

PRATHYUSHA ENGINEERING COLLEGE
REQUEST FOR APPROVAL FOR CONDUCT OF ADD-ON/ CERTIFICATE COURSES

Date: 08.6.2017

From

The Head of the Department,
Department of Mechanical Engineering,
Prathyusha Engineering Colleg Thiruvallur – 602025

To

The Principal
Prathyusha Engineering College,
Thiruvallur – 602025

Respected Sir,

Sub: Request for conduct of Add-on /Certificate Courses- Reg

With reference to the suggestions provided by the Academic Council and the Academic Advisory Committee, it is proposed to conduct the following add-on/certificate courses for the academic year 2017-2018.

S.No.	Type of the course	Name of the Add on Course	Beneficiaries	Semester to be conducted	Venue of conduct	Duration (Hrs)
1	Add-on Course	Catia Modeling	IV Year	Odd & Even Semester	MoU Block	60
2.	Certificate Programme	PRO-E & ANSYS	III Year	Even Semester	CIVIL MECH BLOCK	45
3.	Certificate Programme	CNC TRAINING IN MTAB MACHINE	III Year	Even Semester	MT-2 LAB	45

The following additional details are attached for your kind perusal and approval please.

1. Schedule of the program
2. List of resource persons
3. Certificate Sample
4. Sample of Brochure
5. Content of each programme

Thanking you.

Regards


Head of the Department

Approved/Not Approved


PRINCIPAL

PRATHYUSHA ENGINEERING COLLEGE- TIRUVALLORE
DEPARTMENT OF MECHANICAL ENGINEERING

NAME OF THE CLUB: CATIA V5
FACULTY INCHARGES: Mr.K.SIVARAMA KRISHNAN /Mr.R.RAGAVENDIRAN.
PROGRAMME SCHEDULE (LESSON PLAN)

YEAR: IV
SEM: VII (ODD)
ACADEMIC YEAR: 2017-18

S.No:	DATE	TOPICS	MODE OF DELIVERY	REMARKS
1	15.6.'17	Introduction to Catia setting,security context,PLM	TUTORIAL	sketcher
2	16.6.17	Introduction to sketcher,design intent,tool bars	TUTORIAL	
3	19.6.17	Geometry creation,analysis,constraints,dimensioning	TUTORIAL	
4	20.6.17	Introductio to part modeling,parents child relation	TUTORIAL	solid modeling
5	21.6.17	Solid creation tools,features based design	TUTORIAL	
6	22.6.17	Dress up & datum features ,Pattern ,multi pad,boolian	TUTORIAL	
7	20.6.17	Revison & Practice session	TUTORIAL	
8	23.6.17	Duplication features(mirror,rotation,translation)	TUTORIAL	
9	26.6.17	Editing features, resolving errors,creating materials	TUTORIAL	
10	27.6.17	Apply materials to solid model,surface based features	TUTORIAL	
11	28.6.17	Revison & Practice session on sketcher&Part modeling	TUTORIAL	
12	29.6.17	Introduction to generative shape design, wire frame	TUTORIAL	Surface design
13	30.6.17	Surface craetion by extrude,revolve,sphere	TUTORIAL	
14	3.7.'17	Transfromation features,reference elements,	TUTORIAL	
15	4.7.17	surface creations surface operations by sweep, extractions	TUTORIAL	
16	5.7.17	offset surface,fill,multi section ,blending of surface.	TUTORIAL	
17	6.7.17	Apply materials to surface model,surface based features	TUTORIAL	
18	7.7.17	Recalling & rivision practice on surface modeling tools.	TUTORIAL	
19	10.7.17	Sheet metal design parameters,walls,wall on edge	TUTORIAL	sheet metal
20	11.7.17	Extrusion over lapping, bend & unbend operations	TUTORIAL	
21	12.7.17	Punch & die creations	TUTORIAL	
22	13.7.17	Flange,hemming, tear drop operations on sheet	TUTORIAL	
23	14.7.17	Cut, hole pattern operations on sheet metals	TUTORIAL	
24	17.7.17	Introduction to assembly concept top down, bottom up	TUTORIAL	Assembly
25	18.7.17	Importing components to assembly window,exploding	TUTORIAL	
26	19.7.17	Assembly constarints with various degrees of freedom	TUTORIAL	
27	20.7.17	Replace components,manipulation,bom,rendering of assembly	TUTORIAL	
28	21.7.17	Introduction to drafting tools,types of drafting	TUTORIAL	Drafting
29	24.7.17	Positioning of views,projection ,sections,clipping,details	TUTORIAL	
30	25.7.17	Drawing sheets sizes,dimensioning,annotations,tolerance	TUTORIAL	
31	26.7.'17	BOM generation,balloons,back ground	TUTORIAL	
32	27.7.'17	REcalling & revision practice on assembly & drafting	TUTORIAL	

PRATHYUSHA ENGINEERING COLLEGE THIRUVALLUR
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR (2017-2018)

The Lesson plan for PRO-E and ANSYS Add on courses mentioned as below as table

S.No:	DATE	TOPICS	MODE OF DELIVERY
1	12-10-2017	Introduction to About the Pro/Engineer Wildfire 2.0	TUTORIAL
2	12-12-2017	What is Pro/ENGINEER®?	TUTORIAL
3	18.12.2017	INDUSTRY EXPERT INTRACTION	PPT
4	01-05-2018	DESIGN CONTEST PRO E DOMAIN	PPT
5	01-08-2018	Conventions Used in this Tutorial	TUTORIAL
6	01-10-2018	Introduction to Pro/E WILDFIRE	TUTORIAL
7	01-11-2018	General Steps of the Finite Element Method	TUTORIAL
8	01-12-2018	Starting Pro/E	TUTORIAL
9	15/1/2018	Complete the Housing top	TUTORIAL
10	18/1/2018	Creating a 2-D Engineering Drawing	TUTORIAL
11	23/1/2018	Limitations of FEA	TUTORIAL
12	30/1/2018	Add dimensions	TUTORIAL
13	02-05-2018	Creating the Disk-Brake Assembly	TUTORIAL
14	02-07-2018	Six Common Assembly Constraints	TUTORIAL
15	02-08-2018	Add Color and Create an Exploded View	TUTORIAL
16	13/2/2018	Create a Cutout View	TUTORIAL
17	15/2/2018	Animation in Pro/ENGINEER Wildfire 2.0	TUTORIAL
18	16/2/2018	DESIGN CONTEST PRO E DOMAIN	PPT
19	20/2/2018	Background	TUTORIAL
20	22/2/2018	Creating Assembly	TUTORIAL
21	23/2/2018	Creating the Motion Sequence	TUTORIAL
22	26/2/2018	Prepare the Model	TUTORIAL
23	28/2/2018	Start Pro/MECHANIC	TUTORIAL
24	03-06-2018	Variable Sweep Creation of Free Form Surface	TUTORIAL
25	03-07-2018	More Complex Surface and Part Mode	TUTORIAL
26	03-09-2018	Design parameter sensitivity study	TUTORIAL
27	03-12-2018	Automated Generation of CNC Tool Paths Using Pro/Manufacturing	TUTORIAL
28	16/3/2018	application of solid modeling	TUTORIAL
29	19/3/2018	Modifying Sheetmetal Models	TUTORIAL
30	24/3/2018	Adding Model Details and Tolerance	TUTORIAL
31	26/3/2018	Structure and Skeletons	TUTORIAL
32	27/3/2018	Prepare the Model	TUTORIAL
33	31/3/2018	Measuring, Inspecting Models	TUTORIAL

PRATHYUSHA ENGINEERING COLLEGE THIRUVALLUR**DEPARTMENT OF MECHANICAL ENGINEERING****ACADEMIC YEAR (2017-2018)**

The Lesson plan for CNC Training Add on courses mentioned as below as table

S.No.	DATE	TOPICS	MODE OF DELIVERY
1	14/12/2017	Demo of parts of CNC machine -control switches	Practice with machine
2	18/12/2017	Demonstration of CNC lathe and milling parts	Practice with machine
3	21/12/2017	Demo of parts of CNC machining center	Practice with machine
4	27/12/2017	Work setting on machine	Practice with machine
5	01/03/2018	Safety: - its importance	Practice with machine
6	01/06/2018	G & M Codes, Machine Axes	Practice with machine
7	01/10/2018	Tools & Equipment for Basic Training	Practice with machine
8	17/01/2018	Tools & Equipment for Basic Training	Practice with machine
9	18/01/2018	Absolute & incremental system	Practice with machine
10	23/01/2018	CNC turning center operation in various modes	Practice with machine
11	25/01/2018	Machining parts on CNC lathe with parallel, taper, step, radius turning, grooving and threading of different pitches	Practice with machine
12	29/01/2018	To perform Change offsets	Practice with machine
13	02/07/2018	Verify accuracy of machined workplace.	Practice with machine
14	02/12/2018	Adjust speeds and feeds for optimum performanc	Practice with machine
15	14/02/2018	Identify and correct program errors	Practice with machine
16	19/02/2018	Perform tool axis operations (drilling, boring, reaming	Practice with machine
17	21/02/2018	Perform turning operations	Practice with machine
18	22/02/2018	Perform forming operations	Practice with machine



PRATHYUSHA ENGINEERING COLLEGE

ESTD. 2001

CERTIFICATE OF PARTICIPATION

This is to Certify that

of _____

has successfully completed the course on " Catia Modeling"
conducted by Department of Mechanical Engineering of
Prathyusha Engineering College in academic year 2017-2018

Mr. Ragavendran

CO-ORDINATOR

Mr. Ragavendran

Dr. Jayaraman

HOD

Dr. JAYARAMAN

Dr. P.L.N. Ramesh

PRINCIPAL

DR. P. L. N. RAMESH



ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE

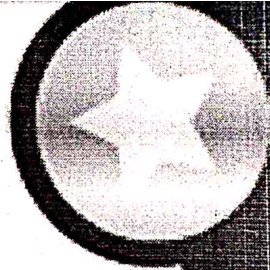
CERTIFICATE OF PARTICIPATION

This is to Certify that _____
of _____

has successfully completed the course on "" Ansys & Pro-E""
conducted by Department of Mechanical Engineering of
Prathyusha Engineering College in the academic year
2017-2018

D. M. Jayaraman
CO-ORDINATOR
Mr. D. MEGANATHAN

P. L. N. Ramesh
PRINCIPAL
Dr. P. L. N. RAMESH






PRAATHYUSHA ENGINEERING COLLEGE

CERTIFICATE OF PARTICIPATION


This is to Certify that

_____ of _____

has successfully completed the course on "CNC PROGRAMMING" conducted by Department of Mechanical Engineering of Prathyusha Engineering College in the academic year 2017-2018


CO-ORDINATOR
MR.N.RAMASWAMY


HOD
DR.P.JAYARAMAN


PRINCIPAL
DR.P.L.N.RAMESH

PRATHYUSHA

ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR (2017-2018)



Presents

Course on the Title



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

“CATIA MODELING”

30 Hours Course

In association with

Eligibility:

1. IV Year MECHANICAL Students
2. Basic Engineering Graphics

Course Contents:

Efficiency in the quality of design - Increase in the Engineer's productivity - Improve record keeping through better documentation and communication - Certificate of completion – Professional in Product Design – Automotive Component Design - Award of recognition – Best performer- Variety of Domains based jobs.

Outcome:

- Enhancing Skillset Certification
- Placement in MECHANICAL & DESIGN Sectors, Projects and Internships

Programme Coordinator:

Mr. Ragavendran, Assistant Professor

Dr. Jayaraman, Professor

Email-id: ragavendran.mech@prathyusha.edu.in

Phone number: 99430 60434

PRATHYUSHA

ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR (2017-2018)



Presents

Course on the Title



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

“PRO-E&ANSYS MODELING”

30 Hours Course

Eligibility:

1. III Year MECHANICAL Students
2. Basic Engineering Graphics

Course Contents:

Efficiency in the quality of design - Increase in the Engineer's productivity - Improve record keeping through better documentation and communication - Certificate of completion - Professional in Product Design - Automotive Component Design - Award of recognition - Best performer- Variety of Domains based jobs.

Outcome:

- Enhancing Skillset Certification
- Placement in MECHANICAL & DESIGN Sectors, Projects and Internships

Programme Coordinator:

Mr. Ragavendran, Assistant Professor

Email-id: ragavendran.mech@prathyusha.edu.in

Phone number: 99430 60434

HOD

Dr. Jayaraman, Professor

PRATHYUSHA

ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR (2017-2018)



Presents

Course on the Title



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

“CNC TRAINING”

30 Hours Course

Eligibility:

1. III Year MECHANICAL Students
2. Basic Engineering Graphics

Course Contents:

Efficiency in the quality of design - Increase in the Engineer's productivity - Improve record keeping through better documentation and communication - Certificate of completion – Professional in Product Design – Automotive Component Design - Award of recognition – Best performer- Variety of Domains based jobs.

Outcome:

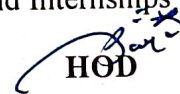
- Enhancing Skillset Certification
- Placement in MECHANICAL & DESIGN Sectors, Projects and Internships

Programme Coordinator:

Mr. Ragavendran, Assistant Professor

Email-id: ragavendran.mech@prathyusha.edu.in

Phone number: 99430 60434


HOD

Dr. Jayaraman, Professor

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF MECH

CATIA MODELING CLUB

CIRCULAR

DATE: 14.6.2017

The Department of Mechanical Engineering has scheduled the Certificate Course titled "Catia Modeling" for the benefit of III/IV years of students. The lists of interested students are informed to enroll themselves on or before 18.6.2017 for the programme to the Programme Coordinator as per the following schedule.

S.No.	Name of the Program	Programme Coordinator	Duration	Venue
1	CATIA MODELING	Mr.R.Ragavendiran	60	MoU Block
2	PRO-E & ANSYS	Mr.D.Meganathan	45	CIVIL MECH BLOCK
3	CNC TRAINING IN MTAB MACHINE	Mr.N.Ramaswamy	45	MT-2 LAB

****The schedule of the programme along with the list of interested students is attached for ready reference.*


HEAD OF THE DEPARTMENT


Copy To:

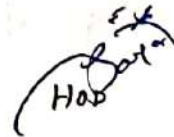
1. All Department faculty
2. Programme coordinators
3. Laboratory In Charges
4. To be read in All classrooms
5. Department Notice Board

**PRATHYUSHA ENGINEERING COLLEGE- TIRUVALLUR
DEPARTMENT OF MECHANICAL ENGINEERING
IV YEAR CNC TRAINING PROGRAM NAME LIST- 2017-18**

CNC TRAINING - ENROLLMENT OF STUDENTS

S.NO	REG.NO	NAME OF THE STUDENTS	SIGNATURE
1	111415114004	ABISHEK PANDEY.P	Abishek Pandey P.
2	111415114005	AJITH KUMAR.V	Ajith Kumar V.
3	111415114006	AKASH.M	Akash M.
4	111415114007	AKASH.M.J	Akash M.J.
5	111415114008	AMRITH.G	Amrith G.
6	111415114009	ANBARASAN.P	Anbarasan P.
7	111415114010	ARAVIND.D	Aravind D.
8	111415114011	AUSTRIAN MESAC.C	Austrian Mesac C.
9	111415114012	BALACHANDER.S	Balachander S.
10	111415114014	BHARANIS	Bharanis S.
11	111415114035	JEEVA.R	Jeeva R.
12	111415114037	KANNAN.S	Kannan S.
13	111415114038	KATTAMREDDY CHAITHANYA	K. Chaithya
14	111415114039	KAVI PRIYA.R	Kavi Priya R.
15	111415114040	LOGESH.V	Logesh V.
16	111415114042	MAGESH KUMAR .C	Magesh Kumar C.
17	111415114043	MAGESHWARAN .S.A	Mageshwaran S.A.
18	111415114044	MANIVANNA .R	Manivanna R.
19	111415114051	NARESH KUMAR .V	Narash Kumar V.
20	111415114052	NIRANJAN .S	Niranjan S.
21	111415114053	NIVESH .G.D	Nivesh G.D.
22	111415114056	PRADHIP .P	Pradhip P.


Faculty In-charge


Head of Department

PRATHYUSHA ENGINEERING COLLEGE- TIRUVALLUR
DEPARTMENT OF MECHANICAL ENGINEERING
IV YEAR CNC TRAINING PROGRAM NAME LIST- 2017-18

S.No	REG.NO	NAME OF THE STUDENTS	DATE																	
			24/12/17	18/12/17	31/12/17	27/12/17	3/1/2018	6/1/2018	10/1/2018	17/1/2018	18/1/2018	23/1/2018	25/1/2018	29/1/2018	7/2/2018	12/2/2018	14/2/2018	19/2/2018	21/2/2018	
1	111415114004	ABISHIK PANDIY P	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	
2	111415114005	AJITH KUMAR V	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	Ajith	
3	111415114006	AKASH M	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	
4	111415114007	AKASH M J	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	AKASH	
5	111415114008	AMRITH G	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	Amrith	
6	111415114009	ANBARASAN P	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	Anbu	
7	111415114010	ARAVIND D	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	Aravind	
8	111415114011	AUSTIN MESAC C	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	Austin	
9	111415114012	BALACHANDER S	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	Balan	
10	111415114014	BHARANI S	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	Bharani	
11	111415114035	JEEVAR	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	Jeevar	
12	111415114037	KANNAN S	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	Kannan	
13	111415114038	KATTAMREDDY CHAITHANYA	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	K.C	
14	111415114039	KAVI PRIYA R	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi	
15	111415114040	LOGESH V	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	Logesh	
16	111415114042	MAGESH KUMAR C	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	
17	111415114043	MAGESHWARAN S A	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	
18	111415114044	MANIVANNA R	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	Mani	
19	111415114051	NARESH KUMAR V	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	Narsh	
20	111415114052	NIRANJAN S	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	
21	111415114053	NIVESH G D	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	Nivish	
22	111415114056	PRADHIP P	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	Pradhip	

[Signature]
Faculty In charge

[Signature]
HOD