



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(UGC AUTONOMOUS)
(Affiliated to AU, Approved by AICTE & Accredited by NBA and NAAC with A grade)
Sangivalasa-531162, Bheemunipatnam Mandal, Visakhapatnam Dt.
Phone: 08933- 225084,226395

Date: 20.05.2020

CIRCULAR

The Department of ECE is glad to inform you that we are going organize an online Two Days online workshop on "EMBEDDED SYSTEM DESIGN on 8-bit MICROCONTROLLER USING KEIL (IDE)" during 29th to 30th May 2020. Interested faculty and students can register using the following registration link. And we request you all to circulate the brochure among your academic/industry collaborators.

Link for registration: <https://forms.gle/3vQptnp3i1FdQCP46>

Prof. Dr. V. Rajyalakshmi

Convener and Head of ECE

Head of the Department
Department of E C E
Anil Neerukonda Institute of Technology & Sciences
Sangivalasa-531 162

Attachment:

FDP brochure

ABOUT ANITS

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (ANITS) was founded by Dr. N. B. R. Prasad, an NRI Philanthropist from USA and Sri V. Thapovardhan, an industrialist, in memory of Late Anil Neerukonda, son of the Chairman Dr. N. B. R. Prasad. Its humble journey started in 2001 with an intake of 220 students into four undergraduate B.Tech programs. Within 14 years of its establishment, the institute has registered phenomenal growth and has been accredited by NAAC with 'A' and by NBA for the third time. It has been accorded the status of "Centre for Research" for guiding PhD scholars and permanently affiliated to Andhra University. It has achieved autonomous status in 2015. Further, the institute has been currently ranked as 4th among the private engineering colleges in A.P by APSCHE. It has also been recognized as "Centre for Excellence" by Infosys.

ABOUT THE DEPARTMENT OF ECE

The Department of Electronics and Communication Engineering, established during the academic year 2001-02 with UG program, had an initial intake of 60 and the intake was increased to 180 in the year 2014. M.Tech program (PG) in Communication Systems with an intake of 18 commenced from 2011-2012. The UG program has been accredited twice by NBA. The department has national and international affiliations with professional bodies like IETE, IEEE, etc. The department has highly qualified and experienced faculty with specializations in Wireless & Mobile Communications, Signal Processing, Radar & Microwave Engineering, EMI/ EMC, Antennas, Microelectronics & VLSI Design, Image Processing & Computer Vision, Electronic Instrumentation, Digital Electronics, Embedded systems

Workshop Objective

This workshop strives to open a portal towards the world of microcontrollers through one of the first ones to grace the market. The Intel masterpiece accelerated the use of microcontrollers in embedded systems all over the world and is an inevitable step in understanding the basics of what constitutes a microcontroller. This course is designed to pave the way for better understanding of the 8-bit Microcontroller thereby leading to a sound base in microcontrollers. Focus is primarily allotted to discussion and hands-on training on on-chip peripherals of 8-bit Microcontroller.

Workshop Contents

- General Discussion & Overview of Embedded Systems
- 8-bit Microcontroller: Architecture & Pin Diagram
- Introduction to KEIL Cross-Compiler & its features
- Mapping 8-bit Microcontroller Architecture to Embedded C
- Timer, Interrupts & Serial Programming Techniques

Registration Form

Fill online registration form at

<https://forms.gle/3vQptnp3i1FdQCP46>

Two days online Workshop on

EMBEDDED SYSTEM DESIGN on 8-bit MICROCONTROLLER USING KEIL (IDE)

29.05.2020 & 30.05.2020

Timings: 9.30AM to 12.30AM

E-Certificates will be provided



FREE live Hands-on Training

Organized by

Department of Electronics & Communication Engineering

In Association with IEEE Student Branch, VIZAG Bay Sub Section

Convener

Dr. V. Rajya Lakshmi,

Prof & HOD, ECE

ANIL NEERUKONDA

INSTITUTE OF TECHNOLOGY AND SCIENCES

Approved by AICTE, Permanently affiliated to AU, Accredited & Reaccredited by NBA and Accredited by NAAC with "A" Grade (Sangivalasa, Bheemunipatnam (Md), Visakhapatnam-531162)

Coordinators: Mr.N.Ramkumar, Asst.Prof/ECE

Dr.P.Murugapandiyam, Asso.Prof/ECE

Mobile: 9894791355

E-Mail: ramkumar.ece@anits.edu.in
ramkumarbeece@gmail.com

Two days online Workshop on “EMBEDDED SYSTEM DESIGN on 8-bit MICROCONTROLLER USING KEIL (IDE)” from 29.05.2020 & 30.05.2020



Organized by ECE Dept., ANITS


Two days online Workshop on “EMBEDDED SYSTEM DESIGN on 8-bit MICROCONTROLLER USING KEIL (IDE)” was organized by the department of Electronics and Communication Engineering (ECE) for the Students and faculties from various colleges across the country. Mr.N.Ramkumar,Assistant Professor/ECE,ANITS acted as a resource person for both the days(29.05.2020 & 30.05.2020) .About 291 members registered out of which 128 members were participated and gained hands-on experience on Microcontroller and Embedded C Programming using KEIL(IDE) . The program was conducted through GoTo meeting online platform

Prof Dr. V.Rajyalakshmi,HOD/ECE was inaugurated the session and asked the feedback in the end of the session. Faculties and Students were given their valuable feedback orally.

After end of the session we have conducted Quiz and also received online feedback about the workshop. Few samples of feedback questions and participants feedback

1. What aspects of this course were most useful or valuable?
 - Hands-on sessions as well as the clear introduction.
 - The course has the explanation from basics even any other branch student who didnt have any idea about 8051 can understand these two days classes.. And even the app installation guidelines also given by the faculty
2. What was the interesting thing you have learned from this workshop?
 - Embedded systems and programming in the keil & proteous software
 - Learned about the 8051 programming and coding and I'm interested in the real time applications shown as examples by the faculty


Program Coordinators



HOD
Head of the Department
Department of E C E
Anil Neerukonda Institute of Technology & Sciences
Sangivalasa-531 162

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Handwritten date

Produced by the
B.O. of the
Board of Directors
of the
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ONLINE WORKSHOP REPORT

Two days online Workshop on “**EMBEDDED SYSTEM DESIGN on 8-bit MICROCONTROLLER USING KEIL (IDE)**” from 29.05.2020 & 30.05.2020

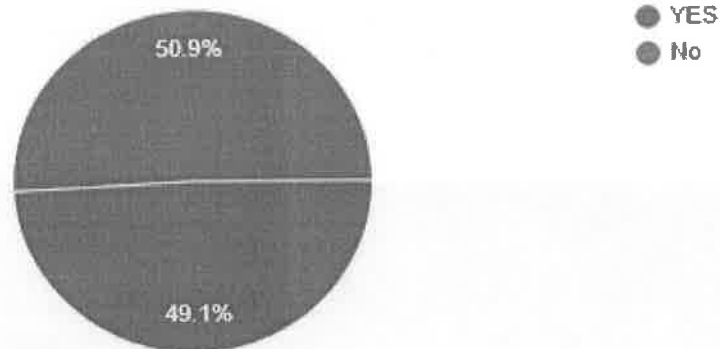
Academic Year: 2019-2020

Details of Faculties /students registered

Sl .no	No of students/Faculty registered	Registration FEE	No of students/Faculty Attended
1.	291	NIL	128

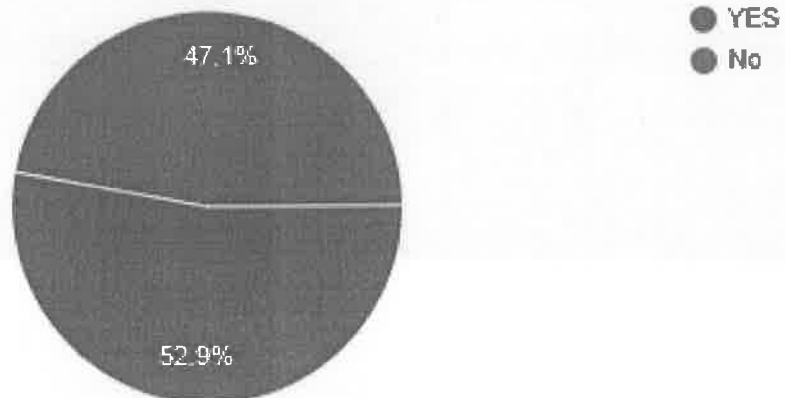
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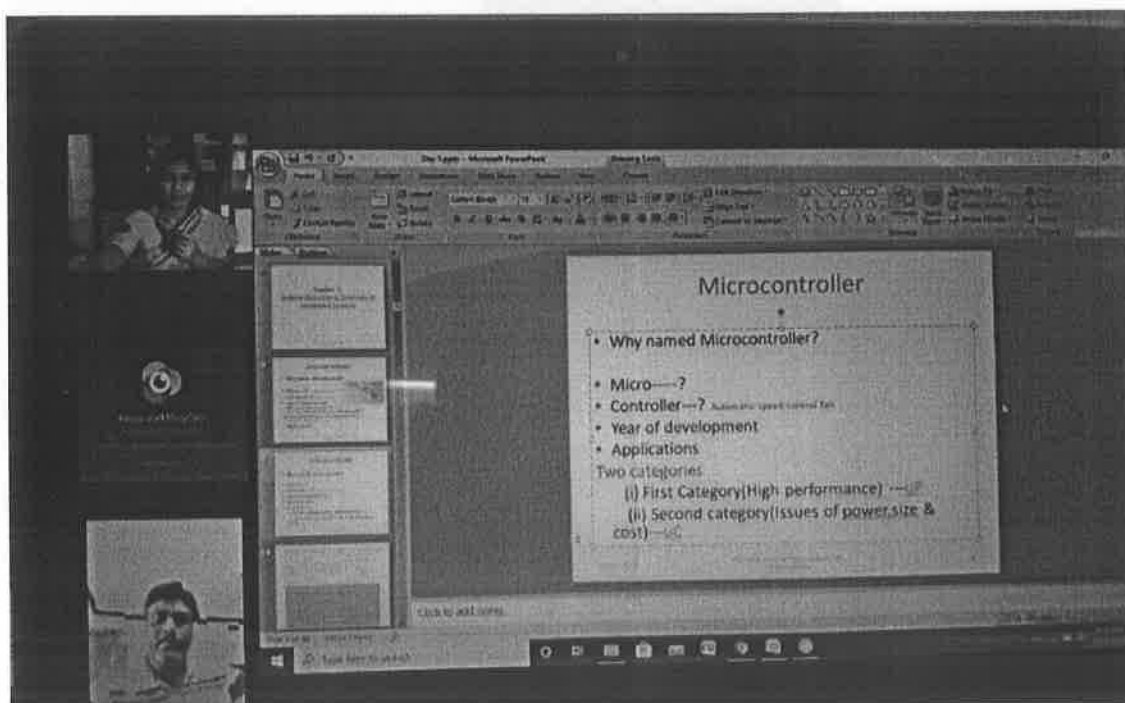
291 responses



Do you have prior knowledge of any 8-bit Microcontroller?

291 responses





Components of Embedded Systems

- Microcontrollers(Brain -CPU)
 - Integrated circuits its executes the program

Three main criteria for choosing a microcontroller is:

- Meeting the computing needs of the task efficiently and cost effectively.
- Availability of software development tools.
- Wide availability and reliable sources of the microcontrollers

Its need to be programmed

- Write programs in a C language
- Place the program in the microcontroller memory



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Day 2 Video

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 Phone: 08933- 225084,226395

List of participants attended for Two Days online workshop on “EMBEDDED SYSTEM DESIGN on
 8-bit MICROCONTROLLER USING KEIL (IDE)”

s.no	Name(To be printed in the Certificate)	College Name(To be printed in the Certificate)	Faculty/student
1	Viswanadham Ravuri	Shri Vishnu Engineering college for women	Faculty
2	GOWRU BHARATH KUMAR	Chalapathi institute of engineering and technology	Faculty
3	Dr.G.Ramesh Babu	Raghu Engineering College	Faculty
4	Dudi pushpanjali	Pydah college of engineering and technology	Student
5	Baratam Santhosh kumar	ANIL NEERUKONDA INSTITUTE OF TECHUKO AND SCIENCE	Student
6	Boddeda teja	Pydha collage of engineering and technology	Student
7	Ravi Gorli	Anil Neerukonda Institute of Technology & Sciences	Faculty
8	Pushpanjali dudi	Pydah college of engineering and technology	Student
9	Pushpanjali dudi	Pydah college of engineering and technology	Student
10	UPPULURI DEEPTHI	PYDAH COLLEGE OF ENGINEERING AND TECHNOLOGY	Student
11	SUNILKUMAR AKANA	ANITS NEERUKONDA INSTITUTE OF TECHNOLOGY SCIENCES	Student
12	SHAIK JOHN SYDULU	Chalapathi Institute of Engineering and Technology	Faculty
13	GEDELA SUNIL KUMAR	Raghu engineering college	Faculty
14	Dr.V.Suresh	ANITS, Visakhapatnam,A.P.	Faculty
15	SAMUEL DAVID SODADASI	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
16	P KUSUMA VANI	Raghu Institute of Technology	Faculty
17	Damarasingu Venkata Sai Kalyan	Anil Neerukonda Institute of Technology & Sciences	Student
18	Ippilli Krishna Rao	Raghu College of Engineering	Faculty
19	SK.RUBEENA PYARI	Chalapathi institute of engineering and technology	Faculty
20	Vankala.Tirupathi Rao	Anil Neerukonda Institute of Technology and Sciences	Student
21	CH TEJASRI	Mallareddy Engineering College for Women	Faculty
22	Narne Srikanth	Chalapathi institute of engineering and technology	Faculty
23	P S Sreekar Karthik	Anil Neerukonda Institute of Technology	Student
24	SRI RAMALINGA GANESA PERUMAL. N	Government College of Engineering Srirangam, Trichy	Faculty
25	GANDHAM HARIKA	PYDAH COLLEGE OF ENGINEERING AND TECHNOLOGY	Student
26	KARPOORA SUNDARI K	K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY	Faculty
27	Udigala meghana	Anil neerukonda institute of science and technology	Student
28	N.Markandeya Gupta	Raghu Engineering College	Faculty
29	POTNURU NARAYANARAO	PYDAH COLLEGE OF ENGINEERING AND TECHNOLOGY	Faculty
30	Narayanarao Potnuru	Pydah college of engineering and technology	Faculty
31	Puvvada sree vera venkata sai	Pydah kaushik college of engineering and technology	Student
32	CH TEJASRI	Mallareddy Engineering College for Women	Faculty
33	ATTADA RUTWIK	Raghu Engineering College	Faculty
34	DADI MONICA SATYAVTHI	Raghu engineering college	Faculty

35	CHINTHAGADA NAVEEN KUMAR	RAGHU ENGINEERING COLLEGE	Faculty
36	Pappu Tejaswi	IIIT srikakulam	Faculty
37	Yerra Pavan Kumar	Anil Neerukonda Institute of Technology and Sciences	Student
38	MARADANA HARISH	RAGHU ENGINEERING COLLEGE AUTONOMOUS	Faculty
39	Sai Kiran Patro	Anil neerukonda institute of technology and sciences	Student
40	DEEPIKA PATIL	Malla reddy engineering college for women	Faculty
41	Chandra Sekhar K	Raghu Institute of Technology	Faculty
42	Shaik Hassireen	Anil Neerukonda Institute of Technology & Sciences	Student
43	Ch.k.maha lakshmi	Pydha college of engineering and technology	Student
44	HARISH KUMAR G	Mallareddy Engineering College For Women (AUTONOMOUS)	Faculty
45	Akash Kumar Gupta	Raghu Institute of Technology	Faculty
46	Eppili Sunil kumar	ANITS	Student
47	Varri Ramanamma	Anil neerukonda institute of technology and sciences	Student
48	SANGAM SURESH	RAGHU INSTITUTE OF TECHNOLOGY	Faculty
49	TEJASWE KORIVI	RAGHU ENGINEERING COLLEGE	Faculty
50	Nelli Kalyan Raghavendra Kumar Swamy	Pydah College of engineering and technology	Student
51	D.Anjali	Anil neerukonda institute of technology and science	Student
52	karri.RekhaMadhuri	Pydah college of engineering and technology	Student
53	DEEPIKA PATIL	Deepika patil	Faculty
54	GONDU ANURADHA	Pydah college of engineering and technology	Student
55	P.V.S.TEJA	Anil neerukonda institute of technology and sciences	Student
56	Nethala hemalatha	Pydah college of engineering	Student
57	Vangapandu lavanya	Pydah college of engineering and technology	Student
58	Talari Saikumari	Today college of engineering and technology	Student
59	Krovvidi Rajya Lakshmi pravallika	Anil neerukonda institute of technology and science	Student
60	Borra Lokesh	Anil Neerukonda Institute of Technology and Sciences	Student
61	Annamdevula Hari Siva Ganesh	Anil Neerukonda Institute of Technology and Sciences	Student
62	VILLA VIDYA SRI SAIKIRAN	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
63	Chodipalli Surya Keerthana	Pydah College Of Engineering And Technology	Student
64	Chiluvuri sri kavya	Pydah engineering and technology	Student
65	Ganesh Pappala	Anil neerukonda institute of technology and science	Student
66	Harshini Kandula	Anil Neerukonda Institute Of Technology And Sciences	Student
67	Chinta Suvarchala	Anil Neerukonda Institute of Technology and Sciences	Student
68	JAJJARA BHARGAV	CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	Faculty
69	J.v.l kavya	Anil neerukonda institute of technology and sciences	Student
70	Guvvala Bhavya Sri Pravallika	Anil Neerukonda Institute of Technology And Sciences	Student
71	ROHIT CHADUVULA	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
72	RAMISSETTY NAGA SAI NIKHIL	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
73	Mallemoggala Venkata Sairam	Anil Neerukonda Institute of technology and sciences	Student
74	Jagilinki Sarayu	Anil Neerukonda Institute of Technology and Sciences	Student

75	Routhu Aasha	Anil neerukonda institute of technology and sciences	Student
76	Guntreddi shanmukhi devi	Anilneerukonda institute of technology and sciences	Student
77	Ankitha Vidisha Hamsa	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES	Student
78	Rohit Boddeti	ANITS	Student
79	Roopa kothapalli	Raghu institute of technology	Faculty
80	AMY PRASANNA TELLA	Mallareddy engineering college for women	Faculty
81	Saladi.Ravi kumar	Anil neerukonda institute of technology	Student
82	Hemalatha nethala	Pydah college of engineering	Student
83	Rejeti Sharmila	Pydah college of engineering and technology	Student
84	Venneti venkata sai bharadhwaj	Pydah college of engineering and technology	Student
85	soma sekhar dasari	Anil neerukonda institutions of technologies	Student
86	Jayasri neerasa	Pydah college of engineering and technology	Student
87	Jaya charitha yendluri	Anil neerukonda institute of technology and sciences	Student
88	GUDISA PAVAN	Anil Neerukonda Institute of Technology and Sciences	Student
89	Marri .Deepthi Chinni Swaroopa	Anil neerukonda institute of technology and science	Student
90	Muttuluri ashok chowdhary	Pydha college of engineering	Student
91	Chintada Mani Vivek Sri Harsha	Anil Neerukonda Institute of Technology and Science	Student
92	BUDUMURU SAI SIVA HARSHA	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
93	soma sekhar dasari	Anil neerukonda institutions of technologies	Student
94	Appari Nayana Subha Jyothi	Anil Neerukonda Institute of Technology and Sciences	Student
95	Nuka Gayathri	Anil neerukonda institute of technology and sciences	Student
96	Moka.Vijaya Kumari	Anil Neerukonda institute of technology and sciences	Student
97	VAISHNAVI DARA	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
98	Gude Reshma	ANITS	Student
99	Boddu Venkata Gowthami Priya	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
100	Vaishnavi Lingala	Anil Neerukonda Institute of technology and sciences	Student
101	Kodi sandhya rani	Pydah college of engineering and technology	Student
102	Barla Bhanu prakash	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCE	Student
103	Sunkari sudheer	Anil neerukonda institute of technology and sciences	Student
104	MALLAJYOSYULA N Y S N MURTHY	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
105	Adigopula deva kalyan	Anil neerukonda institute of technology and science	Student
106	GUNJI VENKATA SUBBA RAO	teegala krishna reddy college of engineering and technology	Faculty
107	VANTAKULA SRAVANI	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
108	Mr. DHUPAM ARUN KUMAR	RAGHU INSTITUTE OF TECHNOLOGY (AUTONOMOUS),VISAKHAPATNAM	Faculty
109	Boda Hemalatha	Anil neerukonda institute of technology and sciences	Student
110	Takasi Kiranmayee	ANITS	Student
111	Damodara Satya Sushma	Anil Neerukonda Institute Of Technology And Sciences	Student
112	Kollati Pavani	Anil Neerukonda Institute Of Technology & Sciences	Student
113	D.BHASKAR RAO	Pydah college of engineering and technology	Faculty

114	Mohan Manoj Pentakota	ANITS ENGINEERING COLLEGE	Student
115	P.Hemanth Kumar	ANITS	Student
116	KARROTHU GANESH	Pydah college of engineering and technology	Student
117	B.Goutami	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student
118	Ms. KASI GEETHANJALI	RAGHU ENGINEERING COLLEGE	Faculty
119	Chodipalli Surya Keerthana	Pydah College Of Engineering And Technology	Student
120	Deepika maradana	anil neerukonda institute of technology and sciences	Student
121	sanaka balaji	anil neerukonda institute of technology and sciences	Student
122	Nollu Leela Venkat Madhav	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGIES AND SCIENCES	Student
123	Vaishnavi.p	Anil neerukonda institute of technology and sciences	Student
124	Kvnsn vinay	Pydah college of engineering&technology	Student
125	V Mounika	Pydah college of engineering and technology	Student
126	Sai Kiran Patro	Anil neerukonda institute of technology and sciences	Student
127	Mendadala sai swathi kamala	Pydah college of engineering and technology	Student
128	BUDUMURU SAI SIVA HARSHA	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	Student

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