	Senthil kumar D	S	S	S	S	S
83.	411517104097	Sheefa Y	S	S	S	S	S
84.	411517104098	Sindhuja U	S	S	S	S	S
85.	411517104099	Siva karthick S	S	S	S	S	S
86.	411517104100	Sonia D M	S	S	S	S	S
87.	411517104101	Soriyamani I	S	S	S	S	S
88.	411517104102	Sowmiya C	S	S	S	S	S
89.	411517104103	Sri devi M	S	S	S	S	S
90.	411517104104	Supraja M	S	S	S	S	S
91.	411517104105	Surendran S	S	S	S	S	S
92.	411517104106	Utukuri Naga Venkata Sai Manikanta	S	S	S	S	S
93.	411517104107	Vallarasu R	S	S	S	S	S
94.	411517104108	Varsha R	S	S	S	S	S
95.	411517104109	Varun G	S	S	S	S	S
96.	411517104110	Vasanthan K	S	S	S	S	S
97.	411517104111	Vasanth Raj S N	S	S	S	S	S
98.	411517104112	Vema Vamsi Revanth	S	S	S	S	S
99.	411517104113	Vignesh B	S	S	S	S	S

Senthil Kumar

100.	411517104115	Vigneshwar R	VR	VR	VR	VR	VR
101.	411517104116	Vijaya anandan T	VR	VR	VR	VR	VR
102.	411517104117	Vishal M	VR	VR	VR	VR	VR
103.	411517104119	Vishalkaarthik R R	VR	VR	VR	VR	VR
104.	411517104120	Vishnu M	VR	VR	VR	VR	VR
105.	411517104121	Vishnu M K	VR	VR	VR	VR	VR
106.	411517104122	Yalmozhi D	VR	VR	VR	VR	VR
107.	411517104124	Yuvanesh Kanna S P	VR	VR	VR	VR	VR
108.	411517104125	Yuvashri U	VR	VR	VR	VR	VR
109.	411517104302	Naveen C	VR	VR	VR	VR	VR
110.	411517104701	Catherine Ruth W D	VR	VR	VR	VR	VR

Lekhi P
10/9/2019
Co-ordinator

[Signature]
HOD

[Signature]
Dr. R. PALSON KENNEDY, M.E., Ph.D.
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PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021

FEEDBACK FORM

DATE:

20/08/2019

Name of the Student: Gnanatharish
Register No: 411517104031
Year/Semester: IV / 4th
Course Code: CS020
Course Name: JOT application

1. What is your assessment of the course material?

The assessment of the course was very help full

2. How effective was the instructor's delivery of the content?

The content is cleared explained, I got more knowledge

3. Rate the overall quality of the program.

★★★★ (4 star)

4. Would you suggest this program to your peers or underclassmen?

Yes

5. Suggestions for enhancement, if any:

No suggestions

Signature of the Student

Gnanatharish

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021

FEEDBACK FORM

DATE: 20/08/2019

Name of the Student: Haripriya-S
Register No: 411571104036
Year/Semester: IV/VII
Course Code: CS020
Course Name: IOT and its application

1. What is your assessment of the course material?

The content is given by the instructor's are very useful. In examination accepts the material is more than enough for us.

2. How effective was the instructor's delivery of the content?

It's very clearly explained and I understand the whole concept of the IOT.

3. Rate the overall quality of the program.

★★★★★ (5 Star)

4. Would you suggest this program to your peers or underclassmen?

Yes

5. Suggestions for enhancement, if any:

Give the Real time Project on IOT.

Signature of the Student

Haripriya-S

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021

FEEDBACK FORM

DATE: 20.8.2019

Name of the Student: GIANESH. K
Register No: 411517104027
Year/Semester FINAL YEAR / 7th
Course Code: CS020
Course Name: IOT AND ITS APPLICATION.

1. What is your assessment of the course material?

The assessment of the course material is enough for my exams.

2. How effective was the instructor's delivery of the content?

The instructor deliver the content. It is very helpful for us.

3. Rate the overall quality of the program.

★ ★ ★ 5 star.
★ ★

4. Would you suggest this program to your peers or underclassmen?

Yes. I suggest this program for my underclassmen

5. Suggestions for enhancement, if any:

No suggestions.

Signature of the Student

Gianesh.

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Organizes

ADD ON COURSE IN

"IOT AND ITS APPLICATIONS"

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms. _____

Sri Devi M

of IV Year, Computer Science and Engineering, PERI Institute of Technology has completed an add on course in **IOT AND ITS APPLICATIONS** held from **16 AUG 2019** to **20 AUG 2019**.

[Signature]
PRINCIPAL

[Signature]
COURSE COORDINATOR

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Organizes

ADD ON COURSE IN

"IOT AND ITS APPLICATIONS"

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms. _____

Varun G

of IV Year, Computer Science and Engineering, PERI Institute of Technology has completed an add on course in **IOT AND ITS APPLICATIONS** held from **16 AUG 2019** to **20 AUG 2019**.

[Signature]
PRINCIPAL

[Signature]
COURSE COORDINATOR

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2019-2020

Ref: PERIIT /ECE/Add-On Course/2019-20/01

Date: 03.10.2019

CIRCULAR

The Electronics and Communication Engineering Department of PERI IT has planned to conduct Add-on course titled “INDUSTRIAL BASED EMBEDDED SYSTEM” for the Academic Year 2019 – 2020 for II & III year ECE students.

S.No.	Year	Scheduled Date	Session 1	Session 2
1	II,III	08.10.2019-15.10.2019	10.00AM to 11.45AM	12.30PM to 3.30PM

H. P. K.
31/10/19

Co-ordinator

La

Head of the Department

Head of the Department

ELECTRONICS AND COMMUNICATION ENGINEERING

PERI INSTITUTE OF TECHNOLOGY

CHENNAI - 600 048.

Copy To:

1. Principal
2. Vice – Principal
3. IQAC
4. Faculty Members -ECE
5. Notice Board

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2019-2020

Minutes of Meeting for Add-On Course-ECW011-Industrial based Embedded system

Venue: HOD Room, Beta Block , PERI

Date: 05 /10/2019 Time:1200pm-1.00pm

Agenda of the meeting:

1. Syllabus preparation
2. Tentative Time Table
3. Assessment method

Members present:

1. Ms.Jasmine Jeni, HOD/ECE
2. Mr.M.Ranjith kumar, Managing Director of CCTI.
3. Ms.Lakshmi priya, Co-ordinator
4. Dr.G.Charulatha, Associate Professor, ECE

Ms.Lakshmi priya Coordinator welcomed and briefed the committee members about the agenda.

Agenda Item 1:Syllabus preparation for Industrial Based Embedded system.

The syllabus is framed accordingly in order to meet the objectives of the course, various Universities, IITs, NITs syllabus has been taken into consideration for syllabus preparation.

Agenda Item 2: Tentative Time Table

The timetable is prepared as per the university requirement and communicated to the subject expert.

Agenda Item 3: Assessment method

Assessment will be conducted at the end of the course




Coordinator



Senior faculty member



HOD/ECE



PRINCIPAL

Dr. R. PALSON KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SHORT DESCRIPTION

Workshop Code: ECW011

Workshop Name: Industrial Based Embedded system

Industrial embedded systems are used in a variety of critical devices and applications. They can be used for booting, machine control, and memory. Because these embedded systems are industrial grade, they are designed to tolerate the extreme operating conditions of industrial environments. Industrial embedded systems are widely used in critical devices and applications. They can handle extreme operating conditions found in industrial environments, making them essential for tasks like machine control and memory management.

COURSE OBJECTIVES

- To become aware of the core characteristics and quality attributes of embedded systems
- To learn application specific and domain specific embedded systems, the embedded hardware and peripherals
- To design and develop using the real time operating system.

COURSE OUTCOMES:

- Improving productivity and efficiency by automating repetitive tasks and streamlining processes.
- Facilitating proactive monitoring and early hazard detection.
- Enhancing safety and risk management through cutting-edge technologies like AI, ML, and IoT.
- Enabling factory automation and increasing factory productivity and efficiencies.
- Optimizing machine functionalities and production line performance.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SYLLABUS

MODULE I: EMBEDDED C

Introduction of EMBEDDED C-Inter working of Assembly & Embedded C

Programming & Interfacing using EMBEDDED C-Interfacing of LCD-

Interfacing of Switches & Keyboard Matrix

MODULE II: MICROCONTROLLER TOOLS

Interrupt driven Programming-Computer Languages-Embedded Development Tools-

Designing with Microcontrollers-Advanced Embedded System PIC-Classification of

Microprocessor & Microcontroller

MODULE III: INTERFACING AND PROGRAMMING

Brief Introduction to Computer Architecture-Introduction to PIC18 Compiler/ Simulator-

Protocol Interfacing-Introduction to CCP and ECCP programming-Embedded Systems with

Microcontroller (AVR)

MODULE IV: REAL WORLD INTERFACING

Embedded Systems (ARM)-Embedded development tools-Real world interfacing –

MOTORS-Introduction to PIC18 Compiler-ASP Embedded System Generic Handlers-Block

Description of PIC 18F458



Coordinator



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PERI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

TIME TABLE

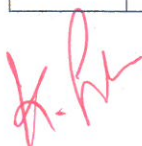
Workshop Code: ECW011

Year:II & III

Workshop Name: Industrial Based Embedded System

Session: FN &AN

S.No	DATE	HOURS	TOPIC
1	08.10.2019	3 rd -8th	Introduction of EMBEDDED C-Inter working of Assembly & Embedded C Programming & Interfacing using EMBEDDED C
2	09.10.2019	3 rd -8th	-Interfacing of LCD-Interfacing of Switches & Keyboard Matrix-Interrupt driven Programming-Computer Languages-Embedded Development Tools
3	10.10.2019	3 rd -8th	Designing with Microcontrollers-Advanced Embedded System PIC-Classification of Microprocessor & Microcontroller
4	11.10.2019	3 rd -8th	Brief Introduction to Computer Architecture-Introduction to PIC18 Compiler/ Simulator-Protocol Interfacing-Introduction to CCP and ECCP programming-
5	14.10.2019	3 rd -8th	Embedded Systems with Microcontroller (AVR). Embedded Systems (ARM)-Embedded development tools-Real world interfacing – MOTORS-
6	15.10.2019	3 rd -8th	Introduction to PIC18 Compiler-ASP Embedded System Generic Handlers-Block Description of PIC 18F458



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**PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ECE
ACADEMIC YEAR 2019-2020
II/ECE**

S.NO.	REG. NO	STUDENT NAME
1	411518106001	ABINAYA S
2	411518106002	AJAYKUMAR D
3	411518106004	ANGELO JUDE DUMENIL
4	411518106007	ASHWINI M
5	411518106008	ASLAM BADUS HA I
6	411518106009	BARATHWAJ K R
7	411518106011	BEVINA M
8	411518106012	BUDDANNAGARI MADHU
9	411518106014	DINESH S
10	411518106015	EVANGLIN S
11	411518106017	GENJI MUKHESH REDDY
12	411518106018	GOKUL KRISHNAN M
13	411518106019	HABIBUNNISHA
14	411518106020	INTHIRAN R
15	411518106021	ISHRATH JABEEN S
16	411518106023	JAYAKAMALA NARAYANAN N
17	411518106024	JEEVA B M
18	411518106026	KALAIVANI CHAKKARAPANI
19	411518106028	KAVITHA R
20	411518106030	KIRUBAKARAN S
21	411518106031	KOKILAVANI P
22	411518106036	MALLAVARAPU SHREYA
23	411518106037	MANOJ KUMAR N
24	411518106038	MIDHUNA VARSHINI J
25	411518106039	MOHANKUMAR P
26	411518106046	NIDHI SELVAN J C
27	411518106048	PRASANTH R
28	411518106049	PRAVEENA R
29	411518106050	PRAWIN CHANDAR B
30	411518106054	RAMESH ARAVIND T
31	411518106055	RAYAPATI SOWMYA SUHANNA PRIYA
32	411518106056	RINOZA K
33	411518106059	SANJAI SAIRAM S K
34	411518106064	SUNDAR R
35	411518106065	SURYA D
36	411518106067	SUVASNA M

**PERI INSTITUTE OF TECHNOLOGY
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37	411518106069	VAKA HARSHITHA
38	411518106072	YASER ABDUL RAHEEM K S
39	411518106003	AKASH PRIYADHARSAN B
40	411518106005	ANUGU PAVAN
41	411518106006	ARIVUKARASU T
42	411518106010	BESTHA BHAVANA RAVIKUMAR
43	411518106013	CHANDRU M
44	411518106016	GANESH A
45	411518106022	JANANI PRIYA D
46	411518106025	JOTHIKA V
47	411518106027	KAMALESH J
48	411518106029	KIRAN RAJ A
49	411518106032	KUMARAN K
50	411518106033	LAGADAPATI BADRINATH
51	411518106035	MAHESH KUMAR V
52	411518106040	MONISH B
53	411518106041	MUKESH S
54	411518106042	MUKUNTHAN S
55	411518106043	NAGASUBA G
56	411518106044	NAVEEN S
57	411518106045	NEELAM PRANAY SA
58	411518106047	NITHISH KUMAR C
59	411518106051	PREM KUMAR M D
60	411518106052	RAGAPRIYA M
61	411518106057	RITHICKANAND N
62	411518106058	SAMEERA BANU B
63	411518106060	SANJAY RAMESH R
64	411518106062	SRIRAM I
65	411518106063	SUJAI MATHEW B
66	411518106066	SURYA G
67	411518106068	THIRAVIDAR SELVAM G
68	411518106070	VENKATESH R
69	411518106071	YAKESH G
70	411518106301	ARUN KUMAR.E
71	411518106302	LOGESH.S
72	411518106303	ZAINUL KHAN.A

**PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ECE
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III/ECE**

S.NO.	REG. NO	STUDENT NAME
1	411517106001	AAKASH C.S
2	411517106002	AAKASH RAJ S
3	411517106003	ABDULLA A
4	411517106004	AGNISHA V.
5	411517106005	AILEEN MERCYBELL A
6	411517106006	AKASH S
7	411517106008	ANNAPUREDDY DHANA LAKSHMI A
8	411517106009	ARASAVALLI TEJA DURGA SAI S.
9	411517106010	ARUN K.S.
10	411517106011	ARUNESHWARAN M
11	411517106012	ASHIKA K
12	411517106013	BALAJI N
13	411517106014	VAMSI KRISHNA B.
14	411517106015	BHARATH BALAJI R
15	411517106016	BOYA VENKATA RAKESH B.
16	411517106018	CHINTALA.SUPRIYA S.
17	411517106019	CHUKKA MONICA B.
18	411517106020	DEEPIKA M.
19	411517106021	DELLI GANESH G
20	411517106022	DINESH V
21	411517106023	DIVYA PRIYA R.
22	411517106024	EURO SRI M.

**PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ECE
ACADEMIC YEAR 2019-2020
III/ECE**

23	411517106025	GADIKOTA DEEKSHITHA G.
24	411517106026	GADI MANO VARSHITH G.
25	411517106027	GANESH KARAN K
26	411517106028	GAYATHRI K
27	411517106029	GNANAPRASATH L
28	411517106030	GUPENDHIRAN S
29	411517106031	GURRALA HARI R.
30	411517106032	GURUDHARSAN B
31	411517106033	HARIHARAN K
32	411517106034	HARIPRIYA B.
33	411517106035	ILANGO M
34	411517106036	JAIGANESH S
35	411517106038	JAVANGULA MANICHAND J
36	411517106040	JOTHIKA A
37	411517106041	KALAIVANI K
38	411517106042	KAMALEESHWAR M
39	411517106043	KAMESH M
40	411517106044	KAMESH R
41	411517106045	KANICKAI RAJ J
42	411517106046	KARTHIC B
43	411517106047	KARTHIKEYAN A
44	411517106048	KATHIRAVAN G
45	411517106049	KAVIN J
46	411517106051	KEERTHANA L

**PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ECE
ACADEMIC YEAR 2019-2020
III/ECE**

47	411517106052	KEERTHI RAJAN A.S
48	411517106053	SASIDHAR NAIDU K
49	411517106054	KISHORE KUMAR M
50	411517106056	KRISHNARAJ V
51	411517106057	KUMARAN J
52	411517106058	LAKSHMI AISHWARYA R.
53	411517106059	LEENA S
54	411517106060	LOGESH S
55	411517106061	LOGESHWARI G.
56	411517106062	LOKESHKUMAR M.
57	411517106063	LOKESH KUMAR G
58	411517106064	LOKESHWARAN P
59	411517106065	MADHAN RAJ P.
60	411517106066	MANIBHARATHI S.
61	411517106067	MANISHA V.
62	411517106068	MARY K
63	411517106069	MOHAMMED SHAARIF K
64	411517106070	MOHANA N
65	411517106071	MONISHA M.
66	411517106072	KRANTHI KUMAR N
67	411517106076	KIRAN KUMAR REDDY O.
68	411517106077	PADMASHREE M.
69	411517106079	PRADEEP K.V
70	411517106081	PRAVEEN S

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71	411517106082	RAGAVENDER S
72	411517106083	RAJA SHREE B
73	411517106084	RAKINI C.
74	411517106085	RAMAPRAKASH G.
75	411517106086	RAVEEN KUMAR M
76	411517106087	RUPA SRI V M
77	411517106088	SAI SRUTHI K
78	411517106089	SANDHIYA V
79	411517106090	SANJAY S
80	411517106091	SANTHANA KARTHICK D
81	411517106092	SELVA DHARSHINI V
82	411517106093	SELVA SOORIYA S
83	411517106094	SHANTHI V.
84	411517106095	SHARON GRACE BETSY G
85	411517106096	SHESHI KUMAR G.R
86	411517106097	SHIVAHARI P
87	411517106098	SIVA KUMAR S
88	411517106099	SIVA SARAVANAN K
89	411517106101	SRIRAM E.
90	411517106102	SUBALAKSHMI H
91	411517106104	UMA MAGHESWARI K
92	411517106105	YAMINI CHOWDARY U
93	411517106106	VALLARASU R
94	411517106107	VASANTH KUMAR.K

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95	411517106108	VIGNESH A
96	411517106109	VIGNESH P
97	411517106110	VIJAYALAKSHMI G
98	411517106111	VIJITHRA V.
99	411517106112	VINODHINI S
100	411517106113	VUNNAM SUCHARITHA V.
101	411517106114	YAKESH C
102	411517106115	YAZHIR ARAFATH A
103	411517106301	SUDALAI MUTHU
104	411517106302	SURYA
105	411517106303	VIGNESH . L

PERI INSTITUTE OF TECHNOLOGY
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Attendance Sheet for Industrial Based Embedded system

S.NO	REG. NO.	NAME OF THE STUDENT	8.10.19	9.10.19	10.10.19	11.10.19	14.10.19	15.10.19
1	411518106001	Abinaya S	As	As	As	As	As	As
2	411518106002	Ajaykumar D	As	As	As	As	As	As
3	411518106004	Angelo Jude Dumenil	As	As	As	As	As	As
4	411518106007	Ashwini M	As	As	As	As	As	As
5	411518106008	Aslam Badus Ha I	As	As	As	As	As	As
6	411518106009	Barathwaj K R	As	As	As	As	As	As
7	411518106011	Bevina M	As	As	As	As	As	As
8	411518106012	Buddannagari Madhu	As	As	As	As	As	As
9	411518106014	Dinesh S	As	As	As	As	As	As
10	411518106015	Evanglin S	As	As	As	As	As	As
11	411518106017	Genji Mukhesh Reddy	As	As	As	As	As	As
12	411518106018	Gokul Krishnan M	As	As	As	As	As	As
13	411518106019	Habibunnisha	As	As	As	As	As	As
14	411518106020	Inthiran R	As	As	As	As	As	As
15	411518106021	Ishrath Jabeen S	As	As	As	As	As	As
16	411518106023	Jayakamala Narayanan N	As	As	As	As	As	As
17	411518106024	Jeeva B M	As	As	As	As	As	As
18	411518106026	Kalaivani Chakkarapani	As	As	As	As	As	As
19	411518106028	Kavitha R	As	As	As	As	As	As
20	411518106030	Kirubakaran S	As	As	As	As	As	As
21	411518106031	Kokilavani P	As	As	As	As	As	As
22	411518106036	Mallavarapu Shreya	As	As	As	As	As	As
23	411518106037	Manoj Kumar N	As	As	As	As	As	As
24	411518106038	Midhuna Varshini J	As	As	As	As	As	As
25	411518106039	Mohankumar P	As	As	As	As	As	As
26	411518106046	Nidhi Selvan J C	As	As	As	As	As	As
27	411518106048	Prasanth R	As	As	As	As	As	As
28	411518106049	Praveena R	As	As	As	As	As	As

29	411518106050	Prawin Chandar B	B. Prad	B. Prad	B. Prad	B. Prad	B. Prad	B. Prad
30	411518106054	Ramesh Aravind T	Ramsh	Ramsh	Ramsh	Ramsh	Ramsh	Ramsh
31	411518106055	Rayapati Sowmya Suhanna	Somy	Somy	Somy	Somy	Somy	Somy
32	411518106056	Rinoza K	Rinsh	Rinsh	Rinsh	Rinsh	Rinsh	Rinsh
33	411518106059	Sanjai Sairam S K	Sanjai	Sanjai	Sanjai	Sanjai	Sanjai	Sanjai
34	411518106064	Sundar R	Sundar	Sundar	Sundar	Sundar	Sundar	Sundar
35	411518106065	Surya D	Surya	Surya	Surya	Surya	Surya	Surya
36	411518106067	Suvasna M	Suvasna	Suvasna	Suvasna	Suvasna	Suvasna	Suvasna
37	411518106069	Vaka Harshitha	Vaka	Vaka	Vaka	Vaka	Vaka	Vaka
38	411518106072	Yaser Abdul Raheem K S	Yaser	Yaser	Yaser	Yaser	Yaser	Yaser
39	411518106003	Akash Priyadharsan B	Akash	Akash	Akash	Akash	Akash	Akash
40	411518106005	Anugu Pavan	Anugu	Anugu	Anugu	Anugu	Anugu	Anugu
41	411518106006	Arivukarasu T	Aru	Aru	Aru	Aru	Aru	Aru
42	411518106010	Bestha Bhavana Ravikumar	Bestha	Bestha	Bestha	Bestha	Bestha	Bestha
43	411518106013	Chandru M	Chandru	Chandru	Chandru	Chandru	Chandru	Chandru
44	411518106016	Ganesh A	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
45	411518106022	Janani Priya D	Janani	Janani	Janani	Janani	Janani	Janani
46	411518106025	Jothika V	Jothika	Jothika	Jothika	Jothika	Jothika	Jothika
47	411518106027	Kamalesh J	Kamalesh	Kamalesh	Kamalesh	Kamalesh	Kamalesh	Kamalesh
48	411518106029	Kiran Raj A	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
49	411518106032	Kumaran K	Kumaran	Kumaran	Kumaran	Kumaran	Kumaran	Kumaran
50	411518106033	Lagadapati Badrinath	Lagadapati	Lagadapati	Lagadapati	Lagadapati	Lagadapati	Lagadapati
51	411518106035	Mahesh Kumar V	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh
52	411518106040	Monish B	Monish	Monish	Monish	Monish	Monish	Monish
53	411518106041	Mukesh S	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh
54	411518106042	Mukunthan S	Mukunthan	Mukunthan	Mukunthan	Mukunthan	Mukunthan	Mukunthan
55	411518106043	Nagasuba G	Nagasuba	Nagasuba	Nagasuba	Nagasuba	Nagasuba	Nagasuba
56	411518106044	Naveen S	Naveen	Naveen	Naveen	Naveen	Naveen	Naveen
57	411518106045	Neelam Pranay Sa	Neelam	Neelam	Neelam	Neelam	Neelam	Neelam
58	411518106047	Nithish Kumar C	Nithish	Nithish	Nithish	Nithish	Nithish	Nithish
59	411518106051	Prem Kumar M D	Prem	Prem	Prem	Prem	Prem	Prem
60	411518106052	Ragapriya M	Ragapriya	Ragapriya	Ragapriya	Ragapriya	Ragapriya	Ragapriya
61	411518106057	Rithickanand N	Rithickanand	Rithickanand	Rithickanand	Rithickanand	Rithickanand	Rithickanand

62	411518106058	Sameera Banu B	<i>Sameera</i>	<i>Sameera</i>	<i>Sameera</i>	<i>Sameera</i>	<i>Sameera</i>	<i>Sameera</i>
63	411518106060	Sanjay Ramesh R	<i>Sanjay R</i>	<i>Sanjay R</i>	<i>Sanjay R</i>	<i>Sanjay R</i>	<i>Sanjay R</i>	<i>Sanjay R</i>
64	411518106062	Sriram I	<i>SRI RAM</i>	<i>SRI RAM</i>	<i>SRI RAM</i>	<i>SRI RAM</i>	<i>SRI RAM</i>	<i>SRI RAM</i>
65	411518106063	Sujai Mathew B	<i>Sujai</i>	<i>Sujai</i>	<i>Sujai</i>	<i>Sujai</i>	<i>Sujai</i>	<i>Sujai</i>
66	411518106066	Surya G	<i>Surya</i>	<i>Surya</i>	<i>Surya</i>	<i>Surya</i>	<i>Surya</i>	<i>Surya</i>
67	411518106068	Thiravidar Selvam G	<i>Selva</i>	<i>Selva</i>	<i>Selva</i>	<i>Selva</i>	<i>Selva</i>	<i>Selva</i>
68	411518106070	Venkatesh R	<i>Venkatesh</i>	<i>Venkatesh</i>	<i>Venkatesh</i>	<i>Venkatesh</i>	<i>Venkatesh</i>	<i>Venkatesh</i>
69	411518106071	Yakesh G	<i>Yakesh</i>	<i>Yakesh</i>	<i>Yakesh</i>	<i>Yakesh</i>	<i>Yakesh</i>	<i>Yakesh</i>
70	411518106301	Arun Kumar.E	<i>Arun</i>	<i>Arun</i>	<i>Arun</i>	<i>Arun</i>	<i>Arun</i>	<i>Arun</i>
71	411518106302	Logesh.S	<i>Logesh</i>	<i>Logesh</i>	<i>Logesh</i>	<i>Logesh</i>	<i>Logesh</i>	<i>Logesh</i>
72	411518106303	Zainul Khan.A	<i>Zainul Khan</i>	<i>Zainul Khan</i>	<i>Zainul Khan</i>	<i>Zainul Khan</i>	<i>Zainul Khan</i>	<i>Zainul Khan</i>
PRESENT			<i>72</i>	<i>72</i>	<i>72</i>	<i>72</i>	<i>72</i>	<i>72</i>
ABSENT			<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

K.R.

Coordinator

Las

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Dr. R. Palson Kennedy

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Mannivakkam, Chennai - 600 048.

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ECE

Attendance Sheet for Industrial Based Embedded system

S.NO	REG. NO.	NAME OF THE STUDENT	8.10.19	9.10.19	10.10.19	11.10.19	14.10.19	15.10.19
1	411517106001	Aakash C.S	Aakash	Aakash	Aakash	Aakash	Aakash	Aakash
2	411517106002	Aakash Raj S	Aakash	Aakash	Aakash	Aakash	Aakash	Aakash
3	411517106003	Abdulla A	Abdulla	Abdulla	Abdulla	Abdulla	Abdulla	Abdulla
4	411517106004	Agnisha V.	Agnisha	Agnisha	Agnisha	Agnisha	Agnisha	Agnisha
5	411517106005	Aileen Mercybelle A	Aileen	Aileen	Aileen	Aileen	Aileen	Aileen
6	411517106006	Akash S	Akash	Akash	Akash	Akash	Akash	Akash
7	411517106008	Annapureddy Dhana Lakshmi A	Annapureddy	Annapureddy	Annapureddy	Annapureddy	Annapureddy	Annapureddy
8	411517106009	Arasavalli Teja Durga Sai S.	Arasavalli	Arasavalli	Arasavalli	Arasavalli	Arasavalli	Arasavalli
9	411517106010	Arun K.S.	Arun	Arun	Arun	Arun	Arun	Arun
10	411517106011	Aruneshwaran M	Aruneshwaran	Aruneshwaran	Aruneshwaran	Aruneshwaran	Aruneshwaran	Aruneshwaran
11	411517106012	Ashika K	Ashika	Ashika	Ashika	Ashika	Ashika	Ashika
12	411517106013	Balaji N	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji
13	411517106014	Vamsi Krishna B.	Vamsi	Vamsi	Vamsi	Vamsi	Vamsi	Vamsi
14	411517106015	Bharath Balaji R	Bharath	Bharath	Bharath	Bharath	Bharath	Bharath
15	411517106016	Boya Venkata Rakesh B.	Boya	Boya	Boya	Boya	Boya	Boya
16	411517106018	Chintala.Supriya S.	Chintala	Chintala	Chintala	Chintala	Chintala	Chintala
17	411517106019	Chukka Monica B.	Chukka	Chukka	Chukka	Chukka	Chukka	Chukka
18	411517106020	Deepika M.	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika
19	411517106021	Delli Ganesh G	Delli	Delli	Delli	Delli	Delli	Delli
20	411517106022	Dinesh V	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
21	411517106023	Divya Priya R.	Divya	Divya	Divya	Divya	Divya	Divya
22	411517106024	Euro Sri M.	Euro	Euro	Euro	Euro	Euro	Euro
23	411517106025	Gadikota Deekshitha G.	Gadikota	Gadikota	Gadikota	Gadikota	Gadikota	Gadikota
24	411517106026	Gadi Mano Varshith G.	Gadi	Gadi	Gadi	Gadi	Gadi	Gadi
25	411517106027	Ganesh Karan K	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
26	411517106028	Gayathri K	Gayathri	Gayathri	Gayathri	Gayathri	Gayathri	Gayathri
27	411517106029	Gnanaprasath L	Gnanaprasath	Gnanaprasath	Gnanaprasath	Gnanaprasath	Gnanaprasath	Gnanaprasath
28	411517106030	Gupendhiran S	Gupendhiran	Gupendhiran	Gupendhiran	Gupendhiran	Gupendhiran	Gupendhiran

29	411517106031	Gurrala Hari R.	Hari R	Hari R	Hari R	Hari R	Hari R	Hari R
30	411517106032	Gurudharsan B	Gurudharsan	Gurudharsan	Gurudharsan	Gurudharsan	Gurudharsan	Gurudharsan
31	411517106033	Hariharan K	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan
32	411517106034	Haripriya B.	Haripriya	Haripriya	Haripriya	Haripriya	Haripriya	Haripriya
33	411517106035	Ilango M	Ilango	Ilango	Ilango	Ilango	Ilango	Ilango
34	411517106036	Jaiganesh S	Jaiganesh	Jaiganesh	AB	Jaiganesh	Jaiganesh	Jaiganesh
35	411517106038	Javangula Manichand J	Javangula	Javangula	AB	Javangula	Javangula	Javangula
36	411517106040	Jothika A	Jothika	Jothika	Jothika	Jothika	Jothika	Jothika
37	411517106041	Kalaivani K	Kalaivani	Kalaivani	Kalaivani	Kalaivani	Kalaivani	Kalaivani
38	411517106042	Kamaleeshwar M	Kamaleeshwar	Kamaleeshwar	Kamaleeshwar	AB	Kamaleeshwar	Kamaleeshwar
39	411517106043	Kamesh M	Kamesh	Kamesh	Kamesh	AB	Kamesh	Kamesh
40	411517106044	Kamesh R	Kamesh	Kamesh	Kamesh	AB	Kamesh	Kamesh
41	411517106045	Kanickai Raj J	Kanickai	Kanickai	Kanickai	AB	Kanickai	Kanickai
42	411517106046	Karthic B	Karthic	Karthic	Karthic	Karthic	Karthic	Karthic
43	411517106047	Karthikeyan A	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi
44	411517106048	Kathiravan G	Kathiravan	Kathiravan	AB	Kathiravan	Kathiravan	Kathiravan
45	411517106049	Kavin J	Kavin	Kavin	Kavin	Kavin	Kavin	Kavin
46	411517106051	Keerthana L	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana
47	411517106052	Keerthi Rajan A.S	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi
48	411517106053	Sasidhar Naidu K	Sasidhar	Sasidhar	Sasidhar	Sasidhar	Sasidhar	Sasidhar
49	411517106054	Kishore Kumar M	Kishore	Kishore	Kishore	Kishore	Kishore	Kishore
50	411517106056	Krishnaraj V	Krishnaraj	Krishnaraj	Krishnaraj	Krishnaraj	Krishnaraj	Krishnaraj
51	411517106057	Kumaran J	AB	Kumaran	AB	Kumaran	Kumaran	Kumaran
52	411517106058	Lakshmi Aishwarya R.	Lakshmi	Lakshmi	Lakshmi	Lakshmi	Lakshmi	Lakshmi
53	411517106059	Leena S	Leena	Leena	Leena	Leena	Leena	Leena
54	411517106060	Logesh S	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh
55	411517106061	Logeshwari G.	Logeshwari	Logeshwari	Logeshwari	Logeshwari	Logeshwari	Logeshwari
56	411517106062	Lokeshkumar M.	Lokeshkumar	Lokeshkumar	Lokeshkumar	Lokeshkumar	Lokeshkumar	Lokeshkumar
57	411517106063	Lokesh Kumar G	AB	Lokesh	Lokesh	Lokesh	Lokesh	Lokesh
58	411517106064	Lokeshwaran P	Lokeshwaran	Lokeshwaran	Lokeshwaran	Lokeshwaran	Lokeshwaran	Lokeshwaran
59	411517106065	Madhan Raj P.	Madhan	Madhan	Madhan	Madhan	Madhan	Madhan
60	411517106066	Manibharathi S.	Manibharathi	Manibharathi	Manibharathi	Manibharathi	Manibharathi	Manibharathi
61	411517106067	Manisha V.	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha

62	411517106068	Mary K	Mary	Mary	Mary	ATB	ATB	Mary
63	411517106069	Mohammed Shaarif K	Moh Shaarif	Moh Shaarif	Moh Shaarif	Moh Shaarif	Moh Shaarif	Moh Shaarif
64	411517106070	Mohana N	Mohana	Mohana	Mohana	Mohana	Mohana	Mohana
65	411517106071	Monisha M.	Monisha	Monisha	Monisha	Monisha	Monisha	Monisha
66	411517106072	Kranthi Kumar N	Kranthi	Kranthi	Kranthi	Kranthi	Kranthi	Kranthi
67	411517106076	Kiran Kumar Reddy O.	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
68	411517106077	Padmashree M.	Padma	Padma	Padma	Padma	Padma	Padma
69	411517106079	Pradeep K.V	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep
70	411517106081	Praveen S	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
71	411517106082	Ragavender S	Ragav	Ragav	Ragav	Ragav	Ragav	Ragav
72	411517106083	Raja Shree B	Raja	Raja	Raja	Raja	Raja	Raja
73	411517106084	Rakini C.	Rakini	Rakini	Rakini	Rakini	Rakini	Rakini
74	411517106085	Ramaprakash G.	Ramapra	Ramapra	Ramapra	Ramapra	Ramapra	Ramapra
75	411517106086	Raveen Kumar M	Raveen	Raveen	Raveen	Raveen	Raveen	Raveen
76	411517106087	Rupa Sri V M	Rupa	Rupa	Rupa	Rupa	Rupa	Rupa
77	411517106088	Sai Sruthi K	Sai	Sai	Sai	Sai	Sai	Sai
78	411517106089	Sandhiya V	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya
79	411517106090	Sanjay S	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
80	411517106091	Santhana Karthick D	S.Karthick	S.Karthick	S.Karthick	S.Karthick	S.Karthick	S.Karthick
81	411517106092	Selva Dharshini V	Selva	Selva	Selva	Selva	Selva	Selva
82	411517106093	Selva Sooriya S	Selva	Selva	Selva	Selva	Selva	Selva
83	411517106094	Shanthi V.	Shanthi	Shanthi	Shanthi	Shanthi	Shanthi	Shanthi
84	411517106095	Sharon Grace Betsy G	S.G.B	S.G.B	S.G.B	S.G.B	S.G.B	S.G.B
85	411517106096	Sheshi Kumar G.R	G.R	G.R	G.R	G.R	G.R	G.R
86	411517106097	Shivahari P	Shiva	Shiva	Shiva	Shiva	Shiva	Shiva
87	411517106098	Siva Kumar S	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar
88	411517106099	Siva Saravanan K	S.K	S.K	S.K	S.K	S.K	S.K
89	411517106101	Sriram E.	S.Ram	S.Ram	S.Ram	S.Ram	S.Ram	S.Ram
90	411517106102	Subalakshmi H	Suba	Suba	Suba	Suba	Suba	Suba
91	411517106104	Uma Magheswari K	Uma	Uma	Uma	Uma	Uma	Uma
92	411517106105	Yamini Chowdary U	Yamini	Yamini	Yamini	Yamini	Yamini	Yamini
93	411517106106	Vallarasu R	Vallarasu	Vallarasu	Vallarasu	Vallarasu	Vallarasu	Vallarasu
94	411517106107	Vasanth kumar.K	V.K.Kumar	V.K.Kumar	V.K.Kumar	V.K.Kumar	V.K.Kumar	V.K.Kumar

95	411517106108	Vignesh A	vignesh A	vignesh A	vignesh A	vignesh A	vignesh A	vignesh A
96	411517106109	Vignesh P	vignesh P	vignesh P	vignesh P	vignesh P	vignesh P	vignesh P
97	411517106110	Vijayalakshmi G	Vijayalakshmi G	Vijayalakshmi G	Vijayalakshmi G	Vijayalakshmi G	Vijayalakshmi G	Vijayalakshmi G
98	411517106111	Vijithra V	Vijithra V	Vijithra V	Vijithra V	Vijithra V	Vijithra V	Vijithra V
99	411517106112	Vinodhini S	Vinodhini S	Vinodhini S	Vinodhini S	Vinodhini S	Vinodhini S	Vinodhini S
100	411517106113	Vunnam Sucharitha V.	Vunnam Sucharitha V.	Vunnam Sucharitha V.	Vunnam Sucharitha V.	Vunnam Sucharitha V.	Vunnam Sucharitha V.	Vunnam Sucharitha V.
101	411517106114	Yakesh C	Yakesh C	Yakesh C	Yakesh C	Yakesh C	Yakesh C	Yakesh C
102	411517106115	Yazhir Arafath A	Yazhir Arafath A	Yazhir Arafath A	Yazhir Arafath A	Yazhir Arafath A	Yazhir Arafath A	Yazhir Arafath A
103	411517106301	Sudalai Muthu	Sudalai Muthu	Sudalai Muthu	Sudalai Muthu	Sudalai Muthu	Sudalai Muthu	Sudalai Muthu
104	411517106302	Surya	Surya	Surya	Surya	Surya	Surya	Surya
105	411517106303	Vignesh . L	vignesh . L	vignesh . L	vignesh . L	vignesh . L	vignesh . L	vignesh . L
PRESENT			102	105	102	102	102	105
ABSENT			03	-	03	03	03	-

K. P. K.

Coordinator

J. S.

HOD/ECE

Dr. R. Palson Kennedy

Dr. R. PALSON KENNEDY, M.E., Ph.D.
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 Mannivakkam, Chennai - 600 048

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ASSESSMENT ON INDUSTRIAL BASED EMBEDDED SYSTEM

1. Which of the following is not an essential component of an embedded system?

- a) Microprocessor
- b) RAM
- c) Keyboard
- d) Input/output device

22
25
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2. Which of the following is true about interrupt latency in an embedded system?

- a) It is the time between the occurrence of an interrupt and the start of its processing.
- b) It is the time between the start of interrupt processing and the completion of interrupt processing.
- c) It is the time taken by the system to acknowledge an interrupt.
- d) It is the time taken by the system to return from an interrupt.

3. Which of the following is a real-time operating system (RTOS)?

- a) Windows
- b) Linux
- c) VxWorks
- d) MacOS

4. Which of the following is not a type of microcontroller architecture?

- a) Harvard
- b) Von Neumann
- c) ARM
- d) RISC

5. Which of the following is true about firmware in an embedded system?

- a) It is software that is stored in read-only memory (ROM).
- b) It is software that is stored in random access memory (RAM).
- c) It is software that is stored on a hard disk.
- d) It is software that is executed by the microcontroller.

6. Which of the following is an example of an analog-to-digital converter (ADC)?

- a) SPI
- b) UART
- c) I2C
- d) SAR

7. Which of the following is an example of a digital-to-analog converter (DAC)?

- a) SPI
- b) UART
- c) I2C
- d) R-2R ladder

8. Which of the following is true about watchdog timers in an embedded system?

- a) They are used to monitor the system clock.
- b) They are used to monitor the power supply.
- c) They are used to monitor the system state.
- d) They are used to monitor the temperature.

9. Which of the following is true about power management in an embedded system?

- a) It is not necessary in battery-powered systems.
- b) It is typically implemented using hardware and software techniques.

- c) It is not important for systems that operate continuously.
- d) It is only important for systems with high power requirements.

10. Which of the following is true about real-time constraints in an embedded system?

- a) They are not important for non-critical applications.
- b) They can be relaxed if necessary to improve system performance.
- c) They are typically specified in terms of response time and deadline.
- d) They are only important for systems with simple control logic.

11. Which of the following is a technique for reducing power consumption in an embedded system?

- a) Increasing the clock frequency
- b) Increasing the supply voltage
- c) Using hardware accelerators
- d) Using high-power peripherals

12. Which of the following is true about system-on-chip (SoC) design?

- a) It involves integrating multiple chips onto a single circuit board.
- b) It involves integrating multiple components onto a single chip.
- c) It is only used in high-end embedded systems.
- d) It is not compatible with real-time operating systems.

13. Which of the following is true about system testing in an embedded system?

- a) It is not necessary if the software is thoroughly tested.
- b) It is typically performed using simulation tools.
- c) It is only important for safety-critical systems.
- d) It involves testing the hardware, software, and system-level functionality.

14. Which of the following is true about interrupts in an embedded system?

- a) They are always asynchronous.
- b) They are always synchronous.
- c) They can be either synchronous or asynchronous.
- d) They are not used in real-time systems.

15. Which of the following is true about the CAN bus?

- a) It is a hardware-based communication protocol.
- b) It is only used in low-speed communication applications.
- c) It is a master-slave communication protocol.
- d) It is a peer-to-peer communication protocol.

16. Which of the following is true about SPI communication?

- a) It is a half-duplex communication protocol.
- b) It is a full-duplex communication protocol.
- c) It is a synchronous communication protocol.
- d) It is a peer-to-peer communication protocol.

17. Which of the following is true about I2C communication?

- a) It is a half-duplex communication protocol.
- b) It is a full-duplex communication protocol.
- c) It is a synchronous communication protocol.
- d) It is a peer-to-peer communication protocol.

20. Which of the following is true about UART communication?

- a) It is a half-duplex communication protocol.
- b) It is a full-duplex communication protocol.

- c) It is a synchronous communication protocol.
- d) It is a peer-to-peer communication protocol.

21. Which of the following is true about DMA in an embedded system?

- a) It is not used in real-time systems.
- b) It stands for "Direct Memory Access."
- c) It is used for communicating with peripherals.
- d) It is a type of interrupt.

22. Which of the following is true about bootloaders in an embedded system?

- a) They are used to load the operating system.
- b) They are used to load the application software.
- c) They are stored in volatile memory.
- d) They are not important for system security.

23. Which of the following is true about real-time operating systems (RTOS) in an embedded system?

- a) They are only used in large-scale systems.
- b) They are not important for system performance.
- c) They provide deterministic scheduling of tasks.
- d) They provide non-deterministic scheduling of tasks.

24. Which of the following is true about the memory hierarchy in an embedded system?

- a) The CPU cache is the largest and slowest level of memory.
- b) The main memory is the smallest and fastest level of memory.
- c) The secondary storage is the smallest and slowest level of memory.
- d) The memory hierarchy is used to balance speed and capacity.

25. Which of the following is true about digital signal processing (DSP) in an embedded system?

- a) It is only used in audio and video processing.
- b) It can be used for a variety of signal processing applications.
- c) It requires an analog signal as input.
- d) It is slower than analog signal processing.

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: *Monoj Kumar N*

Register No: *411518106037*

Year: *ECE - II*

Date of Feedback: *15/10/2019.*

Workshop Name: *Industrial based embedded system*

1. How do you value the course content?

It is Usefull for my carier plan

2. How would you understand the content delivery by the instructor?

Excellent!

3. Write the overall quality of the program

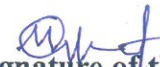
This program is Very Usefull for me

4. Will you recommend this program to your friends/juniors/seniors?

Yes, definitely

Suggestions to improve, if any:

Conduct this program regularly.


Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: DEEDIKA.M

Register No: 411517106020

Year: III yr

Date of Feedback: 15.10.2019

Workshop Name: Industrial Based Embedded system.

1. How do you value the course content?

I value the course content very much. It's an eye opening for my knowledge.

2. How would you understand the content delivery by the instructor?

The instructor very helpful and very careful in delivery the content. The way he delivered was amazing.

3. Write the overall quality of the program

The quality was very excellent

4. Will you recommend this program to your friends/juniors/seniors?

Yes, I will

Suggestions to improve, if any:

I Request you to conduct these type of program regularly to enhance the student knowledge.

M. Deepsh.
Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: LOGESH. S

Register No: 411517106060

Year: III

Date of Feedback: 15-10-2019

Workshop Name: INDUSTRIAL BASED EMBEDDED SYSTEM

1. How do you value the course content?

This course is very useful and have more scope

2. How would you understand the content delivery by the instructor?

The instructor delivered the content very clearly.

3. Write the overall quality of the program

The program is very good and more useful.

4. Will you recommend this program to your friends/juniors/seniors?

Yes, I will.

Suggestions to improve, if any:

Logesh

Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: *Abinaya.S*

Register No: *411518106001*

Year: *ECE - II*

Date of Feedback: *15/10/2019*

Workshop Name: *Industrial Based Embedded System*

1. How do you value the course content?

This course is very useful and have more scope.

2. How would you understand the content delivery by the instructor?

The Instructor delivered the content very clearly.

3. Write the overall quality of the program

The program is very good and more useful.

4. Will you recommend this program to your friends/juniors/seniors?

Yes, I will

Suggestions to improve, if any:



Signature of the Student

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Organizes

WORKSHOP ON

"INDUSTRIAL BASED EMBEDDED SYSTEM"

CERTIFICATE

OF PARTICIPATION

This is to certify that Mr / Ms. LOGESH.S

of III Year, Electronics and Communication Engineering, PERI Institute of Technology

has completed an workshop on **INDUSTRIAL BASED EMBEDDED SYSTEM** held from

8.10.19 to 15.10.19.



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COURSE COORDINATOR

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr / Ms. DEEPIKA . M

of III Year, Electronics and Communication Engineering, PERI Institute of Technology

has completed an workshop on **INDUSTRIAL BASED EMBEDDED SYSTEM** held from

8.10.19 to 15.10.19.



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COURSE COORDINATOR

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Organizes

WORKSHOP ON

"INDUSTRIAL BASED EMBEDDED SYSTEM"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr / Ms. ABINAYA S

of ECE II Year, Electronics and Communication Engineering, PERI Institute of Technology

has completed an workshop on **INDUSTRIAL BASED EMBEDDED SYSTEM** held from

8.10.19 to 15.10.19.



PRINCIPAL



COURSE COORDINATOR

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2019-2020

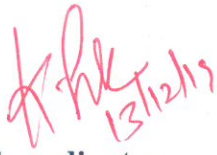
Ref: PERIIT /ECE/Add-On Course/2019-20/02

Date: 13.12.2019

CIRCULAR

The Electronics and Communication Engineering Department of PERI IT has planned to conduct Add-on course titled "PCB DESIGNING" for the Academic Year 2019 – 2020 for IV year ECE students.

S.No.	Year	Scheduled Date	Session 1	Session 2
1	IV	18.12.2019 -23.12.2019	10.00AM to 11.45AM	12.30PM to 3.30PM


Co-ordinator

Copy To:

1. Principal
2. Vice – Principal
3. IQAC
4. Faculty Members -ECE
5. Notice Board


Head of the Department
Head of the Department
ELECTRONICS AND COMMUNICATION ENGINEERING
PERI INSTITUTE OF TECHNOLOGY
CHENNAI - 600 048.

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2019-2020

Minutes of the Meeting for Workshop-ECW012-PCB Designing

Venue: HOD Room, Beta Block , PERI

Date: 16 /12/2019 Time:1200pm-1.00pm

Agenda of the meeting:

1. Syllabus preparation
2. Tentative Time Table
3. Assessment method

Members present:

1. Ms.Jasmine Jeni, HOD/ECE
2. Mr.Kannadasan, Green Technology.
3. Ms.K.Lakshmi Priya, Co-ordinator
4. Dr.G.Charulatha, Associate Professor, ECE

Ms.Lakshmi priya Coordinator welcomed and briefed the committee members about the agenda.

Agenda Item 1:Syllabus preparation for PCB Designing.

The syllabus is framed accordingly inorder to meet the objectives of the course, various Universities, IITs, NITs syllabus has been taken into consideration for syllabus preparation.

Agenda Item 2: Tentative Time Table

The timetable is prepared as per the university requirement and communicated to the subject expert.

Agenda Item 3: Assessment method

Assessment will be conducted at the end of the course


Coordinator


Senior faculty member


HOD/ECE


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Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SHORT DESCRIPTION

Workshop Code: ECW012

Workshop Name: PCB Designing

PCB (Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade. The processes of printed circuit board fabrication and assembly are exact and demanding. PCB circuit board design tools must have the features and functionality required for creating complex designs.

COURSE OBJECTIVES

- To develop and understand sustainable development goals (SDGs) for our society.
- To develop and familiarization with the principles, technology, materials, and tools required for Design and Developing of PCB
- To develop an end-to-end technical understanding to design a PCB and Developing them
- To comply with the industry specifications, guidelines, and safety standards during work

COURSE OUTCOMES:

- Familiarization of the various types of devices/components that may be mounted on PCB
- Understanding of the PCB layout techniques for optimized component density and power saving.
- Pre-requisite knowledge to perform design and printing of PCB with the help of various image transfer and soldering techniques
- Understanding of the current trends and scope of the PCB industry

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SYLLABUS

MODULE I: INTRODUCTION TO PCB DESIGNING CONCEPTS

What is PCB - Difference between PWB and PCB -Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer) -PCB Materials

MODULE II: COMPONENT INTRODUCTION AND THEIR CATEGORIES

Brief History of EDA -Latest Trends in Market -How it helps and Why it requires
Different EDA tools - Introduction to SPICE and PSPICE Environment

MODULE III: INTRODUCTION TO DEVELOPMENT TOOLS

Active Components- Diode - Transistor - MOSFET - LED - SCR -Integrated Circuits (ICs)
Passive Components -Resistor -Capacitor -Inductor - Transformer - Speaker/Buzzer
Introduction to PCB Design using OrCAD

MODULE IV: DETAILED DESCRIPTION AND PRACTICAL OF PCB DESIGNING

PCB Designing Flow Chart - Schematic Entry -Net listing -PCB Layout Designing -Prototype Designing - Design Rule Check(DRC)- Design For Manufacturing(DFM) -Making -Printing Etching- Drilling -Assembly of components.Electrical Layers -Top Layer - Mid Layer -Bottom Layer Mechanical Layers -Board Outlines and Cutouts -Drill Details -Documentation Layers Components Outlines -Reference Designation - Text -PCB and Hardware Testing


Coordinator


HOD/ECE

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

TIME TABLE

Subject Code: ECW012

Year/Semester:IV/VII

Subject Name: PCB Designing

Session: FN & AN

S.No	DATE	HOURS	TOPIC
1	18.12.2019	3 rd -8 th	What is PCB - Difference between PWB and PCB -Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer) -PCB Materials
2	19.12.2019	3 rd -8 th	Brief History of EDA -Latest Trends in Market -How it helps and Why it requires -Different EDA tools - Introduction to SPICE and PSPICE Environment
3	20.12.2019	3 rd -8 th	Active Components- Diode - Transistor - MOSFET - LED - SCR -Integrated Circuits (ICs) .Passive Components - Resistor -Capacitor -Inductor - Transformer - Speaker/Buzzer.Introduction to PCB Design using OrCAD
4	21.12.2019	3 rd -8 th	PCB Designing Flow Chart - Schematic Entry -Net listing - PCB Layout Designing -Prototype Designing - Design Rule Check(DRC)- Design For Manufacturing(DFM) -Making - Printing Etching- Drilling
5	23.12.2019	3 rd -8 th	Assembly of components.Electrical Layers -Top Layer - Mid Layer -Bottom Layer Mechanical Layers -Board Outlines and Cutouts -Drill Details -Documentation Layers Components Outlines -Reference Designation - Text -PCB and Hardware Testing


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DEPARTMENT OF ECE
ACADEMIC YEAR 2019-2020
IV/ECE

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2	411516106005	ARSHAD AHMED M D
3	411516106006	ARUL KUMAR S
4	411516106010	ASRAF A.
5	411516106012	BHUVANAA C.
6	411516106013	DANIEL ANCING E
7	411516106015	DEVANAND M.
8	411516106022	IYYANARAPPAN M
9	411516106023	JACKLIN EMILDA S.
10	411516106026	JAYASHREE S.
11	411516106027	KEERTHANA C.K
12	411516106028	KESHAV KUMAR J.
13	411516106029	KIRTHIKA S.
14	411516106032	LOKESHWARAN B.
15	411516106033	MAHENDRA A
16	411516106034	MAHESH KUMAR G
17	411516106035	MALATHY T.
18	411516106037	MANJU BHARKAVI M
19	411516106038	MARIA THEENA L.T
20	411516106041	NIVAS A.T
21	411516106042	NIVETHA J.
22	411516106043	NIVETHA M

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23	411516106044	PAVITHRA R
24	411516106048	PRETHI SAI L.
25	411516106049	RADHIKA G
26	411516106050	RAGINI J
27	411516106051	RAJESH S
28	411516106052	RAMYA S
29	411516106053	RANJITH SREEKAR A.G
30	411516106054	RIYAZ AHAMED A
31	411516106055	SANDHYA M
32	411516106056	SANTHOSH M
33	411516106057	SHIVALI ANGRAL
34	411516106058	SOWMYA S.
35	411516106062	UMA SHANKAR R
36	411516106064	VIGNESH N.
37	411516106301	BHAVANA T
38	411516106302	KANCHANA A
39	411516106303	KOYALAMUDI SAI KRISHNA
40	411516106307	YUVANSHANKAR P.D
41	411516106701	ACHANTA TRINADH KUMAR A
42	411516106001	AKASH B.
43	411516106008	ARUNACHALAM K
44	411516106009	ASIF ALI A
45	411516106011	BALAJI K

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46	411516106014	DEEN KUMARAN V
47	411516106016	DILIP KUMAR T.
48	411516106018	GOWRI S.
49	411516106019	HARIHARAN C
50	411516106021	HENRY SOLOMON J
51	411516106024	JAGAN L.
52	411516106025	JAI PRAKASH V.
53	411516106030	KIRUBHAKARAN M.
54	411516106040	NAVEENKUMAR V
55	411516106045	POORNIMA PRIYADHARSHINI J
56	411516106046	PRAVEEN U.
57	411516106047	PRAVEEN.R.S.NAIR R.S
58	411516106059	SUBHASH S
59	411516106060	SUDHAKARAN G.
60	411516106061	SURYA PRAKASH K
61	411516106063	VAIRAMUTHU K
62	411516106065	VIJAYA SUNDARAM A.G
63	411516106066	VIMAL KUMAR R
64	411516106067	VIMAL KUMAR S
65	411516106069	VISHALI K.
66	411516106070	YOGESHWAR S
67	411516106304	SASI KUMAR M

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Attendance Sheet for PCB Designing

S.NO	REG. NO.	NAME OF THE STUDENT	18.12.19	19.12.19	20.12.19	21.12.19	23.12.19
1	411516106003	Annie Muthabaranam A	Annie A	Annie A	Annie A	Annie A	Annie A
2	411516106005	Arshad Ahmed M D	AA	AA	AA	AA	AA
3	411516106006	Arul Kumar S	Ar	Ar	Ar	Ar	Ar
4	411516106010	Asraf A.	Asr	Asr	Asr	Asr	Asr
5	411516106012	Bhuvanaa C.	Bhu C	Bhu C	Bhu C	Bhu C	Bhu C
6	411516106013	Daniel Ancing E	D	D	D	D	D
7	411516106015	Devanand M.	Dev	Dev	Dev	Dev	Dev
8	411516106022	Iyyanarappan M	Iyy	Iyy	Iyy	Iyy	Iyy
9	411516106023	Jacklin Emilda S.	Jack	Jack	Jack	Jack	Jack
10	411516106026	Jayashree S.	Jay	Jay	Jay	Jay	Jay
11	411516106027	Keerthana C.K	Ke	Ke	Ke	Ke	Ke
12	411516106028	Keshav Kumar J.	Ke	Ke	Ke	Ke	Ke
13	411516106029	Kirthika S.	Kir	Kir	Kir	Kir	Kir
14	411516106032	Lokeshwaran B.	Lokesh	Lokesh	Lokesh	Lokesh	Lokesh
15	411516106033	Mahendra A	Mah	Mah	Mah	Mah	Mah
16	411516106034	Mahesh Kumar G	Mah.k	Mah.k	Mah.k	Mah.k	Mah.k
17	411516106035	Malathy T.	Mal	Mal	Mal	Mal	Mal
18	411516106037	Manju Bharkavi M	Manju	Manju	Manju	Manju	Manju
19	411516106038	Maria Theena L.T	Ma	Ma	Ma	Ma	Ma
20	411516106041	Nivas A.T	Nivas	Nivas	Nivas	Nivas	Nivas
21	411516106042	Nivetha J.	Niv	Niv	Niv	Niv	Niv
22	411516106043	Nivetha M	Niv	Niv	Niv	Niv	Niv
23	411516106044	Pavithra R	Pav	Pav	Pav	Pav	Pav
24	411516106048	Prethi Sai L.	P.Sai	P.Sai	P.Sai	P.Sai	P.Sai
25	411516106049	Radhika G	Radhika	Radhika	Radhika	Radhika	Radhika
26	411516106050	Ragini J	Raj	Raj	Raj	Raj	Raj
27	411516106051	Rajesh S	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
28	411516106052	Ramya S	Ramya	Ramya	Ramya	Ramya	Ramya

29	411516106053	Ranjith Sreekar A.G	Ranj	AB	Ranj	Ranj	Ranj
30	411516106054	Riyaz Ahamed A	Riyaz	Riyaz	Riyaz	Riyaz	Riyaz
31	411516106055	Sandhya M	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya
32	411516106056	Santhosh M	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
33	411516106057	Shivali Angral	Shivali	AB	Shivali	Shivali	AB
34	411516106058	Sowmya S.	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya
35	411516106062	Uma Shankar R	Uma	AB	Uma	AB	Uma
36	411516106064	Vignesh N.	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
37	411516106301	Bhavana T	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana
38	411516106302	Kanchana A	Kanchana	Kanchana	Kanchana	Kanchana	Kanchana
39	411516106303	Koyalamudi Sai Krishna	Kuy	Kuy	Kuy	Kuy	AB
40	411516106307	Yuvanshankar P.D	Yuv	AB	AB	Yuv	Yuv
41	411516106701	Achanta Trinadh Kumar A	Achanta	Achanta	Achanta	Achanta	AB
42	411516106001	Akash B.	Akash	Akash	Akash	Akash	Akash
43	411516106008	Arunachalam K	Arun	Arun	Arun	Arun	Arun
44	411516106009	Asif Ali A	Asif	Asif	Asif	Asif	Asif
45	411516106011	Balaji K	Balaji	Balaji	Balaji	Balaji	Balaji
46	411516106014	Deen Kumaran V	Deen	Deen	Deen	Deen	AB
47	411516106016	Dilip Kumar T.	Dilip	AB	Dilip	Dilip	Dilip
48	411516106018	Gowri S.	Gowri	Gowri	Gowri	Gowri	Gowri
49	411516106019	Hariharan C	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan
50	411516106021	Henry Solomon J	Henry	Henry	Henry	Henry	Henry
51	411516106024	Jagan L.	Jagan	Jagan	Jagan	Jagan	Jagan
52	411516106025	Jai Prakash V.	Jai	Jai	Jai	Jai	Jai
53	411516106030	Kirubhakaran M.	Kirub	Kirub	Kirub	Kirub	Kirub
54	411516106040	Naveenkumar V	Naveen	AB	AB	Naveen	Naveen
55	411516106045	Poornima Priyadarshini J	Poornima	AB	Poornima	Poornima	Poornima
56	411516106046	Praveen U.	Praveen	Praveen	Praveen	Praveen	Praveen
57	411516106047	Praveen.R.S.Nair R.S	Praveen	Praveen	Praveen	Praveen	Praveen
58	411516106059	Subhash S	Subhash	Subhash	Subhash	Subhash	Subhash
59	411516106060	Sudhakaran G.	Sudha	AB	AB	Sudha	Sudha
60	411516106061	Surya Prakash K	Surya	Surya	Surya	AB	AB
61	411516106063	Vairamuthu k	Vairamuthu	Vairamuthu	Vairamuthu	Vairamuthu	Vairamuthu

62	411516106065	Vijaya Sundaram A.G	<i>Vijaya</i>	<i>Vijaya</i>	<i>Vijaya</i>	<i>Vijaya</i>	<i>Vijaya</i>
63	411516106066	Vimal Kumar R	<i>Vimal.K.R</i>	<i>Vimal.K.R</i>	<i>Vimal.K.R</i>	<i>Vimal.K.R</i>	<i>Vimal.K.R</i>
64	411516106067	Vimal Kumar S	<i>Vim</i>	<i>Vim</i>	<i>Vim</i>	<i>Vim</i>	<i>Vim</i>
65	411516106069	Vishali K.	<i>Vishalik</i>	<i>Vishalik</i>	<i>Vishalik</i>	<i>Vishalik</i>	<i>Vishalik</i>
66	411516106070	Yogeshwar S	<i>Yogesh.S</i>	<i>Yogesh.S</i>	<i>Yogesh.S</i>	<i>Yogesh.S</i>	<i>Yogesh.S</i>
67	411516106304	Sasi Kumar M	<i>Sasikant</i>	<i>Sasikant</i>	<i>Sasikant</i>	<i>Sasikant</i>	<i>Sasikant</i>
PRESENT			60	66	63	65	61
ABSENT			01	06	04	02	06

Coordinator

HOD/ECE

Dr. R. PALSON KENNEDY, M.E., Ph.D.,

PRINCIPAL

**PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.**

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: *S. Subash*

Register No: *201526106059*

Year: *IV* - year

Date of Feedback: *18.12.2019*

Workshop Name: *PCB Design*

1. How do you value the course content?

It is very understandable

2. How would you understand the content delivery by the instructor?

The instructor is very good in delivering the content

3. Write the overall quality of the program

good

4. Will you recommend this program to your friends/juniors/seniors?

of course.

Suggestions to improve, if any:

nil

Subash

Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: M. Santhosh

Register No: 41156106056

Year: ~~III~~ IV - Year

Date of Feedback: 18/12/2012

Workshop Name: PCB Design

1. How do you value the course content?

It is Good

2. How would you understand the content delivery by the instructor?

Very good in delivery the content

3. Write the overall quality of the program

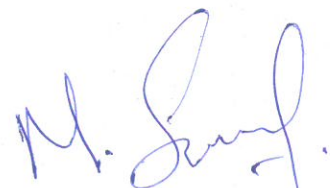
Very good

4. Will you recommend this program to your friends/juniors/seniors?

Yes

Suggestions to improve, if any:

Nil



Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: *Gr. Radhika*

Register No: *411516106049*

Year: *IV - Year*

Date of Feedback: *18/12/2019*

Workshop Name: *PCB Design*

1. How do you value the course content?

It is Very understandable

2. How would you understand the content delivery by the instructor?

instructor is very good in delivering the content

3. Write the overall quality of the program

Very good

4. Will you recommend this program to your friends/juniors/seniors?

Of course

Suggestions to improve, if any:

Nil



Signature of the Student

PERI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT ON PCB DESIGNING

1. Which phenomenon is not reduced by the circuit paths of lowest impedances especially provided by power and return planes for shielding purposes?

- a) Radiation
- b) Convection
- c) Noise
- d) Crosstalk

2. High current circuits are purposely located or placed near the edge of PCB in accordance to the supply lines for _____

- a) Removal of heat
- b) Isolation of stray current
- c) Reduction of path length
- d) All of the above

3. Which among the below stated soldering methods is also renowned as 'High Frequency Resistance Soldering'?

- a) Iron Soldering
- b) Furnace Soldering
- c) Torch Soldering
- d) Electrical Soldering

4. Which among the below mentioned approaches belongs to the category of In-circuit Testing?

- a) Impedance Testing
- b) Component Testing
- c) Apply Signal and check output
- d) All of the above

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5. Which type of solderability testing is carried out for the generation of solder sample due to immersion of wire or sheet metal specimen in a bath of molten solder?

- a) Solder Bath Testing
- b) Meniscus Rise Testing
- c) Solder Iron Testing
- d) None of the above

6. What is/are the necessity/ies to provide guarding to precision differential amplifiers?

- a) To increase leakage resistance
- b) To reduce capacitance between signal conductors & ground
- c) Both a and b
- d) None of the above

7. Which among the below mentioned assertions is not a way of cross-talk reduction while designing digital PCBs?

- a) Decrease in the distance between conductors
- b) Shielding of clock lines with guard strips
- c) Reduction in the loop area of circuits
- d) Avoid running of parallel traces for longer distances especially for asynchronous signals

8. Which among the below mentioned packages does not belong to the category of 'Small Outline Package'?

- a) SO
- b) SOP
- c) SOT
- d) SON

9. Which among the below specified assertions is not a grounding consideration associated with ADC as well as DAC?

- a) Analog side to analog ground
- b) Digital side to digital ground
- c) Use of separate power supply and connection of their ground leads to single point reference
- d) Reduction of inductive loop area between power and return traces

10. Which among the below stated devices/equipments are preferred for elimination of ground and supply line noise especially in TTL/CMOS / ECL PCB designing?

- a) Coupling capacitor
- b) Decoupling capacitor
- c) Snubber circuits
- d) All of the above

11. Which among the below specified condition is precise in the crosstalk verification mechanism using logic flow in opposite direction with the limit of avoiding dangerous interference in digital PCB designing?

- a) $Z_{even} > Z_{odd}$
- b) $Z_{odd} \geq 0.5 Z_{even}$
- c) $Z_{odd} \geq 0.8 Z_{even}$
- d) $Z_{odd} = Z_{even}$

12. Which terminology of PCB represents a thin photo-sensitive polymer by supporting photographic pattern of single traces or IC pads for etching?

- a) Prepreg
- b) Etching
- c) Photo-resist
- d) Solder mask

13. Which problems are about to occur if PCB is not designed properly in a confined manner for digital circuits?

- A. Diffraction
- B. Refraction
- C. Ground & Supply-line Noise
- D. Electromagnetic Interference

- a) A & B
- b) B & C
- c) C & D
- d) A, B, C, D

14. Which among the following assists in obtaining the desired value of wave impedance in reflection phase while designing digital PCBs?

- A. Width of signal lines
- B. Distance between signal line and ground line
- C. Signal Delays
- D. Double Pulsing

a) A & B

b) B & C

c) C & D

d) A, B, C, D

15. What should be the resistance of 0.6 mm wide conductor with 15 cm length and 25 μm thickness of standard copper foil? (Assume $\rho = 1.7241 \times 10^{-6}$ (at 20° C)

a) 118.2 m Ω

b) 138.2 m Ω

c) 172.4 m Ω

d) 192.4 m Ω

16. The actual cost of PCB can be evaluated on the basis of _____

a) PCB size & material

b) Number of layers

c) Vias on PCB

d) All of the above

17. Which factors contribute to the occurrence of mechanical stress?

a) Resonance

b) Cracked Solder Joints

c) Both a and b

d) None of the above

18. Which type of PCB requires minimum soldering on component side in order to avoid replacement oriented difficulties?

a) Single-sided PCB

b) Double-sided PCB

c) Both a and b

d) None of the above


19. What effects can be observed if the separate power and ground planes are provided with large conducting surfaces for better decoupling in PCB layouts?

- a) Increase in self-inductance
- b) Reduction in self-inductance
- c) Stability in self-inductance
- d) None of the above

20. The biggest factor when it comes to impedance is

- a) Clock speed of the board crystal
- b) The integrity of the signal from the output buffer of the sending component
- c) The voltage level
- d) The physical aspects of the board

21. The declaration of Vias-In-Pads is determined in the

- a) Assembly Notes
 - b) Fabrication Notes
 - c) Fabrication Files
 - d) Via stack up
- 

22. The grid used in a PCB layout tool should be

- a) In metric (mm)
- b) In imperial (mils)
- c) Both A and B interchangeably
- d) Either A or B

23. The solder mask has an impact on the trace impedance.

- a) True Statement
- b) False Statement

24. The solder paste files are generally produced

- a) In the assembly file
- b) In the fabrication files
- c) Manually drawn
- d) As part of the bill of materials

25. The use of 3D component models in the PCB layout can assist with

- a) Electrical clearance
- b) Component clearance
- c) All of the above
- d) ~~None of the above~~

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Organizes

WORKSHOP ON

"PCB DESIGN"

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms. SANTHOSH . M

of IV Year, Electronics and Communication Engineering, PERI Institute of Technology

has completed an workshop on **PCB DESIGN** held from 18.12.2019 to

23.12.2019.



PRINCIPAL



COURSE COORDINATOR

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Organizes

WORKSHOP ON

"PCB DESIGN"

CERTIFICATE

OF PARTICIPATION

This is to certify that Mr / Ms. _____

Q. Q SUBASH

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has completed an workshop on **PCB DESIGN** held from 18.12.2019 to

23.12.2019.

[Signature]

PRINCIPAL

[Signature]

COURSE COORDINATOR

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Organizes

WORKSHOP ON

"PCB DESIGN"

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms.

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23.12.2019.



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COURSE COORDINATOR

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Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2019-2020

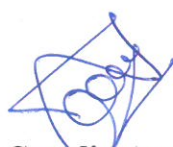
Ref: PERIIT/EEE/CC/2019-20/004

Date: 14.01.2020

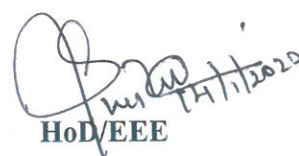
CIRCULAR

The Electrical and Electronics Engineering Department of PERI IT has planned to conduct Add-on course titled “Workshop on Embedded System Design and Implementation” for II, III and IV year EEE students.

S.No.	Year	Scheduled Date	Session 1	Session 2
1	II/III/IV	20-01-2020 to 24-01-2020	8.30 AM to 11.45AM	12.30 PM to 03.30 PM



Coordinator



HoD/EEE
14/1/2020

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3. IQAC
4. Faculty Members
5. Notice Board

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Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2019-2020

Minutes of Meeting

Course Code :EW010

Course Name: Workshop on Embedded System Design and Implementation

Venue: HOD Room, Beta Block , PERI IT

Date:18/01/2020 Time:12.00 PM - 1.00 PM

Agenda of the meeting:

1. Syllabus preparation
2. Tentative Time Table
3. Assessment method

Members present:

1. Ms. S. L. Sreedevi, HOD/EEE,
2. Mr. R. Tamilamuthan, Co Ordinator,
3. Ms. A. Maheshwari,
4. Ms. A. N. Abhirami,

Mr. R. Tamilamuthan, Co Ordinator welcomed and briefed the committee members about the agenda.

Agenda Item 1: Syllabus preparation

The syllabus is framed accordingly in order to meet the objectives of the course, various Universities, IITs, NITs syllabus has been taken into consideration for syllabus preparation.

Agenda Item 2: Tentative Time Table

The timetable is prepared as per the university requirement and communicated to the subject expert.

Agenda Item 3: Assessment method

Two assessment will be conducted at the end of the course.



Coordinator



Senior Faculty Member



HOD/EEE



PRINCIPAL

Dr. R. PALSON KENNEDY, M.E., Ph.D.
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Mannivakkam, Chennai 600048

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2019-2020

SHORT DESCRIPTION

Course Code : EW010

Course Name: Workshop on Embedded System Design and Implementation

The workshop offers students a hands-on journey into the world of embedded systems, from foundational concepts to practical implementation. Through a blend of theory and hands-on exercises, participants will gain insights into the architecture, programming, and communication aspects of embedded systems. Starting with an introduction to microcontrollers and embedded software development, participants will progress to exploring sensors, actuators, and communication protocols commonly used in embedded systems. Real-time operating systems (RTOS) will also be covered, enabling participants to understand task scheduling and synchronization. By the end of the workshop, students will have the skills to design and implement embedded systems projects, culminating in a project showcase and discussion.

COURSE OBJECTIVES

- To gain a comprehensive understanding of embedded systems, including their architecture, components, and applications
- To understand the architecture of microcontrollers and microprocessors commonly used in embedded systems, including CPU architectures and memory hierarchies
- To explore the integration of sensors and actuators into embedded systems, including interfacing techniques and communication protocols
- To gain proficiency in communication protocols used in embedded systems, including serial communication (UART, SPI, I2C) and wireless standards
- To learn the basics of real-time operating systems, including task scheduling, synchronization, and communication for real-time embedded applications


Coordinator


HOD/EEE

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2019-2020

TIME TABLE

Course Code : EW010

Course Name: Workshop on Embedded System Design and Implementation

S.No	DATE	HOURS	TOPIC
1	20.01.2020	1st-6th	Overview of embedded systems and their applications, Introduction to microcontrollers and microprocessors, Basics of embedded software development: programming languages and development tools
2	21.01.2020	1st-6th	Understanding embedded systems architecture, Overview of CPU architectures and memory hierarchies, Exploring microcontroller architecture and development tools
3	22.01.2020	1st-6th	Introduction to sensors and actuators used in embedded systems, Interface protocols: UART, SPI, I2C, Interfacing sensors and actuators with microcontrollers
4	23.01.2020	1st-6th	Communication protocols for embedded systems: UART, SPI, I2C, CAN, Wireless communication standards: Bluetooth, Wi-Fi, Serial communication and wireless communication exercises
5	24.01.2020	1st-6th	Introduction to real-time operating systems (RTOS), Task scheduling, synchronization, and communication in RTOS


Coordinator


HOD/EEE

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020

II - EEE

S. No	Register Number	Student Name
1.	411518105002	Ahalya M
2.	411518105003	Askar Ali T
3.	411518105004	Bharathi M
4.	411518105005	Dasaradhan S
5.	411518105006	Dharanimaran A
6.	411518105007	Jeeva J
7.	411518105008	Jeevagan S
8.	411518105009	Jeevitha V
9.	411518105010	Magesh B K
10.	411518105011	Mohanasri L
11.	411518105012	Mukesh E
12.	411518105013	Rajkumar M
13.	411518105014	Ritu waliya
14.	411518105015	Sanjay V
15.	411518105016	Sathish Balaji S
16.	411518105017	Subashini D
17.	411518105019	Thanigaimalai J S
18.	411518105020	Vignesh S
19.	411518105301	Jayakandan S
20.	411518105701	Rojan Steavewak A


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PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020

III - EEE

S. No	Register Number	Student Name
1.	411517105002	Annem Chaitanya Kumar Reddy
2.	411517105003	Aravind G
3.	411517105004	Arivarasi A
4.	411517105005	Arun N
5.	411517105006	Chandru S J
6.	411517105007	Deepakkumar J
7.	411517105008	Dinesh Kumar B
8.	411517105009	Donald Santhuru S
9.	411517105010	Eshwar M
10.	411517105011	Giridharan K
11.	411517105012	Goli Sai Supriya
12.	411517105013	Ilavaruna Karthik P
13.	411517105014	Jayasri A
14.	411517105015	Jeevitha S
15.	411517105016	Karan Raj S
16.	411517105017	Keerthivasan C
17.	411517105018	Manoj M
18.	411517105019	Mohamed Rizwan R
19.	411517105020	Monisha M
20.	411517105021	Mukesh S
21.	411517105022	Naveen Kumar M
22.	411517105023	Poomani R
23.	411517105024	Rahman H
24.	411517105025	Rajesh S
25.	411517105026	Rishika P
26.	411517105028	Rukmani V
27.	411517105029	Santhosh Kumar S
28.	411517105030	Sham Prabu A
29.	411517105031	Sharon Devakirubai B
30.	411517105032	Sugan C
31.	411517105033	Swetha R
32.	411517105034	Swetha S
33.	411517105036	Vani D
34.	411517105037	Vigneshwaran R
35.	411517105301	Jagan
36.	411517105302	Premraj
37.	411517105303	Vivek
38.	411517105304	Yeshwanth

Handwritten signature in green ink

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PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020
IV – EEE

S. No	Register Number	Student Name
1.	411516105001	Aarthy S
2.	411516105002	Balasubramani V
3.	411516105003	Caleb W
4.	411516105004	Dhevadharshini V
5.	411516105005	Durai Murugan A
6.	411516105006	Guru Prasad R
7.	411516105007	Harikesh B
8.	411516105008	Harish
9.	411516105011	Sam C
10.	411516105012	Sameeran B
11.	411516105013	Vasanth V
12.	411516105014	Vishali R
13.	411516105301	Jagadesh N
14.	411516105302	Mahadeshwar S
15.	411516105303	Srinivasalu G K


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020

Attendance

Course Code : EW010

Course Name: Workshop on Embedded System Design and Implementation

S. No	Register Number	Name of the Student	Date				
			20.01.2020	21.01.2020	22.01.2020	23.01.2020	24.01.2020
II - EEE							
1.	411518105002	Ahalya M	Ahalya M	Ahalya M	Ahalya M	Ahalya M	Ahalya M
2.	411518105003	Askar Ali T	ASKAR ALI T	ASKAR ALI T	ASKAR ALI T	ASKAR ALI T	ASKAR ALI T
3.	411518105004	Bharathi M	Bharathi M	Bharathi M	Bharathi M	Bharathi M	Bharathi M
4.	411518105005	Dasaradhan S	S.D	S.D	S.D	S.D	S.D
5.	411518105006	Dharanimaran A	A.Dhan	A.Dhan	A.Dhan	A.Dhan	A.Dhan
6.	411518105007	Jeeva J	Jeeva J	Jeeva J	Jeeva J	Jeeva J	Jeeva J
7.	411518105008	Jeevagan S	Jeevagan S	Jeevagan S	Jeevagan S	Jeevagan S	Jeevagan S
8.	411518105009	Jeevitha V	Jeevitha V	Jeevitha V	Jeevitha V	Jeevitha V	Jeevitha V
9.	411518105010	Magesh B K	Magesh B K	Magesh B K	Magesh B K	Magesh B K	Magesh B K
10.	411518105011	Mohanasri L	Mohanasri L	Mohanasri L	Mohanasri L	Mohanasri L	Mohanasri L
11.	411518105012	Mukesh E	Mukesh E	Mukesh E	Mukesh E	Mukesh E	Mukesh E
12.	411518105013	Rajkumar M	Rajkumar M	Rajkumar M	Rajkumar M	Rajkumar M	Rajkumar M
13.	411518105014	Ritu waliya	Ritu	Ritu	Ritu	Ritu	Ritu
14.	411518105015	Sanjay V	Sanjay V	Sanjay V	Sanjay V	Sanjay V	Sanjay V
15.	411518105016	Sathish Balaji S	Sathish Balaji S	Sathish Balaji S	Sathish Balaji S	Sathish Balaji S	Sathish Balaji S
16.	411518105017	Subashini D	Subashini D	Subashini D	Subashini D	Subashini D	Subashini D


17.	411518105019	Thanigaimalai J S	Thann . JS	Thann . JS	Thann . JS	Thann . JS	Thann . JS
18.	411518105020	Vignesh S	Vignesh . S	Vignesh . S	Vignesh . S	Vignesh . S	Vignesh . S
19.	411518105301	Jayakandan S	Jayakandan	Jayakandan	Jayakandan	Jayakandan	Jayakandan
20.	411518105701	Rojan Steavewak A	Rojan Steavewak A	Rojan Steavewak A	Rojan Steavewak A	Rojan Steavewak A	Rojan Steavewak A

III - EEE

1.	411517105002	Annem Chaitanya Kumar Reddy	Annem	Annem	Annem	Annem	Annem
2.	411517105003	Aravind G	Aravind G	Aravind G	Aravind G	Aravind G	Aravind G
3.	411517105004	Arivarasi A	Arivarasi A	Arivarasi A	Arivarasi A	Arivarasi A	Arivarasi A
4.	411517105005	Arun N	Arun . N	Arun . N	Arun . N	Arun . N	Arun . N
5.	411517105006	Chandru S J	Chandru S J	Chandru S J	Chandru S J	Chandru S J	Chandru S J
6.	411517105007	Deepakkumar J	Deepakkumar J	Deepakkumar J	Deepakkumar J	Deepakkumar J	Deepakkumar J
7.	411517105008	Dinesh Kumar B	Dinesh Kumar B	Dinesh Kumar B	Dinesh Kumar B	Dinesh Kumar B	Dinesh Kumar B
8.	411517105009	Donald Santhuru S	Donald	Donald	Donald	Donald	Donald
9.	411517105010	Eshwar M	Eshwar M	Eshwar M	Eshwar M	Eshwar M	Eshwar M
10.	411517105011	Giridharan K	Giridharan K	Giridharan K	Giridharan K	Giridharan K	Giridharan K
11.	411517105012	Goli Sai Supriya	Goli Sai Supriya	Goli Sai Supriya	Goli Sai Supriya	Goli Sai Supriya	Goli Sai Supriya
12.	411517105013	Ilavaruna Karthik P	Ilavaruna Karthik P	Ilavaruna Karthik P	Ilavaruna Karthik P	Ilavaruna Karthik P	Ilavaruna Karthik P
13.	411517105014	Jayasri A	Jayasri A	Jayasri A	Jayasri A	Jayasri A	Jayasri A
14.	411517105015	Jeevitha S	Jeevitha S	Jeevitha S	Jeevitha S	Jeevitha S	Jeevitha S
15.	411517105016	Karan Raj S	Karan Raj S	Karan Raj S	Karan Raj S	Karan Raj S	Karan Raj S
16.	411517105017	Keerthivasan C	Keerthivasan C	Keerthivasan C	Keerthivasan C	Keerthivasan C	Keerthivasan C
17.	411517105018	Manoj M	Manoj M	Manoj M	Manoj M	Manoj M	Manoj M
18.	411517105019	Mohamed Rizwan R	Mohamed Rizwan R	Mohamed Rizwan R	Mohamed Rizwan R	Mohamed Rizwan R	Mohamed Rizwan R
19.	411517105020	Monisha M	Monisha M	Monisha M	Monisha M	Monisha M	Monisha M
20.	411517105021	Mukesh S	Mukesh S	Mukesh S	Mukesh S	Mukesh S	Mukesh S
21.	411517105022	Naveen Kumar M	Naveen Kumar M	Naveen Kumar M	Naveen Kumar M	Naveen Kumar M	Naveen Kumar M
22.	411517105023	Poomani R	Poomani R	Poomani R	Poomani R	Poomani R	Poomani R
23.	411517105024	Rahman H	Rahman H	Rahman H	Rahman H	Rahman H	Rahman H
24.	411517105025	Rajesh S	Rajesh S	Rajesh S	Rajesh S	Rajesh S	Rajesh S
25.	411517105026	Rishika P	Rishika P	Rishika P	Rishika P	Rishika P	Rishika P
26.	411517105028	Rukmani V	Rukmani V	Rukmani V	Rukmani V	Rukmani V	Rukmani V
27.	411517105029	Santhosh Kumar S	Santhosh Kumar S	Santhosh Kumar S	Santhosh Kumar S	Santhosh Kumar S	Santhosh Kumar S

28.	411517105030	Sham Prabu A	Sham prabu A	Sham Prabu A	Sham Prabu A	Sham Prabu A	Sham Prabu A
29.	411517105031	Sharon Devakirubai B	Sharon devaki	Sharon devaki	Sharon devaki	Sharon devaki	Sharon devaki
30.	411517105032	Sugan C	C. Sugan	C. Sugan	C. Sugan	C. Sugan	C. Sugan
31.	411517105033	Swetha R	Swetha R	Swetha R	Swetha R	Swetha R	Swetha R
32.	411517105034	Swetha S	Swetha S	Swetha S	Swetha S	Swetha S	Swetha S
33.	411517105036	Vani D	Vani D	Vani D	Vani D	Vani D	Vani D
34.	411517105037	Vigneshwaran R	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
35.	411517105301	Jagan	Jagan	Jagan	Jagan	Jagan	Jagan
36.	411517105302	Premraj	Premraj	Premraj	Premraj	Premraj	Premraj
37.	411517105303	Vivek	Vivek	Vivek	Vivek	Vivek	Vivek
38.	411517105304	Yeshwanth	Yesh	Yesh	Yesh	Yesh	Yesh
IV - EEE							
1.	411516105001	Aarthy S	Aarthy	Aarthy	Aarthy	Aarthy	Aarthy
2.	411516105002	Balasubramani V	Balasub	Balasub	Balasub	Balasub	Balasub
3.	411516105003	Caleb W	Caleb W	Caleb W	Caleb W	Caleb W	Caleb W
4.	411516105004	Dhevadharshini V	Dharshini	Dharshini	Dharshini	Dharshini	Dharshini
5.	411516105005	Durai Murugan A	Durai	Durai	Durai	Durai	Durai
6.	411516105006	Guru Prasad R	Guru	Guru	Guru	Guru	Guru
7.	411516105007	Harikesh B	Harikesh B	Harikesh B	Harikesh B	Harikesh B	Harikesh B
8.	411516105008	Harish	Harish	Harish	Harish	Harish	Harish
9.	411516105011	Sam C	C. Sam	C. Sam	C. Sam	C. Sam	C. Sam
10.	411516105012	Sameeran B	Sameer	Sameer	Sameer	Sameer	Sameer
11.	411516105013	Vasanth V	Vasanth V	Vasanth V	Vasanth V	Vasanth V	Vasanth V
12.	411516105014	Vishali R	R. Vishali	R. Vishali	R. Vishali	R. Vishali	R. Vishali
13.	411516105301	Jagadesh N	Jagadesh N	Jagadesh N	Jagadesh N	Jagadesh N	Jagadesh N
14.	411516105302	Mahadeshwar S	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh
15.	411516105303	Srinivasalu G K	Srinivas	Srinivas	Srinivas	Srinivas	Srinivas


Coordinator



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HOD EEE

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Mannivakkam, Chennai 600048
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020

Assessment

Course Code : EW010

Course Name: Workshop on Embedded system design and Implementation

21 / 25
Abhisek
24/1/2020

1. Which memory storage is widely used in PCs and Embedded Systems?
a) EEPROM
b) Flash memory
c) SRAM
 d) DRAM
2. How is the protection and security for an embedded system made?
a) Security chips
b) Memory disk security
 c) IPR
d) OTP
3. Which of the following task swapping method is a better choice in the embedded systems design?
a) Time slice
b) RMS
 c) Cooperative multitasking
d) Pre-emptive
4. Which type of memory is suitable for low volume production of embedded systems?
 a) Non-volatile
b) RAM
c) Volatile
d) ROM
5. Which activity is concerned with identifying the task at the final embedded systems?
a) Scheduling
 b) Task-level concurrency management
c) High-level transformation
d) Compilation
6. Which level simulates the algorithms that are used within the embedded systems?
a) Algorithmic level
b) Switch level
c) Gate level
 d) Circuit level
7. How an embedded system communicate with the outside world?
a) Memory
b) Output
 c) Peripherals
d) Input

8. Which of the following helps in reducing the energy consumption of the embedded system?
 a) Emulator
 b) Debugger
 c) Simulator
 d) Compilers
9. What is the purpose of memory refresh register of Z80?
 a) To control on-chip SRAM
 b) To control on-chip DRAM
 c) To clear cache
 d) To control ROM
10. What does MESI stand for?
 a) Modified exclusive system input
 b) Modifies embedded shared invalid
 c) Modified exclusive shared invalid
 d) Modified exclusive stale invalid
11. Which of the following is the pin efficient method of communicating between other devices?
 a) Memory port
 b) Peripheral port
 c) Parallel port
 d) Serial port
12. Which of the following is a traditional method for emulating the processor?
 a) CPU simulator
 b) SDS
 c) ICE
 d) Low-level language simulator
13. Which of the following unit protects the memory?
 a) Memory management unit
 b) Peripheral unit
 c) Execution unit
 d) Bus interface unit
14. Identify the standard software components that can be reused in an embedded system design?
 a) Memory
 b) Application software
 c) Application manager
 d) Operating system
15. What does ICE stand for?
 a) In-circuit EPOM
 b) In-code emulation
 c) In-circuit emulation
 d) In-code EPROM
16. Who proposed the first power model?
 a) Tiwari
 b) Russell and Jacome
 c) Russell
 d) Jacome

17. Which of the following offers external chips for memory and peripheral interface circuits?
- a) Embedded system
 - b) Peripheral system
 - c) Microcontroller
 - d) **Microprocessor**
18. What kind of socket does an external EPROM to plugged in for prototyping?
- a) Piggyback reset socket
 - b) Multi-socket
 - c) **Piggyback**
 - d) Single socket
19. Which is the single device capable of providing prototyping support for a range of microcontroller?
- a) **Umbrella device**
 - b) OTP
 - c) RAM
 - d) ROM
20. By which instruction does the switching of registers take place?
- a) Register instruction
 - b) EXX instruction
 - c) **Instruction opcodes**
 - d) AXX instruction
21. Which of the architecture is more complex?
- a) MC68040
 - b) MC68030
 - c) **SPARC**
 - d) 8086
22. Which of the following statements are true for von Neumann architecture?
- a) Separate bus between the program memory and data memory
 - b) External bus for program memory and data memory
 - c) External bus for data memory only
 - d) **Shared bus between the program memory and data memory**
23. What is approximate data access time of SRAM? a) 2ns
- a) 10ns
 - b) 2ns
 - c) 60ns
 - d) **4ns**
24. Which of the following is the biggest challenge in the cache memory design?
- a) **Coherency**
 - b) Memory access
 - c) Size
 - d) Delay
25. Which ports are used in the multi-master system to avoid errors?
- a) **Bidirectional port**
 - b) Tridirectional port
 - c) Multi directional port
 - d) Unidirectional port

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020

FEEDBACK FORM

Name of the Student: ASKAR AH. T

Register No.: 411518105003

Year: II. EEE

Date of Feedback:

Course Name:

EMBEDDED SYSTEM DESIGN & IMPLEMENTATION

1. How do you value the course content?

THE CONTENT OF COURSE WAS VERY INNOVATIVE

2. How would you understand the content delivery by the instructor?

THE INSTRUCTOR WAS VERY INSPIRING

3. Write the overall quality of the program

WONDERFUL COURSE

4. Will you recommend this program to your friends/juniors/seniors?

YES I WILL

Suggestions to improve, if any:

NIL

Askar Ah. T
Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020

FEEDBACK FORM

Name of the Student: Rishika P

Register No.:

Year: III - EEE

Date of Feedback: 24/01/2020

Course Name: Workshop on 'Embedded System design and Implementation'

1. How do you value the course content?

The course content was impressive to the core

2. How would you understand the content delivery by the instructor?

The content delivery method increased the interest of students

3. Write the overall quality of the program

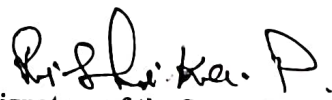
I would rate the program as the Best

4. Will you recommend this program to your friends/juniors/seniors?

I would like to recommend this program for others

Suggestions to improve, if any:

NIL


Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-2020

FEEDBACK FORM

Name of the Student: Sam.C.

Register No.: 411516105011

Year: IV - EEE

Date of Feedback: 24.01.2020

Course Name: Embedded System Design and Implementation

1. How do you value the course content?

The content is very beneficial

2. How would you understand the content delivery by the instructor?

The knowledge shared by the instructor was very brief

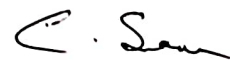
3. Write the overall quality of the program

Very Good.

4. Will you recommend this program to your friends/juniors/seniors?

Yes, Surely will recommend.

Suggestions to improve, if any: -



Signature of the Student

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organizes

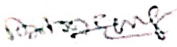
Workshop in

“EMBEDDED SYSTEM DESIGN & IMPLEMENTATION”

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr /Ms. ASKAR ALI T

of II Year, Electrical and Electronics Engineering, PERI Institute of Technology has completed a workshop in **EMBEDDED SYSTEM DESIGN & IMPLEMENTATION** held from **20/01/2020** to **24/01/2020**.



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COORDINATOR

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INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organizes

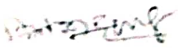
Workshop in

“EMBEDDED SYSTEM DESIGN & IMPLEMENTATION”

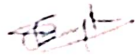
CERTIFICATE
OF PARTICIPATION

This is to certify that Mr/ Ms. Rishika P

of III Year, Electrical and Electronics Engineering, PERI Institute of Technology has completed a workshop in **EMBEDDED SYSTEM DESIGN & IMPLEMENTATION** held from **20/01/2020** to **24/01/2020**.



PRINCIPAL



VICE PRINCIPAL



HOD



COORDINATOR

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organizes

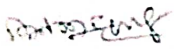
Workshop in

“EMBEDDED SYSTEM DESIGN & IMPLEMENTATION”

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms. SAM C

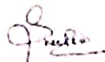
of IV Year, Electrical and Electronics Engineering, PERI Institute of Technology has completed a workshop in **EMBEDDED SYSTEM DESIGN & IMPLEMENTATION** held from **20/01/2020** to **24/01/2020**.



PRINCIPAL



VICE PRINCIPAL



HOD



COORDINATOR

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PERI Knowledge Park, Mannivakkam, Chennai - 600048

PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai 600048
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Ref: PERIIT /MECH /Workshop/2019-20/01

Date: 06.12.2019

CIRCULAR

The Mechanical Engineering Department of PERI IT has planned to conduct workshop titled “3D Printing” for the Academic year of 2019 – 2020 for III and IV year Mechanical students.

Sl. No.	Year	Scheduled Date	Session 1	Session 2
1	III & IV	07.01.2020 – 30.01.2020	8.30 AM to 11.45AM	12.30PM to 3.30PM


Co-Ordinator


Head of the Department

Head of the Department
Dept. of Mechanical Engg.
PERI INSTITUTE OF TECH.
Mannivakkam, Ch-600 048.

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PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-2020

Minutes of the Meeting

Course Code and Name: MEW008 3D Printing

Venue: HOD Room, Beta Block, PERI IT

Date: 13/12/2019 Time: 12.00 PM -1.00 PM

Agenda of the meeting:

1. Syllabus preparation
2. Tentative Time Table
3. Assessment method

Members present:

1. Mr. Anil Kumar, HOD/Mech
2. Dr. R. M. Sathyamoorthy, Assistant Professor / Mech
3. Mr. Sundarapandiyam, Assistant Professor / Mech
4. Mr. Dhilip Kumar, Assistant Professor / Mech

Mr. Dhilip Kumar, Coordinator welcomed and briefed the committee members about the agenda.

Agenda Item 1: Syllabus preparation for Solid works

The syllabus is framed accordingly in order to meet the objectives of the course, various Universities, IITs, NITs syllabus has been taken into consideration for syllabus preparation.

Agenda Item 2: Tentative Time Table

The timetable is prepared as per the university requirement and communicated to the subject expert.

Agenda Item 3: Assessment method

Assessment exam will be conducted at the end of the course.


Coordinator


Senior faculty member


HOD/MECH


PRINCIPAL

Head of the Department
Dept. of Mechanical Engg.
PERI INSTITUTE OF TECH. PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Ch-600 048 Mannivakkam, Chennai - 600 048

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF MECHANICAL ENGINEERING

SHORT DESCRIPTION

Course Code: MEW008

Course Name: 3D Printing

3D printing, also known as additive manufacturing, is a process of creating three-dimensional objects from a digital file by layering materials. Unlike traditional manufacturing methods that often involve subtracting material from a larger piece, 3D printing builds objects layer by layer, usually using materials such as plastic, resin, metal, or ceramic. This technique allows for the production of complex shapes and designs that would be difficult or impossible to achieve with conventional methods. 3D printing is used in various fields, including prototyping, manufacturing, medicine, and education, enabling rapid production and customization.

COURSE OBJECTIVES

The objective of a 3D printing course is to equip participants with the knowledge and skills necessary to understand, operate, and utilize 3D printing technology effectively. By the end of the course, students will be able to

- Understanding 3D Printing Technology
- Operational Competence and Material Selection
- Slicing Software Mastery and Problem-Solving Skills
- Perform basic simulations to test and validate designs.
- Utilize advanced features for specific design needs, such as sheet metal and elements.
- Apply best practices to enhance productivity and design quality.


Coordinator


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Mannivakkam, Chennai 600048

DEPARTMENT OF MECHANICAL ENGINEERING

MEW008 – 3D Printing

Syllabus

Session 1: Introduction to 3D Printing

Overview of 3D Printing Technology, History and evolution, Comparison with traditional manufacturing, Types of 3D Printing Technologies, Fused Deposition Modeling (FDM), Stereolithography (SLA), Selective Laser Sintering (SLS), Other emerging technologies

Session 2: 3D Modeling and Design

Introduction to CAD Software, Basics of CAD tools (e.g., Tinkercad, Fusion 360, Solid Works), Design Principles for 3D Printing, Designing for printability, Structural integrity and support, Creating and Modifying 3D Models

Session 3: Materials for 3D Printing

Overview of 3D Printing Materials, Plastics (PLA, ABS, PETG), Resins, Metals, Composites, Material Properties and Applications, Strength, flexibility, durability, Choosing the right material for your project

Session 3: 3D Printer Operation and Maintenance

Printer Setup and Calibration, Unboxing and assembling, Calibration techniques, Maintenance and Troubleshooting, Common issues and solutions, Regular maintenance tasks

Session 4: Printing and Post-Processing

Hands-On Printing Sessions, Printing your first model, monitoring the printing process, Post-Processing Techniques, Removing supports, Sanding, painting, and finishing, Assembly of printed parts

Session 5: Applications of 3D Printing

Industry Case Studies, Healthcare (prosthetics, medical models), Automotive and aerospace, Consumer products and fashion, Innovative, Applications, Customization and personalization, Rapid prototyping.


Coordinator


HOD/MECH

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PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE

Course Code: MEW008

Year/Semester: III, IV / VI, VIII

Course Name: 3D Printing

Session: FN & AN

Sl. No	DATE	HOURS	TOPICS
1	07.01.2020	1-6 th hour	Overview of 3D Printing Technology, History and evolution, Comparison with traditional manufacturing, Types of 3D Printing Technologies, Fused Deposition Modeling (FDM), Stereolithography (SLA), Selective Laser Sintering (SLS), Other emerging technologies.
2	08.01.2020	1-6 th hour	Introduction to CAD Software, Basics of CAD tools (e.g., Tinkercad, Fusion 360, Solid Works), Design Principles for 3D Printing, Designing for printability, Structural integrity and support, Creating and Modifying 3D Models.
3	24.01.2020	1-6 th hour	Overview of 3D Printing Materials, Plastics (PLA, ABS, PETG), Resins, Metals, Composites, Material Properties and Applications, Strength, flexibility, durability, Choosing the right material for your project.
4	25.01.2020	1-6 th hour	Creating 2D drawings from 3D models. Adding views: standard, section, detail, and auxiliary, Dimensioning and annotations.
5	30.01.2020	1-6 th hour	Creating exploded views and Bill of Materials (BOM), Creating sheet metal parts: bends, flanges, and flat patterns, Customizing Solid Works for improved productivity.


Coordinator


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 Mannivakkam, Ch-600 048.

PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai 600048
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Participants Name List

Course Name – 3D Printing

Course Code: MEW008

Year/Semester: III / VI

Sl. No	Registration Number	Student Name
1	411517114001	AADESH M
2	411517114002	ABDUL HAMEED A
3	411517114003	ABINESH C
4	411517114004	ABISHEK M (19-05-1999)
5	411517114005	ABISHEK M (16-06-2000)
6	411517114007	AJAY K
7	411517114008	AJAY R
8	411517114009	AJAY MUGIL V
9	411517114010	AJAY RAJ KUMAR G
10	411517114011	AJAY VISHWA V
11	411517114012	AJITHKUMAR S
12	411517114013	AKASH C
13	411517114014	AKASH S
14	411517114016	AKASH S
15	411517114017	ALFRED ROSHAN M
16	411517114018	ANANDHA KRISHNAN M
17	411517114019	ANISH R
18	411517114020	ANNAMALAI S
19	411517114021	ANTO PRINCE P
20	411517114022	APPANDAIRAJ S
21	411517114024	ARAVIND E B
22	411517114025	ARAVINDA KUMAR M
23	411517114026	ARAVIND KUMAR S
24	411517114027	ARUL ANANDHAM A S
25	411517114028	ARUN A S

Sl. No	Registration Number	Student Name
26	411517114029	ARUNKUMAR S
27	411517114030	ARUN KUMAR V
28	411517114033	BALAJI S (18-06-99) S
29	411517114034	BALAJI S (25-10-1999) S
30	411517114035	BARATH A
31	411517114039	BHARATH P
32	411517114040	BUVANESHWAR A
33	411517114041	CAJETAN RAHUL S A
34	411517114043	CHERUKURU TEJA
35	411517114044	DHANUSH E
36	411517114045	DHARUN NIVAS S N
37	411517114046	DINESH A
38	411517114047	DINESH B
39	411517114049	DINESH KUMAR C
40	411517114050	DIVYACHANDAR S
41	411517114051	ELUMALAI A
42	411517114052	FERNANDES K
43	411517114054	GOKULARAJA S
44	411517114055	GOKUL HARSHA P
45	411517114056	GOPESHWARAN A
46	411517114057	GOWTHAM N
47	411517114058	GOWTHAM RAJA M
48	411517114059	HARIHARAN B
49	411517114060	HARISH V
50	411517114063	JAGADEESH G


Coordinator


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Mannivakkam, Chennai 600048
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Participants Name List
Course Name – 3D Printing

Course Code: MEW008

Year/Semester: III / VI

Sl. No	Registration Number	Student Name
51	411517114064	JAIADITHIYAN P
52	411517114067	KAMALESH E
53	411517114068	KARAN SINGH J
54	411517114070	KARTHICKKUMAR S
55	411517114071	KARTHIKEYAN R
56	411517114072	KARUPPASAMY A
57	411517114073	KAVIARASAN J
58	411517114075	LOGESHWARAN S
59	411517114076	LOKESH S
60	411517114077	MADAN JASWANT RAHUL S
61	411517114078	MADHAVAN M
62	411517114079	MANICKAVASAGAR S
63	411517114080	MANIKANDAN C
64	411517114083	MANISH KUMAR R
65	411517114084	MANOJ G
66	411517114085	MANOJ KUMAR A
67	411517114086	MANYAM R CHARAN
68	411517114087	MARTIN ROY S
69	411517114088	MESHACH NEERAJ P V
70	411517114089	MITHUNA SRINIK A
71	411517114091	MOHAMMED ABUL FATHAH Z
72	411517114092	MOOVENDHAN V
73	411517114093	MOSES JEBARAJ A
74	411517114094	MUGESH KANNAN M
75	411517114095	MUHAMMAD YASAR ARAFATH S

Sl. No	Registration Number	Student Name
76	411517114096	MUKESHKUMAR S
77	411517114097	MUTHURAMALINGAM V
78	411517114098	MUZAFAR AHAMED F
79	411517114099	NAKKEERAN N
80	411517114100	NATARAJAN G
81	411517114101	NEHRU T
82	411517114102	NITHISH KUMAR S
83	411517114103	PALANI S
84	411517114104	PALANIVEL RAJA K
85	411517114105	PALLAVARAJ V
86	411517114106	PARVENDHAN T
87	411517114107	PATURU VISHAL
88	411517114108	PAVITHRAN S
89	411517114110	PRABAKARAN J
90	411517114111	PRADEEP KUMAR K
91	411517114112	PRAVEEN KUMAR J
92	411517114113	PRAVEEN KUMAR M
93	411517114114	PRAVEEN KUMAR S (03- 03-1999)
94	411517114115	PRAVEEN KUMAR S (08- 04-2000)
95	411517114116	PRAVINKUMAR K
96	411517114117	PREM KUMAR J
97	411517114118	PRIYESH P
98	411517114119	RAGHU D
99	411517114120	RAGUL R
100	411517114122	RAMANAIAH C V

PERI INSTITUTE OF TECHNOLOGY
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DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Participants Name List
Course Name – 3D Printing

Course Code: MEW008

Year/Semester: III / VI

Sl. No	Registration Number	Student Name
101	411517114124	RAVI KUMARAN K
102	411517114125	REVANTH S
103	411517114126	RISIKESH K
104	411517114127	SABARI A
105	411517114128	SABBE SATHVIK
106	411517114129	SAI BHARGAV K
107	411517114130	SAKTHI ANAND R
108	411517114131	SAKTHIVEL E
109	411517114132	SANDHIYA T
110	411517114134	SATHISH J
111	411517114135	SATHISHKUMAR S
112	411517114136	SELVADURAI C
113	411517114137	SELVAM P
114	411517114138	SENTHAMILAN K
115	411517114140	SOBIKA S
116	411517114142	SONU PRASAAD H
117	411517114143	SREEVATHSAN B
118	411517114144	SRIDHAR S
119	411517114145	SUDHEER V
120	411517114146	SUGUMARAN K
121	411517114147	SULTHAN BASHA A
122	411517114148	SURESH KUMAR S
123	411517114149	SURIYA K
124	411517114150	SYED NAZEEF
125	411517114151	THENNARASU R

Sl. No	Registration Number	Student Name
126	411517114152	THIYAGU C
127	411517114154	THULACIRAMAN R
128	411517114155	UDATHA MYTHRESH SAI MAHADEV
129	411517114156	VASANTHA KUMAR S
130	411517114157	VIGNESH A
131	411517114158	VIGNESH G (21-12-1999)
132	411517114159	VIGNESH G (23-12-1999)
133	411517114160	VIGNESH P
134	411517114161	VIGNESH R
135	411517114162	VIGNESHWARAN K
136	411517114164	VIKRAM P
137	411517114165	VIKRAMAN T
138	411517114168	YASAR ARUN S
139	411517114169	YUVAPRASATH B
140	411517114170	YVESRON P
141	411517114301	ARUN KUMAR G
142	411517114302	GANGADHARAN K
143	411517114303	PRAVEEN KUMAR N
144	411517114304	ROGAN RAJ P
145	411517114305	VIGNESH S
146	411517114306	YOGESHWAR RAO S
147	411517114701	RAJA EBIN S

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DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Participants Name List

Course Name – 3D Printing

Course Code: MEW008

Year/Semester: IV / VIII

Sl. No	Registration Number	Student Name	Sl. No	Registration Number	Student Name
1	411516114003	AJAY KRISHNAN H	26	411516114055	MOHAMED ANWAR A
2	411516114004	AJAY KUMAR P	27	411516114057	MOHANBABU S
3	411516114005	AJESH LIBIN A	28	411516114058	MONESH RAJA R
4	411516114009	ANTROW BAVIN A	29	411516114061	NAGANANTHAN S
5	411516114010	ASHWINKUMAR J	30	411516114062	NAVEEN KUMAR G
6	411516114013	BALAMURUGAN P	31	411516114064	NIRMAL KUMAR R
7	411516114015	CHRISTOB MELBAN S	32	411516114071	RAGHAVARDHAN V
8	411516114016	DHACHENAMOORTHY V	33	411516114072	RAJ S
9	411516114017	DHANAARASU D	34	411516114073	RAMKUMAR K
10	411516114019	DINESH R	35	411516114074	RAVICHANDRAN M
11	411516114020	DINESH KUMAR S	36	411516114078	RITHIK P S
12	411516114022	GOPAL CHOWDARY F	37	411516114080	SAM PRINCE M
13	411516114023	GOPINATH C	38	411516114081	SAMSON F
14	411516114024	GOWTHAM K	39	411516114082	SANTHOSHKUMAR T
15	411516114026	GUNASEKAR M	40	411516114084	SATHISH B
16	411516114028	HARI GANESH R	41	411516114085	SATHIS KUMAR R
17	411516114031	HEMNATH G	42	411516114087	SHAKTHIVEL R
18	411516114035	JAYAPRATHAP E	43	411516114088	SIVAGNANAM A
19	411516114036	JEEVA PENIEL D	44	411516114089	SUNDHAR M
20	411516114037	JEEVESH S	45	411516114092	TAMIZH MANNAN S
21	411516114045	KARTHIKEYAN V G	46	411516114093	THARANEESWAR H
22	411516114046	KEERTHIVASAN R	47	411516114095	VAIDYANATHAN V
23	411516114047	KUMARAN B	48	411516114098	VIGNESH B
24	411516114048	KURALARASAN V	49	411516114102	VIJAYRAJAN V
25	411516114049	LAKSHMI NARAYANAN N	50	411516114103	VINOTH S (29-04-1998)

PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai 600048
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Participants Name List
Course Name – 3D Printing

Course Code: MEW008

Year/Semester: IV / VIII

Sl. No	Registration Number	Student Name
51	411516114104	VINOTH S (03-11-1998)
52	411516114302	CHANDRU R
53	411516114303	JOB A
54	411516114304	KARTHICK E
55	411516114305	MANICKAM D
56	411516114306	NAVEEN KUMAR S
57	411516114307	RAKESH KUMAR SWAIN
58	411516114309	SHAJITH S
59	411516114312	SURENDAR N
60	411516114708	VINOTH V
61	411516114901	THILLAI VENTHAN K
62	411516114002	ABISHEK A
63	411516114006	AJITH A
64	411516114008	AMUDHA RAJ V
65	411516114011	ASHWIN KUMAR R
66	411516114012	BALAJI S
67	411516114014	BALAMURUGAN V
68	411516114021	ELANGO S
69	411516114025	GUKAN J
70	411516114027	GURUMURTHY R
71	411516114029	HARISH K
72	411516114032	JAGADISH M
73	411516114033	JANARTHANAN S
74	411516114034	JAWAHAR SUBBURAJ M
75	411516114039	JOEL RUBERTON R
76	411516114040	JUNIOR NALLATHAMBI K
77	411516114041	KADHARMUGAIDEEN A
78	411516114043	KARMEGAKANNAN N
79	411516114051	MANI K
80	411516114052	MANIKANDAN S

Sl. No	Registration Number	Student Name
81	411516114053	MANOJ KUMAR D
82	411516114054	MERVIN RAJ I
83	411516114056	MOHANARAM R
84	411516114059	MUKESHKUMAR S
85	411516114060	MUKILAN S
86	411516114063	NIJANTHA KUMAR P
87	411516114066	PRAKASH V
88	411516114067	PRASANTH D
89	411516114068	PRASHANTH C
90	411516114069	PRAVEEN SK
91	411516114075	RAVIKUMAR K S
92	411516114076	RENETH B
93	411516114083	SARAVANAN R
94	411516114086	SERBIN SA
95	411516114090	SURESHKUMAR S
96	411516114094	THAVAKKAL T
97	411516114096	VENKATESH R
98	411516114097	VICHITHIRAN P
99	411516114099	VIGNESH M
100	411516114100	VIGNESH R (19-07-98)
101	411516114101	VIGNESH R (19-08-98)
102	411516114301	BHARANI DHARAN A M
103	411516114308	ROHITH C K
104	411516114310	SRINATH R
105	411516114311	SRINIVASAN D
106	411516114313	UDHAYA KUMAR M
107	411516114701	KANNAN K
108	411516114702	SURENDAR R
109	411516114705	SOUNDARARAJAN M
110	411516114707	SATHISH KUMAR S


Coordinator


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PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai 600048
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2021-2022

Attendance Sheet

Course Name: 3 D PRINTING

Course Code: MEW008

Year/Semester: III, IV / VI, VIII

Sl. No	Registration Number	Student Name	07.01.20	08.01.20	24.01.20	25.01.20	30.01.20
Third Year							
1	411517114001	AADESH M	Aadesh	Aadesh	Aadesh	Aadesh	Aadesh
2	411517114002	ABDUL HAMEED A	Abdul	Abdul	Abdul	Abdul	Abdul
3	411517114003	ABINESH C	Abi	Abi	Abi	Abi	Abi
4	411517114004	ABISHEK M (19-05-1999)	Abishesh	Abishesh	Abishesh	Abishesh	Abishesh
5	411517114005	ABISHEK M (16-06-2000)	Abishesh	Abishesh	Abishesh	Abishesh	Abishesh
6	411517114007	AJAY K	Ajay	Ajay	Ajay	Ajay	Ajay
7	411517114008	AJAY R	Ajay	Ajay	Ajay	Ajay	Ajay
8	411517114009	AJAY MUGIL V	Ajay	Ajay	Ajay	Ajay	Ajay
9	411517114010	AJAY RAJ KUMAR G	Ajay	Ajay	Ajay	Ajay	Ajay
10	411517114011	AJAY VISHWA V	Ajay	Ajay	Ajay	Ajay	Ajay
11	411517114012	AJITHKUMAR S	Ajith	Ajith	Ajith	Ajith	Ajith
12	411517114013	AKASH C	Akash	Akash	Akash	Akash	Akash
13	411517114014	AKASH S	Aakash	Aakash	Aakash	Aakash	Aakash
14	411517114016	AKASH S	S.Akash	S.Akash	S.Akash	S.Akash	S.Akash
15	411517114017	ALFRED ROSHAN M	Alfred	Alfred	Alfred	Alfred	Alfred
16	411517114018	ANANDHA KRISHNAN M	Anand	Anand	Anand	Anand	Anand
17	411517114019	ANISH R	Anish	Anish	Anish	Anish	Anish
18	411517114020	ANNAMALAI S	Annamalai	Annamalai	Annamalai	Annamalai	Annamalai
19	411517114021	ANTO PRINCE P	ANTOPRINCE	ANTOPRINCE	ANTOPRINCE	ANTOPRINCE	ANTOPRINCE
20	411517114022	APPANDAIRAJ S	Appairaj	Appairaj	Appairaj	Appairaj	Appairaj
21	411517114024	ARAVIND E B	Aravind	Aravind	Aravind	Aravind	Aravind
22	411517114025	ARAVINDA KUMAR M	Aravind	Aravind	Aravind	Aravind	Aravind
23	411517114026	ARAVIND KUMAR S	Aravind	Aravind	Aravind	Aravind	Aravind
24	411517114027	ARUL ANANDHAM A S	Arul	Arul	Arul	Arul	Arul
25	411517114028	ARUN A S	Arun	Arun	Arun	Arun	Arun
26	411517114029	ARUNKUMAR S	Arun	Arun	Arun	Arun	Arun
27	411517114030	ARUN KUMAR V	Arun	Arun	Arun	Arun	Arun

28	411517114033	BALAJI S (18-06-99) S	Bala	Bala	Bala	Bala	Bala
29	411517114034	BALAJI S (25-10-1999) S	Bijsi	Bijsi	Bijsi	Bijsi	Bijsi
30	411517114035	BARATH A	Barath	Barath	Barath	Barath	Barath
31	411517114039	BHARATH P	Bharath	Bharath	Bharath	Bharath	Bharath
32	411517114040	BUVANESHWAR A	Buva	Buva	Buva	Buva	Buva
33	411517114041	CAJETAN RAHUL S A	Caj	Caj	Caj	Caj	Caj
34	411517114043	CHERUKURU TEJA	Cher	Cher	Cher	Cher	Cher
35	411517114044	DHANUSH E	Dhanush	Dhanush	Dhanush	Dhanush	Dhanush
36	411517114045	DHARUN NIVAS S N	Dharun	Dharun	Dharun	Dharun	Dharun
37	411517114046	DINESH A	Dini	Dini	Dini	Dini	Dini
38	411517114047	DINESH B	Dini	Dini	Dini	Dini	Dini
39	411517114049	DINESH KUMAR C	Dini	Dini	Dini	Dini	Dini
40	411517114050	DIVYACHANDAR S	Dchay	Dchay	Dchay	Dchay	Dchay
41	411517114051	ELUMALAI A	Eto	Eto	Eto	Eto	Eto
42	411517114052	FERNANDES K	Fer	Fer	Fer	Fer	Fer
43	411517114054	GOKULARAJA S	Gokul	Gokul	Gokul	Gokul	Gokul
44	411517114055	GOKUL HARSHA P	Gokulharsha	Gokulharsha	Gokulharsha	Gokulharsha	Gokulharsha
45	411517114056	GOPESHWARAN A	Gopi	Gopi	Gopi	Gopi	Gopi
46	411517114057	GOWTHAM N	Gowth	Gowth	Gowth	Gowth	Gowth
47	411517114058	GOWTHAM RAJA M	Gowth	Gowth	Gowth	Gowth	Gowth
48	411517114059	HARIHARAN B	Hari	Hari	Hari	Hari	Hari
49	411517114060	HARISH V	Harish	Harish	Harish	Harish	Harish
50	411517114063	JAGADEESH G	Jaga	Jaga	Jaga	Jaga	Jaga
51	411517114064	JAIADITHIYAN P	Jai	Jai	Jai	Jai	Jai
52	411517114067	KAMALESH E	Kandah	Kandah	Kandah	Kandah	Kandah
53	411517114068	KARAN SINGH J	Kam	Kam	Kam	Kam	Kam
54	411517114070	KARTHICKKUMAR S	Karthi	Karthi	Karthi	Karthi	Karthi
55	411517114071	KARTHIKEYAN R	Karthi	Karthi	Karthi	Karthi	Karthi
56	411517114072	KARUPPASAMY A	Karppu	Karppu	Karppu	Karppu	Karppu
57	411517114073	KAVIARASAN J	Kavir	Kavir	Kavir	Kavir	Kavir
58	411517114075	LOGESHWARAN S.	Logeshwar	Logeshwar	Logeshwar	Logeshwar	Logeshwar
59	411517114076	LOKESH S	Loki	Loki	Loki	Loki	Loki
60	411517114077	MADAN JASWANT RAHUL S	Muni	Muni	Muni	Muni	Muni
61	411517114078	MADHAVAN M	Ma	Ma	Ma	Ma	Ma

62	411517114079	MANICKAVASAGAR S	Mani	Mani	Mani	Mani	Mani
63	411517114080	MANIKANDAN C	Mani	Mani	Mani	Mani	Mani
64	411517114083	MANISH KUMAR R	Mani	Mani	Mani	Mani	Mani
65	411517114084	MANOJ G	Manoj	Manoj	Manoj	Manoj	Manoj
66	411517114085	MANOJ KUMAR A	Manoj	Manoj	Manoj	Manoj	Manoj
67	411517114086	MANYAM R CHARAN	Mani	Mani	Mani	Mani	Mani
68	411517114087	MARTIN ROY S	Roy	Roy	Roy	Roy	Roy
69	411517114088	MESHACH NEERAJ P V	Mesh	Mesh	Mesh	Mesh	Mesh
70	411517114089	MITHUNA SRINIK A	Aith	Aith	Aith	Aith	Aith
71	411517114091	MOHAMMED ABUL FATHAH Z	Fath	Fath	Fath	Fath	Fath
72	411517114092	MOOVENDHAN V	Moo	Moo	Moo	Moo	Moo
73	411517114093	MOSES JEBARAJ A	Moses	Moses	Moses	Moses	Moses
74	411517114094	MUGESH KANNAN M	Mugesh	Mugesh	Mugesh	Mugesh	Mugesh
75	411517114095	MUHAMMAD YASAR ARAFATH S	Yasar	Yasar	Yasar	Yasar	Yasar
76	411517114096	MUKESHKUMAR S	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh
77	411517114097	MUTHURAMALINGAM V	Linga	Linga	Linga	Linga	Linga
78	411517114098	MUZAFAR AHAMED F	Aha	Aha	Aha	Aha	Aha
79	411517114099	NAKKEERAN N	Nake	Nake	Nake	Nake	Nake
80	411517114100	NATARAJAN G	Natarajan	Natarajan	Natarajan	Natarajan	Natarajan
81	411517114101	NEHRU T	Nehru	Nehru	Nehru	Nehru	Nehru
82	411517114102	NITHISH KUMAR S	Nithish	Nithish	Nithish	Nithish	Nithish
83	411517114103	PALANI S	Palani	Palani	Palani	Palani	Palani
84	411517114104	PALANIVEL RAJA K	Palani	Palani	Palani	Palani	Palani
85	411517114105	PALLAVARAJ V	Palani	Palani	Palani	Palani	Palani
86	411517114106	PARVENDHAN T	Parv	Parv	Parv	Parv	Parv
87	411517114107	PATURU VISHAL	Patru	Patru	Patru	Patru	Patru
88	411517114108	PAVITHRAN S	Pavith	Pavith	Pavith	Pavith	Pavith
89	411517114110	PRABAKARAN J	Praba	Praba	Praba	Praba	Praba
90	411517114111	PRADEEP KUMAR K	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep
91	411517114112	PRAVEEN KUMAR J	Praveen	Praveen	Praveen	Praveen	Praveen
92	411517114113	PRAVEEN KUMAR M	Praveen	Praveen	Praveen	Praveen	Praveen
93	411517114114	PRAVEEN KUMAR S (03-03-1999)	Praveen	Praveen	Praveen	Praveen	Praveen
94	411517114115	PRAVEEN KUMAR S (08-	Praveen	Praveen	Praveen	Praveen	Praveen

		04-2000)						
95	411517114116	PRAVINKUMAR K	Prav	Prav	Prav	Prav	Prav	Prav
96	411517114117	PREM KUMAR J	Pran	Pran	Pran	Pran	Pran	
97	411517114118	PRIYESH P	Prinysh	Prinysh	Prinysh	Prinysh	Prinysh	
98	411517114119	RAGHU D	Raghu	Raghu	Raghu	Raghu	Raghu	
99	411517114120	RAGUL R	Ragul	Ragul	Ragul	Ragul	Ragul	
100	411517114122	RAMANAIAH C V	Rama	Rama	Rama	Rama	Rama	
101	411517114124	RAVI KUMARAN K	Ravi	Ravi	Ravi	Ravi	Ravi	
102	411517114125	REVANTH S	Revant	Revant	Revant	Revant	Revant	
103	411517114126	RISIKESH K	R. RSI	R. RSI	R. RSI	R. RSI	R. RSI	
104	411517114127	SABARI A	Sabi	Sabi	Sabi	Sabi	Sabi	
105	411517114128	SABBE SATHVIK	Saba	Saba	Saba	Saba	Saba	
106	411517114129	SAI BHARGAV K	Sai	Sai	Sai	Sai	Sai	
107	411517114130	SAKTHI ANAND R	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	
108	411517114131	SAKTHIVEL E	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	
109	411517114132	SANDHIYA T	Sandhi	Sandhi	Sandhi	Sandhi	Sandhi	
110	411517114134	SATHISH J	Sathish	Sathish	Sathish	Sathish	Sathish	
111	411517114135	SATHISHKUMAR S	Sathish	Sathish	Sathish	Sathish	Sathish	
112	411517114136	SELVADURAI C	Selva	Selva	Selva	Selva	Selva	
113	411517114137	SELVAM P	Selva	Selva	Selva	Selva	Selva	
114	411517114138	SENTHAMILAN K	Senath	Senath	Senath	Senath	Senath	
115	411517114140	SOBIKA S	Sobika	Sobika	Sobika	Sobika	Sobika	
116	411517114142	SONU PRASAAD H	Sonu	Sonu	Sonu	Sonu	Sonu	
117	411517114143	SREEVATHSAN B	Sree	Sree	Sree	Sree	Sree	
118	411517114144	SRIDHAR S	Sridhar	Sridhar	Sridhar	Sridhar	Sridhar	
119	411517114145	SUDHEER V	Sudheer	Sudheer	Sudheer	Sudheer	Sudheer	
120	411517114146	SUGUMARAN K	Suga	Suga	Suga	Suga	Suga	
121	411517114147	SULTHAN BASHA A	Basha	Basha	Basha	Basha	Basha	
122	411517114148	SURESH KUMAR S	Suresh	Suresh	Suresh	Suresh	Suresh	
123	411517114149	SURIYA K	Suriya	Suriya	Suriya	Suriya	Suriya	
124	411517114150	SYED NAZEEF	SYED	SYED	SYED	SYED	SYED	
125	411517114151	THENNARASU R	Thenn	Thenn	Thenn	Thenn	Thenn	
126	411517114152	THIYAGU C	Thiyagu	Thiyagu	Thiyagu	Thiyagu	Thiyagu	
127	411517114154	THULACI RAMAN R	Thulaci	Thulaci	Thulaci	Thulaci	Thulaci	

128	411517114155	UDATHA MYTHRESH SAI MAHADEV	Udatha	Udatha	Udatha	Udatha	Udatha
129	411517114156	VASANTHA KUMAR S	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth
130	411517114157	VIGNESH A	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
131	411517114158	VIGNESH G (21-12-1999)	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
132	411517114159	VIGNESH G (23-12-1999)	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
133	411517114160	VIGNESH P	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
134	411517114161	VIGNESH R	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
135	411517114162	VIGNESHWARAN K	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
136	411517114164	VIKRAM P	Vikram	Vikram	Vikram	Vikram	Vikram
137	411517114165	VIKRAMAN T	Vikram	Vikram	Vikram	Vikram	Vikram
138	411517114168	YASAR ARUN S	Yasar	Yasar	Yasar	Yasar	Yasar
139	411517114169	YUVAPRASATH B	Yuvapr	Yuvapr	Yuvapr	Yuvapr	Yuvapr
140	411517114170	YVESRON P	Yvesron	Yvesron	Yvesron	Yvesron	Yvesron
141	411517114301	ARUN KUMAR G	Arun	Arun	Arun	Arun	Arun
142	411517114302	GANGADHARAN K	Gangadhar	Gangadhar	Gangadhar	Gangadhar	Gangadhar
143	411517114303	PRAVEEN KUMAR N	Praveen	Praveen	Praveen	Praveen	Praveen
144	411517114304	ROGAN RAJ P	Rogan	Rogan	Rogan	Rogan	Rogan
145	411517114305	VIGNESH S	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
146	411517114306	YOGESHWAR RAO S	Yogeshwar	Yogeshwar	Yogeshwar	Yogeshwar	Yogeshwar
147	411517114701	RAJA EBIN S	Raja	Raja	Raja	Raja	Raja
Final Year							
1	411516114003	AJAY KRISHNAN H	Ajay	Ajay	Ajay	Ajay	Ajay
2	411516114004	AJAY KUMAR P	Ajay	Ajay	Ajay	Ajay	Ajay
3	411516114005	AJESH LIBIN A	Ajesh	Ajesh	Ajesh	Ajesh	Ajesh
4	411516114009	ANTROW BAVIN A	Antrow	Antrow	Antrow	Antrow	Antrow
5	411516114010	ASHWINKUMAR J	Ashwin	Ashwin	Ashwin	Ashwin	Ashwin
6	411516114013	BALAMURUGAN P	Bala	Bala	Bala	Bala	Bala
7	411516114015	CHRISTOB MELBAN S	Christob	Christob	Christob	Christob	Christob
8	411516114016	DHACHENAMOORTHY V	Dhachen	Dhachen	Dhachen	Dhachen	Dhachen
9	411516114017	DHANAARASU D	Dhana	Dhana	Dhana	Dhana	Dhana
10	411516114019	DINESH R	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh

11	411516114020	DINESH KUMAR S	Dinsh	Dinsh	Dinsh	Dinsh	Dinsh
12	411516114022	GOPAL CHOWDARY F	Chowd	Chowd	Chowd	Chowd	Chowd
13	411516114023	GOPINATH C	Goppi	Goppi	Goppi	Goppi	Goppi
14	411516114024	GOWTHAM K	Gowth	Gowth	Gowth	Gowth	Gowth
15	411516114026	GUNASEKAR M	M.Gun	M.Gun	M.Gun	M.Gun	M.Gun
16	411516114028	HARI GANESH R	Hari	Hari	Hari	Hari	Hari
17	411516114031	HEMNATH G	Hemnt	Hemnt	Hemnt	Hemnt	Hemnt
18	411516114035	JAYAPRATHAP E	Jaypr	Jaypr	Jaypr	Jaypr	Jaypr
19	411516114036	JEEVA PENIEL D	Jeeva	Jeeva	Jeeva	Jeeva	Jeeva
20	411516114037	JEEVESH S	Jeevesh	Jeevesh	Jeevesh	Jeevesh	Jeevesh
21	411516114045	KARTHIKEYAN V G	V.G.Kart	V.G.Kart	V.G.Kart	V.G.Kart	V.G.Kart
22	411516114046	KEERTHIVASAN R	Keert	Keert	Keert	Keert	Keert
23	411516114047	KUMARAN B	Kumara	Kumara	Kumara	Kumara	Kumara
24	411516114048	KURALARASAN V	Kurala	Kurala	Kurala	Kurala	Kurala
25	411516114049	LAKSHMI NARAYANAN N	Lakshmi	Lakshmi	Lakshmi	Lakshmi	Lakshmi
26	411516114055	MOHAMED ANWAR A	Anwar	Anwar	Anwar	Anwar	Anwar
27	411516114057	MOHANBABU S	Mohan	Mohan	Mohan	Mohan	Mohan
28	411516114058	MONESH RAJA R	Monesh	Monesh	Monesh	Monesh	Monesh
29	411516114061	NAGANANTHAN S	Nagan	Nagan	Nagan	Nagan	Nagan
30	411516114062	NAVEEN KUMAR G	Naveen	Naveen	Naveen	Naveen	Naveen
31	411516114064	NIRMAL KUMAR R	Nirmal	Nirmal	Nirmal	Nirmal	Nirmal
32	411516114071	RAGHAVARDHAN V	Raghav	Raghav	Raghav	Raghav	Raghav
33	411516114072	RAJ S	Raj	Raj	Raj	Raj	Raj
34	411516114073	RAMKUMAR K	Ramkumar	Ramkumar	Ramkumar	Ramkumar	Ramkumar
35	411516114074	RAVICHANDRAN M	Ravichan	Ravichan	Ravichan	Ravichan	Ravichan
36	411516114078	RITHIK P S	Rithik	Rithik	Rithik	Rithik	Rithik
37	411516114080	SAM PRINCE M	Sam	Sam	Sam	Sam	Sam
38	411516114081	SAMSON F	Samson	Samson	Samson	Samson	Samson
39	411516114082	SANTHOSHKUMAR T	Santhosh	Santhosh	Santhosh	Santhosh	Santhosh
40	411516114084	SATHISH B	Sathish	Sathish	Sathish	Sathish	Sathish
41	411516114085	SATHIS KUMAR R	Sathis	Sathis	Sathis	Sathis	Sathis
42	411516114087	SHAKTHIVEL R	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi

43	411516114088	SIVAGNANAM A	Siva	Siva	SIVA	SIVA	SIVA
44	411516114089	SUNDHAR M	Sundhar	Sundhar	Sundhar	Sundhar	Sundhar
45	411516114092	TAMIZH MANNAN S	Tamizh	Tamizh	Tamizh	Tamizh	Tamizh
46	411516114093	THARANEESWAR H	Tharaneeswar	Tharaneeswar	Tharaneeswar	Tharaneeswar	Tharaneeswar
47	411516114095	VAIDYANATHAN V	Vaidyanathan	Vaidyanathan	Vaidyanathan	Vaidyanathan	Vaidyanathan
48	411516114098	VIGNESH B	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
49	411516114102	VIJAYRAJAN V	Vijayarajan	Vijayarajan	Vijayarajan	Vijayarajan	Vijayarajan
50	411516114103	VINOTH S (29-04-1998)	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth
51	411516114104	VINOTH S (03-11-1998)	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth
52	411516114302	CHANDRU R	Chandru	Chandru	Chandru	Chandru	Chandru
53	411516114303	JOB A	Job	Job	Job	Job	Job
54	411516114304	KARTHICK E	Karthick	Karthick	Karthick	Karthick	Karthick
55	411516114305	MANICKAM D	Manickam	Manickam	Manickam	Manickam	Manickam
56	411516114306	NAVEEN KUMAR S	Naveen	Naveen	Naveen	Naveen	Naveen
57	411516114307	RAKESH KUMAR SWAIN	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh
58	411516114309	SHAJITH S	Shajith	Shajith	Shajith	Shajith	Shajith
59	411516114312	SURENDAR N	Surender	Surender	Surender	Surender	Surender
60	411516114708	VINOTH V	Vinoth	Vinoth	Vinoth	Vinoth	Vinoth
61	411516114901	THILLAI VENTHAN K	Thillai	Thillai	Thillai	Thillai	Thillai
62	411516114002	ABISHEK A	Abishek	Abishek	Abishek	Abishek	Abishek
63	411516114006	AJITH A	Ajith	Ajith	Ajith	Ajith	Ajith
64	411516114008	AMUDHARAJ V	Amudharaj	Amudharaj	Amudharaj	Amudharaj	Amudharaj
65	411516114011	ASHWIN KUMAR R	Ashwin	Ashwin	Ashwin	Ashwin	Ashwin
66	411516114012	BALAJI S	Balaji	Balaji	Balaji	Balaji	Balaji
67	411516114014	BALAMURUGAN V	Balamurugan	Balamurugan	Balamurugan	Balamurugan	Balamurugan
68	411516114021	ELANGO S	Elango	Elango	Elango	Elango	Elango
69	411516114025	GUKAN J	Gukan	Gukan	Gukan	Gukan	Gukan
70	411516114027	GURUMURTHY R	Gurumurthy	Gurumurthy	Gurumurthy	Gurumurthy	Gurumurthy
71	411516114029	HARISH K	Harish	Harish	Harish	Harish	Harish
72	411516114032	JAGADISH M	Jagadish	Jagadish	Jagadish	Jagadish	Jagadish
73	411516114033	JANARTHANAN S	Janarthanan	Janarthanan	Janarthanan	Janarthanan	Janarthanan
74	411516114034	JAWAHAR SUBBURAJ M	Jawahar	Jawahar	Jawahar	Jawahar	Jawahar
75	411516114039	JOEL RUBERTON R	Joel	Joel	Joel	Joel	Joel
76	411516114040	JUNIOR NALLATHAMBI K	Junior	Junior	Junior	Junior	Junior

77	411516114041	KADHARMUGAIDEEN A	kaa	kaa	kaa	kaa	kaa
78	411516114043	KARMEGAKANNAN N	knn	knn	knn	knn	knn
79	411516114051	MANI K	mani	mani	mani	mani	mani
80	411516114052	MANIKANDAN S	S.mani	S.mani	S.mani	S.mani	S.mani
81	411516114053	MANOJ KUMAR D	D.km	D.km	D.km	D.km	D.km
82	411516114054	MERVIN RAJ I	Raj	Raj	Raj	Raj	Raj
83	411516114056	MOHANA RAM R	R.Ram	R.Ram	R.Ram	R.Ram	R.Ram
84	411516114059	MUKESHKUMAR S	Mukeshk	Mukeshk	Mukeshk	Mukeshk	Mukeshk
85	411516114060	MUKILAN S	Mukilan	Mukilan	Mukilan	Mukilan	Mukilan
86	411516114063	NIJANTHA KUMAR P	P.nijan	P.nijan	P.nijan	P.nijan	P.nijan
87	411516114066	PRAKASH V	Prakash	Prakash	Prakash	Prakash	Prakash
88	411516114067	PRASANTH D	Prasanth	Prasanth	Prasanth	Prasanth	Prasanth
89	411516114068	PRASHANTH C	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth
90	411516114069	PRAVEEN S K	Praveen	Praveen	Praveen	Praveen	Praveen
91	411516114075	RAVIKUMAR K S	Ravi	Ravi	Ravi	Ravi	Ravi
92	411516114076	RENETH B	Reneth	Reneth	Reneth	Reneth	Reneth
93	411516114083	SARAVANAN R	Saran	Saran	Saran	Saran	Saran
94	411516114086	SERBIN SA	Serbin	Serbin	Serbin	Serbin	Serbin
95	411516114090	SURESHKUMAR S	Suresh	Suresh	Suresh	Suresh	Suresh
96	411516114094	THAVAKKAL T	Thavak	Thavak	Thavak	Thavak	Thavak
97	411516114096	VENKATESH R	Venk	Venk	Venk	Venk	Venk
98	411516114097	VICHITHIRAN P	Vich	Vich	Vich	Vich	Vich
99	411516114099	VIGNESH M	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
100	411516114100	VIGNESH R (19-07-98)	V	V	V	V	V
101	411516114101	VIGNESH R (19-08-98)	V	V	V	V	V
102	411516114301	BHARANI DHARAN A M	Bharani	Bharani	Bharani	Bharani	Bharani
103	411516114308	ROHITH C K	Rohith	Rohith	Rohith	Rohith	Rohith
104	411516114310	SRINATH R	Srinath	Srinath	Srinath	Srinath	Srinath
105	411516114311	SRINIVASAN D	Srinivas	Srinivas	Srinivas	Srinivas	Srinivas
106	411516114313	UDHAYA KUMAR M	Udhaya	Udhaya	Udhaya	Udhaya	Udhaya
107	411516114701	KANNAN K	Kannan	Kannan	Kannan	Kannan	Kannan
108	411516114702	SURENDAR R	Suren	Suren	Suren	Suren	Suren
109	411516114705	SOUNDARARAJAN M	Soundar	Soundar	Soundar	Soundar	Soundar
110	411516114707	SATHISH KUMAR S	Sathish	Sathish	Sathish	Sathish	Sathish

Coordinator

[Handwritten Signature]

[Handwritten Signature]

HOD/MECH

Head of the Department
Dept. of Mechanical Engg.
PERI INSTITUTE OF TECH.

Name: PRAKASH, C
Reg No: 411516114066
Year: IV

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

30.01.2020.

Assessment Test

Course code and Name: MEW008 3D PRINTING



84

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[Handwritten signature]

DATE : 30.01.2020

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-2020

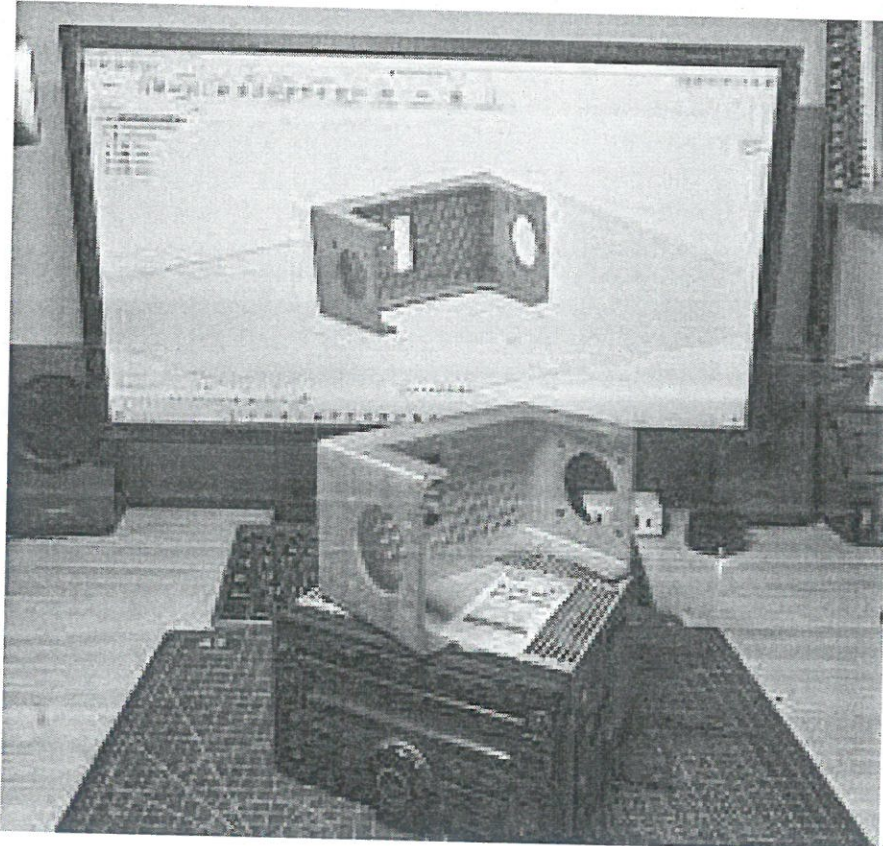
Assessment Test

Course code and Name: MEW008 3D PRINTING

Reg. No: 411516114311

Name: Srinivasan.D

class: IV yr



87
100

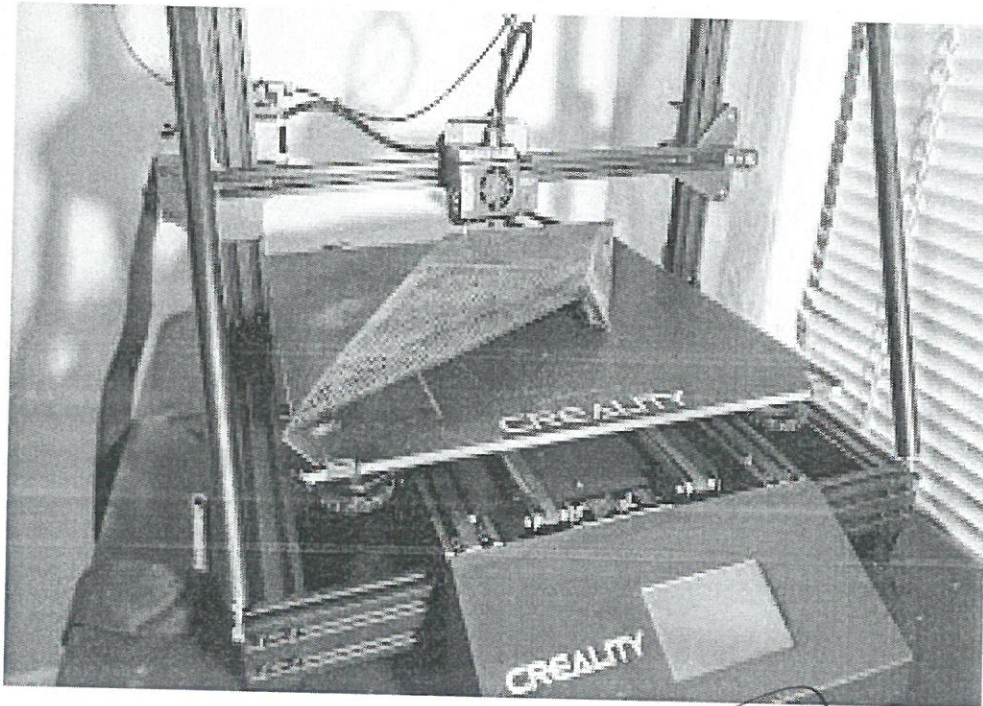
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DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Assessment Test

Course code and Name: MEW008 3D PRINTING

41151711406
Jagadeesh G
III yr.
30.01.2020



73
100

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PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: PRAKASH.C

Register No: 411516114066

Year: 1st yr

Date of Feedback: 30.01.2020

Course Name: 3D-PRINTING

1. How do you value the course content?

It was very useful and helpful

2. How would you understand the content delivery by the instructor?

Very interesting and clear explanation

3. Write the overall quality of the program

Excellent, knowledge is high

4. Will you recommend this program to your friends/juniors/seniors?

Sure, will recommend with friends

Suggestions to improve, if any:

good manner.

Prca

Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: Srinivasan, D

Register No: 411516114311

Year: IV yr

Date of Feedback: 30.01.2020

Course Name: 3D-Printing

1. How do you value the course content?

The value is good

2. How would you understand the content delivery by the instructor?

It was excellent manner

3. Write the overall quality of the program

Excellent

4. Will you recommend this program to your friends/juniors/seniors?

Done, yes.

Suggestions to improve, if any: N/A

D. Sri

Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: Jagadeesh. G
Year: III yr
Course Name: 3D - Printing

Register No: 411517114063
Date of Feedback: 30.01.2020

1. How do you value the course content?

good, it was helpful

2. How would you understand the content delivery by the instructor?

clearly understand

3. Write the overall quality of the program

Very good

4. Will you recommend this program to your friends/juniors/seniors?

Yes,

Suggestions to improve, if any: good



Signature of the Student

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Organizes

Workshop

"3D - PRINTING"

CERTIFICATE

OF PARTICIPATION

This is to certify that Mr / Ms. PRAKASH.C

of IV Year, Mechanical Engineering, PERI Institute of Technology has completed an

Workshop in **3D - PRINTING** held from 07/01/2020 to 30/01/2020.



PRINCIPAL



VICE PRINCIPAL



HOD



COORDINATOR

PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Organizes

Workshop

"3D - PRINTING"

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms. SRINIVASAN. D
of IV Year, Mechanical Engineering, PERI Institute of Technology has completed an
Workshop in **3D - PRINTING** held from 07/01/2020 to 30/01/2020.



PRINCIPAL



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HOD



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PERI

INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Organizes

Workshop

"3D - PRINTING"

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms. JAGADESH - G
of II Year, Mechanical Engineering, PERI Institute of Technology has completed an
Workshop in **3D - PRINTING** held from 07/01/2020 to 30/01/2020.



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Mannivakkam, Chennai 600048

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-2020

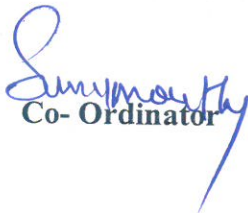
Ref: PERI IT /MECH /Workshop/2019-2020/02

Date: 06.12.2019

CIRCULAR

The Mechanical Engineering Department of PERI IT has planned to conduct Workshop titled “**AUTO CAD**” for the Academic year of 2019 – 2020 for II year Mechanical students.

Sl. No.	Year	Scheduled Date	Session 1	Session 2
1	II	07.01.2020 – 30.01.2020	8.30 AM to 11.45AM	12.30PM to 3.30PM


Co-Ordinator


Head of the Department

Head of the Department
Dept. of Mechanical Engg.
PERI INSTITUTE OF TECH.
Mannivakkam, Ch-600 048.

Copy To:

1. Principal
2. Vice – Principal
3. IQAC
4. Faculty Members
5. Notice Board

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-2020

Minutes of the Meeting

Course Code and Name: MEW006 AUTO CAD

Venue: HOD Room, Beta Block, PERI IT

Date: 13/12/2019 Time: 2.00 PM -3.00PM

Agenda of the meeting:

1. Syllabus preparation
2. Tentative Time Table
3. Assessment method

Members present:

1. Mr. Anil Kumar, HOD/Mech
2. Dr. R. M. Sathyamoorthy, Assistant Professor / Mech
3. Mr. Sundarapandiyan, Assistant Professor / Mech
4. Mr. Dhilip Kumar, Assistant Professor / Mech

Dr. R. M. Sathyamoorthy, Coordinator welcomed and briefed the committee members about the agenda.

Agenda Item 1: Syllabus preparation for Solid works

The syllabus is framed accordingly in order to meet the objectives of the course, various Universities, IITs, NITs syllabus has been taken into consideration for syllabus preparation.

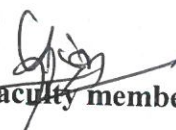
Agenda Item 2: Tentative Time Table

The timetable is prepared as per the university requirement and communicated to the subject expert.


Agenda Item 3: Assessment method

Assessment exam will be conducted at the end of the course.


Coordinator


Senior faculty member


HOD/MECH
Head of the Department
Dept. of Mechanical Engg.
PERI INSTITUTE OF TECH
Mannivakkam, Ch. 600 048.


PRINCIPAL
Dr. R. PALSUN KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

PERI INSTITUTE OF TECHNOLOGY

Mannivakkam, Chennai 600048

DEPARTMENT OF MECHANICAL ENGINEERING

SHORT DESCRIPTION

Course Code: MEW006

Course Name: AUTO CAD

AutoCAD is a premier computer-aided design (CAD) software developed by Autodesk, widely recognized for its powerful drafting and design capabilities. It is extensively utilized by professionals across various fields, including architecture, engineering, construction, and manufacturing, to create precise 2D and 3D designs and drawings.

COURSE OBJECTIVES

AutoCAD, a leading CAD software developed by Autodesk, is used to achieve several critical objectives in various industries, particularly in design, engineering, and architecture. Understanding 3D Printing Technology

- Understand the AutoCAD interface and navigation.
- Create and modify basic 2D drawings.
- Apply layers, dimensions, and annotations to drawings.
- Develop skills in 3D modeling and visualization.
- Customize AutoCAD settings and automate tasks.
- Collaborate and share AutoCAD projects effectively.


Coordinator


HOD/MECH

Head of the Department
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DEPARTMENT OF MECHANICAL ENGINEERING

MEW006 – AUTO CAD

Syllabus

Session 1: Introduction to AutoCAD

- Introduction to the workshop objectives and schedule. Overview of AutoCAD's capabilities and applications. Installing and setting up AutoCAD. Understanding the user interface and workspace.

Session 2: Basic 2D Drawing Tools

- Drawing lines, circles, rectangles, and other shapes. Using coordinate systems and drawing aids. Modifying objects with commands like Move, Copy, Rotate, and Scale. Using the Undo and Redo functions effectively.

Session 3: Advanced 2D Drawing Techniques, Dimensioning and Annotations

- Creating and managing layers. Setting layer properties and using layer tools. Grouping objects and using blocks. Creating and managing templates. Applying dimensions and text annotations. Using multileaders and tables. Applying hatch patterns and gradients to drawings.

Session 4: Introduction to 3D Modeling and Modifying 3D Objects

- Understanding 3D coordinate systems. Navigating the 3D workspace. Drawing basic 3D shapes (boxes, cylinders, spheres). Extruding and revolving 2D profiles to create 3D models. Using commands like Presspull, Fillet, and Chamfer in 3D. Editing 3D solids and surfaces. Applying materials and lighting. Creating and editing camera views.

Session 5: Advanced 3D Modeling and Customization

- Creating complex shapes using lofts and sweeps. Working with meshes and surfaces. Rendering 3D models to create realistic images. Exploring visualization and presentation techniques. Customizing the AutoCAD interface. Creating custom tool palettes and menus.


Coordinator


HOD/MECH

Head of the Department
Dept. of Mechanical Engg.
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PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE

Course Code: MEW006

Year/Semester: II / IV

Course Name: AUTO CAD

Session: FN & AN

Sl. No	DATE	HOURS	TOPICS
1	07.01.2020	1-6 th hour	Introduction to the workshop objectives and schedule. Overview of AutoCAD's capabilities and applications. Installing and setting up AutoCAD. Understanding the user interface and workspace
2	08.01.2020	1-6 th hour	Drawing lines, circles, rectangles, and other shapes. Using coordinate systems and drawing aids. Modifying objects with commands like Move, Copy, Rotate, and Scale. Using the Undo and Redo functions effectively.
3	24.01.2020	1-6 th hour	Creating and managing layers. Setting layer properties and using layer tools. Grouping objects and using blocks. Creating and managing templates. Applying dimensions and text annotations. Using multileaders and tables. Applying hatch patterns and gradients to drawings.
4	24.01.2020	1-6 th hour	Understanding 3D coordinate systems. Navigating the 3D workspace. Drawing basic 3D shapes (boxes, cylinders, spheres). Extruding and revolving 2D profiles to create 3D models. Using commands like Presspull, Fillet, and Chamfer in 3D. Editing 3D solids and surfaces. Applying materials and lighting. Creating and editing camera views.
5	30.01.2020	1-6 th hour	Creating complex shapes using lofts and sweeps. Working with meshes and surfaces. Rendering 3D models to create realistic images. Exploring visualization and presentation techniques. Customizing the AutoCAD interface. Creating custom tool palettes and menus.


Coordinator


HOD/MECH

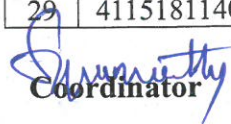
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai 600048
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Participants Name List
Course Name – AUTO CAD

Course Code: MEW006

Year/Semester: II / IV

Sl. No	Registration Number	Student Name	Sl. No	Registration Number	Student Name
1	411518114001	AJAY N	30	411518114031	MANIGANDAN A
2	411518114002	AJITH KUMAR S	31	411518114032	MANIKANDAN P
3	411518114003	ALLWIN RAJ SUDHAN A	32	411518114033	MATHIBHAVAN D
4	411518114004	AMARNATH S	33	411518114034	MITHUN A
5	411518114005	ARAVINTH R	34	411518114035	MUTHU PRAKASH V
6	411518114006	ARUN S G	35	411518114037	NAVEEN R
7	411518114007	AVINASH R	36	411518114039	PONNAPALLI SAISUMANTH
8	411518114008	BALAJI K	37	411518114040	PRAVEEN KUMAR B
9	411518114009	BHUVAN RAJ P	38	411518114041	RAGURAJ B
10	411518114010	CHANDRASEKAR G	39	411518114042	RAHUL V
11	411518114011	CHANDRU A	40	411518114043	RAJASRINIVASAN K
12	411518114012	DEVENDARAKUMARAN	41	411518114044	RAJESHKUMAR M
13	411518114013	DILLIBABU E P	42	411518114045	RAMACHANDRAN M
14	411518114014	DIVYA S	43	411518114046	REVANTH KUMAR S
15	411518114015	GANGULY R	44	411518114047	ROHIT RAGAV S S
16	411518114016	GOKUL S	45	411518114048	SAI SHYAM S
17	411518114017	GOWTHAM T	46	411518114051	SOUNDER S
18	411518114018	HARISH R	47	411518114052	SUDARMANI V
19	411518114019	HARISUDHAN S	48	411518114053	SUGAN R
20	411518114020	HEMANTH KUMAR R	49	411518114054	SURENDRAN P S
21	411518114021	JAINULABDEEN J	50	411518114055	SURYA L
22	411518114022	JAWAHAR S	51	411518114056	SURYA M
23	411518114024	KAARTHI R A	52	411518114057	VEERAMANI J
24	411518114025	KADURU VINOD KUMAR	53	411518114058	VIGNESH K
25	411518114026	KARTHICK K	54	411518114059	VIGNESHWARAN V
26	411518114027	KARTHIKEYAN M	55	411518114301	DINESH S
27	411518114028	KUMARESAN P	56	411518114302	RAVIKUMAR S
28	411518114029	LAKSHMANA PRABU K	57	411518114303	SUNI KAMALESH K
29	411518114030	MAADESHWARAN A			


Coordinator


HOD MECH

Head of the Department
 Dept. of Mechanical Engg.
 PERI INSTITUTE OF TECH.
 Mannivakkam, Ch-600 048.

PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai 600048
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Attendance Sheet

Course Name: AUTO CAD

Course Code: MEW006

Year/Semester: II / IV

Sl. No	Registration Number	Student Name	07.01.20	08.01.20	24.01.20	25.01.20	30.01.20
1	411518114001	AJAY N	Ajay. N	Ajay. N	Ajay. N	Ajay. N	Ajay. N
2	411518114002	AJITH KUMAR S	Ajithkumar. S	Ajithkumar. S	Ajithkumar. S	Ajithkumar. S	Ajithkumar. S
3	411518114003	ALLWIN RAJ SUDHAN A	AllwinRaj. S	AllwinRaj. S	AllwinRaj. S	AllwinRaj. S	AllwinRaj. S
4	411518114004	AMARNATH S	Amarnath	Amarnath	Amarnath	Amarnath	Amarnath
5	411518114005	ARAVINTH R	Aravinth	Aravinth	Aravinth	Aravinth	Aravinth
6	411518114006	ARUN S G	Arun. S. G	Arun. S. G	Arun. S. G	Arun. S. G	Arun. S. G
7	411518114007	AVINASH R	R. Avinash	R. Avinash	R. Avinash	R. Avinash	R. Avinash
8	411518114008	BALAJI K	Balaji. K	Balaji. K	Balaji. K	Balaji. K	Balaji. K
9	411518114009	BHUVAN RAJ P	Bhuvanraj. P	Bhuvanraj. P	Bhuvanraj. P	Bhuvanraj. P	Bhuvanraj. P
10	411518114010	CHANDRASEKAR G	Chandrasekar. G	Chandrasekar. G	Chandrasekar. G	Chandrasekar. G	Chandrasekar. G
11	411518114011	CHANDRU A	Chandru. A	Chandru. A	Chandru. A	Chandru. A	Chandru. A
12	411518114012	DEVENDARAKUMARA N	Devendhar. N	Devendhar. N	Devendhar. N	Devendhar. N	Devendhar. N
13	411518114013	DILLIBABU E P	P. Dillibabu	P. Dillibabu	P. Dillibabu	P. Dillibabu	P. Dillibabu
14	411518114014	DIVYA S	S. Divya	S. Divya	S. Divya	S. Divya	S. Divya
15	411518114015	GANGULY R	R. Ganu	R. Ganu	R. Ganu	R. Ganu	R. Ganu
16	411518114016	GOKUL S	S. Gokul	S. Gokul	S. Gokul	S. Gokul	S. Gokul
17	411518114017	GOWTHAM T	T. Gowtham	T. Gowtham	T. Gowtham	T. Gowtham	T. Gowtham
18	411518114018	HARISH R	R. Harish	R. Harish	R. Harish	R. Harish	R. Harish
19	411518114019	HARISUDHAN S	S. Harisudhan	S. Harisudhan	S. Harisudhan	S. Harisudhan	S. Harisudhan
20	411518114020	HEMANTH KUMAR R	R. Hemant	R. Hemant	R. Hemant	R. Hemant	R. Hemant
21	411518114021	JAINULABDEEN J	Jainul	Jainul	Jainul	Jainul	Jainul
22	411518114022	JAWAHAR S	S. Jawahar	S. Jawahar	S. Jawahar	S. Jawahar	S. Jawahar
23	411518114024	KAARTHI R A	R. Kaarthi	R. Kaarthi	R. Kaarthi	R. Kaarthi	R. Kaarthi
24	411518114025	KADURU VINOD KUMAR	K. Vinod	K. Vinod	K. Vinod	K. Vinod	K. Vinod
25	411518114026	KARTHICK K	K. Karthick	K. Karthick	K. Karthick	K. Karthick	K. Karthick
26	411518114027	KARTHIKEYAN M	M. Karthikeyan	M. Karthikeyan	M. Karthikeyan	M. Karthikeyan	M. Karthikeyan
27	411518114028	KUMARESAN P	P. Kumaresan	P. Kumaresan	P. Kumaresan	P. Kumaresan	P. Kumaresan
28	411518114029	LAKSHMANA PRABU K	K. Lakshmana	K. Lakshmana	K. Lakshmana	K. Lakshmana	K. Lakshmana

29	411518114030	MAADESHWARAN A	Maade A	Maade A	Maade	Maade A	Maade A
30	411518114031	MANIGANDAN A	A Manigand	A Manigand	A Manigand	A Manigand	A Manigand
31	411518114032	MANIKANDAN P	Manika P	Manika P	Manika P	Manika P	Manika P
32	411518114033	MATHIBHAVAN D	D Mathibhav	D Mathibhav	D Mathibhav	D Mathibhav	D Mathibhav
33	411518114034	MITHUN A	Mithun	Mithun	Mithun	Mithun	Mithun
34	411518114035	MUTHU PRAKASH V	V Muthu Prakash	V Muthu Prakash	V Muthu Prakash	V Muthu Prakash	V Muthu Prakash
35	411518114037	NAVEEN R	Naveen R	Naveen R	Naveen R	Naveen R	Naveen R
36	411518114039	PONNAPALLI SAISUMANTH	Ponnappalli Saisumant	Ponnappalli Saisumant	Ponnappalli Saisumant	Ponnappalli Saisumant	Ponnappalli Saisumant
37	411518114040	PRAVEEN KUMAR B	B Praveen Kumar	B Praveen Kumar	B Praveen Kumar	B Praveen Kumar	B Praveen Kumar
38	411518114041	RAGURAJ B	B Raguraj	B Raguraj	B Raguraj	B Raguraj	B Raguraj
39	411518114042	RAHUL V	Rahul V	Rahul V	Rahul V	Rahul V	Rahul V
40	411518114043	RAJASRINIVASAN K	K Raja	K Raja	K Raja	K Raja	K Raja
41	411518114044	RAJESHKUMAR M	M Rajesh Kumar	M Rajesh Kumar	M Rajesh Kumar	M Rajesh Kumar	M Rajesh Kumar
42	411518114045	RAMACHANDRAN M	M Ramachandran	M Ramachandran	M Ramachandran	M Ramachandran	M Ramachandran
43	411518114046	REVANTH KUMAR S	S Revanth Kumar	S Revanth Kumar	S Revanth Kumar	S Revanth Kumar	S Revanth Kumar
44	411518114047	ROHIT RAGAV S S	S Rohit Ragav	S Rohit Ragav	S Rohit Ragav	S Rohit Ragav	S Rohit Ragav
45	411518114048	SAI SHYAM S	S Sai Shyam	S Sai Shyam	S Sai Shyam	S Sai Shyam	S Sai Shyam
46	411518114051	SOUNDER S	S Sounder	S Sounder	S Sounder	S Sounder	S Sounder
47	411518114052	SUDARMANI V	V Sudamani	V Sudamani	V Sudamani	V Sudamani	V Sudamani
48	411518114053	SUGAN R	R Sugan	R Sugan	R Sugan	R Sugan	R Sugan
49	411518114054	SURENDRAN P S	S Surendran P S	S Surendran P S	S Surendran P S	S Surendran P S	S Surendran P S
50	411518114055	SURYA L	L Surya	L Surya	L Surya	L Surya	L Surya
51	411518114056	SURYA M	M Surya	M Surya	M Surya	M Surya	M Surya
52	411518114057	VEERAMANI J	J Veeramani	J Veeramani	J Veeramani	J Veeramani	J Veeramani
53	411518114058	VIGNESH K	K Vignesh	K Vignesh	K Vignesh	K Vignesh	K Vignesh
54	411518114059	VIGNESHWARAN V	V Vigneshwaran	V Vigneshwaran	V Vigneshwaran	V Vigneshwaran	V Vigneshwaran
55	411518114301	DINESH S	S Dinesh	S Dinesh	S Dinesh	S Dinesh	S Dinesh
56	411518114302	RAVIKUMAR S	S Ravi Kumar	S Ravi Kumar	S Ravi Kumar	S Ravi Kumar	S Ravi Kumar
57	411518114303	SUNI KAMALESH K	K Suni Kamalesh	K Suni Kamalesh	K Suni Kamalesh	K Suni Kamalesh	K Suni Kamalesh

Symmetry
Coordinator

Handwritten signature in green ink

Dr. R. PALSON KENNEDY, M.E., Ph.D.
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048

Handwritten signature in black ink
HOD/MECH

Head of the Department
Dept. of Mechanical Engg.
PERI INSTITUTE OF TECH.
Mannivakkam, Ch-600 048.

NAME: BALAJI - K

REG: 411518114008

DATE: 30.01.20

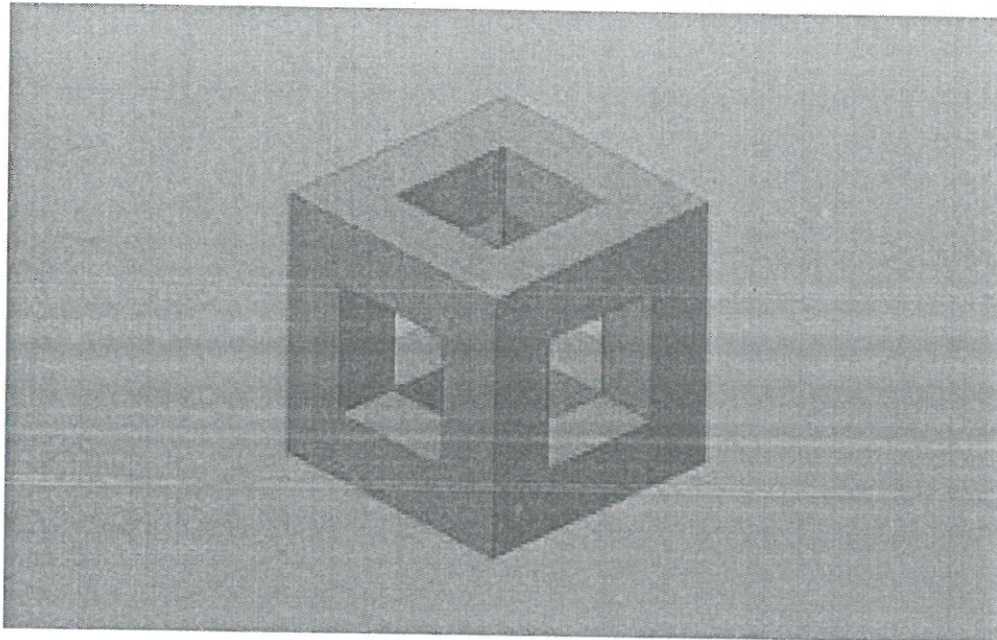
YRSE: 11/14

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-2020

Assessment Test

Course code and Name: MEW006 AUTO CAD



65
100
Suryamathy

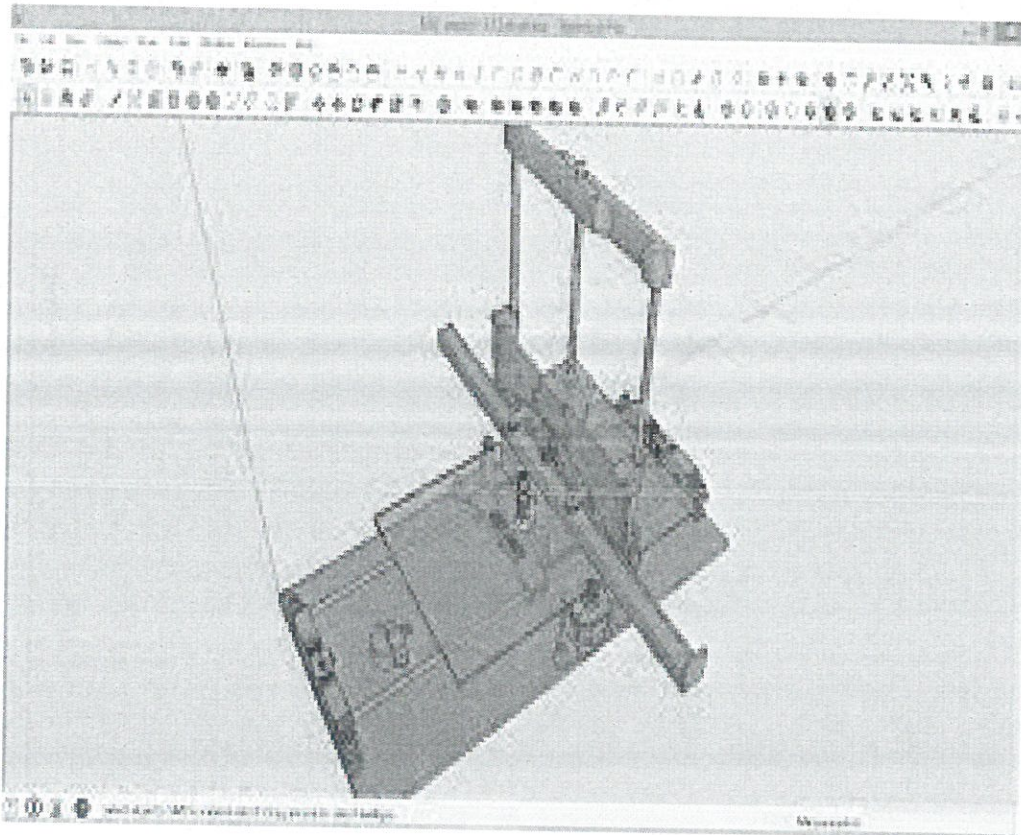
PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-2020

Amar ~~reddy~~

411518114004

Assessment Test

Course code and Name: MEW006 AUTO CAD



84
100

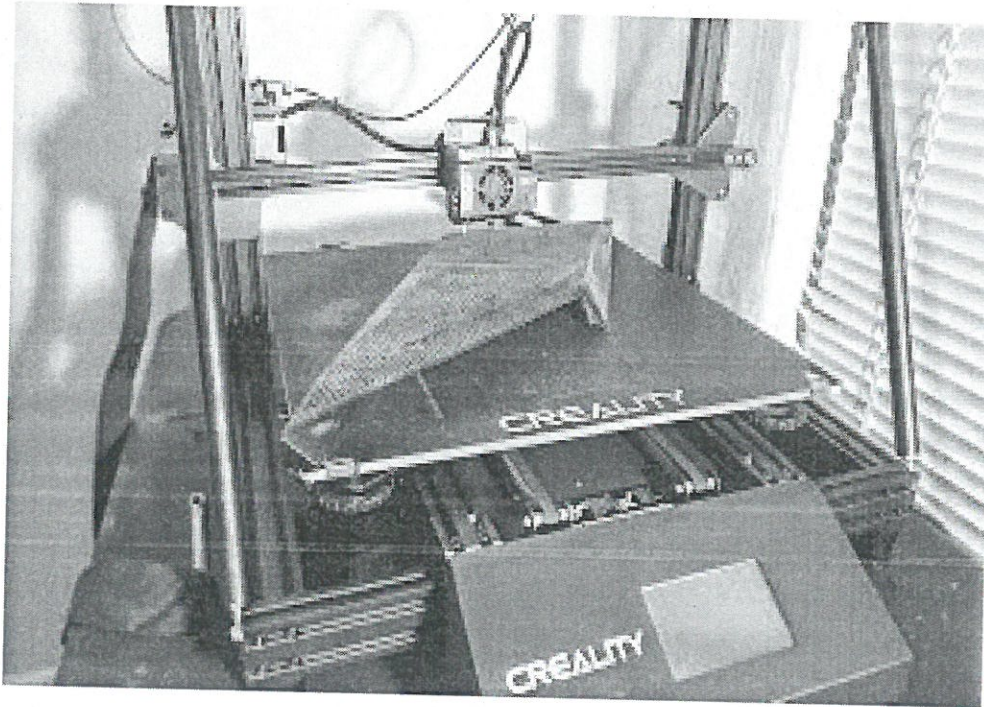
Sujanya

PERI INSTITUTE OF TECHNOLOGY
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ACADEMIC YEAR 2019-2020

Shrikamesh:K
411518114303

Assessment Test

Course code and Name: MEW006 AUTO CAD



76
100
Symmetry

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DEPARTMENT OF MECHANICAL ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: *Adarsh .K*

Register No: *411518114008*

Year: *11/16*

Date of Feedback: *30.01.2020*

Course Name: *AUTO CAD*

1. How do you value the course content?

I was good and very content

2. How would you understand the content delivery by the instructor?

It was understand is very good by the instructor

3. Write the overall quality of the program

The overall quality of the program good

4. Will you recommend this program to your friends/juniors/seniors?

Friends

Suggestions to improve, if any: *not applicable.*

Adarsh .K

Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: *AMARNATHS*

Register No: *411519114004*

Year: *II*

Date of Feedback: *30.01.20*

Course Name: *AUTO CAD*

1. How do you value the course content?

It was good and helpful

2. How would you understand the content delivery by the instructor?

They teach as well

3. Write the overall quality of the program

It was good

4. Will you recommend this program to your friends/juniors/seniors?

Juniors

Suggestions to improve, if any: *nil*

Amarnaths
Signature of the Student

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
FEEDBACK FORM

ACADEMIC YEAR 2019-2020

Name of the Student: *SUNIKRAMESHK*

Register No: *411518114303*

Year: *II*

Date of Feedback: *30.01.2024*

Course Name: *AUTO CAD*

1. How do you value the course content?

It is 100% value

2. How would you understand the content delivery by the instructor?

They were very easy way

3. Write the overall quality of the program

It was very good

4. Will you recommend this program to your friends/juniors/seniors?

Juniors

Suggestions to improve, if any: *nil*

Sun.K
Signature of the Student

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DEPARTMENT OF MECHANICAL ENGINEERING

Organizes

Workshop
"AUTO CAD"

CERTIFICATE
OF PARTICIPATION

This is to certify that Mr / Ms. BALAJI . K

of II Year, Mechanical Engineering, PERI Institute of Technology has completed an

Workshop in **AUTO CAD** held from 07/01/2020 to 30/01/2020.



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OF PARTICIPATION

This is to certify that Mr / Ms. AMARNATH. S

of II Year, Mechanical Engineering, PERI Institute of Technology has completed an

Workshop in **AUTO CAD** held from 07/01/2020 to 30/01/2020.



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