

College Name : Dr. Mahalingam College of Enng &Technology, Pollachi

Date:

20th & 21st February 2010

Trekking place :

TOP SLIP, (MONKEY FALLS)

Significant learning:

DAY 1: ENGINEERING DESIGN PROCESS

TECHNICAL SESSION:

Mr. S.Shanmugam sir gave a brief intro about designing as the ability of expressing a whole structure of a material in diagrammatic view or by desired prototype model is called designing and also about designing products and encourage students to create an innovative knowledge about the basic design.

The session includes,

- Intro about design
- Create team work among students
- Create own models by students
- Testing of designed products
- Finding &rectifying faults
- Design reports

The participants were clustered into 8 teams , each comprising of 5 members from different colleges. Of them

Project engineer:

Responsible for helping members to understand teams' task, leading team discussions, checking for safety at all times & checking whether the team's task is complete.

Facilities engineer:

Responsible for collecting materials, directing model construction, directing clean up &storing materials.

Test engineer:

Responsible for recording and organizing data in team design log.

Process:

The 8 teams created their own toy car model using thin sheets, paste, plastic strips, scissors, plastic wheels etc.....

The process includes the following steps

Step 1 : Create the model of their own innovative thinking

Step 2 : Test their models and find faults

Step 3 : Finalize the design.

Step 4 : Run toy car without any initiators

Step 5 : Then weight are added again design cars are tested

Step 6 : Then external initiators are made using throttle valves, nozzles and balloons

Step 7 : Again weights are added and tested.

Step 8 : Reports were made after underwent a serious analysis.

Design products were checked by the chiefs and they gave various design ideas for better performance. Lastly all teams made their own designed toy cars especially to attract the children, which is the main objective.

The products were made to run on flat surfaces and readings are taken in parameters like distance covered, straightness, time taken and were noted for further optimization. Once all the teams finished their complete process , the students are encouraged to watch Mr.Randy pausch last lecture video, which added value to the humankind nature of students.

DAY 2: SAE Trek

The students got ready at early morning and we started from college in a mini bus. The students enjoyed the sighting of forest with snow, rare wild animals like black monkey, wild deer , wild buffalo , Ofcourse they expected tiger and elephant, but being sunday they went on leave. So we missed them.

The forest ranger gave permission for trek in forest for 15 km and gave us two armed men for safety concern. Since the sun woke very late , we walked without any halt..Around 1 pm, we had the lunch at anamalai and moved to monkey falls. We took bath in narrowed waterfall and started certificates distribution at 4.30 pm. At 5.15 pm all the students were dropped in pollachi bus stand and the bus returned to college with no student to shout .!!!!



Participating Students

Total no of students: 34

No of colleges: 8

List of Students

No	Name	College	Membership no
1	Rohit Kumar	SRM University	7090425810
2	R.Nishant Kumar singh	SRM University	7090425856
3	Nikhil Mukkawar	SRM University	7090425898
4	Bantwal Venkatesh	SRM University	7090425952
5	Nirbhay Kumar	SRM University	7090425962
6	G.Mani maran	K.L.N College of Engineering	7090421625
7	A.Parthipan	K.L.N College of Engineering	7090421557
8	E.manoj	K.L.N College of Engineering	7090421559
9	M.Hari prasath	K.L.N College of Engineering	7090421624
10	Sakthi saravana senthil	K.L.N College of Engineering	7090421535
11	Kathirvel	Mepco Schlenk Engineering college	7090424010
12	S.Kanagasaba Pathi	Mepco Schlenk Engineering college	7090423938
13	K. Jeyaraj	Mepco Schlenk Engineering college	7090423980
14	R.Gowtham Raj	Mepco Schlenk Engineering college	7090423973
15	S.Prashanth	Mepco Schlenk Engineering college	7090423971
16	P.Pughzhendhi	St.peter Engineering College	7090420561
17	G.Rajagopalan	St.peter Engineering College	7090420562
18	Raaja Dheeban	St.peter Engineering College	7090422820
19	Rakesh Kumar	St.peter Engineering College	7090422822
20	A.ManiKandan	SVCE	7080426999
21	M.Murali Krishna	SVCE	7090423521
22	K.A.Vasif jawith	B.S.A Crescent Engineering College	
23	M.Kavin raj	B.S.A Crescent Engineering College	
24	Shanawaz	B.S.A Crescent Engineering College	
25	R.Balaji	B.S.A Crescent Engineering College	
26	Mohan	Jeppiaar Engineering College	
27	Ramkumar	Jeppiaar Engineering College	
28	Divagar	Jeppiaar Engineering College	
29	Sarath balan	Jeppiaar Engineering College	
30	S.Kishore	K.S.Rangaswamy College	7090423365
31	M.Manikandaprabu	K.S.Rangaswamy College	7090423371
32	B.Mahendrababoo	K.S.Rangaswamy College	7090423368
33	Nambi. M. Krishna	K.S.Rangaswamy College	7090423378
34	S.KriubhaShanker	K.S.Rangaswamy College	7090423366