

CITY ENGINEERING COLLEGE



Approved by AICTE New Delhi & Affiliated by VTU, Belagavi Doddakallasandra, Off Kanakapura Main Road, Next to Gokulam Apartment, Bangalore - 560 062.

CRITERIA 3- RESEARCH, INNOVATIONS AND EXTENSION

Key Indicator: 3.2- Innovation Ecosystem

Metric Number: 3.2.2. QnM. Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years.

Programs conducted on Research Methodology, Intellectual Property Rights (IPR), and entrepreneurship, including workshops, seminars, and conferences.

ACADEMIC YEAR: 2019-20

Sl. No	Name of the Program
1	Workshop on "Technology based Entrepreneurship Development Program"
2	Emerging Technologies and Career Prospects
3	The Innovation Revolution: Bridging Ideas and Technology
4	Workshop on "Printed Circuit Board (PCB) "



Date:8-10-2019

CIRCULAR

Sub: One day workshop on "Technology Based Entrepreneurship Development Program" on 12th October 2019.

This is to inform all the students of 4th semester that the department of Electronics and Communication is organizing one day workshop on "Technology based Entrepreneurship Development Program". All students are hereby informed to attend this event.

HOD

a. s. malitranjuz

(Mr. Mallikarjun G S)

PRINCIPAL

(Dr. V.S. Ramamurthy)



A report on Technology based Entrepreneurship Development Program

Date of Event: 12th October 2019. Venue: VLSI Lab, Dept of E&C

Organized by: Dept of Electronics and Communication Engineering.

Event Coordinator: Mr. S.K.L. Narayana.

Number of students participated:26

Objective: The objectives of the event:

• To provide information on "Internet of Things (IOT)"

- To create an awareness of the need and importance of entrepreneurship.
- To plan curriculum that can imbibe the skills and competencies to achieve goals directed by values, have a positive attitude and have the ability to cope with the changing times.
- To make them aware about promotional financial & regulating scheme for MSME.
- To guide them for techniques of preparation of feasible & viable project.
- To guide them for "Techniques of proposal preparation and etc.

Report:

The Technology-based Entrepreneurship Development Program on "Internet of Things (IoT)" was conducted on 12th October 2019. These programs are targeted at science students from various engineering, polytechnic, and degree colleges and universities. With this in mind, City Engineering College organized the Technology-based Entrepreneurship Development Program.

The program began with an inaugural session led by Dr. V.S. Ramamurthy, Principal of City Engineering College. He shared his insights on the objectives of the program, expectations from the trainees, the final goal, and the program strategy.





In the second and third sessions, Dr. S.P. Mishra, Advisor at I.T.S. Education Group, discussed "Who is an Entrepreneur & Challenges of Being an entrepreneur" and "Schemes of Assistance for MSMEs: Financial Agencies / Institutions." Mr. Krishna K.S., from City Engineering College, spoke about "Opportunities Identification: Criteria for Selection & Sources of Information." He elaborated on the process of identifying opportunities.

HOD

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(Mr. Mallikarjun G S)

PRINCIPAL

(Dr. V.S. Ramamurthy)

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	rtment of Electronics & Con	nmunication Engineering
SL. NO.		ATTENDANCE
1	AJAY MR	CA
2	AMRUTHA V	A
3	ANSHU KUMARI H	Hoening
4	ANUSHA A	America 1
3	APOORVA S	1 Alaeria 10
6	ARATHI	Anomoros. 15.
7	BHANUSHREE M	Bothandbree.
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11	CHANDANA R	Cheesery-
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13	CHIKKANNA SWAMY	childennalwary m
14	DARSKAN A RAO	Lander
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23	MALAS	med
	N JAIPRIYA	Jaip ly
25	NIMISHA PRASAD	hyper
26	PRADEEPA	Balan



Date:3/12/2019

CIRCULAR

We are pleased to announce an upcoming expert talk on "Emerging Technologies and Career Prospects" scheduled for 5/12/2019 at 10:30 AM in CSE Seminar Hall. The talk will be delivered by Mr.Vasant Ravisankar ,Software Engnineer, Oracle Technologies. a renowned industry expert in the field. This is a valuable opportunity for all students to gain insights into the evolving industry trends and to understand the skills required to succeed in these emerging fields. We encourage all interested students to attend and participate actively in this informativesession.

Mr.Vivekavardhana Reddy

HOD





Expert Talk on "Emerging Technologies and Career Prospects"

Date: 5/12/2019

Guest Speaker: Mr. Vasant Ravisankar, Software Engnineer

Number of students attended:48

Introduction: CSE department hosted an insightful expert talk titled "Emerging Technologies and Career Prospects." The session aimed to enlighten students about the latest technological trends and their implications for future career opportunities.

Guest Speaker:Mr. Vasant Ravisankar, a Software Engineer with extensive experience in the industry, delivered the talk. His expertise in emerging technologies made him a valuable resource for students looking to navigate their career paths.

Overview of the Talk:Mr. Ravisankar began by discussing various emerging technologies, including artificial intelligence, blockchain, and the Internet of Things (IoT). He emphasized the rapid pace of technological advancements and their transformative impact on various industries.





Fig 1&2: Resource person addressing students about emerging trend in technologies

(Mr. Vivekavardhana Reddy) HOD (Dr.Ramamurthy) PRINCIPAL





Attendance List

Expert Talk on "Emerging Technologies and Career Prospects"

SL.	USN	NAME OF THE STUDENT	SIGN
ı	1CE18CS008	ANJANA RAGHAVENDRA	Angames
2	1CE18CS018	DIVYASHREE R	Divya
,	1CE18CS022	GV RITWIK	(8)
1	1CE18CS030	KARTHIK A N	Kerthick
;	1CE18CS054	NITHISH GUNDAPPA MS	My
5	1CE18CS055	PARVEEN TAJ	(A)
7	1CE18CS056	PRAMOD KUMAR B S	promad
3	1CE18CS057	PRATISHA A S KARANTH	(AB)
)	1CE18CS058	PRIYA SINGH M	priba
10	1CE18CS059	PRIYANKA R	priya
11	1CE18CS060	PUNEETH P	punem
	1CE18CS061	R LAKSHMI SAI CHETANA	lakeman
12	1CE18CS062	RACHANA KARANTH M	Cacheros
13_ 14	1CE18CS064	RAKESH V	Jaketh
15	1CE18CS065	RAKSHITHA RAJESH	lyuh
13	1CE18CS068	SANIYA SAMREEN	Sanga
17_	1CE18CS069	SARAH BATOOL	(A)
18	1CE18CS070	SHASHANK MISHRA	misha
19_	1CE18CS071	SHEIK SULAIMAN AHMED	Sheild
20	1CE18CS073	SHIRISHA B	Showsh
21	1CE16CS096	SUHAS S	Suhal
22	1CE17CS019	BELLARY NITIN PRASAD	Bollong
23	1CE18CS075	SHREEDEVI U JOSHI	Tosh
24	1CE18CS078	SHUSHMA R B	gushma
25 26	1CE18CS079	SHWETHA C	Shoeth

NO	USN	NAME OF THE STUDENT	SIGN
	1CE18CS085	SURAJ S	Erm
27	1CE18CS086	SURAKSHA HARITHAA (gry)
28	1CE18CS087	SURVI KUMARI	Snevi
29	1CE18CS088	T N SIDDESH	Condolet
30	1CE18CS089	TEJAS S	tejul
31	1CE18CS090	UDANKA AARUN JAIN	Janin
32	1CE18CS093	VAINAVI V	Varnaly
33	1CE18CS094	VAISHNAVI P	Parshoav
35	1CE18CS095	VAMSINANDAN BS	3.5
36	1CE18CS097	VARSHINI THANMAYA	Jackin
37	1CE18CS098	VENKATESH GOWDA S P	Gowala
37	1CE18CS099	VIDYASHREE N V	vadura
38	1CE18CS100	VIJAYALAKSHMI V	(VA)
39	1CE18CS102	VIVEK B B	Vivek
40	1CE18CS103	MOHAMMED JUNAID	A
41	1CE15CS074	MAYUR CHANDRAGOUDA	mayu
42	1CE18CS085	SURAJ S	Luono
43	1CE18CS086	SURAKSHA HARITHAA	(Satt)
44	1CE16CS029	BHOOMIKA D K	grand
45	1CE16CS040	JAYA SHANKAR	Jaya
46	1CE17CS021	BHARATH KUMAR .S	June
47	1		harstert



CIRCULAR

Date: 11/11/2019

We are pleased to announce that the Department of Applied Science and Humanities will be organizing a seminar on " **The Innovation Revolution: Bridging Ideas and Technology** " on November 11th 2019. We kindly request the faculty members Mrs. Sunitha N of the Department of Applied Science and Humanities to coordinate this initiative.

PRINCIPAL (Dr.V.S. Ramamurthy)



Seminar Report on Innovation Project Ideas

The seminar on "The Innovation Revolution: Bridging Ideas and Technology" conducted on 15/11/2019, was a unique opportunity for students to engage with experts from both industry and academia. The event fostered an environment of collaborative learning, where students gained valuable insights into developing innovative projects that address pressing global challenges.

Objectives:

The primary objectives of the seminar are:

- 1. To encourage creative thinking and innovation among engineering students.
- 2. To provide a platform for students to learn about the latest trends and technologies.
- 3. To guide students on how to develop feasible and impactful project ideas.
- 4. To foster collaboration and networking among students, faculty, and industry professionals.

The keynote address was delivered by Mrs. Sandhya M, Accurate infosolution., a renowned expert in the field of technology and innovation. Her address focused on the theme of "Driving Innovation through Engineering Projects" The seminar received positive feedback from participants. Students appreciated the insights and practical advice provided by the speakers. Many expressed that the seminar sparked new ideas and gave them clear direction for their future projects.



Fig 1. Resource person addressing about Innovative project ideas



The seminar on " **The Innovation Revolution: Bridging Ideas and Technology** " was a resounding success, achieving its goal of inspiring and equipping engineering students with the tools and knowledge to develop innovative solutions. It fostered a spirit of creativity and collaboration, essential for driving future advancements in engineering.

PRINCIPAL (Dr.V.S. Ramamurthy)

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Seminar on Innovation Project Ideas

Attendance List:

SL NO	USN	NAME	SIGN
1	1CE19CS001	AAKASH T E	Salars
2	1CE19CS002	ACHYUTH MAHESH HEGDE	mahah
3	1CE19CS003	AFRID PASHA	pasha
4	1CE19CS004	AISHWARYA B M	R
5	1CE19CS005	AISHWARYA C	of shound
6	1CE19CS006	AMIR REHAN	anger.
7	1CE19CS008	ANANYA BHOMBORE	A.BBC
8	1CE19CS011	ARTEE KUMARI R	A.K. R
9	1CE19CS012	ASHWINI B	Ashment
10	1CE19CS015	BHAVANA S	Bhan
11	1CE19CS016	BHOLAY NATH SINGH	Bholays
12	1CE19CS017	BINDHUSHREE G	Bindu
13	1CE19CS021	CHARANSIMHA D	Charanel
14	1CE19CS022	CHETAN S	C.S
15	1CE19CS026	DARSHAN K	Dalm
16	1CE19CS028	DEEPTHY RASHMI R	R.R
17	1CE19CS030	DIVYA S A	Divyo
18	1CE19CS032	GEETHANSH P	Goetha
19	1CE19CS033	HARISH BABU K P	Babu
20	1CE19CS035	HEMANTH V	Hemanth
21	1CE19CS037	IORA FATHIMA	Jeeran. M
22	1CE19CS039	JEEVAN M	Jeevan
23	1CE19CS040	JYOTHI SHREE S R	Lavang
24	1CE19CS041	KAVANA B	juothi
25	1CE19CS043	KEERTHI KUMARI	Treenth.
26	1CE19CS044	KISHAN GOWDA	Jashan-
27	1CE19CS045	KRITHIKA N KOUSHIK	NKour
28	1CE19CS045	KRUTTIKA KIRANKUMAR	(A)
29	1CE19CS049	MANOJ M K	M.M.S
	1CE19CS049	MANOJ R	manet
30	the same of the sa	MONIKA J	Monita
31	1CE19CS054	MRITUNJAY MISHRA	michia
32	1CE19CS055		mondula
33	1CE19CS056	MRUDULA S PRASAD	1.0.10



Department of Basic Science & Humanities

II SEM Date: 11/11/2019

Seminar Report on The Innovation Revolution: Bridging Ideas and Technology Feedback Form

TIME STAMP	DATE	NAME OF THE STUDENT	Were there sessions focused on skill development relevant to your career?	Did you gain the Knowledge/skills that you can apply in your career?	Did the seminar provide practical tips or actionable strategies you can implement?	Did the seminar change your perspective or approach to any specific career skill?	The Seminar increased my knowledge and skills
08:59:30	15-11-2019	AAKASH T E	Agree	Neutral	Strongly Agree	Agree	Agree
19:07:39	15-11-2019	ACHYUTH MAHESH HEGDE	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly agree
12:41:02	15-11-2019	AFRID PASHA	Agree	Agree	Agree	Agree	Agree
22:30:38	15-11-2019	AISHWARYA B M	Agree	Agree	Agree	Agree	Agree
12:05:01	15-11-2019	AISHWARYA C	Agree	Agree	Agree	Agree	Agree
11:07:49	15-11-2019	AMIR REHAN	Agree	Agree	Agree	Agree	Agree
17:13:58	15-11-2019	ANANYA BHOMBORE	Agree	Strongly Agree	Strongly Agree	Strongly agree	Agree
05:38:00	15-11-2019	ARTEE KUMARI R	Neutral	Agree	Strongly	Agree	Agree
02:09:10	15-11-2019	ASHWINI B	Agree	Agree	Agree Agree	Agree	Agree
05:15:58	15-11-2019	BHAVANA S	Agree	Agree	Agree	Agree	Agree
18:20:21	15-11-2019	BHOLAY NATH SINGH	Agree	Agree	Agree	Agree	Agree
07:20:07	15-11-2019	BINDHUSHREE G	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly agree
11:43:04	15-11-2019	CHARANSIMHA D	Neutral	Agree	Neutral	Neutral	Agree
03:30:53	15-11-2019	CHETAN S	Agree	Agree	Agree	Agree	Agree
23:15:03	15-11-2019	DARSHAN K	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Agree
01:38:42	15-11-2019	DEEPTHY RASHMI R	Strongly Agree	Strongly Agree	Strongly Agree	Neutral	Strongly agree
06:15:48	15-11-2019	DIVYAS A	Agree	Agree	Agree	Agree	Agree
05:10:50	15-11-2019	GEETHANSH P	Agree	Agree	Agree	Agree	Agree
18:17:59	15-11-2019	HARISH BABU K P	Neutral	Neutral	Neutral	Neutral	Neutral
18:18:59	15-11-2019	HEMANTH V	Strongly Agree	Agree	Strongly Agree	Agree	Strongly agree
21:54:57	15-11-2019	IQRA FATHIMA	Neutral	Neutral	Agree	Disagree	Neutral
18:28:29	15-11-2019	JEEVAN M	Neutral	Agree	Neutral	Neutral	Agree
23:15:03	15-11-2019	JYOTHI SHREE S R	Strongly Agree	Strongly Agree	Agree	Agree	Agree
01:38:42	15-11-2019	KAVANA B	Agree	Neutral	Agree	Agree	Agree
06:15:48	15-11-2019	KEERTHI KUMARI	Neutral	Neutral	Agree	Agree	Agree
05:00:50	15-11-2019	KISHAN GOWDA	Neutral	Neutral	Agree	Neutral	Neutral
18:17:59	15-11-2019	KRITHIKA N KOUSHIK	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Agree
18:17:59	15-11-2019	KRUTTIKA KIRANKUMAR	Agree	Agree	Agree	Neutral	Neutral
22:30:38	15-11-2019	MANOJ M K	Agree	Neutral	Neutral	Agree	Agree
12:05:01	15-11-2019	MANOJ R	Neutral	Agree	Neutral	Agree	Agree
11:07:49	15-11-2019	MONIKA J	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Agree
17:13:58	15-11-2019	MRITUNJAY MISHRA	Agree	Agree	Agree	Agree	Neutral
05:38:00	15-11-2019	MRUDULA S PRASAD	Neutral	Neutral	Neutral	Neutral	Neutral



Date:2-9-2019

CIRCULAR

Sub: One day workshop on "Printed Circuit Board (PCB)" on 15th September 2019.

This is to inform all the students of 4th semester that the department of Electronics and Communication is organizing one day workshop on "**Printed Circuit Board (PCB)**". We invite you to participate in this workshop.

PRINCIPAL (Dr. V.S. Ramamurthy)





PCB WORKSHOP 2020

OBJECTIVES OF CONDUCTING WORKSHOP

- 1) To make students learn and interact with renowned industry experts.
- 2) Make Students to receive an unparallel education on the art of PCB Designing with personal one on one attention.
- 3) To make every student an expert in designing their own PCB board which would be very useful for developing their own projects.

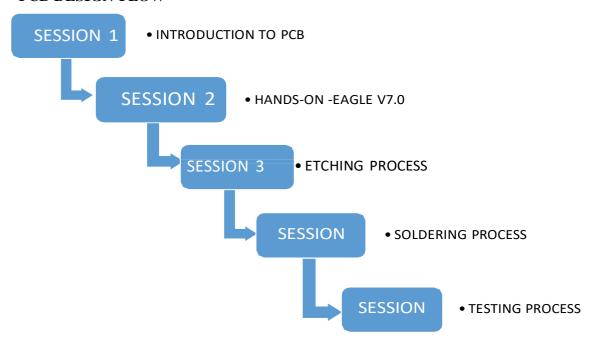
OVERVIEW ABOUT WORKSHOP

The aim of this workshop is to make the students learn the designing and manufacturing



of a printed circuit board using open-source EAGLE PCB design software and with various active and passive components such as Regulators, Diodes, Resistors, Capacitors, Inductors, Switches, etc.

PCB DESIGN FLOW



1. BASIC PCB CONCEPTS

They have given the concepts which will be very helpful for designing the PCB practically, using some power point presentations. In this theoretical explanation part, they have explained about the EAGLE software and the use of software for further practical implementation in designing the PCB.





2. HANDS ON WITH EAGLE TOOL

Editing and Routing is the basic step and it is one of the important steps for designing a PCB. Editing and Routing gives the circuit layout from one component to the other components. Soldering plays a key role in this step.



3. ETCHING PROCESS



4. SOLDERING PROCESS







AT THE END OF THE WORKSHOP STUDENTS WILL BE ABLE TO:

- **1.** Design and implement any required circuit on PCB.
- 2. Able to work on EAGLE software tool and built and test own layout circuit.
- **3.** Familiarization with the EAGLE user interface.
- **4.** Able to debug and test their own printed circuit. List of 4th semester students attended the PCB workshop.

PRINCIPAL (Dr. V.S. Ramamurthy



•		ITY ENGINEERING COLLEGE
	ment of Electronics & Communica	tion Engineering
SL.NO.	NAME	ATTENDANCE
1	AJAY MR	Asy. M
2	AMRUTHA V	And
3	ANSHU KUMARI H	Smelle
4	ANUSHA A	Au
5	APOORVA S	A
6	ARATHI	Al subit
7	BHANUSHREE M	13 hanushree
8	BHAVANA H E	
9	BHAVANA M	Blue varez
10	BLESSING SHAROON S	Sharouk
11	CHANDANA R	Somaron
12	CHANDANA S	a Landaua
13	CHIKKANNA SWAMY M	chandone
14	DARSHAN A RAO	Crowner. 9
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	SHASHIKALA T	Sharshirede
38 5	SHAYANA M	Shad.



Department of Electronics and Communication

Workshop on "Printed Circuit Board (PCB)"

Date: 15-09-2019.

Feedback Form

Please provide us with your feedback by completing this questionnaire.

Presenter Evaluation Please rate the presenter on the following scale (1: Poor, 2: Fair, 3: Good, 4: Very good, 5: Excellent) by encircling an option below.

SI.No	Description	1	2	3	4	5
7.	How would you rate the overall quality of the presentation/event?				/	
8.	How engaging was the speaker/presenter?					0
9.	Did the presentation/event inspire you or provide new insights?					-
10.	Did the event inspire you to learn more about topics?				_	t
11.	Were the speakers knowledgeable and engaging?			/		
12.	Were there adequate opportunities for questions and answers during the sessions?				-	

Any additional comments you wish to share?

Name: Abelle.
USN: 1661886006

Signature



Department of Electronics and Communication

Workshop on "Printed Circuit Board (PCB)"

Date:15-09-2019.

Please provide us with your feedback by completing this questionnaire.

Presenter Evaluation Please rate the presenter on the following scale (1: Poor, 2: Fair, 3: Good, 4: Very good, 5: Excellent) by encircling an option below.

Sl.No	Description	1 1	1 2	2	•	-
7.	How would you rate the overall quality of the presentation/event?	·		3	-	3
8.	How engaging was the speaker/presenter?	+				-
9.	Did the presentation/event inspire you or provide new insights?					-
10.	Did the event inspire you to learn more about topics?	+			-	-
11.	Were the speakers knowledgeable and engaging?	+-		-		
12.	Were there adequate opportunities for questions and answers during the sessions?	+		_	_	

Any additional comments you wish to share?

Name: Aruth N.
USN: 1CE 1812C004

Signature