



## MECHANICAL ENGINEERING DEPARTMENT

### A Report on

### One day Seminar on

### “SolidWorks- CAD and Espirit- CAM”

#### OBJECTIVES OF THE PROGRAMME:

The Seminar focused on comprehensive topic discussions on SolidWorks. The session included introduction to various features of SolidWorks for CAD and Espirit CAM with some advanced topics that will help to students to prepare 3D Modelling and create CNC/VMC Program for Manufacturing a part or Assemblies.

#### EXPERT SPEAKERS:

1. Mr. Keyurbhai Chavda: Marketing Executive, SOPAN Institute Pvt. Ltd., Surat.
2. Mr. : Mitul Patel : Sr. CAD Engineer, SOPAN Institute Pvt. Ltd., Surat

#### PARTICIPANT DETAILS: ANNEXURE – I

Total 71 students had participated from 3<sup>rd</sup> year- sem 6 of Mechanical Engineering Department of SNPITRC.

#### OUTCOME OF AN EVENT:

1. The Seminar was divided in two segments

Morning Session	Evening Session
<ul style="list-style-type: none"><li>• A brief introduction about SOPAN Institute</li><li>• What is SolidWorks?</li><li>• Why should we use SolidWorks.</li><li>• Basic Commands for 3D Modelling and Assemblies</li><li>• Analysis of 3D Model in SolidWorks</li></ul>	<ul style="list-style-type: none"><li>• About Espirit CAM</li><li>• How Import 3D Model in Espirit CAM</li><li>• How to generate CNC/VMC Program</li></ul>

2. Mr. Keyurbhai Chavda provided the basic knowledge about Installation, Set-up of SolidWorks CAD & Espirit CAM Software.
3. Mr. : Mitul Patel, thoroughly explained how to Create 3D Model in SolidWorks and do Analysis in Software. He also explained about CAM software- Espirit CAM for generation of CNC/VMC program and how to execute in Machine.

**Organized By:-** Dr. Hitesh Jariwala, T & P officer, SNPIT & RC, Umrakh.



## MECHANICAL ENGINEERING DEPARTMENT

### SEMINAR SCHEDULE: ANNEXURE II

### SEMINAR PHOTOGRAPHS: ANNEXURE III

### FEEDBACKS FROM STUDENTS:

Students experienced a special learning session through which they got a better understanding of SolidWorks and Espirit tool and application. Students understood the importance of SolidWorks. The content delivery was as per the needs of every student along with the huge interaction.

### CONCLUSION:

The Department of Mechanical Engineering of SNPIT&RC, Umrakh has organized a “One day Seminar on “SolidWorks- CAD and Espirit- CAM”. The aim was to provide demonstration to the students on the aspects of doing performance work on open source and scientific tool. This seminar targets those students who are not at all familiar with 3D modelling, Analysis and CAM tools.



**MECHANICAL ENGINEERING DEPARTMENT**  
**ANNEXURE – I PARTICIPANTS DETAILS**

SITARAMBHAI NARANJI PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE, UMRRAKH			
Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Dist: Surat, Gujarat, India,			
SEM: 6 Department : MECHANICAL ENGINEERING			
Expert Lecture on "Solidworks and Esprit"			
SR NO	ENROLL NO.	NAME	SIGN
1	190490119005	CHAUDHARI AMITKUMAR BABUBHAI	
2	200490119001	SHREYAS M CHAUDHARI	<i>Shreyas</i>
3	200490119002	BHAGARIYA RAHUL MADHUBHAI	<i>Rahul</i>
4	200490119004	MATHUKIYA PRATIK KAILASHBHAI	<i>Pratik</i>
5	200490119005	CHAUDHARI PRIYANSHUBHAI DHANSUKHBHAI	<i>Priyanshu</i>
6	200490119006	TANDEL AKASH KANUBHAI	
7	200490119007	GUPTA VINAYKUMAR MATABADAL	
8	200490119008	GAMIT AYUBBHAI DILIPBHAI	<i>Ayub</i>
9	200490119009	CHAUDHARI ANGELKUMAR VINAYBHAI	<i>Angel</i>
10	200490119010	CHAUDHARI YUSUFKUMAR ARJUNBHAI	
11	200490119011	PARMAR DHAVAL KANTIBHAI	
12	200490119012	TAILOR PARTHKUMAR DHARMESHBHAI	<i>Partk</i>
13	200490119013	ASHISH A. CHAUDHARI	<i>Ashish</i>
14	200490119014	GEDIYA OM AJITBHAI	<i>Om</i>
15	200490119015	MAHLA ANKITBHAI DHIRUBHAI	
16	200490119016	PADVI ANIRUDDH NARESHBHAI	
17	200490119017	NAYKA BHAVINKUMAR GIRISHBHAI	<i>Nayka</i>
18	200490119018	ROHIT KARAN SHASHIKANT	
19	200490119019	PANCHAL HARSHKUMAR CHETANKUMAR	
20	200490119020	CHAUDHARI NILKUMAR JITENDRABHAI	
21	200490119021	PATEL NEELKUMAR NATVARBHAI	
22	200490119022	GANVIT MAYANKBHAI RAJESHBHAI	<i>M. R. G</i>
23	200490119023	VASAVA JAIMINKUMAR NARENDRABHAI	
24	200490119024	RATHAVA DHAVAL RAMANBHAI	
25	200490119025	GAMIT NIRMALBHAI PRAVINBHAI	<i>N.P. Gambh</i>
26	200490119026	VASAVA MEHULKUMAR SURESHBHAI	<i>M. Vasava</i>
27	200490119027	PATIL CHETAN LAKHICHAND	
28	200490119028	KHALASI UTSAVBHAI SANJAYBHAI	<i>U.S.K</i>
29	200490119029	PAWAR NILAYBHAI GANESHBHAI	
30	200490119030	PATEL DISHANG DILIPBHAI	<i>D. D. Patel</i>
31	200490119031	PATEL JAINIL GORDHANBHAI	<i>J. Patel</i>
32	200490119032	GAYAKWAD ROHITBHAI RAJUBHAI	
33	200490119034	RAJPUROHIT KRISHNA DEEPSINGH	<i>Krishna</i>
34	200490119036	PATEL ROHITBHAI ALPESHBHAI	<i>Patel R. A.</i>
35	200490119039	PRAJAPATI UDIT JIGNESHBHAI	<i>Udit</i>
36	200490119040	PATEL SHIVKUMAR PRAKASHCHANDRA	<i>Shiv</i>
37	200490119041	GOHIL PIYUSHKUMAR MAHENDRASINH	<i>Piyush</i>
38	200490119042	Yadav sujit umeshprasad	
39	210490119501	GANDHI SAHIL SIRAJUDDIN	



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40	210490119502	GAMIT SHRADDHABEN RAVINDRABHAI	S.R. Gamit
41	210490119503	DESAI KHUSH NAIMESHKUMAR	K.M. DESAI
42	210490119504	GOSWAMI SHIVAM SURESHBHAI	S.S. Goswami
43	210490119505	VISHASH SHUKLA	
44	210490119506	MEHTA VISHAL VINAYKUMAR	V.V. Mehta
45	210490119507	Rathod Vivekkumar Prabhulal	
46	210490119508	PATEL HENIL MUKESHBHAI	
47	210490119509	SHARMA YASH GANGARAMBHAI	Yash
48	210490119510	LAD NIRALKUMAR HARESHBHAI	
49	210490119511	PATEL MAYANKKUMAR NAGARBHAI	
50	210490119512	PANCHOLI AYUSHKUMAR SHAILESHBHAI	A.S. Pancholi
51	210490119513	PATEL KRUNALKUMAR NILESHBHAI	
52	210490119515	Gamit Jaineshkumar Rakeshbhai	
53	210490119516	VALVI ANKUJBHAI AMRATBHAI	
54	210490119517	RAM VINAY BACHCHARAM	
55	210490119518	NIKAM KRISHNA DAMODAR	
56	210490119519	Dumasia Jay Deepakkumar	
57	210490119520	MUKULBHAI BHUSARE	
58	210490119521	PRANIL ANIL SONAWANE	
59	210490119522	THAKOR PRUTHVIRAJ BHUPENDRABHAI	Pruthviraj
60	210490119523	BIND AADITYA SURESHKUMAR	Bindu
61	210490119524	CHAUDHARI PIYUSHKUMAR DINESHBHAI	
62	210490119526	GARASIYA HIRENKUMAR KAMLESHBHAI	
63	210490119527	PATIL NILESH AMRUTLAL	Nilesh
64	210490119529	GAMIT JATINBHAI ARVINDBHAI	Jatin
65	210490119530	PATIL VIPUL BHARAT	Vipul
66	210490119531	PARMAR DHRUVKUMAR JASHVANTBHAI	Dhruv
67	210490119532	CHAUDHARI VISHALBHAI NILESHBHAI	
68	210490119533	PATIL DEVIDAS GULABRAO	Devidas
69	210490119534	SALVE SNEHA RANDHIRBHAI	Sneha
70	210490119537	PATEL KUMPALKUMAR SURESHBHAI	
71	210490119538	PATEL MAYANKBHAI JITENDRABHAI	
72	210490119539	RATHOD ASHISHBHAI RAMESHBHAI	
73	210490119541	PATEL NILAYKUMAR PRAFULBHAI	
74	210490119542	ANSARI AZHARALI SHAUKATALI	Azharali
75	210490119543	SURTI PRUTHVIKUMAR NATVARBHAI	P.N. Surti
76	210490119544	Yelave kalpesh vasant	Kalpesh
77	210490119545	CHAUDHARI VIVEKKUMAR NAVINBHAI	Vivekkumar
78	210490119546	Bhavsar Mitanshu Narendrabhai	Mitanshu
79	210490119547	CHAUDHARI TUSHARKUMAR AJITBHAI	
80	210490119548	PATIL SAURAV NIMBA	
81	210490119552	CHAUDHARI PRASHANTKUMAR VALMIKBHAI	Prashant



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### ANNEXURE II SEMINAR SCHEDULE

<i>SCHEDULE OF SEMINAR</i>		
<b>Date</b>	13/3/2023	
<b>Venue</b>	Workshop Building, Workshop Seminar Hall SNPIT & RC, Umrakh, Bardoli	
<b>Speakers</b>	<b><u>Mr. Keyur Chavda</u></b> Marketing Executive, SOPAN Institute Pvt. Ltd., Surat.	<b><u>Mr. Mitul Patel</u></b> Sr. CAD Engineer, SOPAN Institute Pvt. Ltd., Surat
<b>Mode of Seminar</b>	Demonstration of SolidWorks and Espirit CAM.	
<b>No. of Benefited Students</b>	71	

### ANNEXURE III PHOTOGRAPHS



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### A. SESSION PHOTOS





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