



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-5/2000-U.3)

## SCHOOL OF ARTS

Date : 01.08.2018

### CIRCULAR

**Sub: Organising Value added Course: Certificate training in Catia - reg.,**

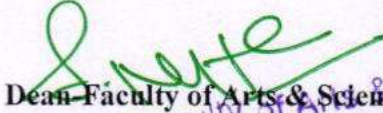
With reference to the above mentioned subject, we bring it to your notice that School of Science, Bharath Institute of Higher Education & Research is organising **Value added course "Courses on Certificate training in Catia"**. The syllabus and registration form is enclosed below.

The candidates those who are interested to join must fill the registration form and submit to the Course Coordinator Dr.S.Anandhi, Department of Physics on or before 30.08.2018. The Registration form received after the mentioned date shall not be entertained under any circumstances.

Encl: A copy of Syllabus & Registration form

Copy To:

- 1.All HODs
- 2.Office File/ Notice Board
- 3.Course Coordinator

  
Dean Faculty of Arts & Science  
Dear: Faculty of Arts & Science  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)  
Chennai-600 073. INDIA





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## SCHOOL OF ARTS

### Registration Form

### Value Added Course

Date: 26-08-18

Name : AJAY KUMAR . P

Reg.No. : U18MYC06

Gender : MALE

Department : B.G.K. Maths

Year : 2019

Contact No. : 78503 91624

Email ID : SAJAYK@gmail.com . Preethi priya dhar shiniy  
@ gmail.com.

Course Applied For : Certificate Course in Cebra

Ajaykumar  
Signature



Bharath Institute of Higher Education & Research  
School of Arts  
Students Registration List  
Value Added Course: Courses on Certificate training in Catia

S.NO	REG.NO	NAME OF THE CANDIDATE	DEPARTMENT
1	U18CA059	MUTHUKRISNAN K	BCA
2	U18CA058	SURYA S	BCA
3	U18CA057	MOHAMED NAVEEDH N	BCA
4	U18CA055	KAMAL RAJ C K	BCA
5	U18CA054	KAVIYARASAN R	BCA
6	U18MA012	RAJKUMAR R	BCA
7	U18MA010	AYENDRILA SENGUPTA	BCA
8	U18MA007	NEELES H RAJ R	BCA
9	U18MA006	AJAY KUMAR P	BCA
10	U18MA005	TAMILVENDHAN S	BCA
11	U18CA703	BOOBESH K	BCA
12	U18CA702	PRAVEEN A A	BCA
13	U18CA082	SAIRAM P	BCA
14	U18CA081	ABDUL HALIM S	BCA
15	U18CA079	SUNDAR K	BCA
16	U18CA078	SANJAY BALA S	BCA
17	U18CA074	GOWTHAMRAJ R	BCA
18	U18CA072	SHREYA SINHA	BCA
19	U18CA071	RAMADAM PRABHAKARAN R M	BCA
20	U18CA069	ARUN E	BCA
21	U18CA068	OVIYA M	PHYSICS
22	U18CA067	PRAKASH M	PHYSICS
23	U18CA065	GAYATHRI R	PHYSICS
24	U18CA064	MURUNGA PANDI M	PHYSICS
25	U18CA061	HARIKARAN T	PHYSICS
26	U18PS010	MOHAMED AZHARUDEEN M	PHYSICS
27	U18PS009	NAMBIRAJAN S	PHYSICS
28	U18PS013	PURUSHOTHAMAN R	PHYSICS
29	U18PS010	MOHAMED AZHARUDEEN M	PHYSICS
30	U18PS009	NAMBIRAJAN S	PHYSICS
31	U18PS005	SARAN R	PHYSICS
32	U18PS004	GOPIKRISHNAN C	PHYSICS
33	U18PS002	SANJAY KANTH S	PHYSICS
34	U18PS001	BALAJI S	PHYSICS
35	U18SC115	DANIEL JACOB P	CS
36	U18SC114	PRAVIN S	CS
37	U18SC113	GANESH N	CS
38	U18SC109	DAWOOD SUBER T M	CS



39	U18SC106	AJITHKUMAR A	CS
40	U18SC105	SUBRAMANI V	CS
41	U18SC104	SUJITH KUMAR S	CS
42	U18SC103	NITHYA L	CS
43	U18SC100	ARUN M	CS
44	U18SC098	DAVID RAJ I	CS
45	U18SC093	PALANISAMY M	CS
46	U18SC089	GOMATHI S	CS
47	U18SC088	MUTHUMARI M	CS
48	U18SC083	VIJAYAKUMAR P	CS
49	U18SC082	GOPINATH B	CS
50	U18SC076	SHAMEEM R	CS
51	U18SC074	KARTHIKEYAN J	CS
52	U18SC068	LINGESHWARAN A	CS
53	U18SC066	JAGADEESAN M	CS
54	U18SC064	HAVISH S	CS
55	U18SC059	DANIEL S	CS
56	U18MA014	GOWTHAM M.	MATHS
57	U18MA012	RAJKUMAR R.	MATHS
58	U18MA010	AYENDRILA SENGUPTA .	MATHS
59	U18MA007	NEELESH RAJ R.	MATHS
60	U18MA006	AJAY KUMAR P.	MATHS





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## SCHOOL OF ARTS

### Value Added Course

#### Courses on Certificate training in Catia

##### Syllabus

**Sketcher** Introduction to CATIA, History, Basics, GUI, Use of mouse buttons, Sketcher, constraints, profile, setting workbench, Standard toolbar, how to open sketcher, sketch details and important toolbar for sketch, Profile toolbar, Types of constraints, constraint application, constraint colour, Sketch constraint, view toolbar, Operation toolbar, Specification tree use, selecting toolbars, Sketch toolbar, Visualisation toolbar, Toolbar setting, plane size setting, graphics properties toolbar.

**Part Design**, 3D introduction, important toolbar, Sketch based features toolbar, Reference plane, Dress up features, Annotation toolbar, Transformation features.

**Assembly Design**, Assembly Design-Bottom up, Constraints, move, space analysis, Product structure tools.

**Drafting**, Drafting details, Text properties, graphics properties, Generative dimensions dimensioning, Annotation.

**DMU kinematics**, Joints, DMU generic animation, DMU viewing.

**Generative Sheet Metal Design**, Sheet metal parameters, Wall, Wall on edge, Bend extremities, Flange, Hem, User flange, Bend from flat, Cut out, Rolled wall, hopper, bending, Conical bend, corner relief, Stamping – all types.

**Wireframe and Surface Design**, Extrude, fill, join, trim, intersection, Corner, disassemble, boundary, Fillet, sweep.

**Generative Shape Design**, Combine, 3D curve offset, spiral, Extrapolate, blend, net surface, conic, variable, offset, snap.



**Bharath Institute of Higher Education & Research**

**School of Arts**

**Course TimeTable**

Value Added Course: Courses on Certificate training in Catia

Course Duration:30 Hrs

S.No	Date	Time	Hour
1	03-09-18	10.00-12.00 a.m	2
2	05-09-18	02.00-04.00 p.m	2
3	07-09-18	02.00-04.00 p.m	2
4	08-09-18	10.00-11.00 a.m	1
5	10-09-18	11.00-12.00 a.m	1
6	11-09-18	3.00-4.00 p.m	1
7	12-09-18	10.00-12.00 a.m	2
8	15-09-18	2.00-4.00 p.m	2
9	18-09-18	10.00-12.00 a.m	2
10	20-09-18	2.00-3.00 p.m	1
11	24-09-18	10.00-11.00 a.m	1
12	25-09-18	2.00-3.00 p.m	1
13	26-09-18	2.00-4.00 p.m	2
14	28-09-18	10.00-12.00 a.m	2
15	03-10-18	2.00-4.00 p.m	2
16	04-10-18	10.00-11.00 a.m	1
17	10-10-18	2.00-4.00 p.m	2
18	17-10-18	10.00-12.00 a.m	2
19	22-10-18	10.00-11.00 a.m	1



**Bharath Institute of Higher Education & Research**  
**School of Arts**  
**Lesson Plan**

Value Added Course: Course on Certificate training in Catia		Course Duration:30 Hrs		
S.No	Date	Topic	Time	Hour
1	03-09-18	Sketcher, Introduction to CATIA, History, Basics, GUI, Use of mouse	10.00-12.00 a.m	2
2	05-09-18	Constraints, profile, setting workbench, Standard toolbar, how	02.00-04.00 p.m	2
3	07-09-18	sketch details and important toolbar for sketch, Profile toolbar,	02.00-4.00 p.m	2
4	08-09-18	View toolbar, Operation toolbar, Specification tree use,	10.00-11.00 a.m	1
5	10-09-18	selecting toolbars, Sketch toolbar, Visualisation toolbar.	11.00-12.00 a.m	1
6	11-09-18	Toolbar setting, plane size setting, graphics properties toolbar.	3.00-4.00 p.m	1
7	12-09-18	Part Design, 3D introduction, important toolbar, Sketch based features toolbar, Reference plane.	10.00-12.00 a.m	2
8	15-09-18	Dress up features, Annotation toolbar, Transformation features, Asse	2.00-4.00 p.m	2
9	18-09-18	Assembly Design-Bottom up, Constraints, move, space analysis, Product structure tools.	10.00-12.00 a.m	2
10	20-09-18	Drafting, Drafting details, Text properties, graphics properties.	2.00-3.00 p.m	1
11	24-09-18	Generative dimensions dimensioning, Annotation.	10.00-11.00 a.m	1
12	25-09-18	DMU kinematics, Joints, DMU generic animation, DMU viewing	2.00-3.00 p.m	1
13	26-09-18	Generative Sheet Metal Design, Sheet metal parameters, Wall, Wall	2.00-4.00 p.m	2
14	28-09-18	Flange, Hem, User flange, Bend from flat, Cut out, Rolled wall, hopper, bending.	10.00-12.00 a.m	2
15	03-10-18	Conical bend, corner relief, Stamping – all types,	2.00-4.00 p.m	2
16	04-10-18	Wireframe and Surface Design,	10.00-11.00 a.m	1
17	10-10-18	Extrude, fill, join, trim, intersection, Corner, disassemble, boundary, Fillet, sweep	2.00-4.00 p.m	2
18	17-10-18	Generative Shape Design, Combine, 3D curve offset, spiral, Extrapolate, blend,	10.00-12.00 a.m	2
19	22-10-18	Net surface, conic, variable, offset, snap	10.00-11.00 a.m	1



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**School of Arts**  
**Lesson Plan**

Value Added Course: Course on Certificate training in Catia		Course Duration:30 Hrs		
S.No	Date	Topic	Time	Hour
1	03-09-18	Sketcher, Introduction to CATIA, History, Basics, GUI, Use of mouse	10.00-12.00 a.m	2
2	05-09-18	Constraints, profile, setting workbench, Standard toolbar, how	02.00-04.00 p.m	2
3	07-09-18	sketch details and important toolbar for sketch, Profile toolbar,	02.00-4.00 p.m	2
4	08-09-18	View toolbar, Operation toolbar, Specification tree use,	10.00-11.00 a.m	1
5	10-09-18	selecting toolbars, Sketch toolbar, Visualisation toolbar.	11.00-12.00 a.m	1
6	11-09-18	Toolbar setting, plane size setting, graphics properties toolbar.	3.00-4.00 p.m	1
7	12-09-18	Part Design, 3D introduction, important toolbar, Sketch based features toolbar, Reference plane.	10.00-12.00 a.m	2
8	15-09-18	Dress up features, Annotation toolbar, Transformation features, Asse	2.00-4.00 p.m	2
9	18-09-18	Assembly Design-Bottom up, Constraints, move, space analysis, Product structure tools.	10.00-12.00 a.m	2
10	20-09-18	Drafting, Drafting details, Text properties, graphics properties.	2.00-3.00 p.m	1
11	24-09-18	Generative dimensions dimensioning, Annotation.	10.00-11.00 a.m	1
12	25-09-18	DMU kinematics, Joints, DMU generic animation, DMU viewing	2.00-3.00 p.m	1
13	26-09-18	Generative Sheet Metal Design, Sheet metal parameters, Wall, Wall	2.00-4.00 p.m	2
14	28-09-18	Flange, Hem, User flange, Bend from flat, Cut out, Rolled wall, hopper, bending.	10.00-12.00 a.m	2
15	03-10-18	Conical bend, corner relief, Stamping – all types,	2.00-4.00 p.m	2
16	04-10-18	Wireframe and Surface Design,	10.00-11.00 a.m	1
17	10-10-18	Extrude, fill, join, trim, intersection, Corner, disassemble, boundary, Fillet, sweep	2.00-4.00 p.m	2
18	17-10-18	Generative Shape Design, Combine, 3D curve offset, spiral, Extrapolate, blend,	10.00-12.00 a.m	2
19	22-10-18	Net surface, conic, variable, offset, snap	10.00-11.00 a.m	1





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## SCHOOL OF ARTS

### Course Feedback form

### Value Added Course

Date: 23-10-18

Course Title: Courses on Certificate training in Catia

Name: Sai Ram P

RegNo: U18CA082

Department: BCA

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	Objectives of the course clear to you					✓
2.	Course contents met with your expectations					✓
3.	Lecture sequence was well planned					✓
4.	Lectures were clear and easy to understand					✓
5.	Teaching aids were effective					✓
6.	Instructors encourage interaction and were helpful					✓
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give Suggestion for the improvement of the course:

Signature





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**SCHOOL OF ARTS**

**Course Feedback form**

**Value Added Course**

Date: 23-10-18

Course Title: Courses on Certificate training in Catia

Name: Daniel S

RegNo: U185C059

Department: Computer Science

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied )						
1.	Ojectives of the course clear to you					✓
2.	Course contents met with your expectations					✓
3.	Lecture sequence was well planned					✓
4.	Lectures were clear and easy to understand					✓
5.	Teaching aids were effective					✓
6.	Instructors encourage interaction and were helpful					✓
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5 ✓

Please give Suggestion for the improvement of the course:

Signature

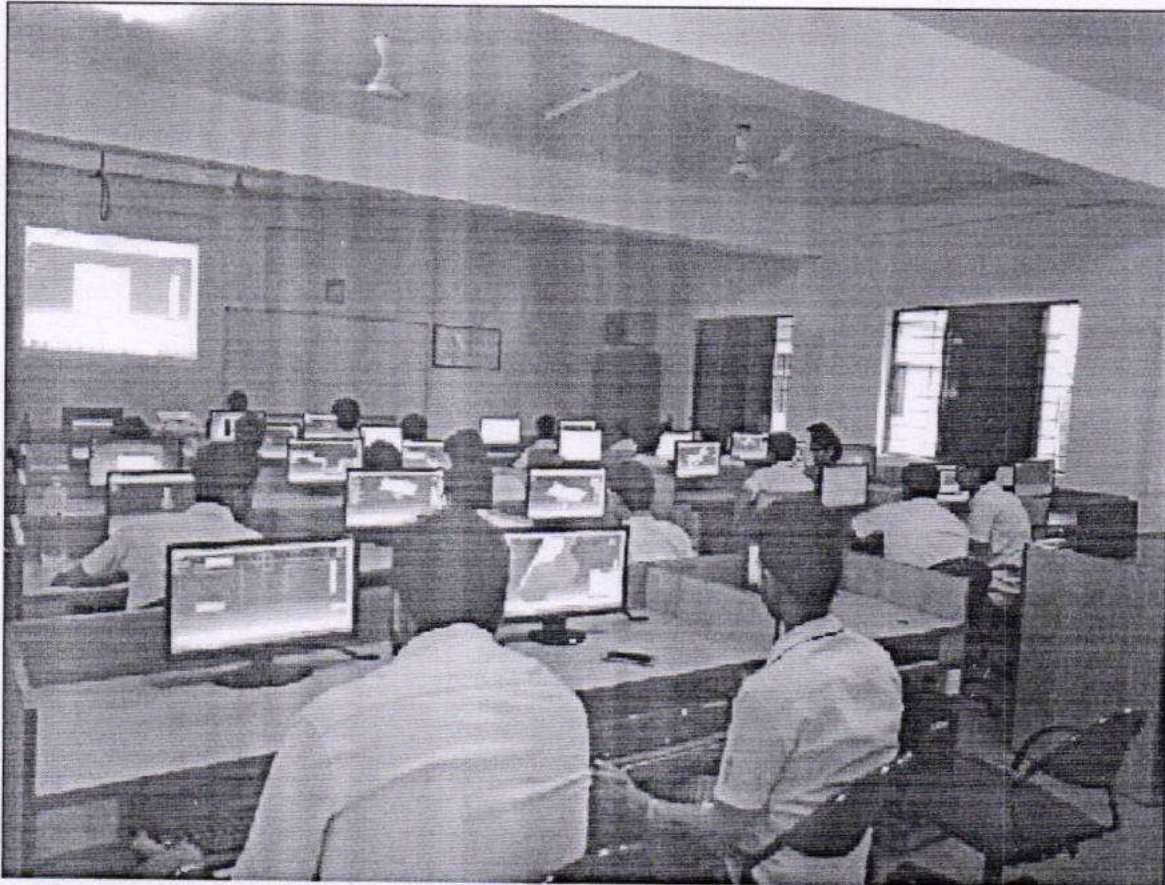




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## SCHOOL OF ARTS



### Resource Person Details

Premachandran  
CADD center,  
Tambaram, Chennai.





# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

School of Arts

## Certificate of Participation

This is to certify that

*GANESH N*

has participated in the Course on Certificate training in Catia, conducted by the school of Arts, BIHER from September 03, 2018 to , October 22, 2018.

*S. Anandhi*

Dr. S. anandhi  
Course Co-ordinator

*for S. Anandhi*

Dr. E. Thirumal  
Convener

*S. Muthukumaravel*  
Dr. A. Muthukumaravel  
Dean- Arts & Science