

Date: 05.01.2023

To,

The Principal,
SJC Institute of Technology,
Chickballapur-562101

Through,
Dr. B N Shobha,
HOD, Electronics & Communication Engineering,
SJC Institute of Technology,
Chickballapur-562101

Respected Sir,

Sub: Requesting permission to conduct *Hands-on workshop on Electronics Circuit Design* for the students under AICTE IDEA Lab.

With reference to the above subject, we are planning to conduct "*Hands on Workshop on Electronic Circuit Design*", for I Sem students under AICTE Activity Idea Lab scheme, on 6th January 2023. Kindly grant the permission for conducting the same. The program schedule, brochure and the contents to be covered are attached here within.

Kindly do the needful.

Thanking you Sir,

Permitted
Dr. B N Shobha
5/1/23.

Yours faithfully,

B N Shobha
05/01/2023
(Dr. B N Shobha)
Prof. & Head
Dept. of Electronics & Communication Engg
S.J.C. Institute of Technology
CHICKBALLAPUR -562 101

|| Jai Sri Gurudev ||

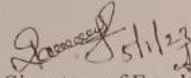
S J C Institute of Technology, Chickballapur – 562101

Department of Electronics & Communication Engineering

Circular

Date: 05.01.2023

It is hereby informed to all the 1st semester Electronics & Communication Engineering students that a Hands on Workshop has been organized on Electronics Circuit Design which is scheduled on 06.01.2023 at 12.00 PM in ECE seminar hall. In this regard all the students should attend compulsorily and get benefitted.


Signature of Faculty
05/01/23


Signature of HOD
Prof. & Head
05/01/2023
Dept. of Electronics & Communication
S.J.C. Institute of Technology
Chickballapur-562101.

AICTE IDEA LAB
Hands-on Workshop on Electronic Circuit Design
6th January 2023

Program Schedule

12:00 am- 1:00 pm	Theory session: Introduction to basic electronic hardware components.	ECE Seminar Hall
2:00-4:00 pm	<ul style="list-style-type: none">❖ Hardware circuit Demonstration❖ Dividing students in groups of 5 and Assignment of topics to each group❖ Implementation of projects on Breadboard.	<ul style="list-style-type: none">1. Analog & digital Lab2. Power Electronics Lab3. Communication Lab

Intended audience: I SEM ECE Students

Resource people:

1. Prof. Ramegowda
2. Dr. S. Bhargavi
3. Dr. Pranjala Tiwari
4. Prof. Savitha M M
5. Dr. Sudhir P
6. Prof. Madhukara S
7. Prof. Chandni A G
8. Prof. Kalaiah J B
9. Prof. Srivani E N

Devi
21/1/23

B. N. K. S. 05/01/2023
Prof. & Head
Dept. of Electronics & Communication Engg
S.J.C. Institute of Technology
CHICKBALLAPUR -562 101

Design and Development of Basic Hardware Applications

1. Touch ON/OFF sensor switch circuit using 555 Timer
2. Latching touch sensitive alarm circuit
3. Adjustable flashing LED circuit
4. Tick tock sound generator
5. Light screamer circuit using LDR
6. LED dimmer and DC Motor speed controller circuit using PWM
7. Police lights themed flashing LED circuit
8. Model traffic light
9. Police siren circuit
10. Light sensor and darkness detector using LDR
11. DC voltage doubler
12. Street Lights using LDR
13. Touch sensor using transistor
14. Rain detector using sensors
15. Clapp switch circuit using IC 555
16. LED flasher circuit using IC 555
17. Door security alarm
18. IR remote sensor
19. Temperature monitor
20. IC testing circuit
21. Automatic plant watering
22. Water level indicator
23. Running light circuit using IC 555

Deer
21/1/23

B. N. Reddy
05/01/2023
Prof. & Head
Dept. of Electronics & Communication Engg
S.J.C. Institute of Technology
CHICKBALLAPUR - 562 101



|| Jai Sri Gurudev ||

Sri Adichunchanagiri Shikshana Trust(R.)

SJC INSTITUTE OF TECHNOLOGY

P.B.No: 20, BB Road, Chickballapur - 562101 (Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi) Accredited by NBA (MED, ECE, CSE) NAAC & Gold Rated by QSI - Gauge



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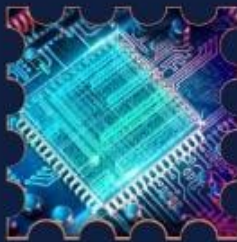
Estd 1986



AICTE IDEA LAB

is Organising

Hands on workshop on Electronics Circuit Design



DATE: 06 JAN 2023

VENUE :IDEA LAB

Tech Gurus

Dr. Pranjala Tiwari
Rame Gowda M
Savitha M M

Faculty Coordinator

Dr. Bhaskar S
ECE, Sjcit
Chickballapur

Faculty Co-coordinator

Dr. B N SHOBHA
HOD ECE, Sjcit
Chickballapur

Organizing chair

Mr. SURESHA J
Registrar, Sjcit
Chickballapur

Chief Mentor

Dr. G T RAJU
Principal, Sjcit
Chickballapur

|| Jai Sri Gurudev ||
S J C Institute of Technology, Chickballapur – 562101
Department of Electronics & Communication Engineering
Report Date: 06.01.2023

A Hands on workshop on Electronics Circuit Design was organized on 06th January 2023 in Department of Electronics & Communication Engineering as a part of IDEA Lab.

Dr B N Shobha, HOD addressed the gathering , Dr Pranjala Tiwari, Prof Ramegowda M and Prof Savitha M M organized this workshop.

Highlights of the Workshop:

1. Water level indicator
2. Running light circuit using IC 555
3. Rain Sensor
4. Light sensor and darkness detector using LDR
5. Light screamer circuit using LDR
6. Touch ON/OFF sensor switch circuit using 555 Timer
7. Door security alarm
8. Street Lights using LDR

All the first semester Electronics & Communication Engineering students attended this workshop from 12.00PM to 04.00PM at EC Seminar Hall

Prepared by: Savitha M M

B.N. Shobha
Signature of HOD 06/01/2023
Prof. & Head
Dept. of Electronics & Communication
S.J.C. Institute of Technology
Chickballapur-562101.

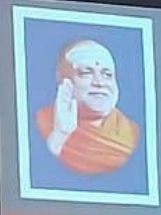
SJC INSTITUTE OF TECHNOLOGY, CHICKBALLAPUR
DEPARTMENT OF ELECTRONICS & COMMUNICATION
I A SECTION STUDENTS ATTENDANCE LIST

Hands-on workshop on Electronics Circuit Design for the students under AICTE IDEA Lab

SL NO	STUDENT NAME	Morning	Afternoon	Paid
1	AAKSHAY K A	Akshay k.A	Akshay k.A	
2	ABHI S V ✓			
3	ABHIJITH J V			
4	ABHISHEK H KANKATKAR			
5	ADARSHA R	Adarsha R	Adarsha R	
6	AJAY KUMAR A V			
7	AKHIL M	Akhil M		
8	AKSHAYA K S	Akshaya	Akshaya	
9	AKSHITHA M ✓	Akshitha M	Akshitha M	
10	AMAN PANDEY			
11	AMARESH H			
12	AMBIKA P	Ambika P	Ambika P	
13	AMULYA M ✓			
14	ANANYA A M	Ananya		
15	ANBAR SABAHATH ✓	Anbar		
16	ANIL KUMAR K A ✓	Anil Kumar K A	Anil Kumar K A	
17	ANUSHREE K R	Anushree K.R	Anushree K.R	
18	ASHWINI M	Ashwini M		
19	AYESHA M	Ayesha M	Ayesha M	
20	AYUSH M ✓			
21	BAGGIRI BEERA BRAMHANANDA REDDY ✓	B Reddy	B Reddy	
22	BHARATH H S ✓			
23	BHARATHI M ✓	Bharathi M	Bharathi M	
24	BHAVANA B M	Bhavana B M	Bhavana B M	
25	BHAVYA S A	Bhavya S.A	Bhavya S.A	
26	BHOOMIKA G	Bhoomika G	Bhoomika G	
27	BHUGANIPALLI SREE VIDYA	B Sreevidya	B Sreevidya	
28	BHUMIKA			
29	BHUVAN Y A	Bhuvan Y A	Bhuvan Y A	
30	CHAITHRA N S	Chaithra N.S	Chaithra N.S	
31	CHANDAN A	Chandan A	Chandan A	
32	CHANDAN G	Chandan G	Chandan G	
33	CHANDANA H S	chandana H.S	chandana H.S	
34	CHANDANA R ✓	Chandana R	Chandana R	
35	CHANDANA V R	Chandana V.R	Chandana V.R	
36	CHANDINI T D	chandini T.D	chandini T.D	
37	CHANDU SHREE Y C ✓			
38	CHEZHAN S N	Chethan S.N	Chethan S.N	
39	CHIRAG H ✓	Chirag H	Chirag H	
40	CHITHRA V	Chithra V		
41	CHITHRITHA N	Chithritha	chithritha N	
42	D NISARGA	D Nisarga	D Nisarga	
43	DARSHANNAYKA	Darshan Nayka		

44	DEEKSHA REDDY M	✓	Deeksha	
45	DEEKSHITH PATEL C	✓	Deekshith	
46	DEEPIKA M	✓	DEEPIKA M	DEEPIKA M
47	DEEPTHI M R			
48	DEVARAJU C V		Devaraju.c.v	Devaraju.c.v
49	DHANUSH A AGNI		Dhanush A Agni	Dhanush A Agni
50	DHANUSH M		Dhanush	Dhanush
51	DRUTHI G A		Druthi.G.A	Druthi.G.A
52	DUDDU SIDDARTH		Duddu	Duddu
53	G AKANKSHA		Ganankshy	Ganankshy
54	GADAPUTI BHUVANESWARI			
55	GANAVIKA N		Ganavika.N	Ganavika.N
56	GOKUL KUMAR B S		Gokul Kumar	Gokul Kumar
57	GOVARDHAN V K		Govardhan.V.K	Govardhan.V.K
58	GOWTHAM R		Gowtham	Gowtham
59	GUNASHREE D S		Gunashree.D.S	Gunashree.D.S
60	HAFSA KHANAM		Hafsa Khanam	Hafsa Khanam
61	HAMSA K S		Hamsa K.S	Hamsa K.S
62	HARSHA B M			
63	HARSHITH GOWDA N			
64	HARSHITH K R		Harshith.K.R	Harshith.K.R
65	HARSHITH KUMAR A		Harshith Kumar A	Harshith Kumar A
66	HARSHITHA J V		Harshitha.J.V	Harshitha.J.V
67	HARSHITHA N		Harshitha.N	
68	HARSHITHA P S		Harshitha.P.S	Harshitha.P.S
69	HEMANTH G M			
70	HEMANTH KUMAR M P		Hemantth Kumar MP	Hemantth Kumar MP
71	HEMANTH R			
72	HITHA D	✓		
73	HITESH M N			

LOGIC



|| JAI SRI GURUDEV ||
SRI ADICHUNCHANAGIRI SHIKSHANA TRUST (R.)

SJC INSTITUTE OF TECHNOLOGY



One day Workshop on Electronic Circuit Design



under
AICTE IDEA LAB



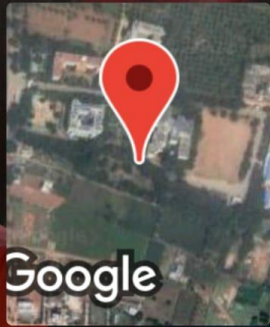
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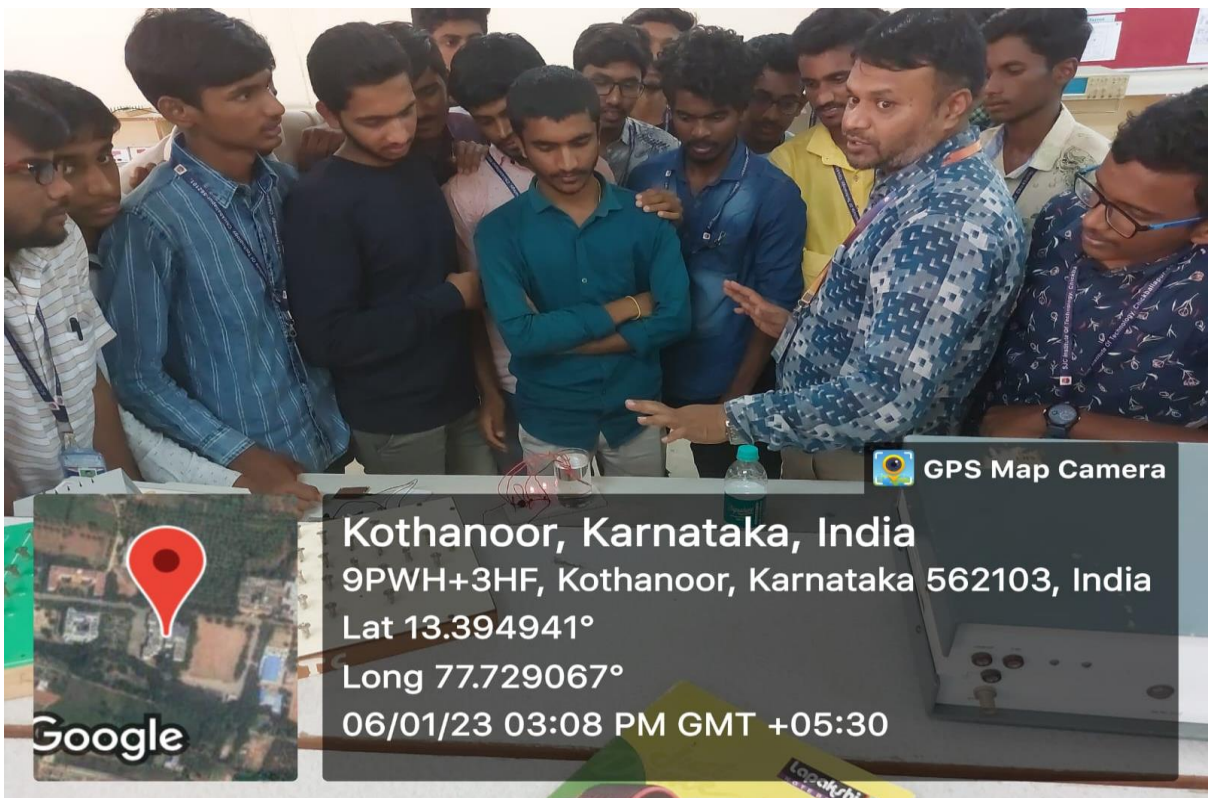
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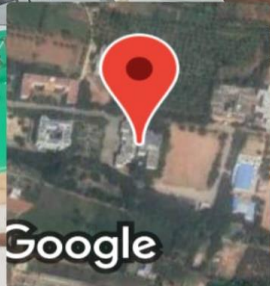
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GPS Map Camera



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Lat 13.394941°

Long 77.729067°

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