

CATIA stands for Computer Aided Three-Dimensional Interactive Application. It's much more than a CAD (Computer Aided Design) software package. It's a full software suite which incorporates CAD, CAE (Computer-Aided Engineering) and CAM (Computer-Aided Manufacture)

- Value Added Course on CATIA V5 Training Organized by Department of Mechanical Engineering, SITE, SVSU



Chief Patron: Prof.(Dr. Bikas Prakas
Prof.(Dr.) Ravish Kumar Srivastava

Course Coordinators:

Mr. Sachin Kumar(7017002605)

Mr. Krishna Kumar Sharma(7905121871)

Course Content:

- Introduction to CATIA V5
- Part design in CATIA V5
- 2D Design In CATIA V5
- 3D Design In CATIA V5
- Mechanism Design In CATIA V5

Date 14th Sept,2018 to 3rd Oct,2018

SWAMI VIVEKANAND SUBHARTI UNIVERSITY, MEERUT
DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

1. Title Name: CATIA V5 Training
2. Contact Hours: 16 hrs

COURSE OBJECTIVES

1. To impart fundamental knowledge to students in the latest technological topics on Computer Aided Design.
2. To create congenial environment that promotes learning, growth and imparts ability to work with inter-disciplinary groups in professional, industry.
3. To broaden and deepen their capabilities in analytical and experimental research methods.
4. To provide guidance to students for their choices in research and professional career outlook and to encourage students to take up research.

Module	COURSE DESCRIPTION	Contact Hours
1	<u>Catia v5 Basics</u> Getting Started with catia V5 About catia V5, System Requirements, Introduction to the GUI of catia V5, Set working directory, About Various Modules in catia v5 <u>Sketcher Basics tools</u> Mouse control, Creating sketcher geometry, Editing the sketch, Dimensioning, Constraining the sketcher geometry, Adding relations to sections.	5
2	<u>Part Modeling</u> Starting out in Part Mode, Creating a part file, Setting up units, Creating datum Planes, Working with model tree. Multi Section Tool, solid combine tool, multi pad, multi pocket, Fillet tool, chamfer tool, draft tool, variable fillet, and tritangent fillet, thread tool, shell tool, face to face fillet tool, surface based tool.	4
3	<u>Drafting</u> Introduction to detailing, Setting the drawing sheet format & size, Creating Views for models, Full view, Half view, Partial & broken view, Detailing view etc. <u>Assembly</u> Working with Assembly datum planes, Assembly basics. <u>Generative sheet metal design</u> Introduction to sheet metal, Create flat wall, Create flange wall, Create unattached flat wall, Create unattached extruded wall. Unbend, Bend back, Flat pattern, Concept of die and punch, Flatten form, stamping, creating surface stamp.	7

REPORT OF COMPLETION

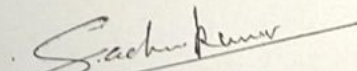
CATIA V5

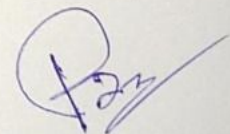
We are highly grateful to Dr. Bikash Prasad, principal, Subharti institute of technology and engineering Meerut for providing permission to conduct the fifteen days value added course (AutoCAD-2018) in the Mechanical engineering department. **The CATIA V5** training is successfully completed by the students in the institute. Following are the outcomes that the students have learned during the training.

CATIA V5, is the most recent and widely used Computer-aided Design tools from Dassault Systems. Have abilities and capabilities in developing and applying computer software and hardware to mechanical design and manufacturing fields. Formulate relevant research problems; conduct experimental and/or analytical study and analyzing results with modern mathematical / scientific methods and use of software tools.

Design and validate technological solutions to defined problems and communicate clearly and effectively for the practical application of their work.

The constant guidance and encouragement received from Principal, SITE has been of great help in carrying out the training and is acknowledged with reverential thanks.


CO-ORDINATOR


HOD (ME)


Registrar
Swam Vivekanand
Subharti University
MEERUT



Participants during Value Added Course:CATIA5

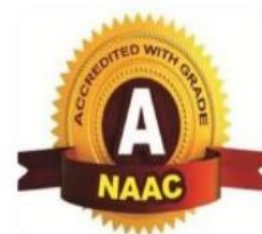


Subharti Institute of Technology and Engineering
Swami Vivekanand Subharti University, Meerut
(Approved by AICTE)

Subhartipuram, NH-58 Delhi-Haridwar Bypass Road, Meerut-250005 (U.P.)

Ph.: 0121-2439157, Ext. 2222, 2221, Fax: 0121-2439108

E-mail: principal.site@gmail.com, principal.engg@gmail.com, Website: www.subharti.org



VALUE ADDED COURSES

SESSION : 2018-19

COURSE NAME: CACIA V5

COURSE CODE: ET-VA-17

LIST OF STUDENTS

S. NO.	ENROLLMENT ID	STUDENT NAME
1.	1201730788	SHIVAM VERMA
2.	1501010000620	IMRAN KHAN
3.	1401078803577	ROHIT
4.	1501010000587	GURNAMAN SINGH
5.	1501010000588	MAHBUB ALAM
6.	1501010000589	PRAJWAL SINGH
7.	1501010000590	MURAD ANSARI
8.	1501010000604	SHIVAM KUMAR
9.	1501010000612	SUMIT KUMAR
10.	1501010000617	SHUBHAM RAJ
11.	1601010001264	AMAN ANSARI
12.	1601010002853	HRISHIKESH
13.	1601010000204	AMRENDRA PRATAP SINGH
14.	1601010000215	ANUP KUMAR SHARMA
15.	1601010000226	AVINASH KUMAR

Mishra



Registrar
Swami Vivekanand
Subharti University
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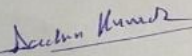



CERTIFICATE OF TRAINING

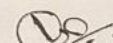
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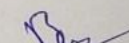
ROHIT

For Successfully Completing "CATIA V5"
As the Part of Value aided Course Organized by Mechanical Engineering Department
During 14 September 2018 to 03 October 2018.


Mr. Sachin Kumar
Course Coordinator


Mr. K K Sharma
Course Coordinator


Prof. (Dr.) Ravish Shrivastava
HOD ME Department


Prof. (Dr.) Bikas Prasad
Principal

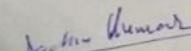


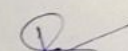
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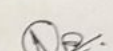
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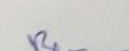
AMAN ANSARI

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Course Coordinator


Mr. K-K Sharma
Course Coordinator


Prof. (Dr.) Ravish Shrivastava
HOD ME Department


Prof. (Dr.) Bikas Prasad
Principal



CERTIFICATE OF TRAINING

This Certificate is Presented to

Suman Verma

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Sachin Kumar
Mr. Sachin Kumar
Course Coordinator

K K Sharma
Mr. K K Sharma
Course Coordinator

Ravish Shrivastava
Prof. (Dr.) Ravish Shrivastava
HOD ME Department

Bikas Prasad
Prof. (Dr.) Bikas Prasad
Principal



CERTIFICATE OF TRAINING

This Certificate is Presented to

ANUSH KUMAR

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Anush Kumar
Registrar
Swami Vivekanand
Subharti University
MEERUT

Sachin Kumar
Mr. Sachin Kumar
Course Coordinator

K K Sharma
Mr. K K Sharma
Course Coordinator

Ravish Shrivastava
Prof. (Dr.) Ravish Shrivastava
HOD ME Department

Bikas Prasad
Prof. (Dr.) Bikas Prasad
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