OFFICE OF THE REGISTRAR
NOTICE

DIT UNIVERSITY
IMAGINE ASPIRE ACHIEVE

Ref: REG: .- 237755 -VAf-2020-21 (TB)   **Date: 5th December 2020.**

Subject: Schedule for Online Technical Training – Proteus

Attention: Students of B.Tech 6th Semester (ECE & EE Students)

The students are hereby informed that the Technical Training – Proteus will be held from **10th December 2020 to 28th December 2020** for the students of B.Tech - 6th Semester (ECE & EE).

Note:

1. It is mandatory for above mentioned students to attend the training.
2. The training will run in online mode (till further notice) on MS Team. Students will be assigned batch (as per the schedule) and will be added to their respective MS Teams.
3. It is suggested to all the above-mentioned students to attend the training (detailed schedule will be shared in your respective batch on MS Team).
4. The Department concerned shall notify the details about timings and MS Team batch of the training sessions. In case of any query please contact the Career Development Centre, DIT University.

Dr. Vandana Suhag
Registrar

Registrar
DIT University, Dehradun

Registrar
DIT University, Dehradun

To:
- All Deans / Directors
- HoDs
- Head CDC

With the request to bring the above to the notice of the students

Copy to:
- Chairman
- Chancellor
- Vice Chancellor
- Pro Vice Chancellor
- ICT Manager – to upload on website

For information please

VAT-87: ONLINE Technical Training-Proteus

Course:-B.Tech- ECE & EE 2nd & 3rd Year

Platform:- MS Team (Online)

Organized By- Department of ECE

Date:-10th December -28th December 2020

Duration:-30 Hours

Timings:-9:00 AM to 11:00 AM

Introduction to Proteus:

- **Proteus Design Suite** is a software tool set, mainly used for creating schematics, simulating Electronics & Embedded Circuits and designing PCB Layouts.

- Proteus ISIS is used by Engineering students & professionals to create schematics & simulations of different electronic circuits.

- Proteus ARES is used for designing PCB Layouts of electronic circuits.

- It's available in four languages i.e. English, Chinese, Spanish & French.

Why use Proteus:

- Proteus is quite lenient in circuit designing and it works on ideal conditions i.e. if you don't add pull up resistors in Proteus simulation, then it won't give garbage value.

- Proteus is also used for PCB designing, we use **Proteus ARES** for that. (We will discuss it in upcoming lectures)

- Proteus is also used for designing/testing programming codes for different Microcontrollers i.e. Arduino, PIC Microcontroller, 8051 etc.

In Embedded projects, we need to design a programming code for Microcontrollers and for designing such codes you have to perform a lot of testing, which involves uploading code to Microcontroller. So, in such projects, Proteus is a great relief. Let's say, you have to print some strings on 20×4 LCD, then its quite annoying to burn the Microcontroller several times for typographical errors. Instead, design a circuit in Proteus and test your code in the simulation and once you are sure that you are getting perfect output then burn your PIC Microcontroller and test it on real hardware. Quite easy and handy.

Requisite:

The program is designed for students or professionals who are:

- Having a Diploma, BE / B.Tech or equivalent in domains such as Automotive, Mechanical, EEE, ECE, Instrumentation, Mechatronics, and Aeronautics.
- Designing enthusiasts (No academic qualification mandatory)

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- 3D navigation
- Adding the 3D Components
- Setting the 3D PCB
- Where to find 3D components
- Downloading 3D model

<u>Output Files</u>
- Exporting PDF Schematic
- Exporting PDF Layers
- Custom PDF for Printing
- Generate Gerber Files
- Bill of Materials – BOM
- Proteus Gerber Viewer
- Project based learning LPKF E44 PCB prototyping machine.
- Group Project work.

Training Outcome:

Students benefited from exposure to professional grade tools with an intuitive user interface and a quick **learning** curve.

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Annexure - II

Value added course Details (Academic Year: 2020-21)

VAT Course Name: Proteus Training
VAT Code: VAT 87
Duration in Hours: 30
Number of Students Enrolled: 74
Number of Students Completed: 72

Grades:	G= GOOD ; S = Satifactory ; P = Poor ; W = Withdraw			
Student ID	Student Name	Program/Course	Year	Passing Grade
180104015	ABHINAV SINGH	BTEE	3rd Year	G
190104911	KISHAN JAISWAL	BTEE	3rd Year	S
190103900	SHIVANGI SHARMA	BTECE	3rd Year	S
190104909	TRILOK SINGH GAIRA	BTEE	3rd Year	G
190104903	NIRAJ KUMAR THAKUR	BTEE	3rd Year	G
190104902	PRAKHAR BHIDOLA	BTEE	3rd Year	S
190104905	SHIVAM CHAMOLI	BTEE	3rd Year	S
190104904	ALI UMMAR FARUK	BTEE	3rd Year	S
190103901	SAKSHAM PANDEY	BTECE	3rd Year	S
190104910	PRABHAT SAGAR	BTEE	3rd Year	S
180103002	PRERNA SINGH	BTECE	3rd Year	P
190104901	UDITANSHU SINGH	BTEE	3rd Year	S
180104006	SHIVANI RUDI	BTEE	3rd Year	G
190104907	SURYAKANT BAHUGUNA	BTEE	3rd Year	S
180103019	RUDRA PRATAP	BTECE	3rd Year	S
170103017	MANIK SEN	BTECE	3rd Year	G
180104013	ROMIT GUPTA	BTEE	3rd Year	G
180103020	RAHUL RAJ	BTECE	3rd Year	S
190103001	ARSH HASAN	BTECE	2nd Year	G
180104011	GAURAV RANA	BTEE	3rd Year	G
180104010	RHYTHAM SHARMA	BTEE	3rd Year	G
180103022	VANSHIKA SHUBHAM	BTECE	3rd Year	S
180104014	SHEFALY GUPTA	BTEE	3rd Year	S
180103007	ANCHAL BISHT	BTECE	3rd Year	G
190103902	ANSHUMAN DIMRI	BTECE	3rd Year	G
180103017	ASHUTOSH SINGH	BTECE	3rd Year	S
180103005	SHYVANSHU MEHRA	BTECE	3rd Year	G
180104004	AYUSHI CHAMOLI	BTEE	3rd Year	G
180103004	YOGENDRA SINGH RAWAT	BTECE	3rd Year	S
180103021	DRISHYA CHAUHAN	BTECE	3rd Year	S
180103003	VISHNU B PILLAI	BTECE	3rd Year	G
180103013	PRANKUL BISHT	BTECE	3rd Year	G
190104900	PRATIK KUMAR	BTEE	3rd Year	S
180103014	ASTHA AGARWAL	BTECE	3rd Year	S
190103014	MAANSI ASTHANA	BTECE	2nd Year	S
180103001	KUSH GAUR	BTECE	3rd Year	S
180104012	SOMYA MATHUR	BTEE	3rd Year	S
180103011	UDAY KUMAR SINGH	BTECE	3rd Year	S
190103008	AYUSH NEGI	BTECE	2nd Year	S

180104009	MUGUNDHAN NALLATHAMBI	BTEE	3rd Year	G
180103015	AYUSH DUBEY	BTECE	3rd Year	S
180103009	ISHIKA JAIN	BTECE	3rd Year	S
180104003	MANSI GUPTA	BTEE	3rd Year	G
180103008	ISKAND GAUR	BTECE	3rd Year	G
180104007	RASHI KUMARI	BTEE	3rd Year	S
190103010	KARTIK G PANWAR	BTECE	2nd Year	G
180103010	MITAKSHA AGGARWAL	BTECE	3rd Year	G
180104016	ABHINAV CHANDEL	BTEE	3rd Year	G
190104906	AYUSH SINGH	BTEE	3rd Year	S
180103006	MAINAK KAR	BTECE	3rd Year	S
180104001	DIVYAM SHARMA	BTEE	3rd Year	G
190104908	DEVARTH SHARMA	BTEE	3rd Year	G
190104001	SAURAV .	BTEE	2nd Year	S
190103013	ACHINTYA SINGH	BTECE	2nd Year	G
190103006	ANKIT PUROHIT	BTECE	2nd Year	G
190101030	ABHISHEK NEGI	BTECE	2nd Year	S
190104002	BHAVYA PANDEY	BTEE	2nd Year	S
190104008	SHAURYA KUMAR GAURAV	BTEE	2nd Year	G
190103009	ABHIJEET SHAH	BTECE	2nd Year	G
180104005	BIBHAKAR KUMAR SINGH	BTEE	3rd Year	S
190104003	MONIKA BHANDARI	BTEE	2nd Year	S
190103012	DISHA KAKKAR	BTECE	2nd Year	S
180104002	MOHD AMAAN HAIDER	BTEE	3rd Year	S
180103016	KISHAN KUMAR	BTECE	3rd Year	P
190104006	ABHISHEK SAXENA	BTEE	2nd Year	S
190103003	RISHABH KUMAR	BTECE	2nd Year	S
190104004	HARSHITA CHADDHA	BTEE	2nd Year	G
190103005	KASHISH KUMARI	BTECE	2nd Year	S
180104008	ADITYA PUNDIR	BTEE	3rd Year	S
190104007	AGRIM SAINI	BTEE	2nd Year	G
190103007	ABHINAV KUMAR	BTECE	2nd Year	G
190103004	PRIYA BAHUGUNA	BTECE	2nd Year	S
190104005	SHUBHAM SHARMA	BTEE	2nd Year	G
190103002	RITIK KUMAR	BTECE	2nd Year	G

Submitted

Head-CDC
Career Development Cell
DIT University, Deh

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DIT University, Dehradun