



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (A)

(Approved by AICTE, Affillated to Andhra University& Accredited by NBA) Sangivalasa-531 162, BheemunipatnamMandal, Visakhapatnam Dt.

Phone Nos:08933 225083, 225084, 225087, 226131 Fax No 226395 e-mail: principal@anits.edu.in Website: www.anits.edu.in



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 24/01/2020

CIRCULAR

This is to inform all the 3/4 B.Tech II semester CSE Students that, a workshop has been arranged on "IoT USING MICROPYTHON". Hence all the interested students are suggested to attend the session and get benefited.

Note: 12 students per section

Resource person(s):

1. S. BOSU BABU, Asst Prof, CSE.

Venue:LAB-2

Date: 25/01/2020

Timings: 12:50 PM-03:20 PM

Co-ordinator CSI Student Branch t. of Computer Science and Engineering Anil Neerukonda Instituto o Technology and Sciences (Autonomous) Sangivalasa-531162, Bheemunipatnam Mandal,

Visakhapatnam Dist.

Coordinatorie

computer

Anii Neerakonda ins at of Technology & S - r -s

Sangivalasa, Visakhapatnani Dist.

cis to 3/4 clanes , NB

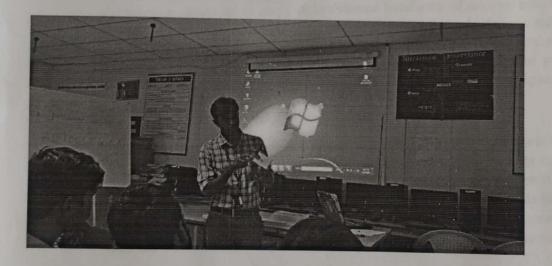
Workshop

Topic: IoT with Python

Speaker: Mr. S.Bosu Babu

Mr S.Bosu babu is working in ANITS as an assistant professor.

The session started with a brief introduction to IoT. He defined IoT as "system of inter-related computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. He then explained about the major components of IoT. The components are a device, gateway, cloud, analytics, user interface. He then introduced microcontrollers like Arduino, ESP8266, RaspberryPi and their hardware structure. He then explained the features of Python that makes it ideal to work with IoT. The features are easy to learn, speed, Library support, embeddable, extensible, interpreted, portable, free and open source, community supports.



Demonstration of bread board connections with LED

In this session, Mr.S.Bosu babu has addressed three modules. Firstly, Programming an LED with the help of Arduino. He gave brief introduction to the architecture of

Arduino kit and then constructed the circuit and made the students to code.

Head of the Department of

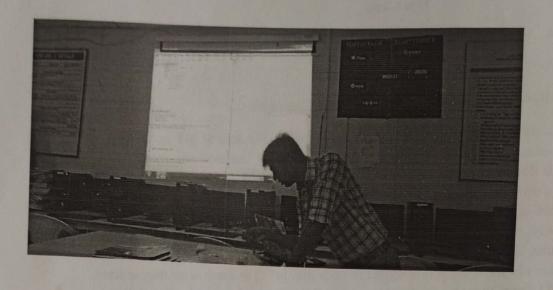
Head of the Department of

Comp. Her cience & Engineer of

Anni Nestukenda: Institute of

Anni Nestukenda: Nasakhapatnam Diar.

Gangivalasa.



Demonstration of sensor connected circuit

In the second module, he introduced sensors and its types. In his words, a sensor is a device that converts physical parameter like temperature, speed into a signal which can be measured electrically. Different types of sensors include temperature sensor, proximity sensor, light sensor, pressure sensor etc. He further explained the circuit used to program temperature sensor.

In the third module, he explained the operation of a button using servlet . Servlet is a small java program that runs within a web server. Servlets receive and respond to requests from web clients, usually across HTTP. He demonstrated the program using an android phone. He has connected the application in his phone with an LED device .As he presses the button in the application of his android phone. HTTP request was sent to server and java program was executed which thereby turned on the LED device.

Office Jeed of the Jeed of the contract of the

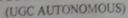


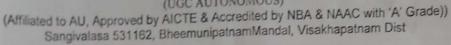
Vote of thanks from the audience

Further session continued with theoritical explanation of some other experiments and finished with a set of doubts from the audience.

Hoad of the Department of the Hoad of the Department of the Depart

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES







DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ATTENDANCE STATEMENT

Event Name: 10T workshop - I . T USING MICROPYTHON

Date: 24 | 01 | 2020

	-		-
Time:	12:50	to	3.20

Resource P	ersons: MT. J. Boly	Baby	Cimpture
SI.No	Roll No	Name of the Student	Signature
1	317126510116	V. Rishitha	VAID
2	318 126510 124	N. Krishna	000
3	317126510115	5. Gowtham	6)
4	317126510072	G. Pavan	A.S.
5	317126510076	G. Sai & Leela Swhm	a offin
6.	318426510616	Ch. Deekshith	Ck
7.	31712656088	K. Pavensekhar	Burn
8-	317126510118	V. Hishma Chaitanya	y- Kech-Charleny
9.	318126510L17	a. Sai Keemar	G. Sal Kumar
10	318126510147	7.3.3 proully	AM.
11	318126510139	G.Kirankunal	
12	318126510 LO8	a.Teja	chies.
	1		
	18 40 19 19		
	Marie Marie		
			MANUAL MA
			,
		Maria Maria	9
1		The state of the s	Suba Department

Head of the Depa Computer : cience & Engineering
Anul Regrukenda Institute of Technology & Solvaces

Sangivaiasa, Visakhapatuum Dist.

LOG REGISTER	
Name of the Faculty: No. C. Baschala	Date: 24 01 2020
Name of the Lab In-charge : Walk	Time: 12:00 to 3:20
Name of the Subject: TOT (1305K SWD)	Branch: CSE-3/10 Batch: 3/1
401 000	A.R.E

				PIBIC			
S.No.	REG.No	Name of the Student	SYS No	Time In	Time Out	Signature	
1	371126710088	1c. Pavan		1.00	3:20	Se. Povan	
2	317126510118	V. Shishna Chartanya		1:00	3:20	V Kijden Chastange	
3	318126510117			11:30	3:20	a Sai Kemer	
4	318126510116	Deekshith	- Barrier S	1:30	3:20	Deelshiff.	
5	317126510046			1:30	3120	G.S. I. Bashma	
6	317126510116	ViRishitha	7-1-1-1	1:30	3:20	Rish	
7	318126510124			1:30	3',20	krish	
8	318126510108	P	F. 1. 12 June 1	1:130	3:20	Ch. Teja	
9		KANTA PRAVEEN		1:30	3:20	An J	
10		G. Kiran Kumar	70000	1:30	3:20	trandon	
11		G. Pavan Kumar	La Track	1:30	3:20	gas	
12	31712651011	5 S. Gowtham Kumar	14 15 15 15	1:30	3:20	600	
13	List wall		1000000			27 121	
14.	. White &	and the state of the state of	1774	0000	1 1		
15	1						
16			1			160 160	
17		The state of the s	The second				
18					1550		
19				1000	BOY YOR		
20		1		100	0.4	i	
21		John			7	7	
22		Y			C	the Department of the Department of the Department of Engineer & Engineer of the Engineer of t	
23					Head of	Cience & Engine	
24				C	ompule.	L-ndd	
25					1,00	bnolog & Smeas bnolog & Smeas	
26					Sandiva	934.	
28							
29							
30			A Comment	1			
31		The second secon	The same of the sa			THE PERSON NAMED IN	
32		The state of the s	- Charles			MENU AND BEAU	
33	3	Company of the last of the las					
34	1	BUNK WHILE SERVICE					
35	5	191			11/11/11	1	