

Value Added Programs (2017 –



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC | 12B Status by UGC | Approved by AICTE

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
In association with



**INSTITUTE OF
INDUSTRIAL DESIGN™**

ORGANIZES VALUE ADDED COURSE ON

Title – Automotive Styling using ALIAS



01.08.2017 – 11.09.2017 **Slot 1**

REGISTRATION FREE **CERTIFICATE WILL BE ISSUED**

<u>CHIEF PATRONS</u>	<u>PATRONS</u>	<u>CONVENERS</u>
Dr. Mariazeena Johnson Chancellor	Dr. S. Sundar Manoharan Vice Chancellor	Dr. V. K. Bupesh Raja - 9444076294
Dr. Marie Johnson President	Dr. S. Prakash Dean, Mechanical	Mr. R. kumarasubramanian

www.sathyabama.ac.in

2018)

Course Content

Value Added Program (2017 - 2018) – Automotive Styling using ALIAS Schedule

S. no	Date	Session Topic
1.	01.08.2017	Introduction to Autodesk Alias software
2.	02.08.2017	User interface and curves toolbar
3.	03.08.2017	Learning curves, curves edit toolbar, object edit toolbar
4.	04.08.2017	Object and mirror tools, Inserting canvas planes and creating layers
5.	07.08.2017	Surface toolbar, surface edit toolbar and diagnostic shade
6.	08.08.2017	Tracing Car blueprint
7.	09.08.2017	Digital design foundation 1 & curves introduction, why use curves
8.	10.08.2017	Digital design foundation 2 & building and controlling simple geometry
9.	11.08.2017	Digital design foundation 3, surface editing & introduction to different continuities
10.	14.08.2017	Surface editing
11.	16.08.2017	Introduction to different continuities

12.	17.08.2017	Workflow 1: Concept Modeling
13.	18.08.2017	Workflow 2: Concept Modeling
14.	21.08.2017	Workflow 3: Concept Modeling
15.	22.08.2017	Wind Shield styling using Alias
16.	23.08.2017	Door styling using Alias
17.	24.08.2017	Bonnet styling using Alias
18.	25.08.2017	Workflow 4: Concept Modeling
19.	28.08.2017	Workflow 5: Concept Modeling
20.	29.08.2017	Workflow 6: Concept Modeling
21.	30.08.2017	Technical Surfacing (A- Class Knowledge)
22.	31.08.2017	Class B Surfaces Modelling
23.	01.09.2017	Modelling rim
24.	04.09.2017	Keyshot for rendering
25.	05.09.2017	X-transform
26.	06.09.2017	Modelling Car

27.	07.09.2017	Concept modelling Sketch to 3d
28.	08.09.2017	Project - 1
29.	09.09.2017	Project - 2
30.	11.09.2017	Presenting the project design

CERTIFICATE OF COMPLETION

Awarded to Mr. JAYAPRAKASH P
in Automotive Styling using ALIAS
at Sathyabama Institute of Science and Technology
during 01.08.2017 – 11.09.2017


.....
MANAGING DIRECTOR

11-09-2017
.....
DATE OF ISSUE



List of Participants

S. No	Register Number	Participant Name
1.	3586003	AJAY.V
2.	3586006	AKSHAYAN.S.K
3.	3586007	ALLAN SAM BRUCE.P.K
4.	3586008	ALLEN EBI.L.M
5.	3586010	ANNAPUREDDY SIVA KRISHNA REDDY
6.	3586011	ARAVIND SIDDHARTH.S
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52.	3586072	VASANTH SETTY SAI AKHIL
53.	3586073	VIGNESH.P
54.	3586074	VIGNESH RAGHAV.M
55.	3586075	VIJAY RICHARDSON.A
56.	3586076	VINCENT PRASANTH STANLEY.S
57.	3586077	VISWANATHAN.K
58.	3586078	WILFRED ERIC.D
59.	3586079	YASH RAMCHANDRA DONGARWAR
60.	3586080	YOGESH.D

61.	3586802	AKASH MISRA
62.	3586803	RAJPUT GOVARDHAN D
63.	3586804	HEMANTH K
64.	3586807	NAGULAN G
65.	3586808	RITAM DAS

66.	3486001	AADISH. C. V
67.	3486018	BALAJI BHARAT.N
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**INSTITUTE OF
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ORGANIZES VALUE ADDED COURSE ON

Title – Automotive Safety Component Design - CATIA



01.02.2018 – 20.03.2018

Slot 2

REGISTRATION FREE

CERTIFICATE WILL BE ISSUED

CHIEF PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Marie Johnson
President

PATRONS

Dr. S. Sundar Manoharan
Vice Chancellor

Dr. S. Prakash
Dean, Mechanical

CONVENERS

Dr. V. K. Bupesh Raja -
9444076294

Mr. R. kumarasubramanian

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Course Content

Value Added Program (2017 - 2018) – Automotive safety component design - CATIA

S. no	Date	Session Topic
1.	01.02.2018	Introduction to CATIA as a CAD software
2.	02.02.2018	Learning Sketcher Tool
3.	05.02.2018	Workflow 1 - Sketcher Tool
4.	06.02.2018	Modeling of Machined component
5.	07.02.2018	Modeling of Machined component - 2. Pattern (Rectangular, Circular, User) , Thread/Tap, Datum Features
6.	08.02.2018	Advance Design features
7.	09.02.2018	Introduction to Multibody concept
8.	12.02.2018	Multibody concept:- Standered example
9.	13.02.2018	Workflow 2 – Multibody Concept
10.	14.02.2018	Introduction To Drafting & Detailing Theory
11.	15.02.2018	Surfacing Modeling based Plastic Component

12.	16.02.2018	Advanced Surfacing
13.	19.02.2018	Modelling of Driver seat
14.	20.02.2018	Modelling of Outer Body
15.	21.02.2018	Workflow 3 – Surface Modelling
16.	22.02.2018	Wire-frame Modeling
17.	23.02.2018	Design of light and heavy duty vehicle frame
18.	26.02.2018	Design of front axle and rear axle
19.	27.02.2018	Design of clutch
20.	28.02.2018	Design of gear Box
21.	01.03.2018	Workflow 4 - Wire-frame Modeling
22.	02.03.2018	BIW Templates
23.	05.03.2018	Introduction to Assembly
24.	06.03.2018	Design of connecting rod small end and big end, shank design, design of big end cap, bolts and drawing of the connecting rod assembly
25.	07.03.2018	Learning of BOTTOM-UP Approach

26.	08.03.2018	Learning of TOP-DOWN Approach
27.	09.03.2018	Design of crankshaft, balancing weight calculations, Development of short and long crank arms, front end and rear end details, drawing of the crankshaft assembly
28.	13.03.2018	Assembly Drafting
29.	15.03.2018	Project
30.	20.03.2018	Presenting the project design and Evaluation

CERTIFICATE OF COMPLETION

Awarded to Mr. KAILASH K
in Automotive Safety Component Design - CATIA
at Sathyabama Institute of Science and Technology
during 01.02.2018 – 20.03.2018


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MANAGING DIRECTOR

20-03-2018
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