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SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

(Sponsored by Sri Vasavi Educational Society)
(Approved by **AICTE**, New Delhi & Recognized by **UGC** under section **2(f) & 12(B)**)
(Permanently affiliated to JNTUK, Kakinada, Accredited by **NBA** and **NAAC** with '**A**' Grade)
Pedatadepalli, **TADEPALLIGUDEM – 534 101.**W.G.Dist**. (A.P)**

Department of Electronics and Communication Engineering

Skill Oriented Program on

"Basic Digital Circuit Design with VHDL and QuestaSim Tool"

Report of the Program

In our ECE Department, The SPACE Club has organized **One week Skill Oriented Program on " "Basic Digital Circuit Design with VHDL and QuestaSim Tool"** under the Scheme of SPICES, Sponsored by AICTE, New Delhi. This program was conducted during 27th MAR to 1st APR-2023.

In this program, Total 70 Members were participated as teams. The Team Size may consist of 4 to 5 students. Likewise Total 14 Teams were Formed.

Course Description:

Digital Circuit Design with VHDL and QuestaSim is a course designed to provide students with a comprehensive understanding of digital circuit design principles and techniques using VHDL and QuestaSim. The course covers the basics of digital circuits, VHDL syntax and data types, and behavioral modeling with VHDL. Students will learn how to design, simulate, and analyze combinational and sequential circuits using QuestaSim.

Day 1: Introduction to Digital Circuit

- Introduction to digital circuit design
- Overview of digital circuits and their applications
- Overview of VHDL and QuestaSim
- VHDL syntax and data types
- Behavioral modeling with VHDL
- Creation of a basic project in QuestaSim

Day 2: Combinational Circuit Design and Simulation

- Combinational circuit design principles
- VHDL modeling of combinational circuits
- Simulation of combinational circuits using QuestaSim
- Lab: Design and simulation of a simple combinational circuit

Day 3: Sequential Circuit Design and Simulation

- Sequential circuit design principles
- VHDL modeling of sequential circuits
- Simulation of sequential circuits using QuestaSim
- Lab: Design and simulation of a simple sequential circuit

Day 4: State Machine Design with VHDL and Simulation

- State machine design principles
- VHDL modeling of state machines
- Simulation of state machines using QuestaSim
- Lab: Design and simulation of a simple state machine
-
-

- **Day 5: Advanced Topics in Digital Circuit Design and Project Work**

- Using VHDL for control logic design
- Design optimization and performance analysis with QuestaSim
- Final project work, incorporating the topics covered in the previous days

Presentation of final project to the class

Day 6: Project Presentations and Wrap-Up

- Final project presentations by students
- Review of key concepts and topics covered throughout the course
- Open discussion and Q&A session
- Course evaluations and feedback

All the participants felt very happy and gave very good Feedback towards this Program.

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Total amount spent by the college towards this Program :

No. of Students Registered : 70

Registration Fee Per Head : Rs 215

Total amount paid to Trainers : Rs 15,000

Dr. E. Kusuma Kumari

Professor & HOD-ECE

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Department of Electronics and Communication Engineering

Date: 11-04-2023

To
The Principal,
Sri Vasavi Engineering College

Sub: Request to make a SOC Program Registration fee Rs.15000/- payment - Reg

Respected Sir,

This is to bring to you kind notice that one week SOC Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" was delivered by Mr. U. Uma Maheswara Rao, Research scholar, NIT, AP. for IV Semester ECE students organized by SPACE CLUB under the SPICES Scheme sponsored by AICTE during 27th March to 01st April 2023 . In this Program total 70 members were attended. Now I am requesting you to kindly instruct the concern authority to make an arrangement of Program Registration fee payment to the trainers as given below.

Number of Students attended : **70**

Each Student Registration fee: Rs. **215/-**

Total amount : **Rs. 15000/-**

The Bank account Details:

Ukyam Uma Maheswara Rao
State Bank of India, Vetapalem
33916556395
SBIN0003264

Head of the Department
11/4/2023.

Status Enquiry

UTR Number	IDIBH23103180559
Bank Name	STATE BANK OF INDIA
Branch Name	VETAPALEM BRANCH
IFSC Code	SBIN0003264
Debit Account Number	CA-7048324044
Beneficiary Account Number	33916556395
Transfer Amount	15000
Transfer Type	NEFT
Transfer Date	2023-04-13 16:38:58
Commission	5.61
Beneficiary Name	U UMA MAHESWARA RAO
Beneficiary Address1	VETAPALEM
Beneficiary Address2	
Beneficiary Address3	
Beneficiary Address4	
Status	PROCESSE

(Payment proof of trainer)


GPS Map Camera
Tadepalle, Andhra Pradesh, India
VF5V+9QH, Tadepalle, Andhra Pradesh 534101, India
Lat 16.858492°
Long 81.494363°
27/03/23 02:34 PM GMT +05:30
Google


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VF5V+9QH, Tadepalle, Andhra Pradesh 534101, India
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Tadepalle, Andhra Pradesh, India
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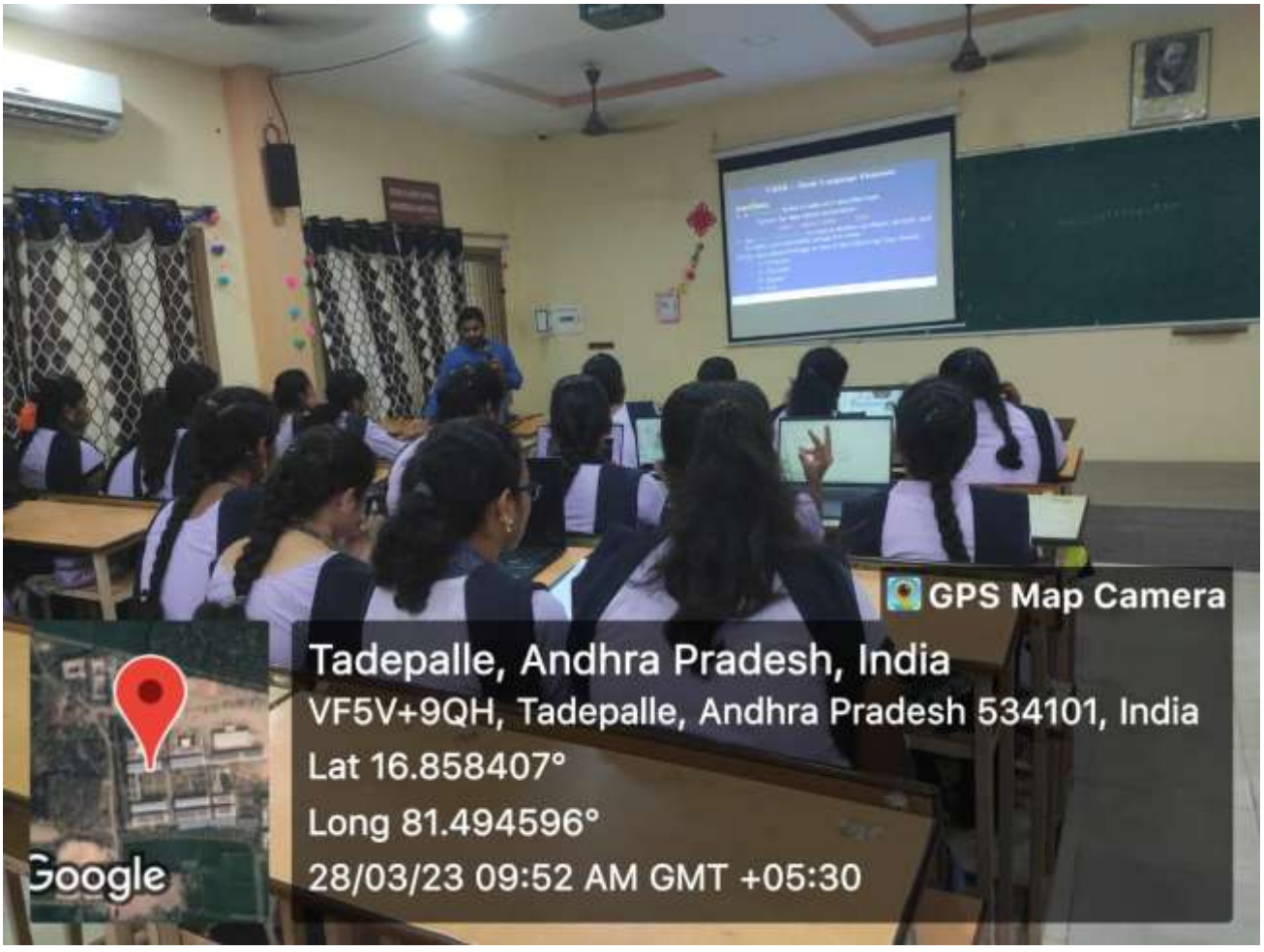
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Lat 16.858566°
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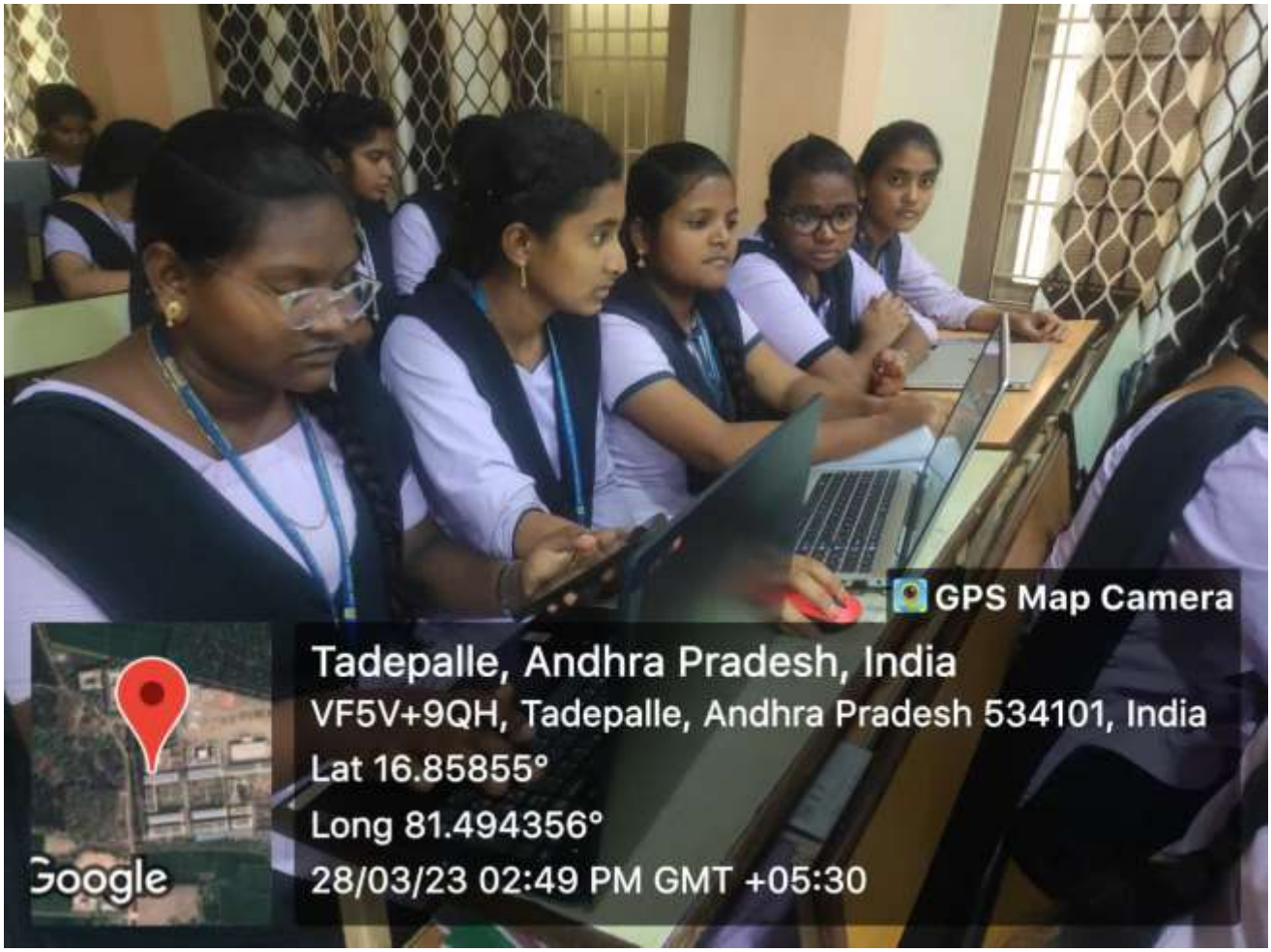
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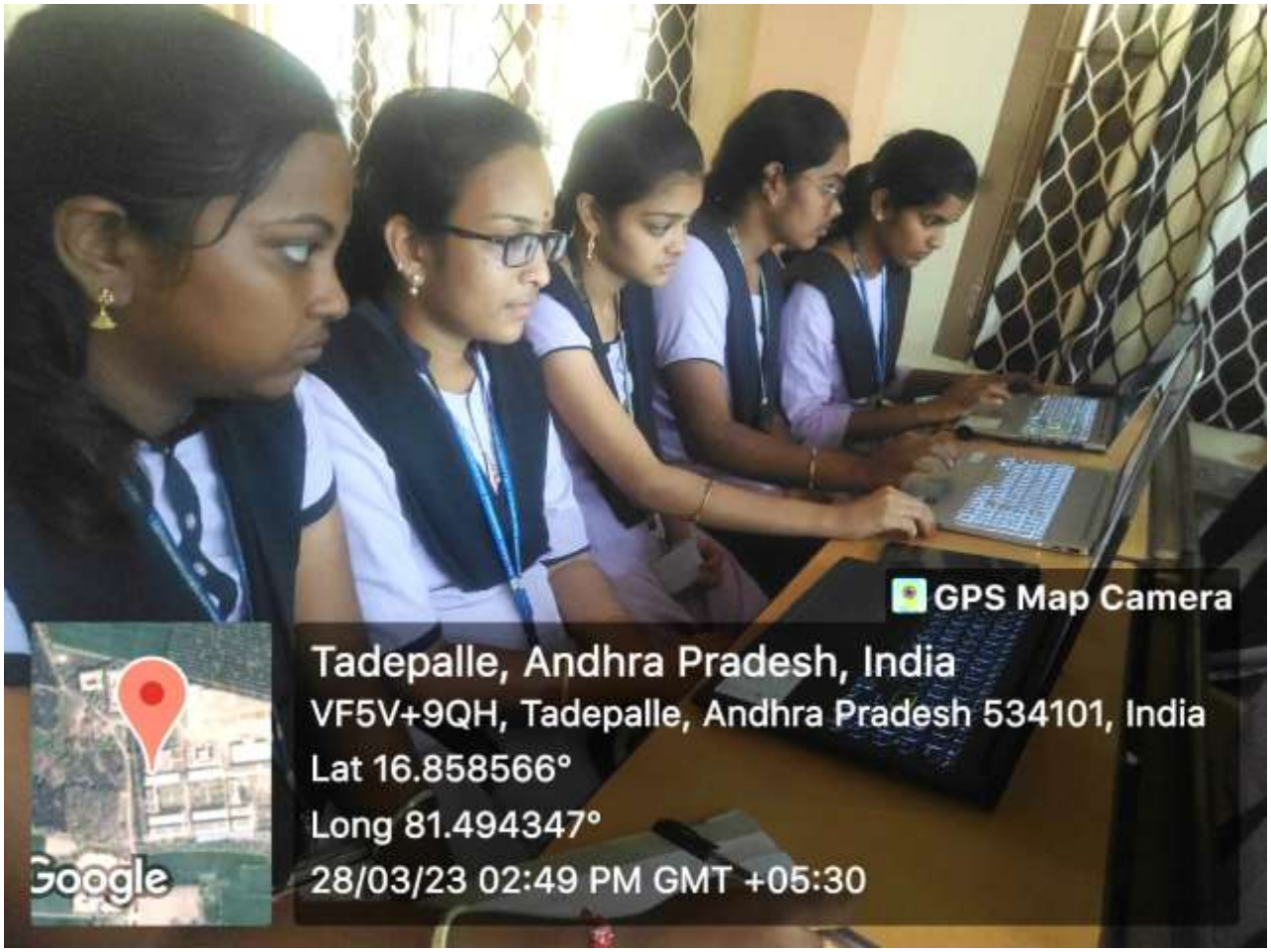
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Andhra Pradesh 534101, India
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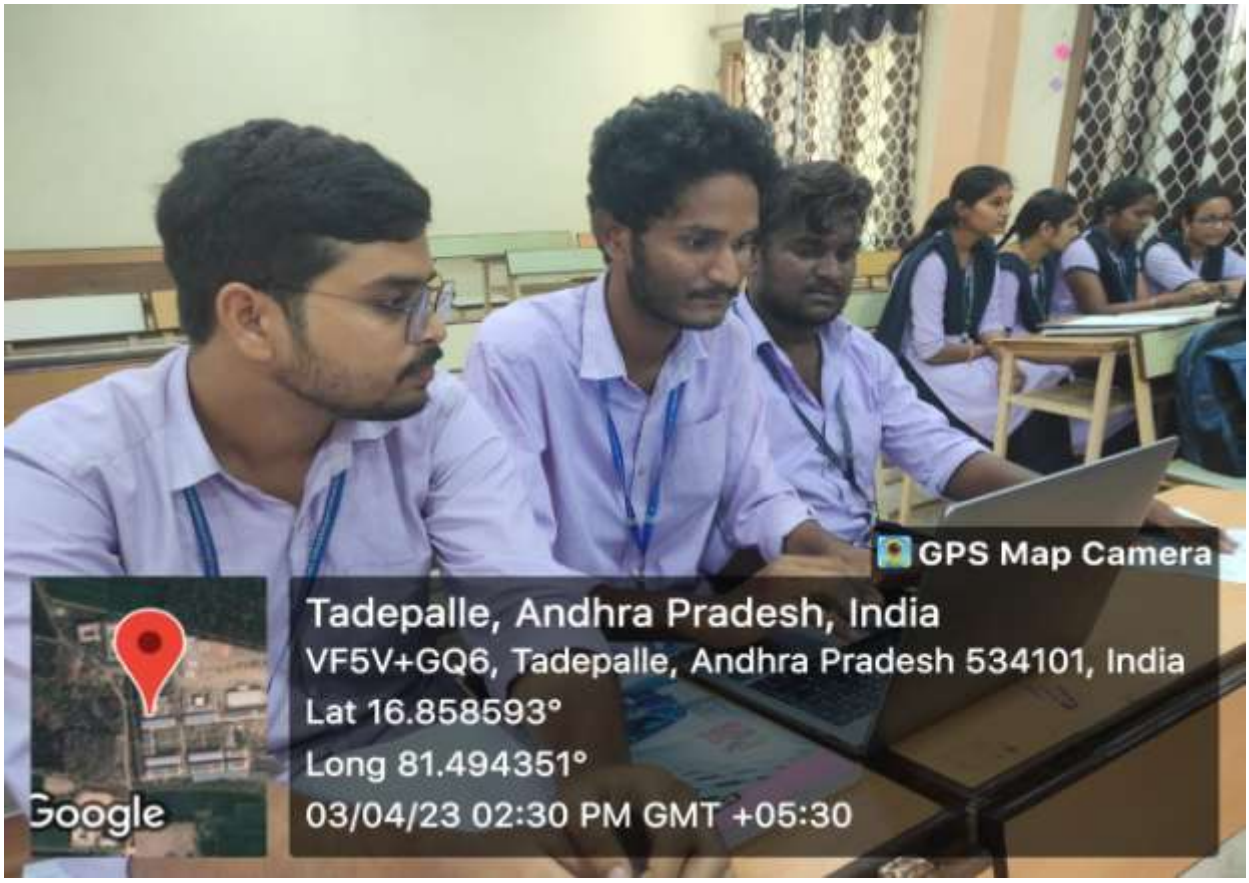
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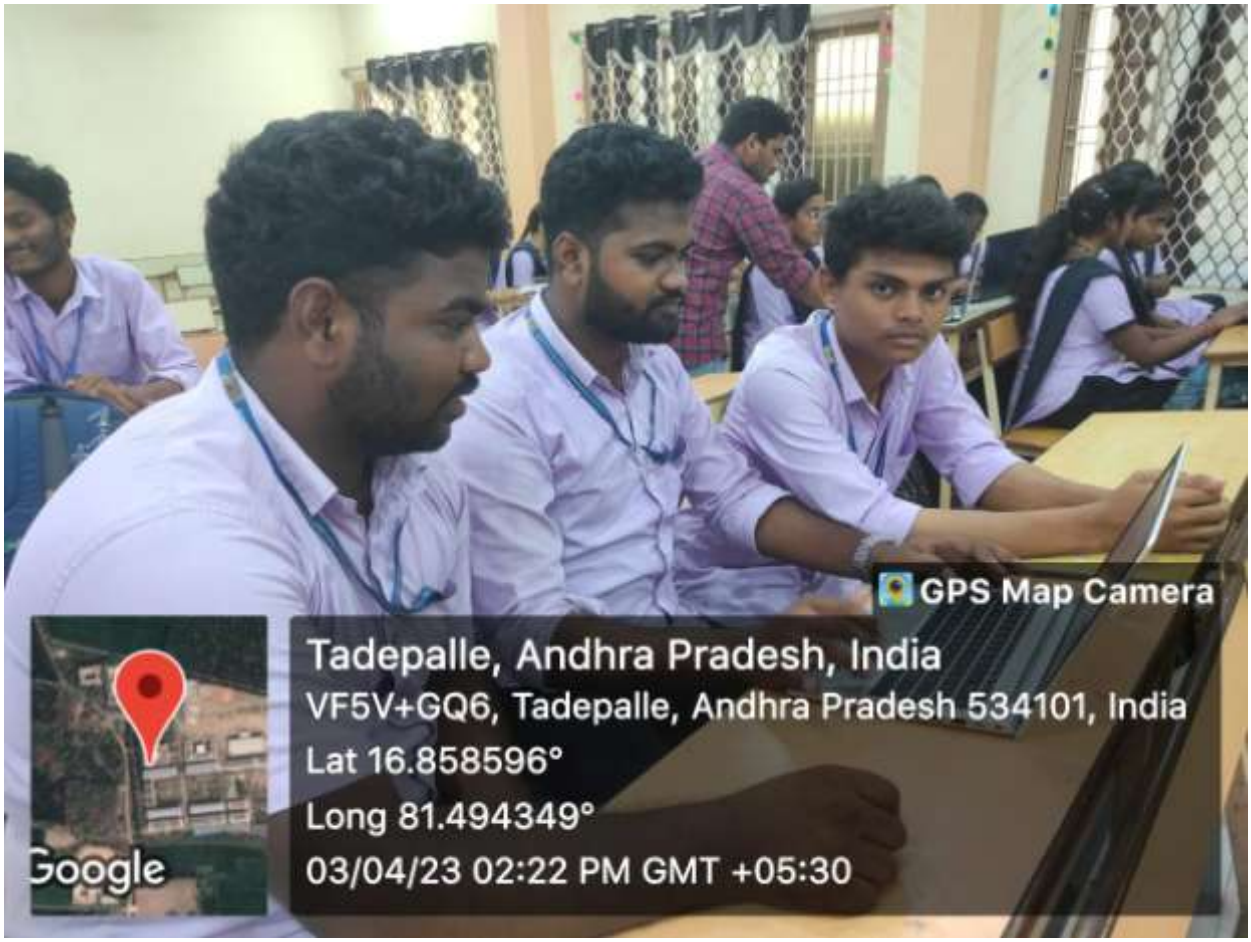
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GPS Map Camera
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Department of Electronics & Communication Engineering

PROGRAM EVALUATION FORM

Please fill out this form and return to the Department. This form is only used to evaluate the quality/value of the trainers.

Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College
Branch: ECE

Name of the Student & Reg. No: S.P.V.L. Gayathri & 22A85A0417

(1) The Trainers communicated at an appropriate level for the course. [3]

(2) The Trainers did a good job of relating course concepts to the real world. [2]

(3) The Trainers demonstrated a thorough knowledge of the subject. [3]

(4) The Trainers were well prepared. [3]

(5) The Trainers made the class valuable. [3]

(6) Overall, these Trainers were:

1	2	3	4
Average	**Good**	**Superior**	**Excellent**

Key take away points from this one week Program :
we learned how to design digital circuits using Questa-sim software.

Suggestions (if any):
The humble suggestion from us is to provide a system to each student with respective software so that everyone can learn the software efficiently

SPVLGayathri
Signature of the Student

Vision:
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Mission:
To create a learner centric environment that promotes the intellectual growth of the students.
To develop linkages with R & D organizations and educational institutions for excellence in teaching, learning and consultancy practices.
To build the student community with high ethical standards.

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

Name of the Student & Reg. No: Reddy Mohan Srikanth / 21A81A04I4

(1) The Trainers communicated at an appropriate level for the course. [3]

(2) The Trainers did a good job of relating course concepts to the real world. [4]

(3) The Trainers demonstrated a thorough knowledge of the subject. [3]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were: 4 ✓

1	2	3	4
Average	Good	Superior	Excellent

Key take away points from this one week Program :

I learned that how to design a logic gates using VHDL. And I learned that testbench codes clearly for different ~~codes~~ gates

Suggestions (if any):

My opinion is that the program will continue for 2 more days to understood clearly.

R.M.Srikanth

Signature of the Student

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College
Branch: ECE

Name of the Student & Reg. No: G. pratap & 21A81A04F0.

(1) The Trainers communicated at an appropriate level for the course. [4]

(2) The Trainers did a good job of relating course concepts to the real world. [4]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	4
Average	Good	Superior	Excellent

Key take away points from this one week Program : → We learned to able to understand VHDL programme. and implemented programmes like 3x8, decoder, full adder etc.

Suggestions (if any): please — NO suggestions —

G. pratap
Signature of the Student

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

Name of the Student & Reg. No: CH.VAMSI, 21A81A04E0

(1) The Trainers communicated at an appropriate level for the course. [~~Yes~~] 4

(2) The Trainers did a good job of relating course concepts to the real world. [~~Yes~~ 4

(3) The Trainers demonstrated a thorough knowledge of the subject. [~~Yes~~ 4

(4) The Trainers were well prepared. [~~Yes~~] 4

(5) The Trainers made the class valuable. [~~Yes~~] 4

(6) Overall, these Trainers were: ✓

1	2	3	4
Average	**Good**	**Superior**	**Excellent**

Key take away points from this one week Program :

1. Learn to write own vhdl code & it's simulation
2. Learned codes on flipflops like D. & Test bench codes

Suggestions (if any):

ch.vamsi
Signature of the Student

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

P. Jaswanth Kumar

Name of the Student & Reg. No: 21A81A04H9

(1) The Trainers communicated at an appropriate level for the course. [2]

(2) The Trainers did a good job of relating course concepts to the real world. [3]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	4
Average	**Good**	**Superior**	**Excellent**

Key take away points from this one week Program :
test bench code, architecture Behavioral of counter, IEEE, VHDL, and How to design the VHDL.

Suggestions (if any):
better to give wifi, better to explain in particularly

P. Jaswanth Kumar

Signature of the Student

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College
Branch: ECE

Name of the Student & Reg. No: 21A81A04H2, P. Sapna.

(1) The Trainers communicated at an appropriate level for the course. [4]

(2) The Trainers did a good job of relating course concepts to the real world. [3]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	4 ✓
Average	**Good**	**Superior**	**Excellent**

Key take away points from this one week Program :
How to design logic gates. flip flops and knowing why we are using some keywords in the program

Suggestions (if any):

P. Sapna
Signature of the Student

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

Name of the Student & Reg. No: B.V. Karthikeya, M. Eswar Bharath. 21A81A04D9, G5

(1) The Trainers communicated at an appropriate level for the course. [4]

(2) The Trainers did a good job of relating course concepts to the real world. [3]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	4
Average	Good	Superior	Excellent ✓

Key take away points from this one week Program : How to design logic gates, FF's etc., and knowing why we are using keywords in coding. easily understanding how to write Test bench codes.

Suggestions (if any):

B.V. Karthikeya

Signature of the Student

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Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College
Branch: ECE

Name of the Student & Reg. No: 21-4D4, 4D8, 4E1, 4E3

(1) The Trainers communicated at an appropriate level for the course. [3]

(2) The Trainers did a good job of relating course concepts to the real world. [4]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [3]

(6) Overall, these Trainers were:

1	2	3	4
Average	Good	Superior ✓	Excellent

Key take away points from this one week Program :
→ It is a good course for learning
→ we felt that, it's a useful course and enjoyed it while learning

Suggestions (if any): If the programme could be continued for few more days. we will learn more

Signature of the Student

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Pedatadepalli, **TADEPALLIGUDEM – 534 101.**W.G.Dist. **(A.P)**
Department of Electronics & Communication Engineering

PROGRAM EVALUATION FORM

Please fill out this form and return to the Department. This form is only used to evaluate the quality/value of the trainers.

Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College
Branch: ECE

Name of the Student & Reg. No: M·Meghana 21A81A04G7

(1) The Trainers communicated at an appropriate level for the course. [3]

(2) The Trainers did a good job of relating course concepts to the real world. [3]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	4
Average	**Good**	**Superior** ✓	**Excellent**

Key take away points from this one week Program :
In this program we know about the VHDL using Questasim tool and we perform operations on logic gates, Flipflops, Mux, Decoder, Register

Suggestions (if any): NO

M·Meghana
Signature of the Student

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PROGRAM EVALUATION FORM

Please fill out this form and return to the Department. This form is only used to evaluate the quality/value of the trainers.

Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

Name of the Student & Reg. No: M.Sailaja , 21A81A04G3

(1) The Trainers communicated at an appropriate level for the course. [Yes] 4

(2) The Trainers did a good job of relating course concepts to the real world. [Yes] 4

(3) The Trainers demonstrated a thorough knowledge of the subject. [Yes] 3

(4) The Trainers were well prepared. [Yes] 4

(5) The Trainers made the class valuable. [Yes] 3

(6) Overall, these Trainers were:

1	2	3 ✓	4
Average	Good	Superior	Excellent

Key take away points from this one week Program :

In this program we learn about VHDL programing and how to write an VHDL code & test bench code. and also I learn how to use questasim software.

Suggestions (if any):

No suggestions.

M. Sailaja.
Signature of the Student

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PROGRAM EVALUATION FORM

Please fill out this form and return to the Department. This form is only used to evaluate the quality/value of the trainers.

Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

Name of the Student & Reg. No: K.S.T.N. Anjali [21A81A04F7] & N. Kavyasri [21A81A04G8]

(1) The Trainers communicated at an appropriate level for the course. [4]

(2) The Trainers did a good job of relating course concepts to the real world. [4]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	4 ✓
Average	**Good**	**Superior**	**Excellent**

Key take away points from this one week Program :

We learned how to write VHDL code by using the questasim tool

Suggestions (if any):

K. Anjali; N. Kavya

Signature of the Student

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PROGRAM EVALUATION FORM

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College
Branch: ECE

Name of the Student & Reg. No: P. likhitha [21A81A04H9], SN.P.Vijayalakshmi [4I6], S. Sirisha [4I8]

(1) The Trainers communicated at an appropriate level for the course. [✓]

(2) The Trainers did a good job of relating course concepts to the real world. [✓]

(3) The Trainers demonstrated a thorough knowledge of the subject. [✓]

(4) The Trainers were well prepared. [✓]

(5) The Trainers made the class valuable. [93]

(6) Overall, these Trainers were:

1	2	3	4
Average	Good	Superior	Excellent

Key take away points from this one week Program :
we have learned few more things about VHDL codings we got some idea about questasimsoftware.

Suggestions (if any):
—

Signature of the Student

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PROGRAM EVALUATION FORM

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

Name of the Student & Reg. No: G. L. Sowjanya[21A81A04E8] & S.Vijaya[21A81A04J3]

(1) The Trainers communicated at an appropriate level for the course. [4]

(2) The Trainers did a good job of relating course concepts to the real world. [4]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	(4)
Average	Good	Superior	Excellent

Key take away points from this one week Program :
We learnt how to write VHDL code & how to stimulate it.

Suggestions (if any): —

Sowjanya , Vijaya

Signature of the Student

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PROGRAM EVALUATION FORM

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College
Branch: ECE

Name of the Student & Reg. No: P. Asritha, 21A81A04H5

(1) The Trainers communicated at an appropriate level for the course. [4]

(2) The Trainers did a good job of relating course concepts to the real world. [4]

(3) The Trainers demonstrated a thorough knowledge of the subject. [4]

(4) The Trainers were well prepared. [4]

(5) The Trainers made the class valuable. [4]

(6) Overall, these Trainers were:

1	2	3	4 ✓
Average	Good	Superior	Excellent

Key take away points from this one week Program :
Got a brief understanding on implementing and to write a VHDL code.

Suggestions (if any):

P. Asritha.
Signature of the Student

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Trainer Name: Mr. U. Uma Maheswara Rao, Research Scholar, NIT, AP

Skill Oriented Program Name: Basic Digital Circuit Design with VHDL and QuestaSim Tool

Date & Time: 27-03-2023 to 01-04-2023

Name of the Organisation: Sri Vasavi Engineering College

Branch: ECE

Name of the Student & Reg. No: P. Likhitha [21A81A04H9], SN.P.Vijayalakshmi [4I6], S. Sirisha [4I8]

(1) The Trainers communicated at an appropriate level for the course. [✓]

(2) The Trainers did a good job of relating course concepts to the real world. [✓]

(3) The Trainers demonstrated a thorough knowledge of the subject. [✓]

(4) The Trainers were well prepared. [✓]

(5) The Trainers made the class valuable. [93]

(6) Overall, these Trainers were:

1	2	3	4
Average	Good	Superior	Excellent

Key take away points from this one week Program :

we have learned few more things about VHDL codings we got some idea about questasimsoftware.

Suggestions (if any): —

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Certification of Participation

This certificate is presented to Garapati Shanthi

studying II *year B.Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Rao
Trainer,
Research scholar, NIT, AP

E. Kusumakumari
HOD, ECE

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Certification of Participation

This certificate is presented to Satti Naga Padma Vijaya Lakshmi

studying II *year B.Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Rao
Trainer,
Research scholar, NIT, AP

E. Kusuma Kumari
HOD, ECE

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Certification of Participation

This certificate is presented to Sanku Chiru V.N.S.S vara Prasad

studying .....year B. Tech in .....branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE

U. Uma Mahesh Rao
Trainer,
Research scholar, NIT, AP

E. Kumar
HOD, ECE

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Certification of Participation

This certificate is presented to Penumala Ratnakumari

studying II *year B. Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Ram
Trainer,
Research scholar, NIT, AP

E. Kumakumari
HOD, ECE

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Certification of Participation

This certificate is presented to .....INTI UMESH.....

studying ....II.....*year B. Tech in* ..ECE.....*branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

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Research scholar, NIT, AP

E. Kumar
HOD, ECE

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This certificate is presented to Devara Sri Deepthi Sirisha

studying II *year B.Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Rao
Trainer,
Research scholar, NIT, AP

E. Kumarlaxmi
HOD, ECE

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Certification of Participation

This certificate is presented to Tirumala Vijay Kumar

studying II *year B.Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Rao
Trainer,
Research scholar, NIT, AP

E. Kumar
HOD, ECE

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Certification of Participation

This certificate is presented to Pampana Sasant

studying II *year B.Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Rao
Trainer,
Research scholar, NIT, AP

E. Kumar Raju
HOD, ECE

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Certification of Participation

This certificate is presented to Muppana Meghana

studying II *year B.Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Ram
Trainer,
Research scholar, NIT, AP

E. Kumari
HOD, ECE

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Certification of Participation

This certificate is presented to Marri Eswar Bharath

studying II *year B.Tech in* ECE *branch for active participation one week Skill Oriented Program on "Basic Digital Circuit Design with VHDL and QuestaSim Tool" conducted by Department of Electronics & Communication Engineering from 27-03-2023 to 01-04-2023 under Scheme for Promotion of Interests, Creativity & Ethics among Students (SPICES), sponsored by AICTE*

U. Uma Mahesh Rao
Trainer,
Research scholar, NIT, AP

E. Kusuma Kumari
HOD, ECE