ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Permanently Affiliated to JNTUK, Kakinada * Approved by AICTE, New Delhi * Accredited by NAAC
Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956
ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Mechanical Engineering

Date: 07.08.2019.

To
The principal
Aditya College of Engineering & Technology
Surampalem

Respected sir,

[Through Head of the Department]

Sub: Request for your approval to organize a certification course on "SOLIDWORKS" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Mechanical Engineering would like to train our4th year B.Tech students in the **SOLIDWORKS** adapted initially, with the help of our staff; as the present world is moving over the software design & simulations and also is a part of the Mechanical Engineering. It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person	:	Mr. Sai Teja Assistant Professor Aditya Engineering College
Honorarium	:	Rs. 10000/-

Forwarded to the Principal

P. S. v. v. Sinha

Course Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437

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Date: 09.08.2019

CIRCULAR

All the 4th year students are here by informed that a program is arranged to enhance the knowledge on **SOLIDWORKS,** as per the schedule from 9thSeptember,2019. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mr. P S V V Srihari
+919640751983

Head of the Department

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Department of Mechanical Engineering

SOLIDWORKSSyllabus

1. Introduction to SOLIDWORKS
2. Drawing Sketches in the Sketcher Workbench
3. Solid modeling
4. Drafting
5. Surface modeling
6. Assembly Modeling
7. Simulation for structural problems
8. Heat transfer simulation problems

P.S.V.V. Sri

Course Coordinator

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Schedule of SOLIDWORKS Syllabus:

Day-1:
FN Inauguration of the Program and speakers talk about the objectives of the event
AN Introduction to SOLIDWORKS interface for tools and options.
Day-2:
FN Drawing tools for 2D sketch
AN Practice of 2D drawings with modifying tools like arrays, offset
Day-3:
FN Introduction to 3D modeling
AN Practice on 3D models using editing tools, extrude, hole, mirror
Day-4:
FN Introduction to Assembly drawing, applications and practice
AN Practice on Assembly drawing
Day-5:
FN Introduction to simulation tools and process
AN Structural problem simulation in SOLIDWORKS
Day-6:
FN Practicing structural problems
AN Heat transfer problems simulation in SOLIDWORKS
Day-7:
FN Practicing heat transfer problems
AN Simulation of conjugate heat transfer
Day-8:
FN Design and thermal simulation of connecting rod
AN Design and structural simulation of spur gear
Day-9:
FN Design and structural simulation of beam
AN Practice on Simulation of conjugate heat transfer
Day-10:
FN Practice and doubts clarification.
AN Valedictory

Course Coordinator

Head of the Department

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