

WEBINAR
on
Interfacing of I/O Devices through Microcontroller using Proteus Simulator

Objectives:

- 1.To pursue advanced skills in **Proteus Simulator**.
- 2.To equip under graduate students with the applications of **Microcontroller**.

Outcomes:

1. Application of concept of microcontroller to the practical problems.
2. Illustration of the application of microcontroller devices other than LEDs.

Write Up:

The Department of Physics has organized a **Webinar on Interfacing of I/O Devices through Microcontroller using Proteus Simulator** on 14th July, 2021 to enhance the perception levels of the students about importance of Interfacing of I/O Devices through Microcontroller using Proteus Simulator.

Resource Person: Dr. V. Mahammad Dada
Co-Ordinator, Assistant Professor
Dept. of Electronics and Communication
Rayalaseema University, Kurnool.

No. of Participants: 100

Documents for Event:

1) Permission letter

From

07 July, 2021

Dr. K. S. R. Chandra Sekhar
Head of the Department.
Department of Physics,
St. Joseph's Degree College,
Kurnool.

To

The Director
IQAC
St. Joseph's Degree College,
Kurnool.

Subject: Requesting to conduct Webinar on Interfacing of I/O devices through 8051 microcontroller using Proteus Simulator

Respected Sir,

With the subject cited above I bring to your kind notice that, the Department of Physics conducting Webinar on **Interfacing of I/O devices through 8051 microcontroller using Proteus Simulator** on 14 July, 2021 at 4:00 pm to 5:00pm. Therefore, I request you to grant the permission to conduct webinar.

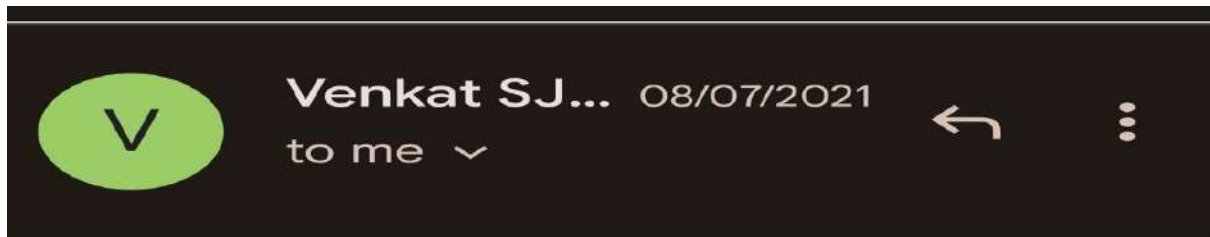
Thank You Sir,

Yours faithfully



(K.S.R CHANDRASEKHAR RAO)

Acceptance letter:



Dear Sir,

A very good afternoon to you. Received a proposal for conduction of Webinar on Interfacing I/O devices through 8051 microcontroller using Proteus Simulator.

Go ahead with the arrangements and submit the report as soon as the webinar is over.

With Regarfds
Dr C V Satyanarayana
SJCQAC Coordinator

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2) Brochure:



St. Joseph's Degree College
Sunkesula Road, Kurnool
(Affiliated to Rayalaseema University, Kurnool, A.P)

A WEBINAR

on

**INTERFACING OF I/O DEVICES THROUGH
MICROCONTROLLER USING PROTEUS SIMULATOR.**

Date: 14 - Jul - 2021, Time: 4.00 p.m. - 5.00 p.m.

Organized by

DEPARTMENT of PHYSICS

St. Joseph's Degree College
Kurnool.

Resource Person

Dr. V. MAHAMMAD DADA
Assistant professor and Coordinator
Department of Electronics and Communications
Rayalaseema University
Kurnool.

Online Platform:



Chief Patrons

Dr. K SHANTHA
PRINCIPAL
St. Joseph's Degree College, Kurnool.

Dr. C. V. SATYANARAYANA
VICE - PRINCIPAL
St. Joseph's Degree College, Kurnool.

Webinar Convenor

Dr. K. S. R. CHANDRASEKHAR RAO
HEAD, Dept of Physics

Webinar Objective:

1. To pursue advanced skills in **PROTEUS STIMULATION**
2. To equip Under Graduate students with the application of Micro controller.

Webinar Outcomes:

1. Application of the concept of microcontroller to the practical problems.
2. Illustration of the application of microcontroller to devices other than LEDs.

NO REGISTRATION FEE

Registration Link:

<https://forms.gle/sBJJcW24JrNkHJ7r6>

Event Photos:

8051.pptx - Microsoft PowerPoint

Content

- 1) introduction
- 2) Diff b/w MP MC
- 3) Internal Architecture of MC
- 4) Instructions and addressing modes
- 5) Tools for development (IDEs)
- 6) Minimum Hardware
- 7) Interfacing Need
- 8) Applications

Click to add notes

zoom

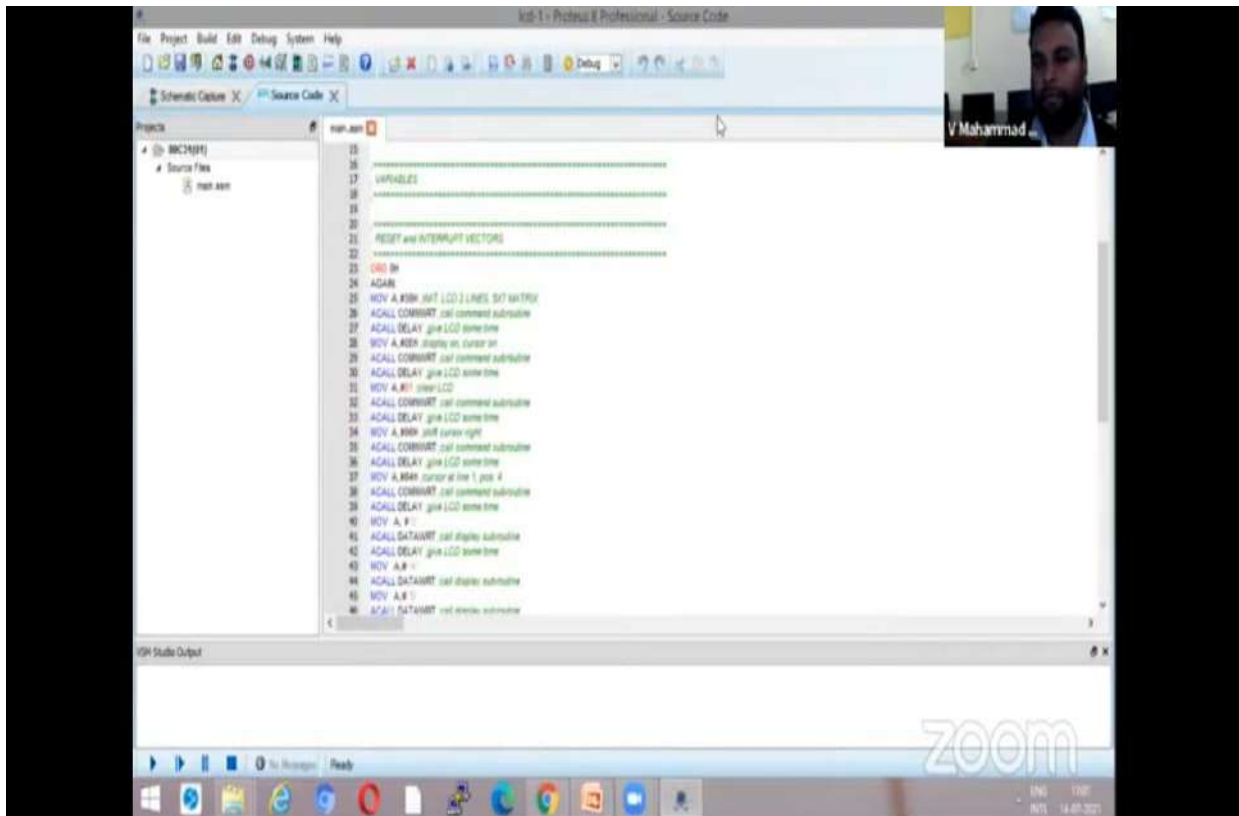
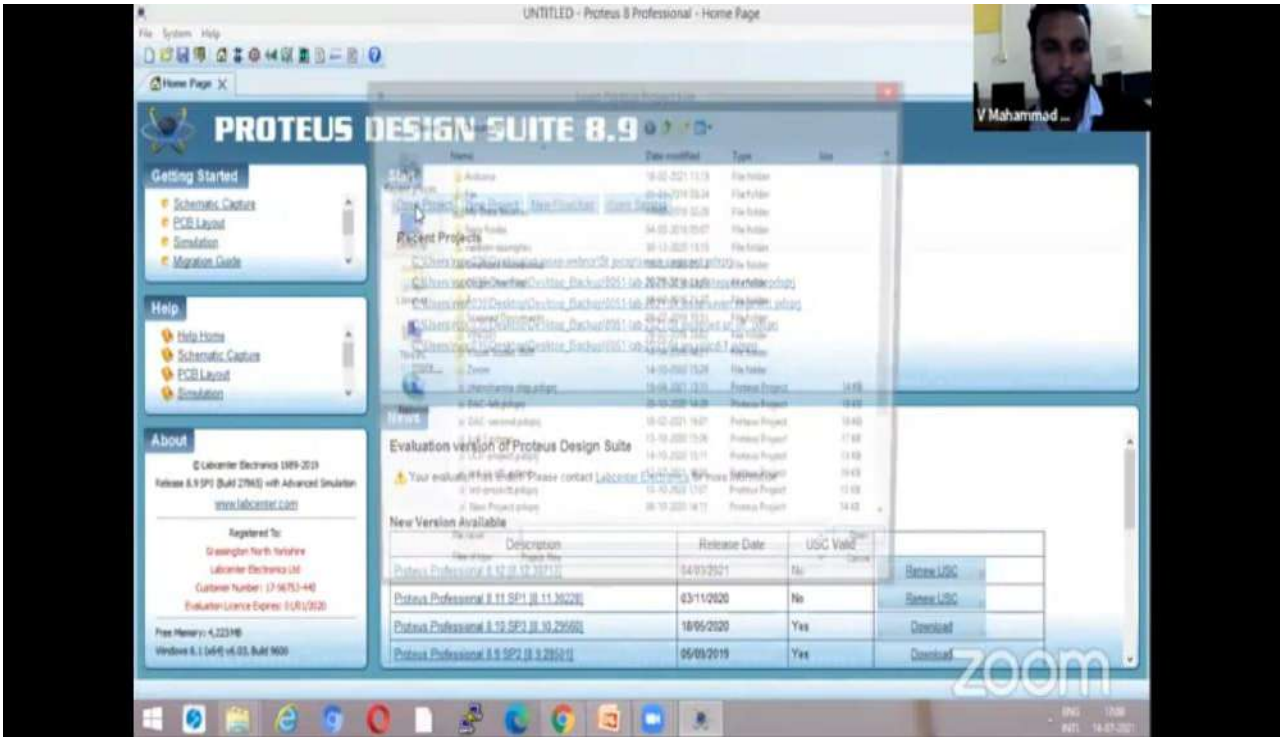
8051.pptx - Microsoft PowerPoint

MINIMUM CIRCUIT

<http://www.micro-digital.net>

Click to add notes

zoom



Conclusion:

- 1) Students acquired the knowledge of Microcontroller and its applications in solving the practiced problems.
- 2) Students gained more knowledge about the memory mapping of I/O and Pheripheral devices.