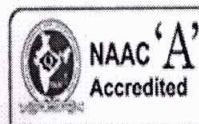




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**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Embedded System & IOT
2.	YEAR / ODD –EVEN SEMESTER	2021/ODD
3.	DAY AND DATE	06-12-2021
4.	VENUE	ACSCE
5.	DURATION	1 Day
6.	Resource Person	Satish Pantech Solutions Pvt.ltd
7.	ORGANIZED BY	ECE
8.	PARTICIPANTS	V th & VII th sem students
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Ashwini.A.M
Name of the Co-Ordinator

BG
HOD,ECE



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**DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION
ENGINEERING**

INVITATION

We cordially invite one and all

For

“SEMINAR / WEBINAR”

On

Embedded System AND IOT

16.12.2021

Resource Person

Mr. Satish

TIME: 9.30 am

VENUE: 3rd Floor Seminar Hall-3
Department of ECE, ACSCE, Bangalore



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WEBINAR ON EMBEDDED SYSTEM AND IOT

Date : 06/12/2021

Resource Persons: Satish

Pantech Solutions Pvt.ltd

Participants: Vth and VIIth sem ECE students

The world of embedded systems is a dreamer's paradise with unlimited possibilities. Imagine you control all the systems around you just by a simple gesture and the things respond to you as if it was some magic. This could be possible with embedded system.

The webinar on "Embedded system and IOT" was organised by the Department of Electronics and Communication Engineering on 16/12/2021. The resource person was **Mr. Sathish** from **Pantech solution Pvt ltd**.

Initially he started the webinar by emphasizing the real-time applications of Embedded systems and IOT.

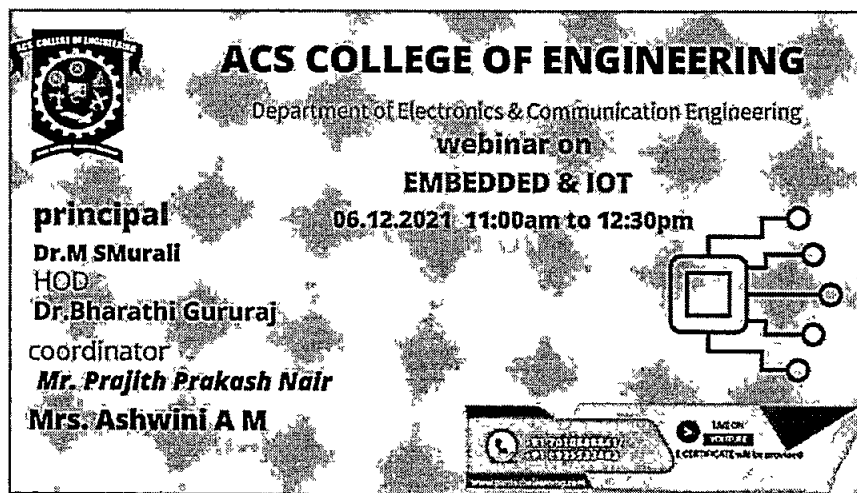
He started with the basic definition of system, embedded system with block diagram. A basic overview of Aurdino hardware and a detailed explanation of aurdino pins and aurdino programming was explained with some programming examples. A brief introduction to sensors and its applications were also discussed. It was very helpful for mini-projects and final year projects. The session duration was for 1 and a half hour in which gained enough knowledge which motivates to gain the knowledge in depth.

The resource person answered with patience to all the questions asked by the participants.

The webinar was also live streamed in you-tube.

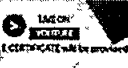

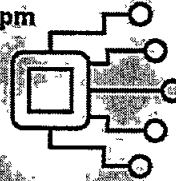

Link: <https://youtu.be/kvSPgt2uAqA>

Webinar Invitation:

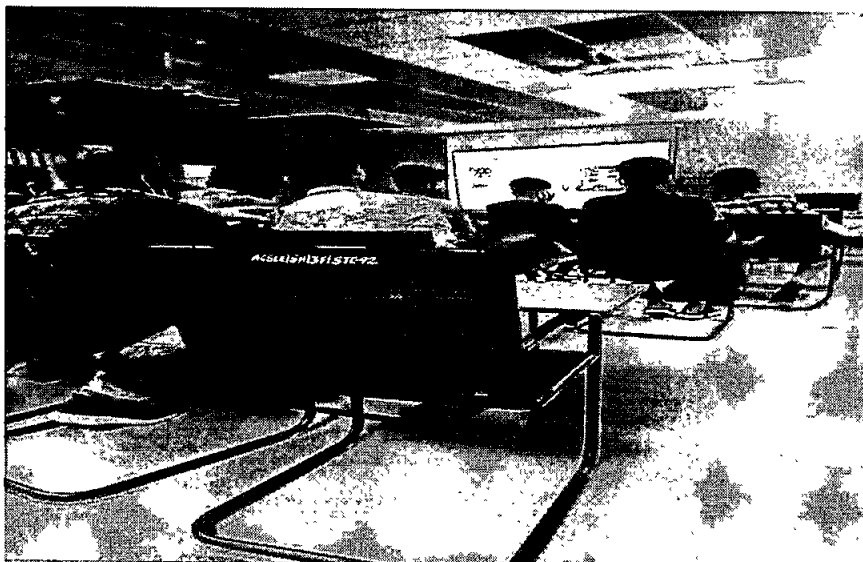


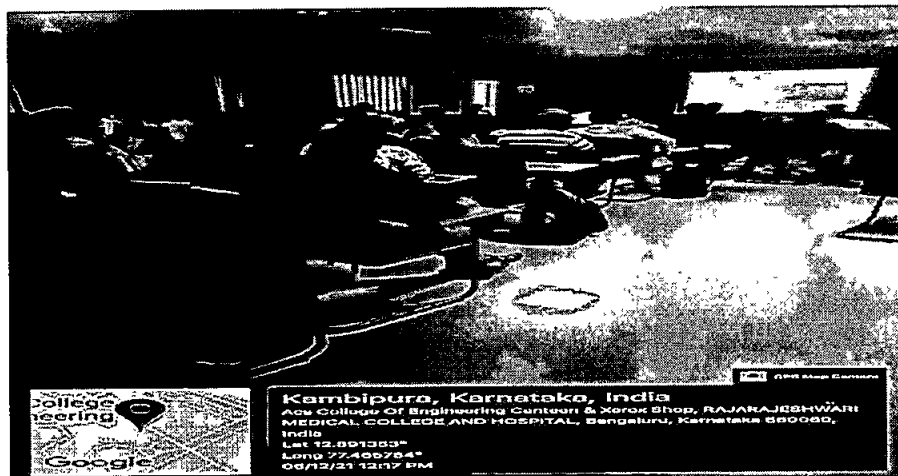
ACS COLLEGE OF ENGINEERING
Department of Electronics & Communication Engineering
webinar on
EMBEDDED & IOT
06.12.2021 11:00am to 12:30pm

principal
Dr.M.SMurali
HOD
Dr.Bharathi Gururaj
coordinator
Mr. Prajith Prakash Nair
Mrs. Ashwini A M

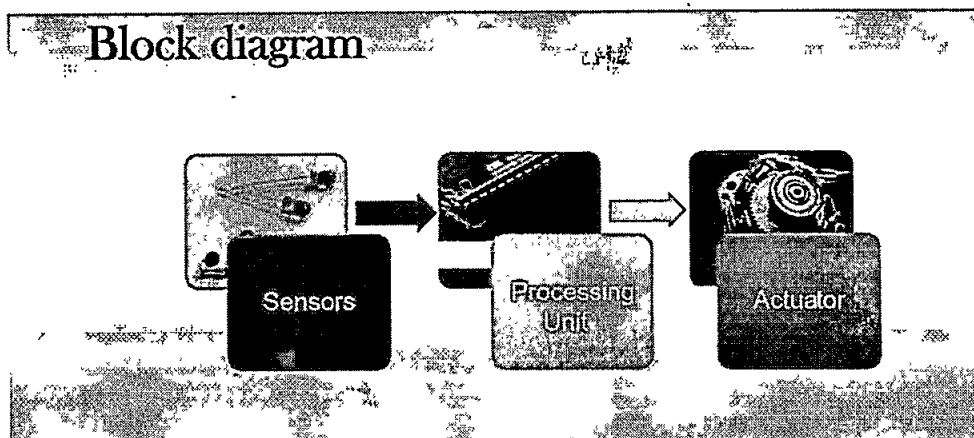


Webinar Snapshots:





Block diagram



One day Webinar on #EMBEDDED & #IOT #pantechlearning #ACSCOE #ECE #pantechsolutio...

Getting started

Check out:

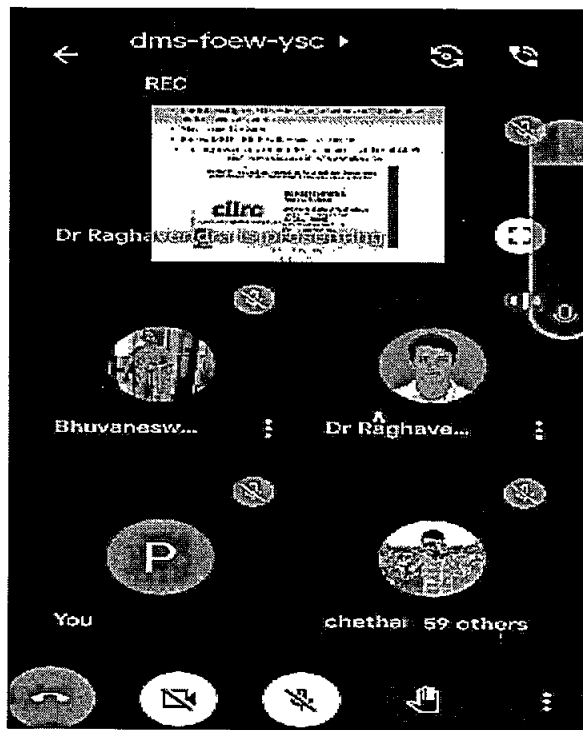
<http://arduino.cc/en/Guide/HomePage>

1. Download & install the Arduino environment (IDE)
2. Connect the board to your computer via the USB cable
3. If needed, install the drivers (not needed in lab)
4. Launch the Arduino IDE
5. Select your board
6. Select your serial port
7. Open the blink example
8. Upload the program



45:28 / 07:10

SNAPS FROM SEMINAR





Department of Electronics and Communication Engineering
Attendance

SL.NO	USN	STUDENT NAME
1	1AH20EC001	ABHISHEK PATIL
2	1AH20EC002	ADITHYA K C
3	1AH20EC003	AKSHAY S
4	1AH20EC004	BAHUBALI RAJ A
5	1AH20EC005	BHAVANA M
6	1AH20EC006	BRUNDA M
7	1AH20EC007	DARSHAN B SHETTY
8	1AH20EC008	HARSHA PATIL N B
9	1AH20EC009	HEMANTH KUMAR K B
10	1AH20EC010	MOHAMMAD JAWAD
11	1AH20EC011	MOHAMMED MUSTAQEEM
12	1AH20EC012	MOHAMMED TOUHEED
13	1AH20EC013	MOULYA H T
14	1AH20EC014	PRATHIKSHA C S
15	1AH20EC015	SACHIN N
16	1AH20EC016	SRIGANESH H S
17	1AH20EC017	TEJASH M U
18	1AH20EC018	Bhanu Teja

HOD,ECE



Department of Electronics and Communication Engineering

Seminar Attendance

SL.NO	USN	STUDENT NAME
1	1AH19EC001	AMITH DEEPAK PAWAR
2	1AH19EC003	CHANDAN G B
3	1AH19EC004	CHETHANA M NIJAGULI
4	1AH19EC005	DEEPU Y
5	1AH19EC006	FAISAL AHMED
6	1AH19EC007	FARHAN MEHDI
7	1AH19EC008	PADMA REDDY G
8	1AH19EC009	JEEVITHA S
9	1AH19EC010	KAVYA M H
10	1AH19EC011	KESAR M R
11	1AH19EC012	LAKSHMI S
12	1AH19EC013	MANMOHAN SHARMA
13	1AH19EC014	MEGHANA N
14	1AH19EC015	NANDAN C L
15	1AH19EC016	NAVYA H B
16	1AH19EC017	NETHRAVATHI C
17	1AH19EC018	NIKHIL SWAMY B C
18	1AH19EC019	NIKITHA S
19	1AH19EC020	MADHUMITHA P
20	1AH19EC021	PRAJWAL M
21	1AH19EC022	PRASHANTH D
22	1AH19EC023	PRASHANTH HALAGERI C
23	1AH19EC024	PREETHI S
24	1AH19EC025	PAVAN RAJ S
25	1AH19EC026	SAJIN S
26	1AH19EC027	SANGANA BASAPPA
27	1AH19EC028	SANGEETHA M
28	1AH19EC029	SATISH H S
29	1AH19EC030	SONIYA J
30	1AH19EC031	SRI SAI KIRAN R
31	1AH19EC033	SYED WASEEM BOKHARI
32	1AH19EC034	TULASI K P
33	1AH19EC035	VIJAYALAKSHMI K
34	1AH19EC036	VISHAL B L
35	1AH19EC037	YASHMICA T M
36	1AH18EC002	ABHU SUFIYAN
37	1AH18EC017	MAHESH B G
38	1AH18EC031	SANJAY KUMAR B K
39	1AH18EC034	SUNIL KUMAR B K
40	1AH18EC044	RITVOSH GHOSH

HOD,ECE



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**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar On industrial 4.0 Smart factories
2.	YEAR / ODD –EVEN SEMESTER	2021-22
3.	DAY AND DATE	31.01.2022
4.	VENUE	ACSCE
5.	DURATION	Online
6.	Resource Person	Dr. SV Sathish
7.	ORGANIZED BY	ACSCE
8.	PARTICIPANTS	ECE Students
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

HOD, ECE



REPORT on FDP INDUSTRY 4.0

Date: 31.01.2022 – 04.02.2022

Institute Name: ACS COLLEGE OF ENGINEERING, Bangalore

FDP Coordinator:	Dr.Bharathi Gururaj Associate Professor, HOD Department of Electronics & Communication Engineering ACS College of Engineering
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The speakers for the 5-day program on “INDUSTRY 4.0”



Networks. He was Chairman, Career Development Centre at NITK. He also established the IIIrd Dharwad to take forward IIIT as an institute of excellence in 2015 as its OSD.



Authored "Measurement and Metrology"

Dr. MURALI S, PRESIDENT, MAHARAJA GROUP OF INSTITUTIONS



BE, MTech, MBA, PhD

Teaching & Research experience: 33 years

President of 2 Engineering colleges, degree college, 2 PUC colleges, High School,

2 MBA Institutes

Professor in computer science

Published more than 250 research papers in journals and conferences President of Kalatapasvi... an art school

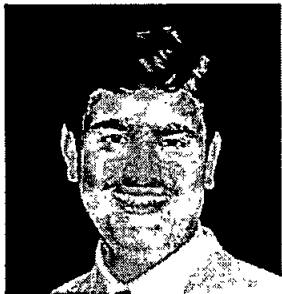
Managing director of River View Hospital

Managing director of MYSURU-PAKA

Worked as chairman of Board of studies and Board of exams of VTU and Mysore university for computer science

National Board of Accreditation Expert

Mr. YASHWANTH N, TECHNICAL MARKETING LEADER, ARUBA, HP

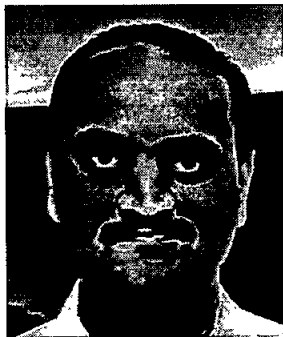


Yash is a Global Technical Marketing Leader on the Aruba, HPE Switching Technical Marketing Engineering team.

Yash's role on the TME team focuses on the Campus Switching, Network Security, Network Management, Network Designs, Reference Architecture, Aruba Enterprise solutions and Digital Industry 3.0 and Industry 4.0 transformation.

Yash has a Master of Technology in Computer and Technology and Bachelors in Electronics from the University of Mysore.

Mr. SANTOSH A CHACHADI, MANAGER, CLOUD OPERATIONS, SAP LABS, BANGALORE



IT operations and project and program manager with more than 20 years of experience in managing complex IT operations and projects. Most recent work experience includes managing Production operations for SAP's premier cloud-based ERP solution. Achievements range from introducing service efficiencies, de-escalation of critical operational issues and cost reduction. Also have experience in managing the IT support and security for a multi-location manufacturing company and handling various projects as a key member in an IT services company

Mr. RAJKUMAR, SENIOR APPLICATION ENGINEER, VI SOLUTIONS



RAJKUMAR R graduated as Electrical & Electronics Engineer from Anna University, Chennai. Currently he is designated as Senior Application Engineer in VI Solutions, Bangalore, and handling the major responsibility of supporting various industries in implementing several Turn-key Systems and System Integration projects using NI products. He is also handling the major responsibility of "Improving the quality of Engineering & Science Education" and eradicating the impoverish methods of education and inculcating the interest in LabVIEW.

Mr. VASANTH KUMAR, SENIOR APPLICATION ENGINEER, VI SOLUTIONS



Certified LabVIEW Developer | Certified Professional Instructor | Senior Application Engineer at VI Solutions, Bangalore

Proficient in LabVIEW programming

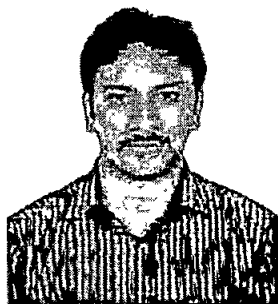
- NI Certified Professional Instructor (CPI)
- NI Certified LabVIEW Developer (CLD)
- Over 8+ years of experience in Software analysis, design and development of Data Acquisition systems and various Automated Test Equipment using National Instruments LabVIEW and Test-Stand software
- Strong Real-Time Embedded and FPGA Programming skills
- Work experience on NI hardware like NI PXI(e), NI PCI(e), NI CompactRIO, NI CompactDAQ, NI Single Board RIO, NI CVS, NI WSN, NI USRP, NI myRIO, NI USB DAQs
- Communication protocols like RS-232, RS-485, I2C, SPI, MODBUS, TCP/IP, HTTP, FTP, Zigbee, CAN, MIL-STD 1553, ARINC 429 & AFDX/ARINC 664
- Supporting various industries in implementing several Turn-key Systems and System Integration projects using NI Technology
- Experienced in Test requirements, Test Strategy and test cases design

ATAL FDP ON "INDUSTRY 4.0"

The schedule of the Faculty development program is given below-

	9:00 am. - 11:00am		11.15 am – 1.15pm		2:00 pm to 4.00pm
Day -1 Monday 31/01/2022	Inauguration and Session -1 Industry 4.0 Implementation in Semi-Conductors Mrs. Sunitha Parushetti Technical Lead, Altran	TEA BREAK	Session -2 Industry 4.0 – Smart Factories Dr.S.V. Satish Professor & HOD. Mechanical Department PES University	LUNCH BREAK	Session -3 Hands on LabVIEW & Virtual Instrumentation- Mr. Vasanth Kumar V Assistant Manager VI Solutions
Day -2 Tuesday 01/02/2022	Session -4 5G Key Technologies for Industry 4.0 and Hands- on using Matlab 5G toolbox OMNET++ and NS3. Dr. SiddalingappaBirader Dayananda Sagar academy of technology and Management		Session -5 Introduction and implementation of Industry 4.0 Mr. Yash N N Global Technical Leader, Aruba		Session -6 An overview of Embedded systems with Industry 4.0 Mr. Vijay Mahantesh
Day -3 Wednesday 02/02/2022	Session -7 Industry 4.0, Implementation Dr. Muralidhar Kulkarni Professor, Department of ECE, NIT -K		Session -8 Understanding Computer Vision case study for depth estimation in Industry 4.0 Dr.S. Murali President, Maharaja Institute of Technology		Session -9 Hands on LabVIEW Based Data Acquisition & Sensor Integration - Tool used is Cloud software central Mr. Rajkumar Senior Application Engineer VI Solutions
Day -4 Thursday 03/02/2022	Session -10 Innovative Teaching Learning method using Augmented reality technology- An Industry 4.0 initiative. Dr. Rajesh Buktar Professor, Mechanical Engineering Sardar Patel College of Engineering		Session -11 Digital Transformation Technologies:Cloud overview with Industry 4.0 Mr. Santosh A Chachadi Manager, Cloud Operations SAP LABS India		Session -12 Hands on LabVIEW Based Control System Design & UI Development - Tool used is Cloud software central - Mr. Rajkumar Senior Application Engineer VI Solutions
Day -5 Friday 04/02/2022	Session -13 Implementation of Industry 4.0, Adoption in various Sectors and case studies Mr. Vasanth Kumar V Assistant Manager VI Solutions		Session -14 Stress management, Emotional and Physical Health. Dr. Shivashankar P Shenoy		FEEDBACK & ASSESMENT, Virtual Valedictory function

Dr. SIDDALINGAPPA GOUDA BIRADER, PROFESSOR, DAYANAND SAGAR INSTITUTE OF TECHNOLOGY & MANAGEMENT



BE [Electronics & Communication Engg.] from B.L.D.E.A's Dr. P.G Halakatti College of Engineering & Technology, Vijayapura in 2007.

M.Tech[DC&N] from KLS Gogte Institute of Technology, Belagavi in 2011

Ph.D from Visvesvaraya Technological University(VTU) Belagavi in 2019.

He has 2 Indian patents, 2 CopyRight and 1 Australian Patent

He is Cisco Certified Trainer with completion of Cisco Devnet, CCNA and CCNP Courses.

He has been award as Best Teacher Award-2020 from INSC professional Society, Best Teacher Award-2021 from DSATM, ECE Dept. and Academic Excellence Award-2022 from Novel Research Academy Puducherry. He has recently written a Technical Book by name "Simulation of 4G-LTE Network using NS2", which includes computer network laboratory programs of BE ECE, TCE, ISE, CSE and M.Tech (Computer Network) Branches.

Mr. Shivashankar Shenoy, Yoga Instructor, and Therapist. PRADIPIKA YOGA STUDIO



CEO & Co Founder of Pradiipika Institute of Yoga and Therapy since 2014. • Master of Science (M. Sc) degree in Yoga from SVYASA. • Certified Yoga Instructor (YIC from SVYASA - Yoga university) • Bachelor of Computer Science Engineering from Bangalore Institute of Technology, bangalore. • 7+ years of experience in Yoga as well as Yoga Therapy(Disease based Treatment through Yoga) • Handled 4000+ yoga students & have over 10,000+ hours of teaching yoga experience. • Conducted several corporate yoga sessions for Multi-National companies such as finserv, bajaj alliance, reliance general, metro cash & carry, Accenture, Powergrid Corporation of India and many more. • Expert in public relations and people skills. • Expert in yoga therapy for various ailments, power yoga, chair yoga, corporate yoga, lifestyle corrections, counseling, pranayama, meditation and mantra chanting.

Mr. VIJAY MAHANTESH, FOUNDER&CEO, CLEVERBIT SOLUTIONS PVT LTD.



BE in Instrumentation Technology from VTU, Belagavi

M.S. in VLSI-CAD, MAHE University, Manipal

16+ Years of professional experience spread across Industry and Academia.

Currently working as Technical director at Cleverbit Solutions Pvt Ltd, Bangalore

Worked with Semiconductor industries like National Semiconductors, CVC, and

Masamb Electronics as Design and Verification Engineer

Worked as Faculty in Engineering colleges both in India and Abroad (Mauritius)

Dr. RajeshBuktar, PROFESSOR, MECHANICAL ENGINEERING DEPARTMENT, SARDAR PATEL COLLEGE OF ENGINEERING

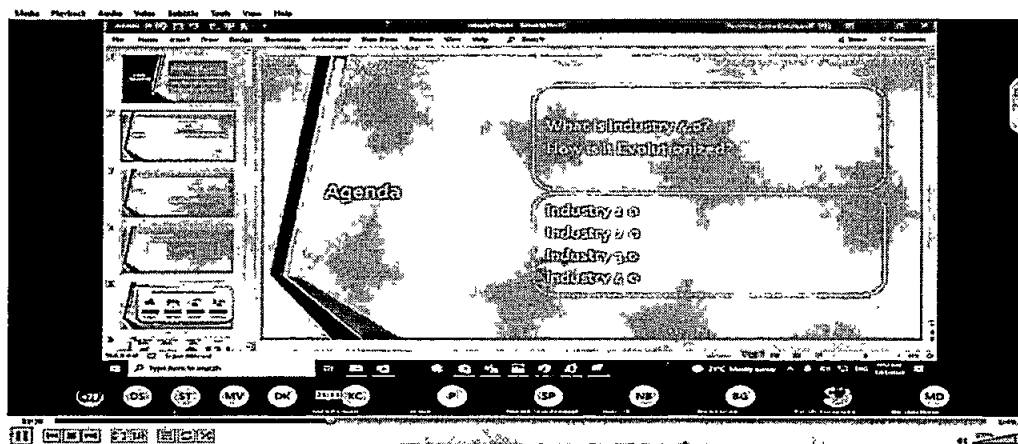


Former DEAN ACADEMICS & HOD (22yrs of tenure)

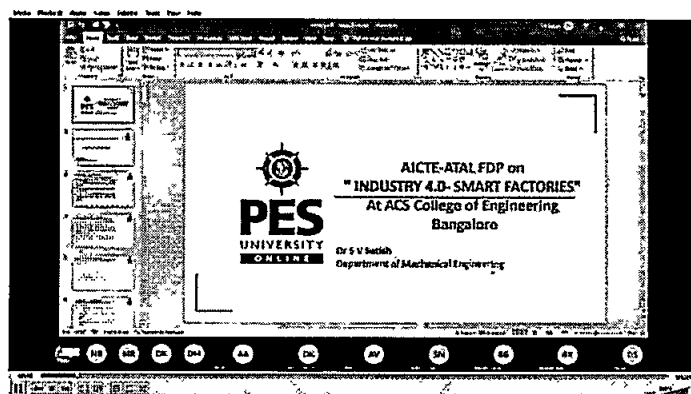
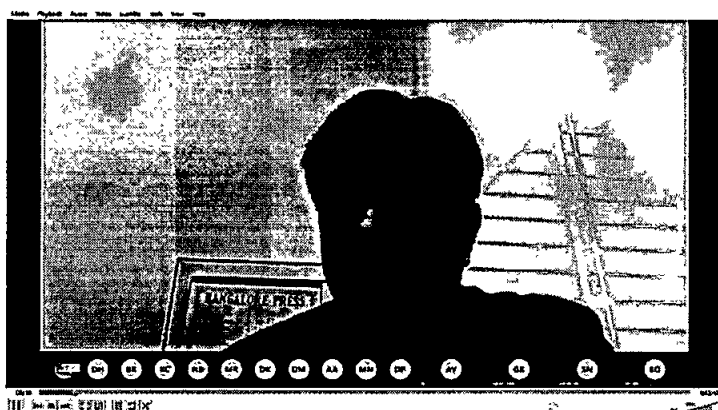
Implemented Outcome Based Education (OBE) • Implemented Choice Based Credit

System (CBCS) • Implemented AICTE Model Scheme 2018 • Implemented latest AICTE

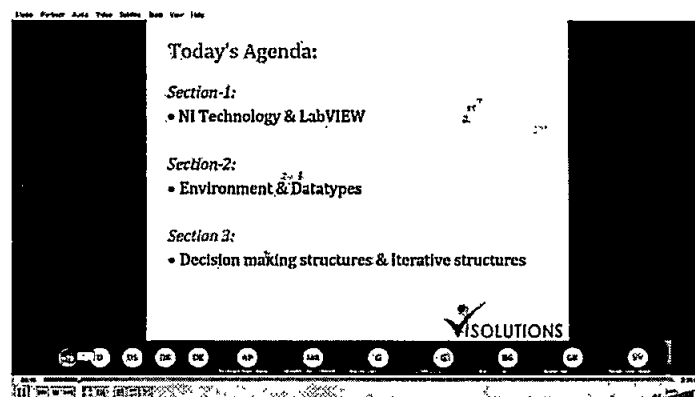
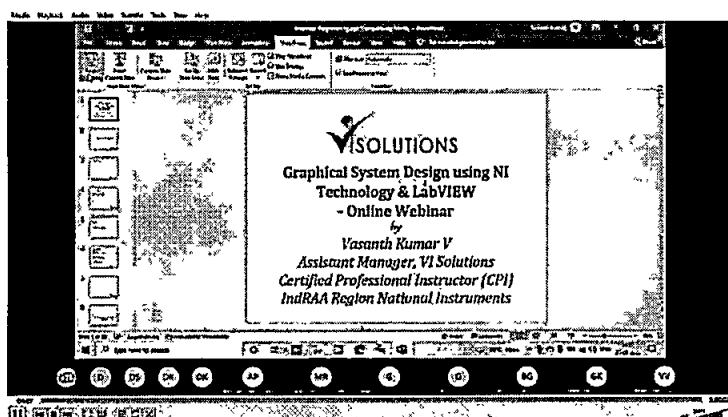
examination reforms • Accredited UG/PG Programs at MED



DAY-1, SESSION-1 by Mrs. Sunita Parushetti, TEAM LEADER, ALTRAN
"IMPLEMENTATION OF INDUSTRY 4.0 FOR SEMICONDUCTORS"



DAY-1, SESSION-1 by Dr. S. V. SATISH Prof & HOD, Mechanical Engineering department, PES University
"INDUSTRY 4.0-SMART FACTORIES"

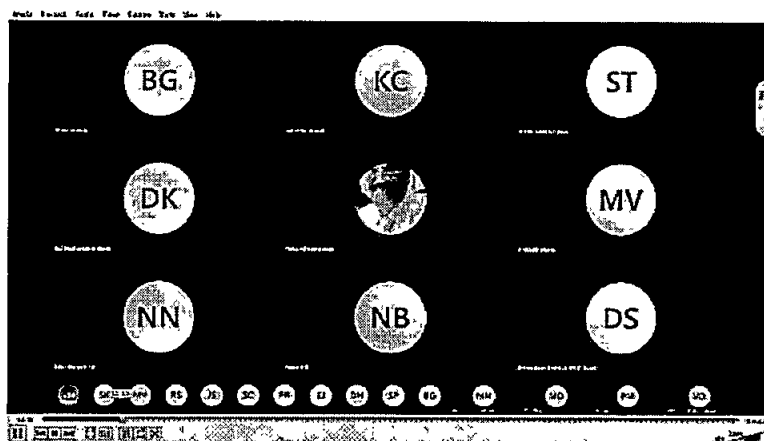
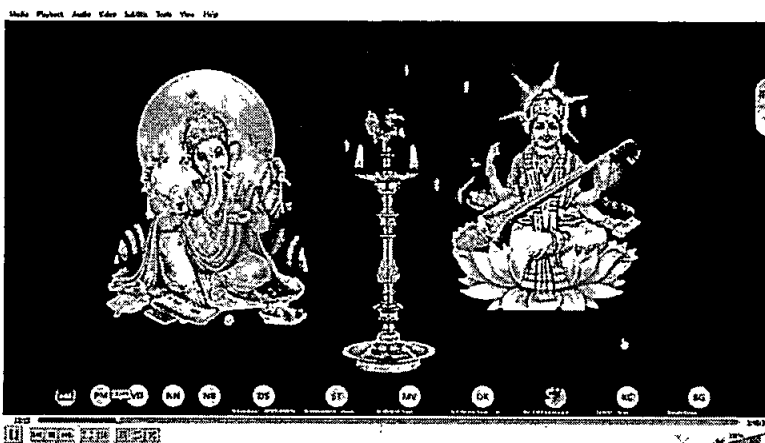


DAY-1, SESSION-3 by Mr. VASANTH KUMAR, ASSISTANT MANAGER, VI SOLUTIONS
"Hands on LabVIEW & Virtual Instrumentation"

ATAL FDP ON "INDUSTRY 4.0"

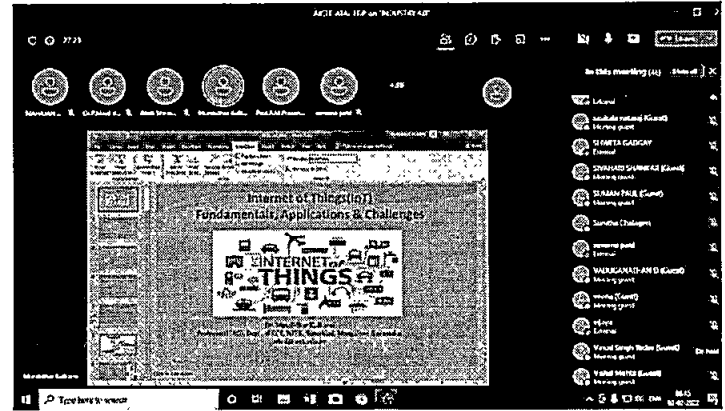
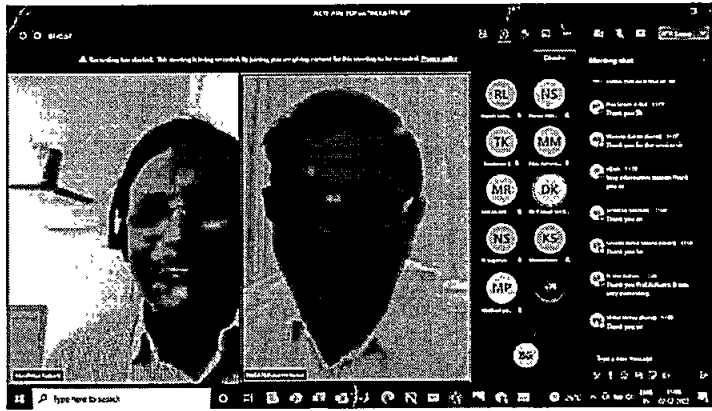
The inauguration was held on 31st January 2022 online at 09:00 am. Chief Guest of the program Mrs. Sunita Parushetti, Team Leader, ALTRAN, Principal Dr. M.S. Murali, Invited Speakers for the Faculty Development Program, HoD's of Various Departments, and Coordinator Dr. Bharathi Gururaj chaired the function. Also, Faculty members of different academies, and AICTE official were also present with the participants.

Inaugural Function started by Lighting the Lamp Virtually and HOD ECE and FDP Coordinator welcomed all the Guest, Invited Speakers, Principal, HOD's and Participants for the Five-day Online Faculty Development Program on "INDUSTRY 4.0" sponsored by AICTE-ATAL. Principal gave Presidential address. Prof. Nagesh H B addressed the participants about online FDP and various initiatives by ATAL Academy. Finally, the vote of Thanks by Dr. Prasanna Kumar, Professor, Department of ECE, ACS College of Engineering.

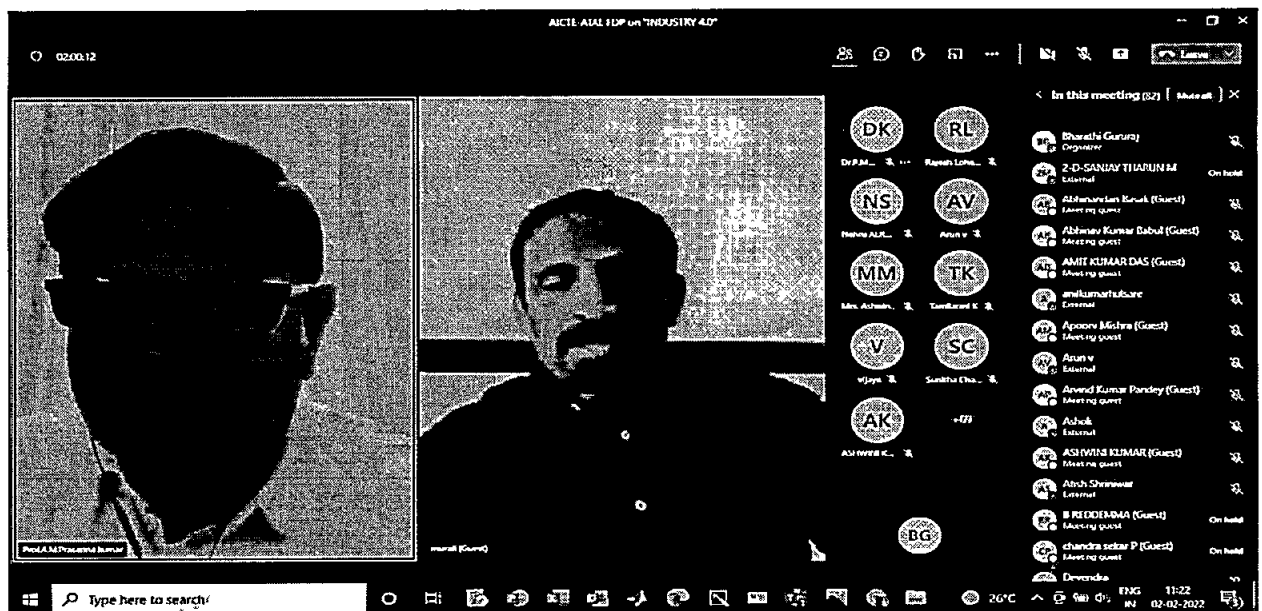


Inaugural function of FDP on INDUSTRY 4.0

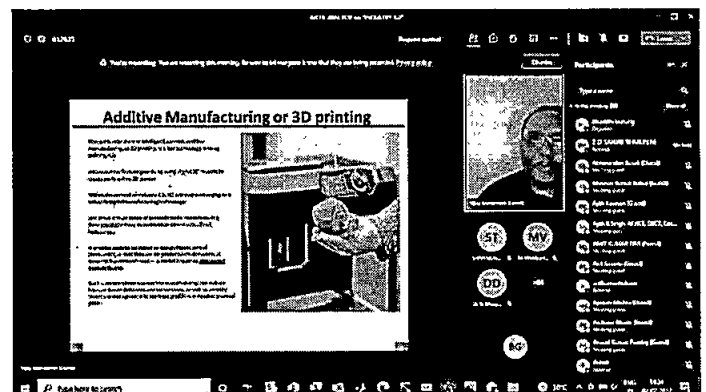
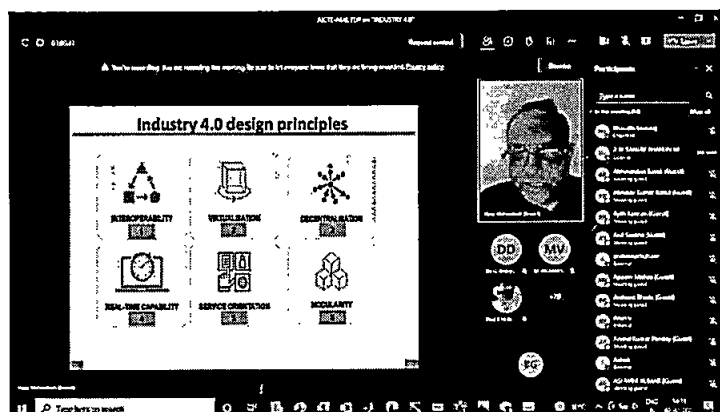
ATAL FDP ON "INDUSTRY 4.0"



DAY-3, SESSION-1 by Dr. MURALIDHAR KULKARNI, PROFESSOR, NIT-K
INTERNET OF THINGS-FUNDAMENTALS, APPLICATIONS, RESEARCH CHALLENGES

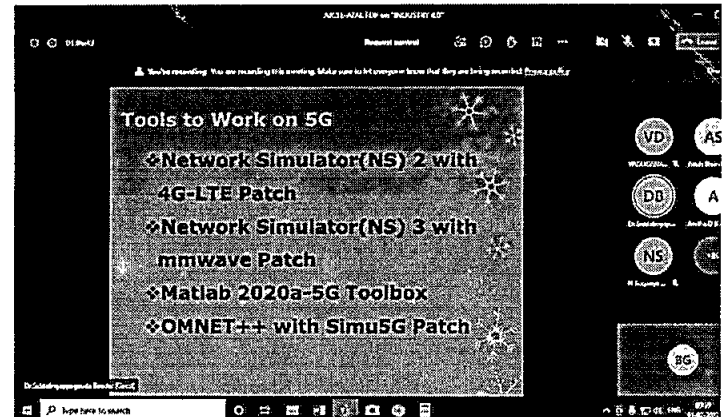
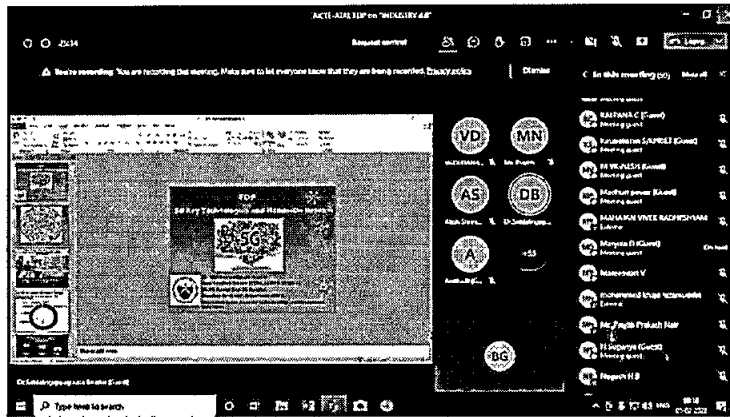


DAY-3, SESSION-2 by Dr. MURALI S PRESIDENT, MIT
Understanding Computer Vision case study for depth estimation in Industry 4.0

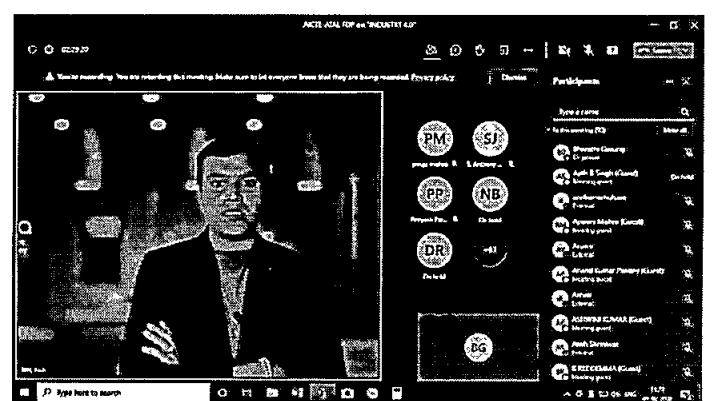


DAY-3, SESSION-3 by Mr. VIJAY MAHANTESH, CEO, CLEVERBIT SOLUTIONS
Understanding INDSTRY 4.0 WITH EMBEDDED YSTEMS

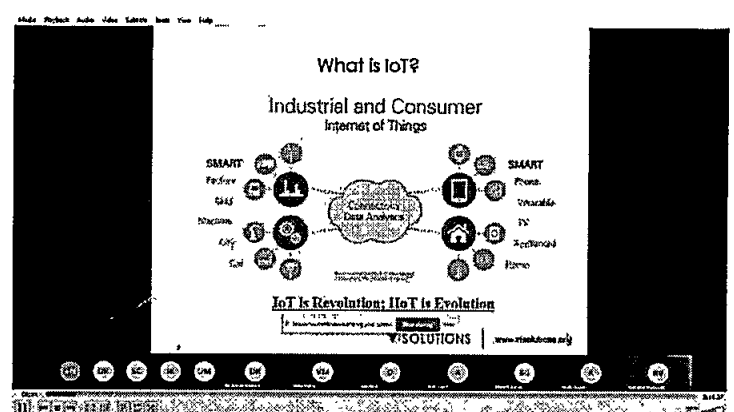
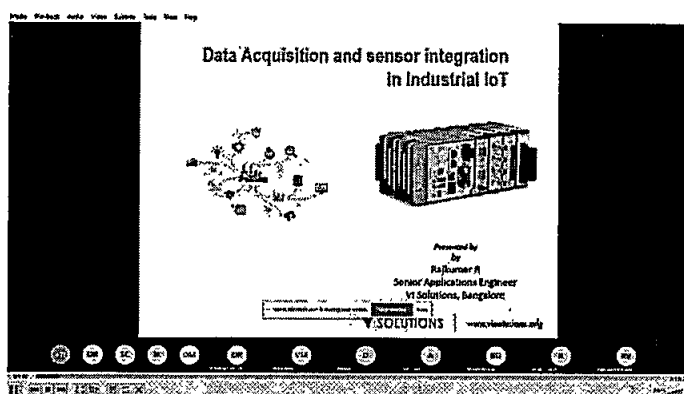
ATAL FDP ON "INDUSTRY 4.0"



DAY-2, SESSION-1 by Dr. SIDDALINGAPPA GOUDA BIRADER, PROFESSOR, DSAT&M
5G Key Technologies for Industry 4.0 and Hands-on using Matlab 5G toolbox OMNET++ and NS3.

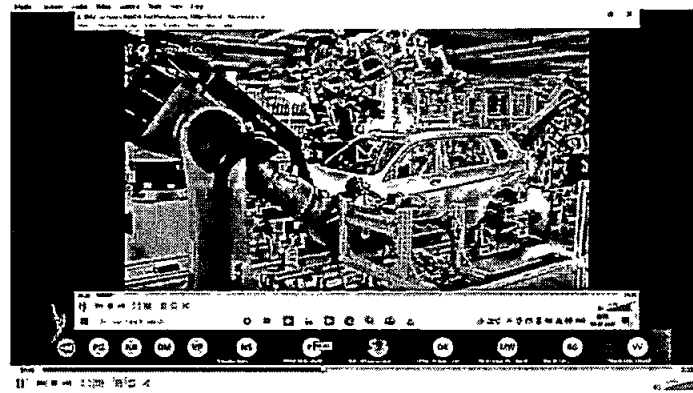
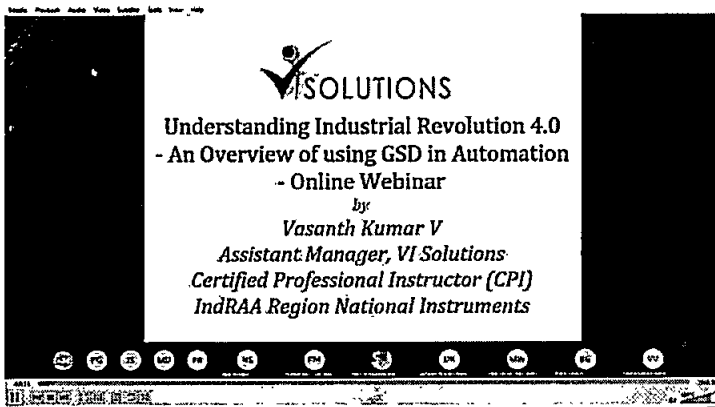


DAY-2, SESSION-2 by Mr. YASHWANTH, TECHNICAL MARKETING HEAD, ARUBA HP
DIGITAL TRANSFORMATION TECHNOLOGIES FROM INDUSTRY 3.0 TO 4.0.

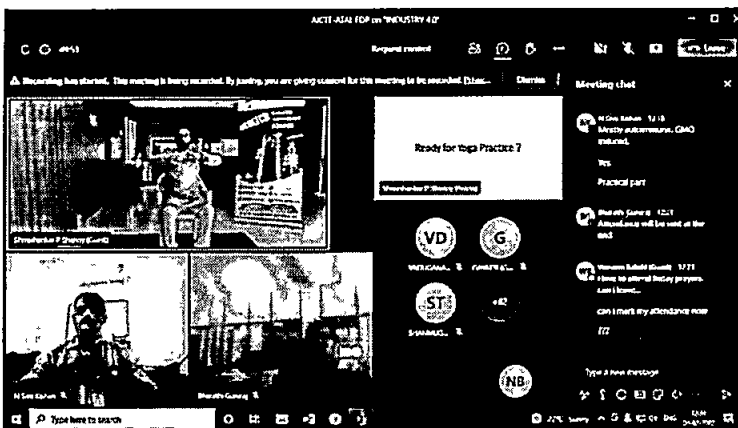


DAY-2, SESSION-3 by Mr. RAJKUMAR R, SENIOR APPLICATION ENGINEER, VI SOLUTIONS
Hands on LabVIEW Based Data Acquisition & Sensor Integration-

ATAL FDP ON "INDUSTRY 4.0"



DAY-5, SESSION-1 by Mr. VASANTH, VI SOLUTIONS UNDERSTANDING INDUSTRIAL REVOLUTION 4.0 -AN OVERVIEW



DAY-5, SESSION-2 by Mr. SHIVASHANKAR SHENOY, FOUNDER , PRADIPIKA YOGA STUDIO YOGA PRACTICE, MEDITATION, UNDERSTANDING HUMAN VALUES

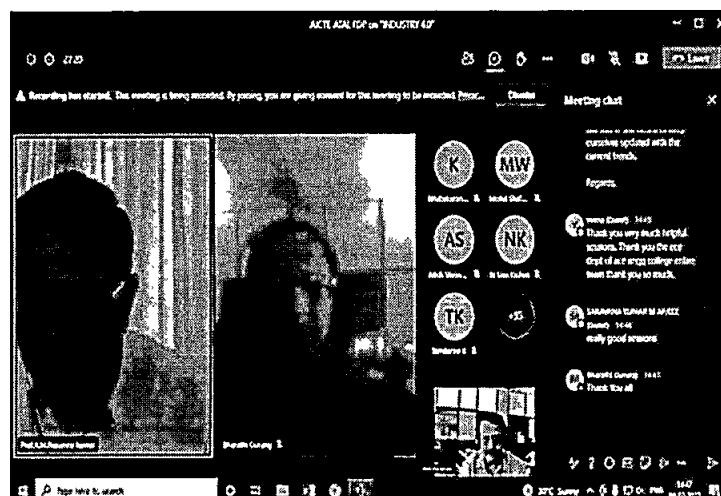
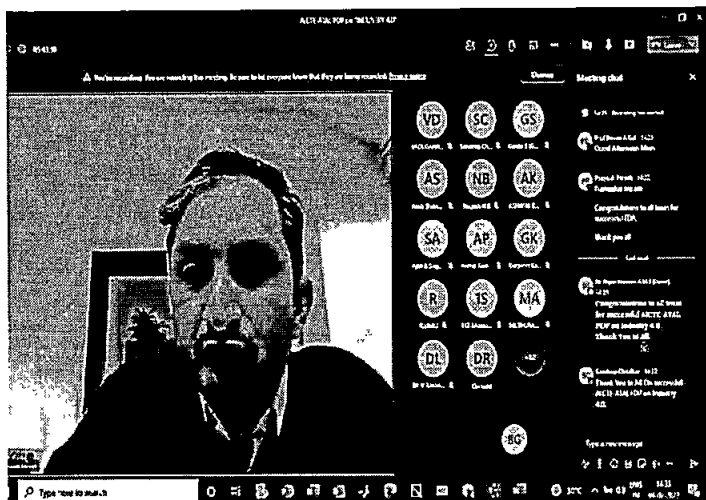
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ATAL FDP ON "INDUSTRY 4.0"



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was a great Initiative by AICTE- ATAL Academy. We am very much thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members of AICTE approved institutions of India free of cost. We got huge overwhelming response for registration as well as lots of compliments of arranging the online FDP, its content, and for hands on sessions. We are very much thankful to our Management, Principal, and faculty members of our Institute and not but the least all the participants from various colleges across India.

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FEEDBACK GIVEN BY PARTICIPANTS IN MICROSOFT TEAMS

pp Peeyush Pareek 14:22
Namaskar ma'am

Congratulations to all team for successful FDP.

thank you all

Last read

DJ Dr Niyaz Hussain A M J (Guest)
14:29

Congratulations to all team for successful AICTE-ATAL FDP on Industry 4.0.
Thank You to All

SC Sandeep Chitalkar 14:32
Thank You to All On successful AICTE-ATAL FDP on Industry 4.0.

MY Mareeswari V 14:33
Congratulations to all the members for successful AICTE-ATAL FDP on Industry 4.0.

AS Atish Shrinivasa 14:44

Thank you all the members of organizing team and I am grateful to all the speakers for knowledge sharing. All the sessions were excellent. Looking forward to have few more FDPs like this in the future to keep ourselves updated with the current trends.

Regards,

veena (Guest) 14:45

Thank you very much helpful sessions. Thank you the ece dept of ace engg college entire team thank you so much.

SA SARAVANA KUMAR M AP/EEE (Guest) 14:46
really good sessions

14:47

Thank You all

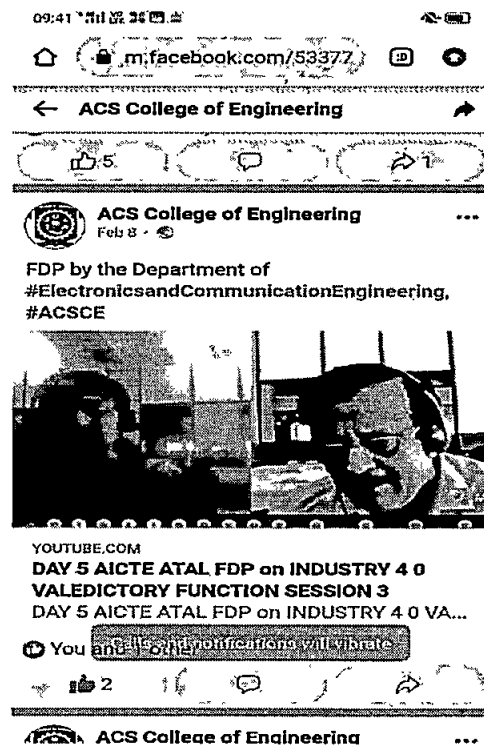
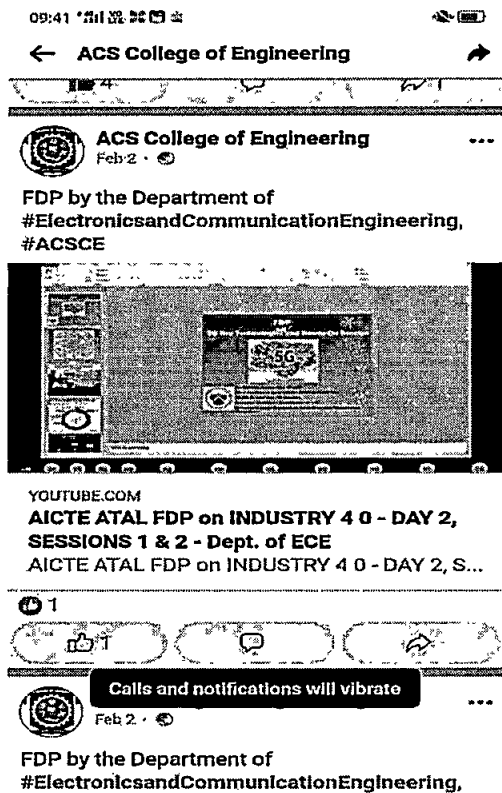
Last read

DJ Dr Niyaz Hussain A M J (Guest)
14:29

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Thank You to All

SC Sandeep Chitalkar 14:32
Thank You to All On successful AICTE-ATAL FDP on Industry 4.0.

ATAL FDP ON "INDUSTRY 4.0"



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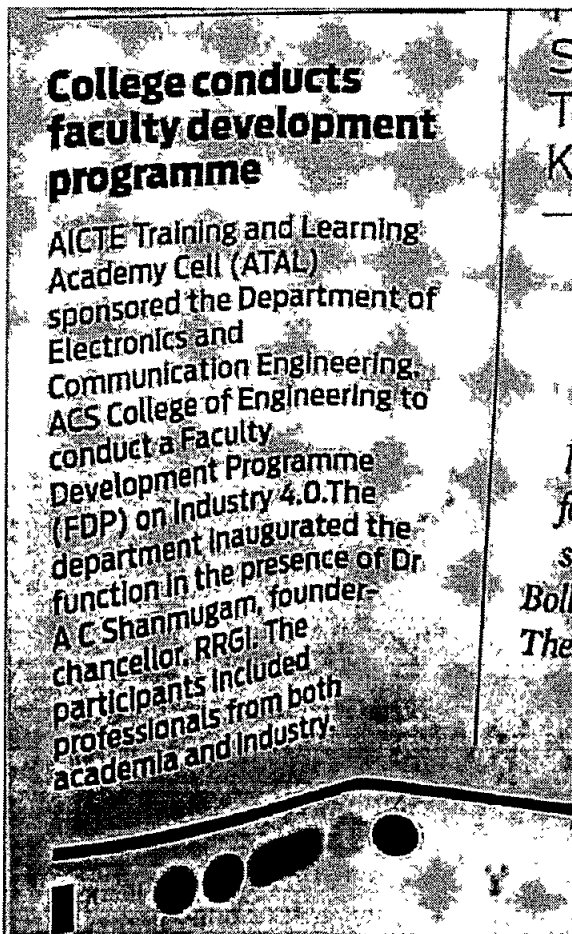
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Department of Electronics and Communication Engineering

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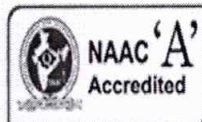
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14	1AH19EC015	NANDAN C L
15	1AH19EC016	NAVYA H B
16	1AH19EC017	NETHRAVATHI C
17	1AH19EC018	NIKHIL SWAMY B C
18	1AH19EC019	NIKITHA S
19	1AH19EC020	MADHUMITHA P
20	1AH19EC021	PRAJWAL M
21	1AH19EC022	PRASHANTH D
22	1AH19EC023	PRASHANTH HALAGERI C
23	1AH19EC024	PREETHI S
24	1AH19EC025	PAVAN RAJ S
25	1AH19EC026	SAJIN S
26	1AH19EC027	SANGANA BASAPPA
27	1AH19EC028	SANGEETHA M
28	1AH19EC029	SATISH H S
29	1AH19EC030	SONIYA J
30	1AH19EC031	SRI SAI KIRAN R
31	1AH19EC033	SYED WASEEM BOKHARI
32	1AH19EC034	TULASI K P
33	1AH19EC035	VIJAYALAKSHMI K
34	1AH19EC036	VISHAL B L
35	1AH19EC037	YASHMICA T M
36	1AH18EC002	ABHU SUFIYAN
37	1AH18EC017	MAHESH B.G
38	1AH18EC031	SANJAY KUMAR B K
39	1AH18EC034	SUNIL KUMAR B K
40	1AH18EC044	RITVOSH GHOSH

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**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Team Building Activity
2.	YEAR / ODD –EVEN SEMESTER	2021/ODD
3.	DAY AND DATE	22-12-2021
4.	VENUE	ACSCE Auditorium
5.	DURATION	1 Day
7.	ORGANIZED BY	ECE
8.	PARTICIPANTS	100 Students
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Ashwini A.M.
Name of the Co-Ordinator

BG
HOD, ECE



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**DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION
ENGINEERING**

INVITATION

We cordially invite one and all

For

“SEMINAR / WEBINAR”

On

Team Building Activity

22.12.2021

Resource Person

Dr. bharathi Gururaj

DAY: 01

VENUE: 3rd Floor Seminar Hall-3
Department of ECE, ACSCE, Bangalore



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FIRST YEAR INDUCTION PROGRAM SESSION REPORT

SESSION TITLE	TEAM BUILDING ACTIVITIES
DATE & TIME	22.12.2021, 1:30PM TO 3:30 PM
NAME OF RESOURCE PERSON	Dr. Bharathi Gururaj & Team
Key points in Session	Team building activities
Number of Students	100

The Session started with the coordinator introducing ECE department staff to students and a brief introduction of Department by showing a Video of the department to students. The final year student group conducted the activities to students of First year:

Activities conducted by Students: i) Guessing the movie names by emoji's

ii) Blowing the Balloon

iii) Picking the thermal balls by straw's

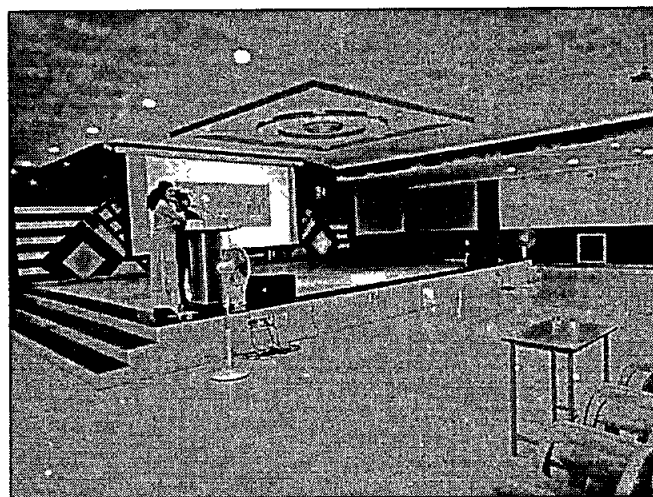
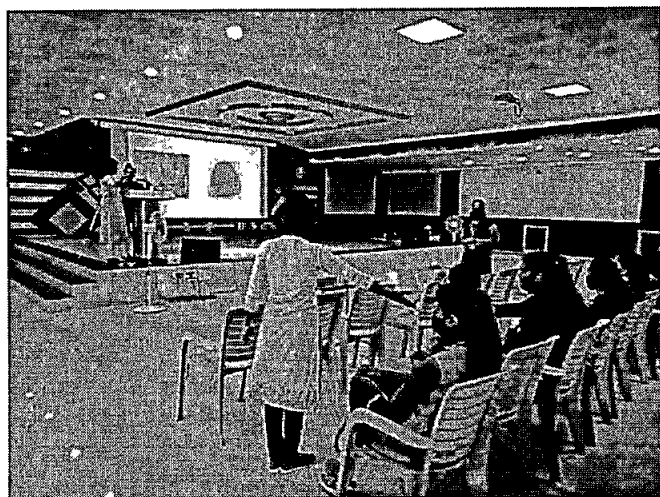
iv) one – minute Selfie by camera's

v) Memory Game

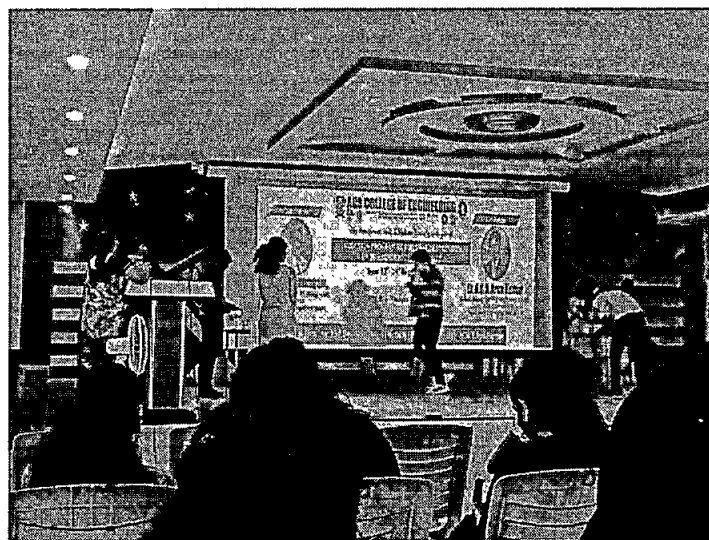
vi) Dumb charades

The student coordinators explained the Rules and regulations for each activity and collected the list of participants. The students participated very actively in all the games.

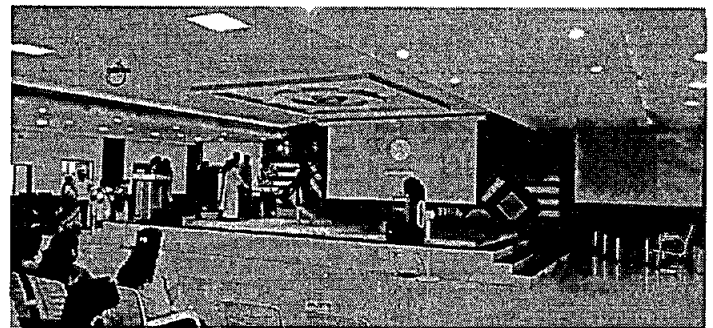
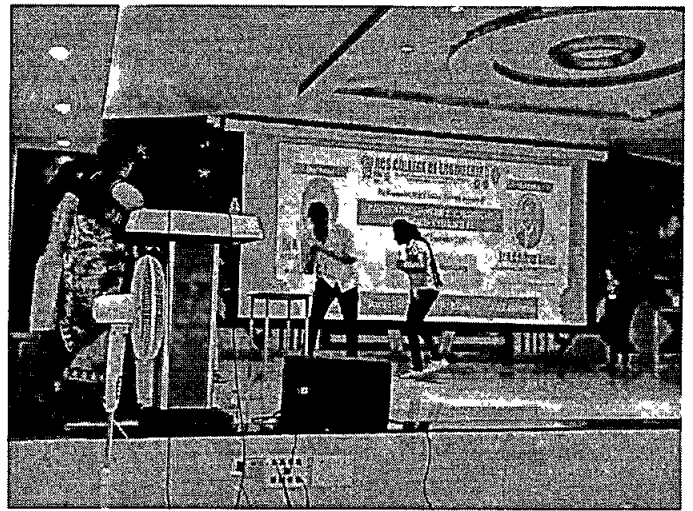
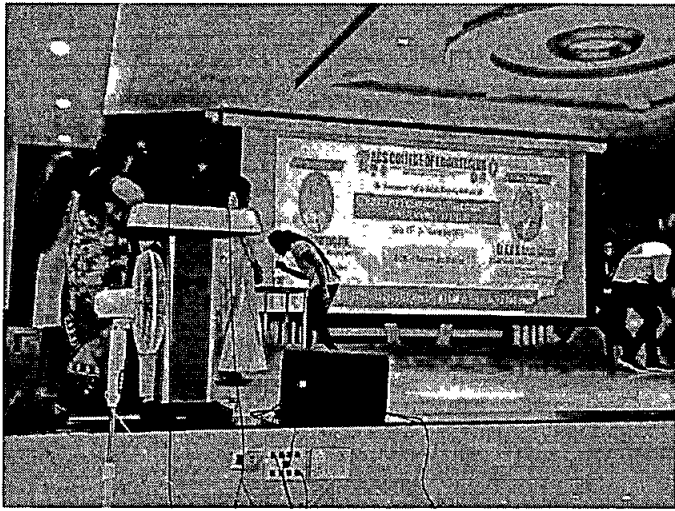
Snap shots of the activities:



Students' participation in Guessing the movie names by Emoji's



Students' participation in Blowing Balloons



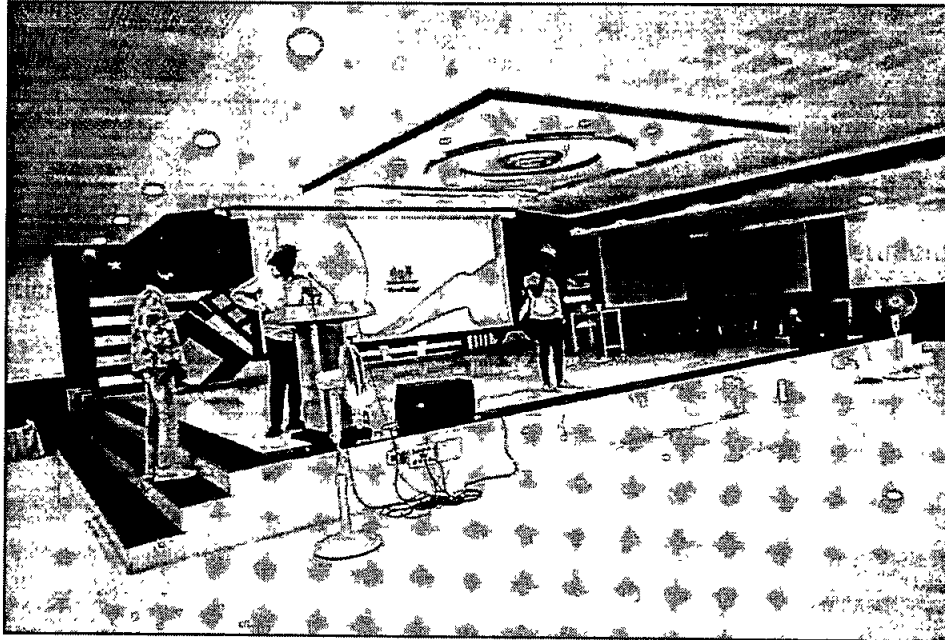
Students participating in picking Thermocol balls.



Students participating in taking Selfie 's in a minute

Finally, the activities concluded announcing the winners foreach game. The students were actively participated.

Students participating in Memory game





Department of Electronics and Communication Engineering
Attendance

SL.NO	USN	STUDENT NAME
1	1AH20EC001	ABHISHEK PATIL
2	1AH20EC002	ADITHYA K C
3	1AH20EC003	AKSHAY S
4	1AH20EC004	BAHUBALI RAJ A
5	1AH20EC005	BHAVANA M
6	1AH20EC006	BRUNDA M
7	1AH20EC007	DARSHAN B SHETTY
8	1AH20EC008	HARSHA PATIL N B
9	1AH20EC009	HEMANTH KUMAR K B
10	1AH20EC010	MOHAMMAD JAWAD
11	1AH20EC011	MOHAMMED MUSTAQEEM
12	1AH20EC012	MOHAMMED TOUHEED
13	1AH20EC013	MOULYA H T
14	1AH20EC014	PRATHIKSHA C S
15	1AH20EC015	SACHIN N
16	1AH20EC016	SRIGANESH H S
17	1AH20EC017	TEJASH M U
18	1AH20EC018	Bhanu Teja

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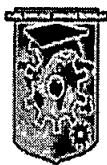


Department of Electronics and Communication Engineering

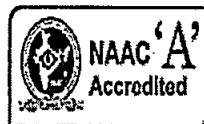
Seminar Attendance

SL.NO	USN	STUDENT NAME
1	1AH19EC001	AMITH DEEPAK PAWAR
2	1AH19EC003	CHANDAN G B
3	1AH19EC004	CHEETHANA M NIJAGULI
4	1AH19EC005	DEEPU Y
5	1AH19EC006	FAISAL AHMED
6	1AH19EC007	FARHAN MEHDI
7	1AH19EC008	PADMA REDDY G
8	1AH19EC009	JEEVITHA S
9	1AH19EC010	KAVYA M H
10	1AH19EC011	KESAR M R
11	1AH19EC012	LAKSHMI S
12	1AH19EC013	MANMOHAN SHARMA
13	1AH19EC014	MEGHANA N
14	1AH19EC015	NANDAN C L
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22	1AH19EC023	PRASHANTH HALAGERI C
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24	1AH19EC025	PAVAN RAJ S
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26	1AH19EC027	SANGANA BASAPPA
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**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Hands on Lab view & Virtual Instrumentation
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	31-02-2022
4.	VENUE	ACSCE, Seminar Hall-2
5.	DURATION	1 Day
6.	Resource Person	Mr. Vasanth Kumar V, Assistant Manager, VI Solutions
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	70
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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**DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION
ENGINEERING**

INVITATION

We cordially invite one and all

For

“SEMINAR / WEBINAR”

On

Hands on Lab view & Virtual instrumentation

31.02.2022

Resource Person

Mr. Vasantha Kumar

DAY: 01

VENUE: 3rd Floor Seminar Hall-3
Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on Hands on Labview &
Virtual Instrumentation

Date: 31-01-2022

SPEAKERS/ COMPANY: Mr.Vasanth Kumar V,
Assistant Manager, VI Solutions

VENUE: ACSCE

LabVIEW (short for Laboratory Virtual Instrument Engineering Workbench) is a graphical programming language and development environment developed by National Instruments. It is a software tool that enables engineers and scientists to create custom applications that interact with real-world data or signals. In LabVIEW, users can create virtual instruments (VIs) using a drag-and-drop graphical interface. A VI is a software representation of an instrument, sensor, or process. The graphical user interface of a VI can include buttons, knobs, graphs, and charts, among other elements. Users can also use LabVIEW to create custom data acquisition and control systems by integrating hardware

devices, such as data acquisition boards, motion controllers, and cameras.

LabVIEW supports a variety of programming paradigms, including dataflow, event-driven, and object-oriented programming. It also includes a large library of built-in functions and tools, such as signal processing, analysis, and control algorithms. With LabVIEW, users can develop applications for a variety of platforms, including Windows, Mac, and Linux, as well as embedded systems and mobile devices.

Overall, LabVIEW is a powerful tool for engineers and scientists who need to develop custom applications for data acquisition, control, and analysis. Its intuitive graphical programming interface and broad hardware support have made it a popular choice in various industries and applications.



Department of Electronics and Communication Engineering

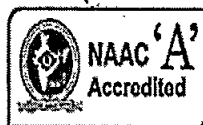
Seminar Attendance

SL.NO	USN	STUDENT NAME
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31	1AH19EC033	SYED WASEEM BOKHARI
32	1AH19EC034	TULASI K P
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**DEPARTMENT
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ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on 5G Key Technologies for Industry 4.0 & Hands-On Using Matlab 5G toolbox OMNET++ & NS3
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	01-02-2022
4.	VENUE	ACSCE, Seminar Hall-2
5.	DURATION	1 Day
6.	Resource Person	Dr. Siddalingappagouda Biradar Dayananda Sagar Academy of Technology and Management, Bangalore.
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	70
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

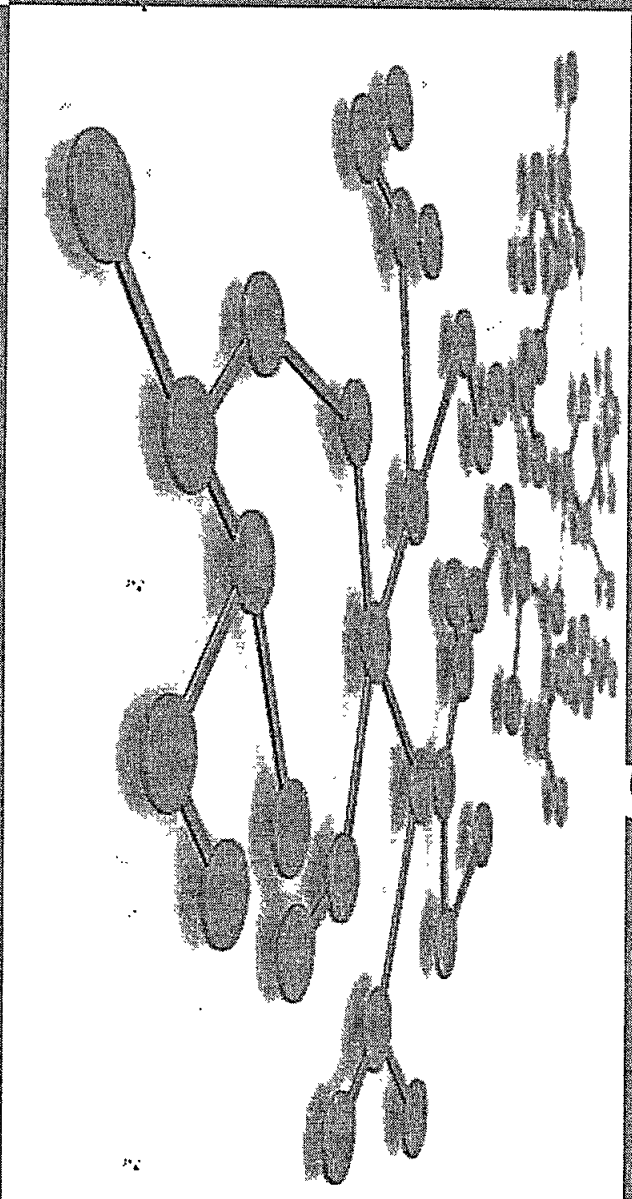
Name of the Co-Ordinator

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FDP no

5G Wireless Network: Key

Technologies



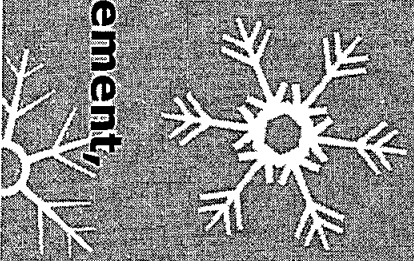
Dr. Siddalingappagouda Biradar

Cisco Certified Trainer (CCNA, CCNP & DEVNET)

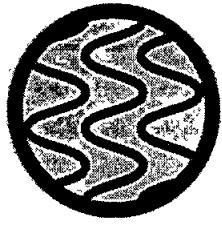
5G-NR Researcher, 5G-Speaker,

Associate Professor, Department of ECE,

**Dayananda Sagar Academy of Technology and Management,
Bangalore.**



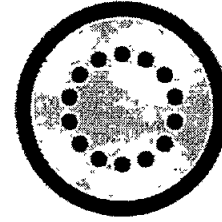
5G



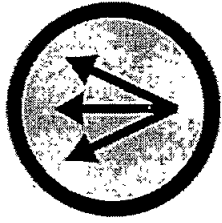
Millimeter Waves



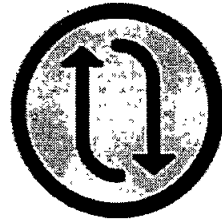
Small Cell



Massive MIMO



Beamforming



Full Duplex

A

LOW FREQUENCY

B

DATA TRANSFER (LOW)

A

MID FREQUENCY

B

DATA TRANSFER (MEDIUM)

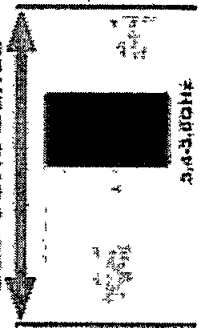
A

HIGH FREQUENCY

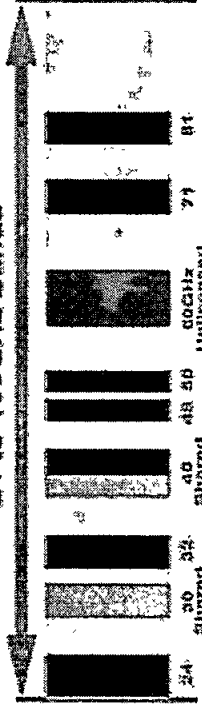
B

DATA TRANSFER (HIGH)

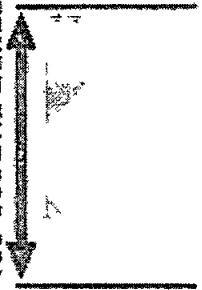
Sub-6GHz Bands



24 to 100GHz Bands



100-300GHz Bands

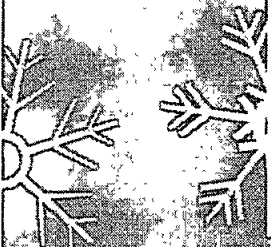
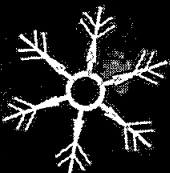
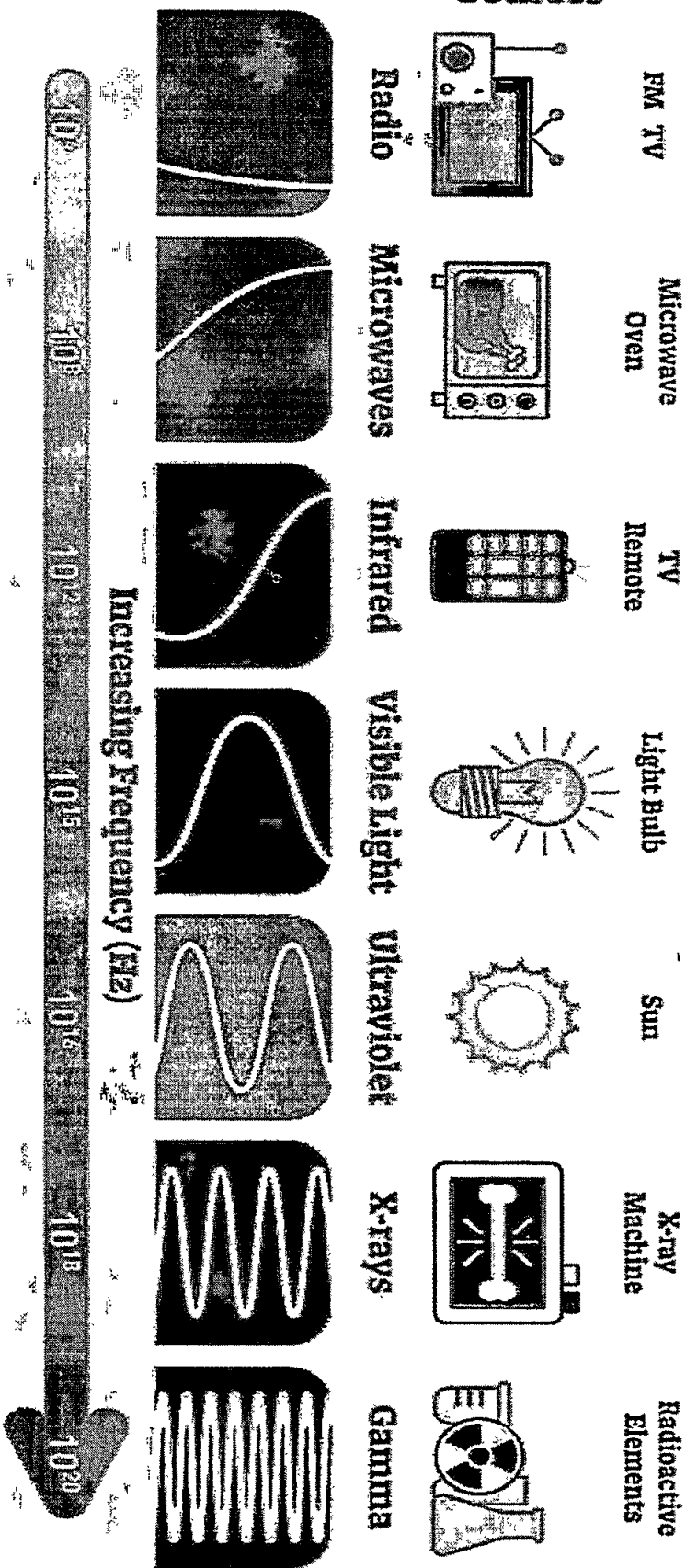


5G mmWave

100% 5G

ELECTROMAGNETIC SPECTRUM

Sources



Millimeter Wave

❖ High Bandwidth: 24GHz-100GHz

❖ High Frequency Band: 30GHz-300GHz

❖ Narrow Wavelength: 1-10mm

❖ Small Size Antenna

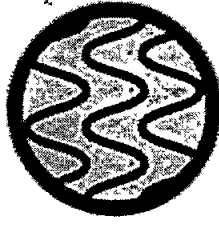
❖ Non-Ionizing Radiation Spectrum

❖ High Speed & Performance

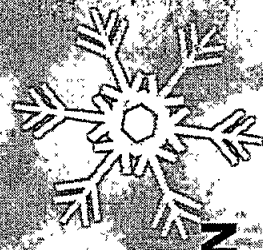
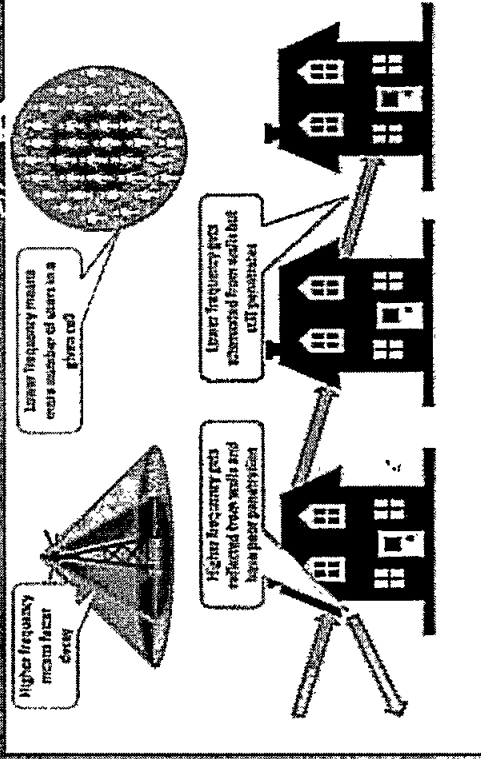
❖ Short Distance-500mtrs, Less Coverage Area

❖ High Propagation Loss

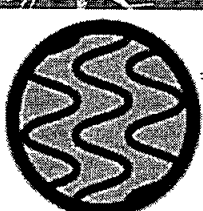
❖ Cost of Deploying-Base Stations/Antennas/Backhaul



Millimeter
Waves



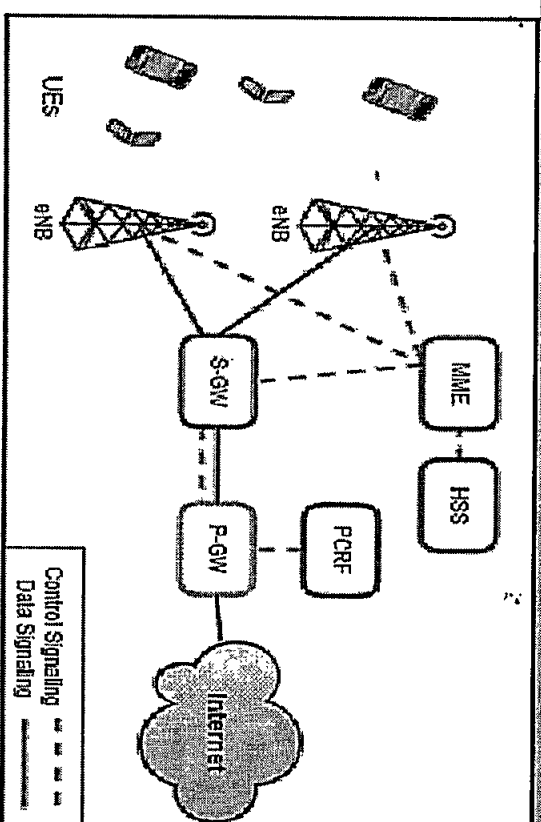
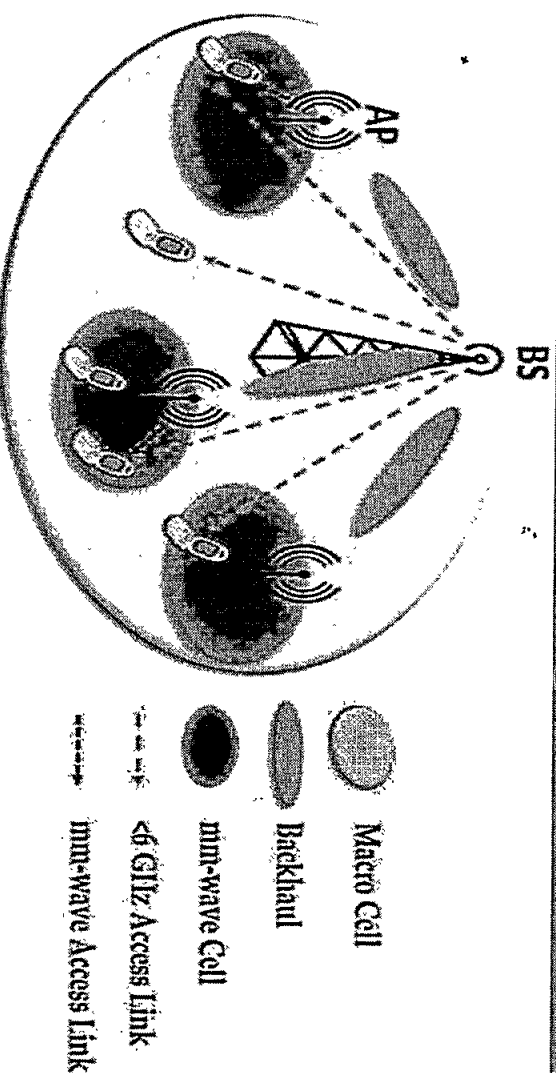
Impossible Challenges, Made Possible



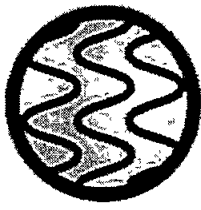
Millimeter
Waves

❖ Already Implemented in **China, South Korea and US** etc are leading the world in 5G Technology, Edge of implementing **Canada, Hong Kong and Thailand.**

❖ 3GPP Release 16 beyond are building on the solid 5G NR technology foundation to bring even better mmWave system capability, performance, and efficiency and 17+ will further enhance IAB by bringing new features like **full-duplex operation, topology redundancy, dynamic topology adaptation for load balancing, blockage mitigation and ML-based network management.**



Without IAB



Millimeter Waves

made by treemall.com



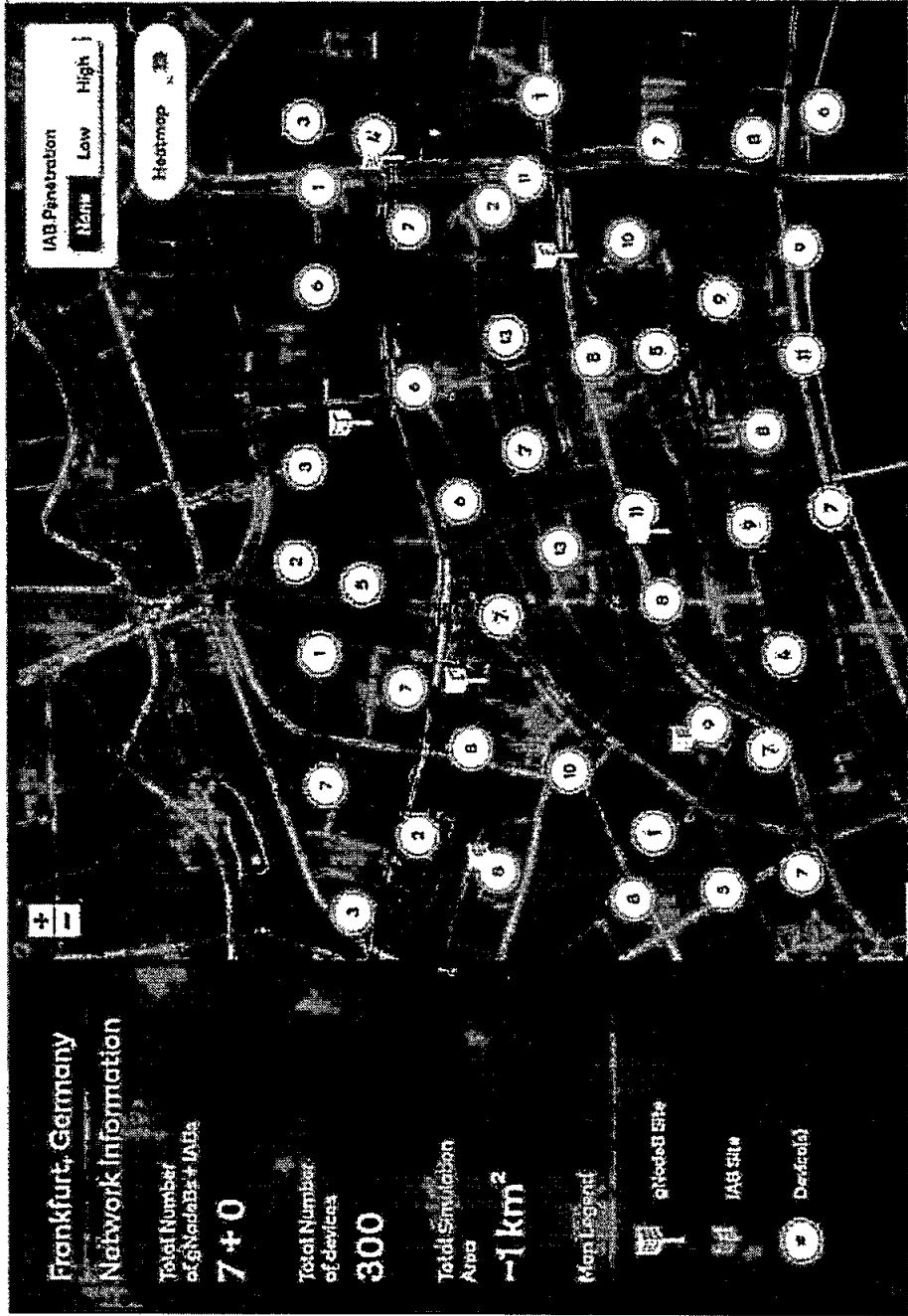
Integrated Access and Backhaul

Multiple Transmitters Per User

Network Slicing

5G mmWave Technology Evolution

Qualcomm 5G



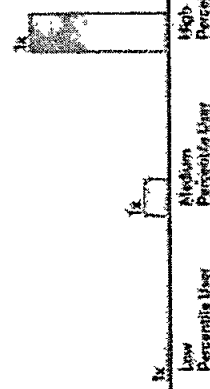
Network Throughput Improvement



Low IAB Penetration

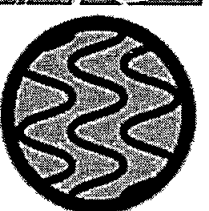
High IAB Penetration

Average Device Downlink Signal Improvement



Source: www.qualcomm.com/whats-future-5g-millimeter-wave

With High IAB



**Millimeter
Waves**

Qualcomm 5G

5G mmWave Technology Evolution

Frankfurt, Germany

Network Information

**Total Number
of gNodeBs + IABs**

7 + 28

**Total Number
of Devices**

300

**Total Simulation
Area**

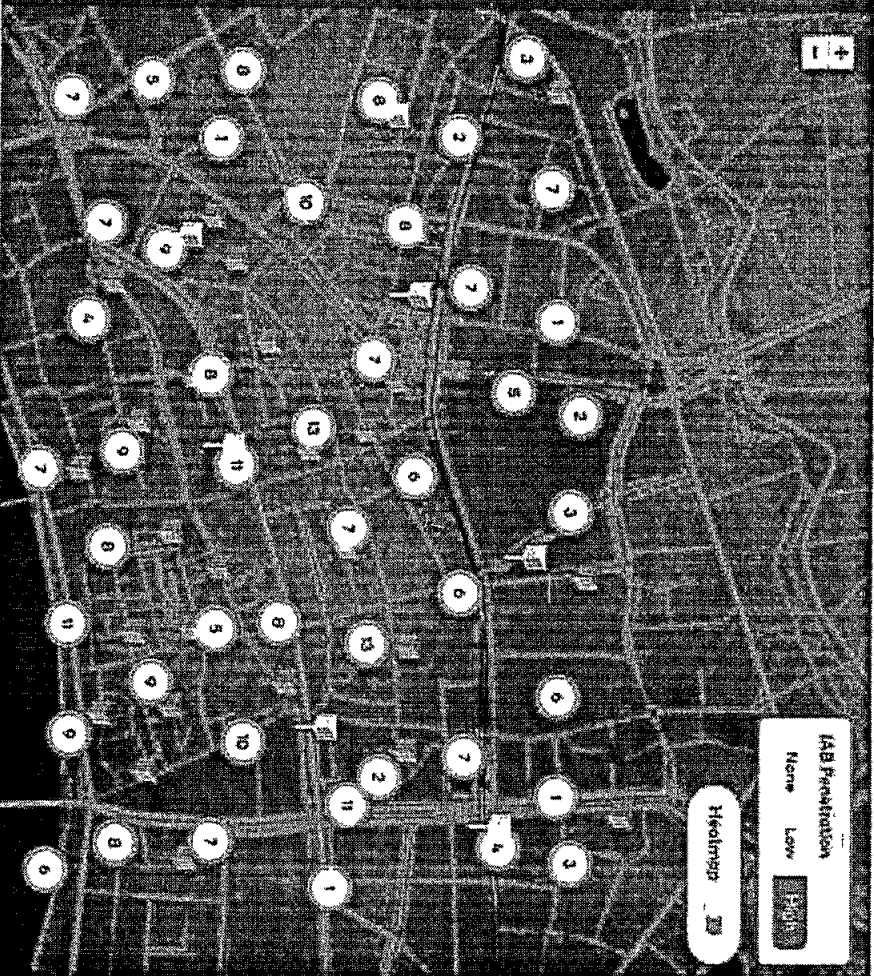
~1 km²

Map Legend

gNodeB Site

IAB Site

Device(s)



IAB Penetration

Name

Low

High

Heilmann

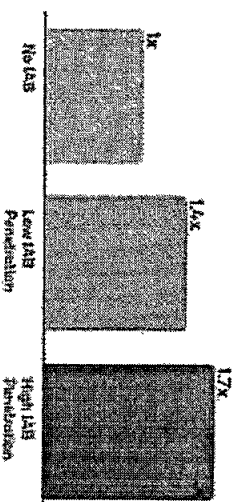
**Integrated Access
and Backhaul**

Integrated by T-Mobile

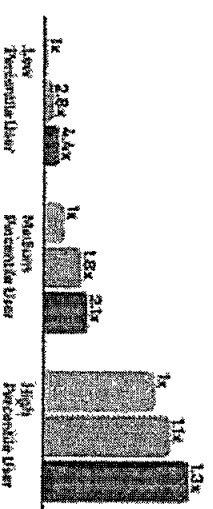
**Multiple Transmission
Points**

**Dynamic
Resource Sharing**

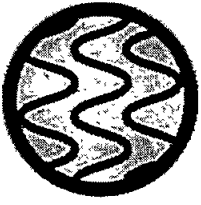
Network Throughput Improvement



Average Device Downlink Signal Improvement



With No IAB-Less Coverage Area



Millimeter Waves

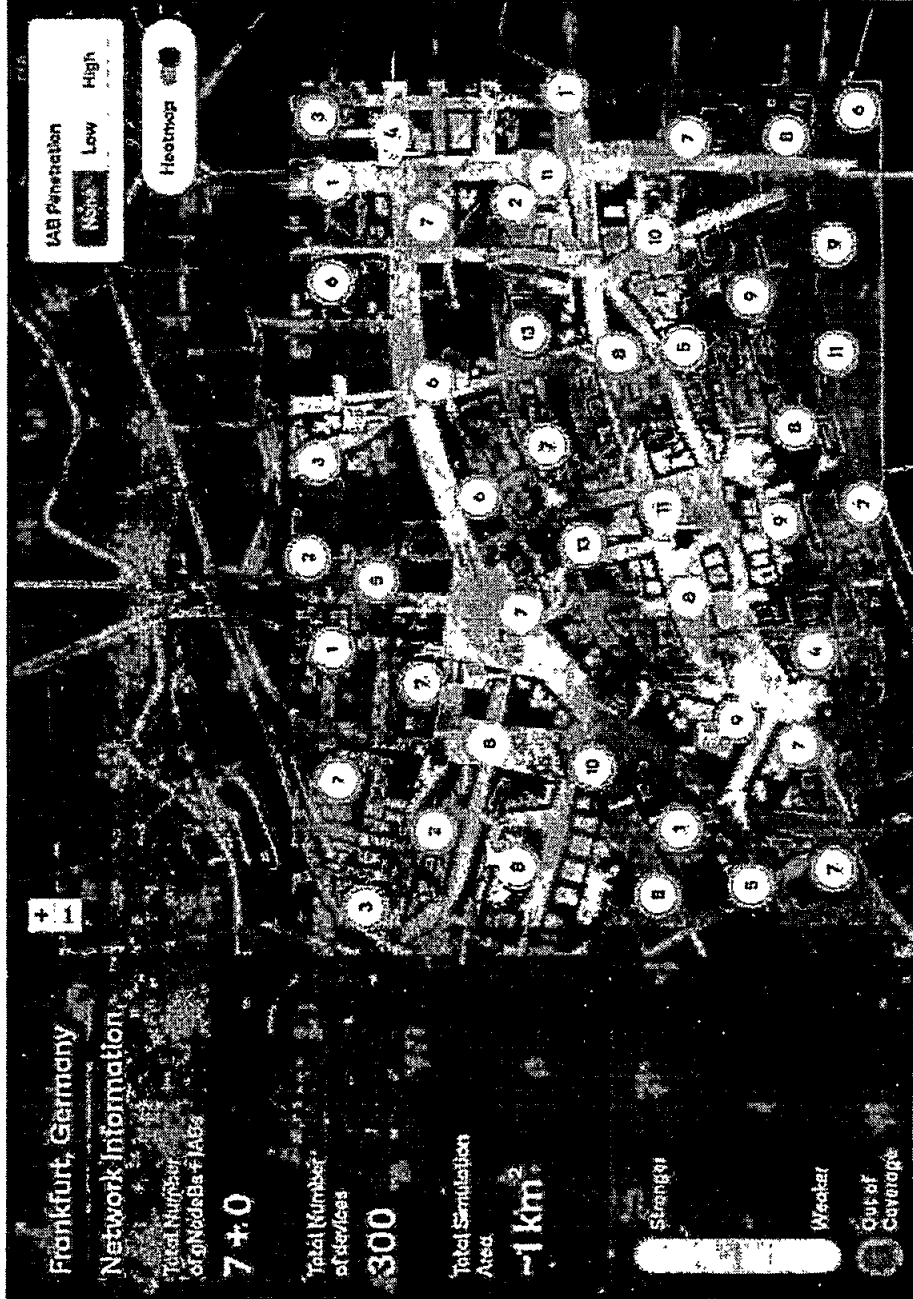
Qualcomm 5G

5G mmWave Technology Evolution

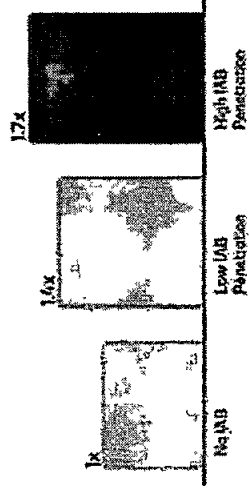
Integrated Access and Backhaul

As-a-Service Performance Points

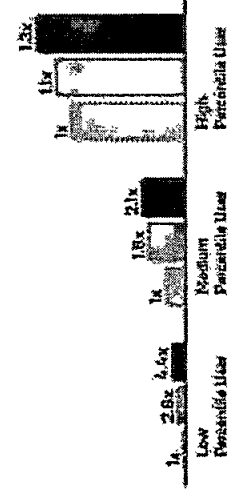
Device Power Saving



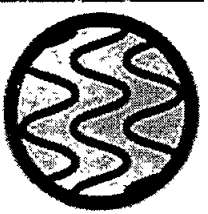
Network Throughput Improvement



Average Device Downlink Signal Improvement



With IAB-High Coverage Area



Millimeter Waves

enabled by 5G

Integrated Access and Backhaul Multiple Transmission Points Power Saving

5G mmWave Technology Evolution

Frankfurt, Germany

Network Information

Total Number of gNBs: 7 IABs

7 + 28

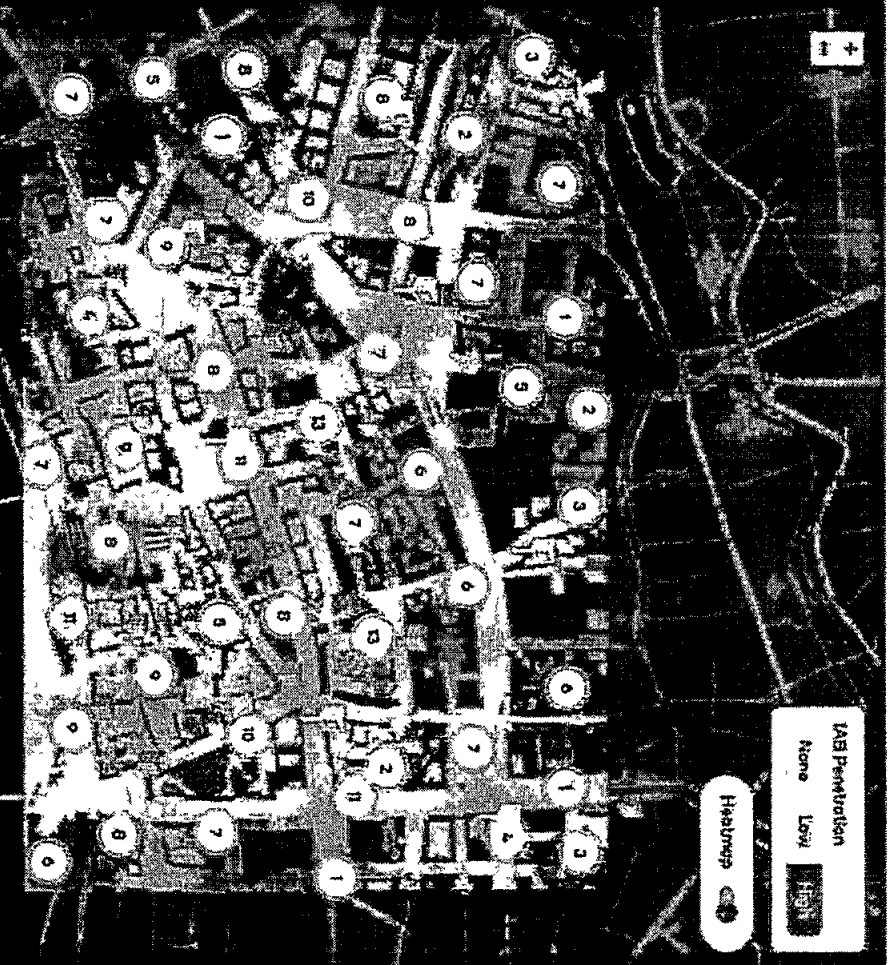
Total Number of devices

300

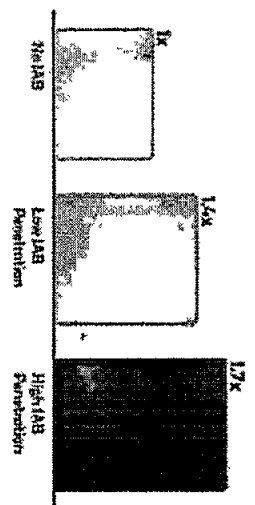
Total Simulation Area

~1 km²

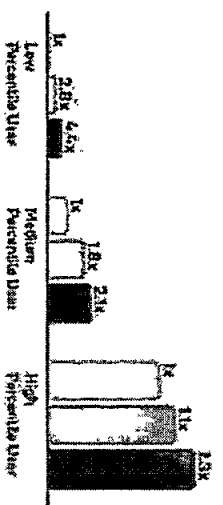
Stronger
Weaker
Out of Coverage



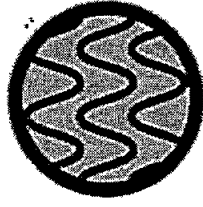
Network Throughput Improvement



Average Device Downlink Signal Improvement

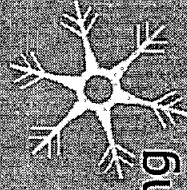


Enhanced Beam Management & Robustness



Millimeter
Waves

5G Ericsson Fixed Wireless Access (FWA) which delivers fiber-like internet speeds wirelessly over 5G mmWave for homes and business-rural areas, schools, hospitals and town halls.

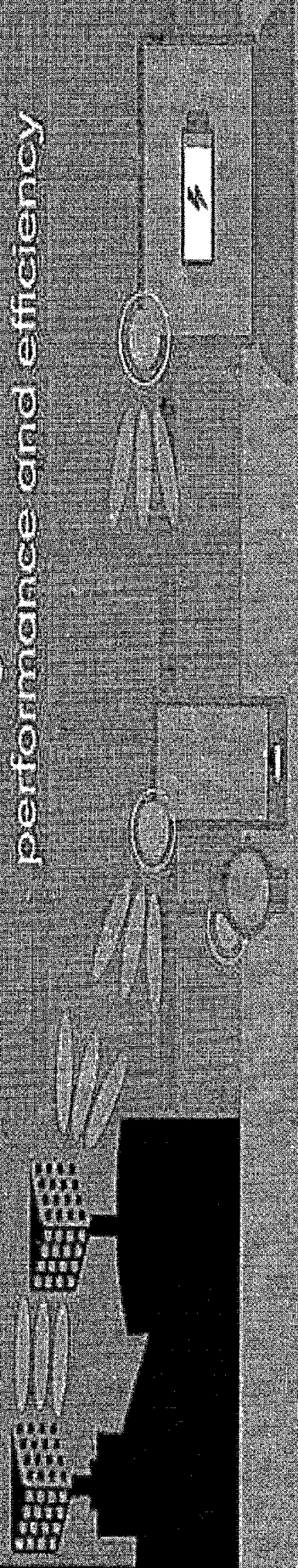


5G high-band coverage limitation is being mitigated by extending cell coverage using **Ericsson 5G Carrier Aggregation** it also increases capacity and higher data speeds.



5G Ericsson extended range software has successfully delivered high data speeds on **26 GHz mmWave** frequencies over a distance of **7 kilometres**

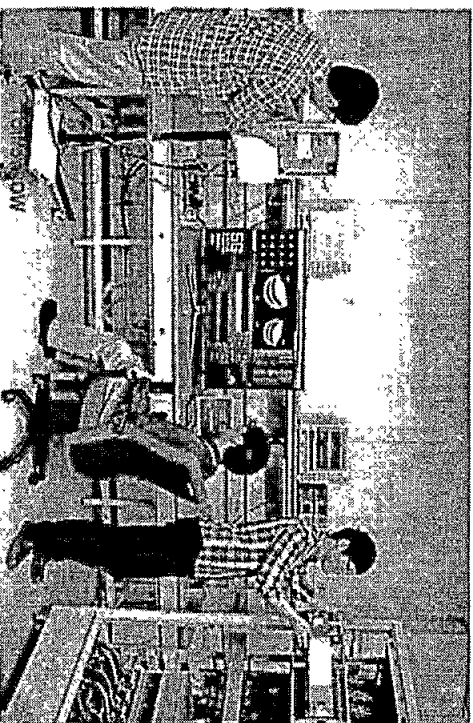
Evolving mmWave for better performance and efficiency



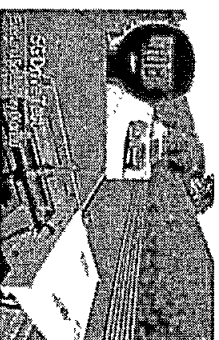
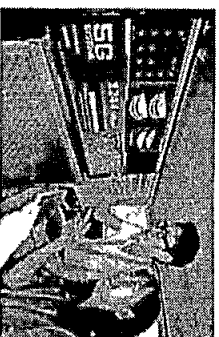


❖ In April 2020, **Samsung Networks** announced it achieved the industry's fastest 5G download speed of 8.5 Gbps across multiple devices and MU-MIMO technology in a lab.

❖ Samsung is also currently working on expanding the coverage of mmWave FWA services to a few kilometres.

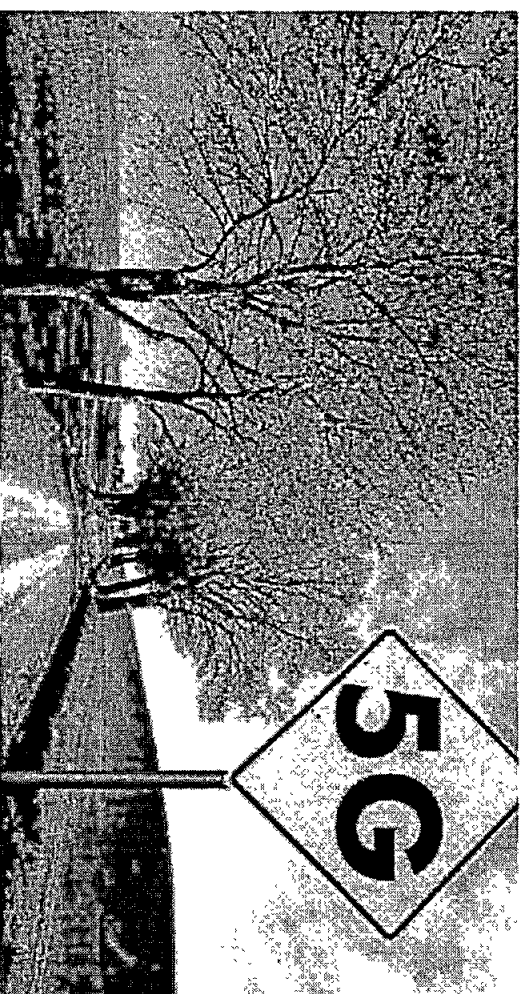


In 2013, Samsung Electronics successfully demonstrated the world's first 5G connectivity at a speed of 12Gbps



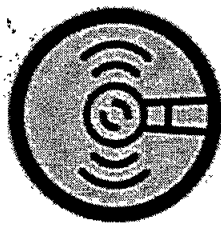
In 2014, Samsung Electronics successfully demonstrated global mobile 12Gbps throughputs at speeds of 12Gbps

#5g #5gnr #5gtechnology



UScellular, Nokia, Qualcomm stretch 5G mmWave 10 km in new record

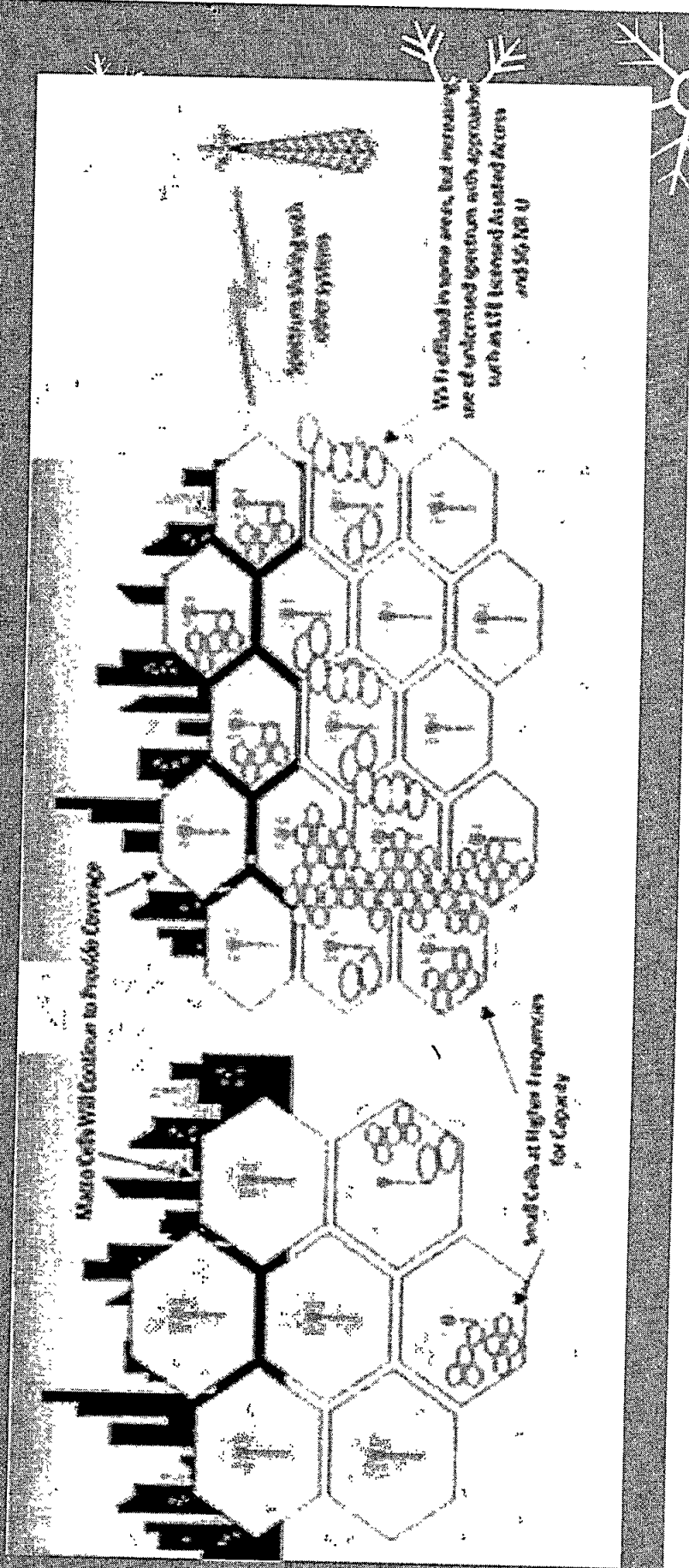
Small Cell



Small Cell

Small cell make use of low power, short range wireless transmission systems (or Base stations) that cover small geographical areas or small proximity indoor and outdoor spaces.

There are three types of small cells in the industry today: **Femtocells, Picocells and Microcells**





Small Cell

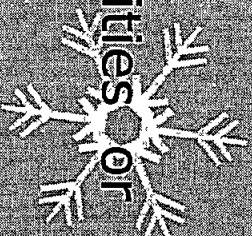
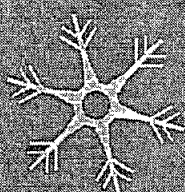
Type of Small Cell	Coverage Radius	Indoor Outdoor	Transmit Power	Number of Users	Backhaul Type	Cost
Femtocells	30 - 165 ft 10 - 50 m	Indoor	100 mW 20 dBm	8 - 16	Wired, Fiber	Low
Picocells	230 - 820 ft 100 - 250 m	Indoor Outdoor	250 mW 24 dBm	32 - 64	Wired, Fiber	Low
Microcells	1600 - 8000 ft 500 - 2500 m	Outdoor	2000 5000 mW 33 - 37 dBm	200	Wired, Fiber, Microwave	Medium

Femtocells Application: In-Building, in-Aircraft.

Pico-cells Application: -offices, hospitals, shopping complexes, schools and universities

Micro-cells: malls, hotels, unique spaces within smart cities or transportation hubs.

The global investment in 5G small cell technology is set to increase from \$175m in 2019, to \$15.9bn by 2026



Small Cell Towers

Advantages

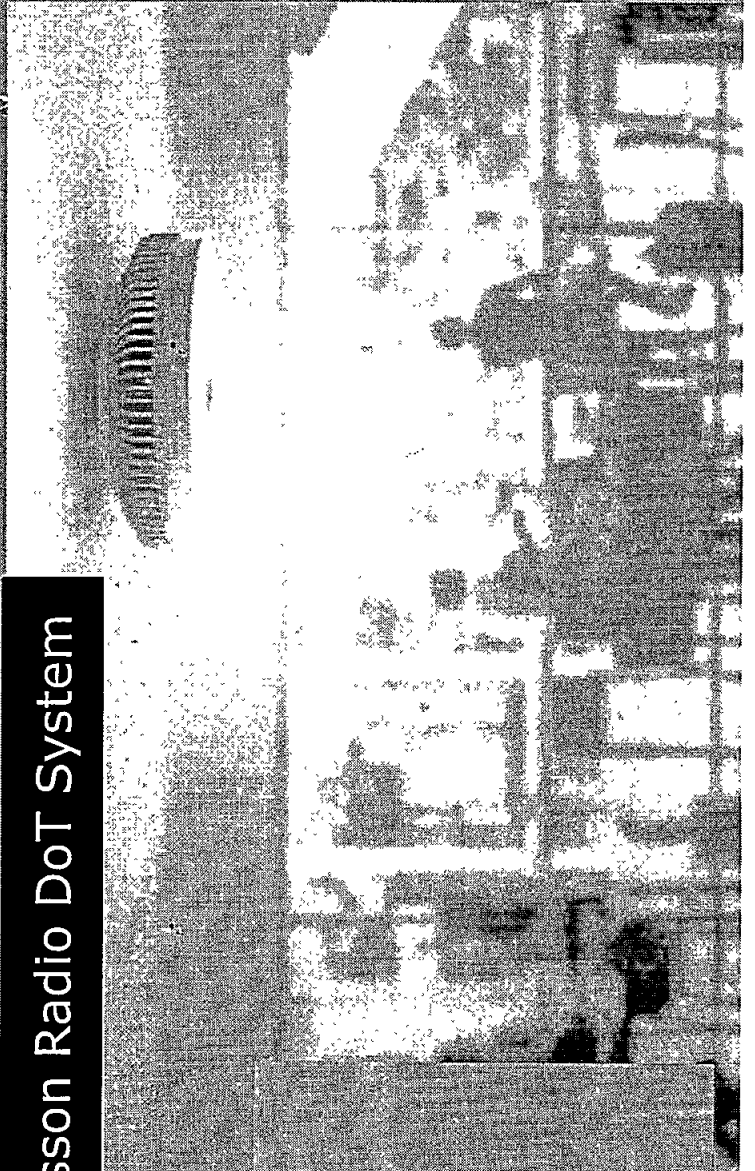
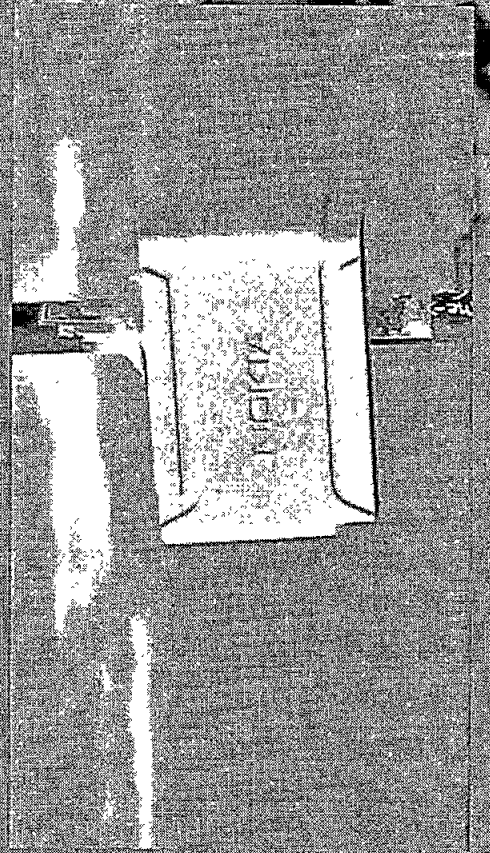
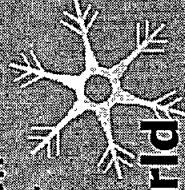
- ❖ **Easy to install, Low Cost, Small Size, High Performance, Self configuration** cover a small geographical area or indoor / outdoor applications.

More than 120 operators in over 70 countries around the world have deployed Ericsson Radio Dot System in venues including airports, lamp post, hotels, hospitals, shopping malls, offices, stadiums and residences.

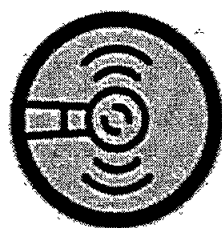
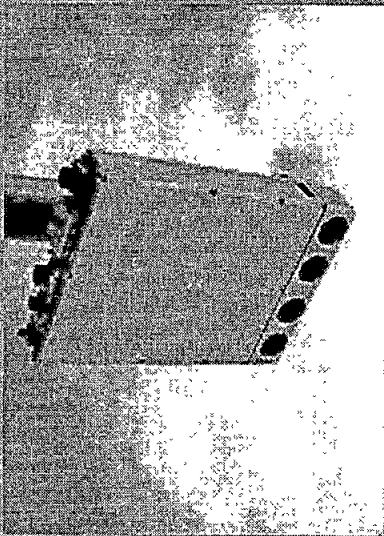
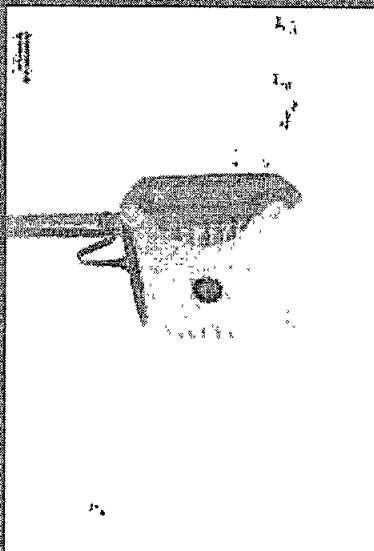
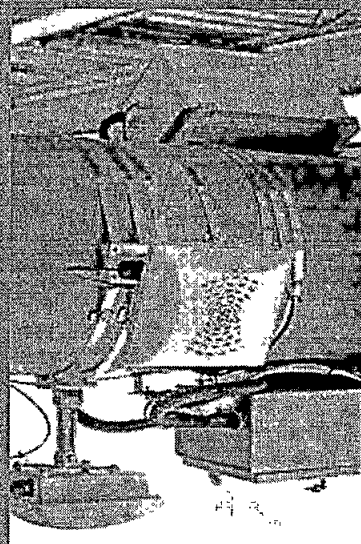
Ericsson Radio Dot System



Small Cell



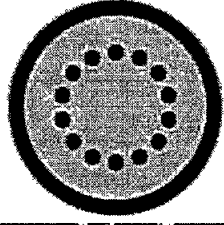
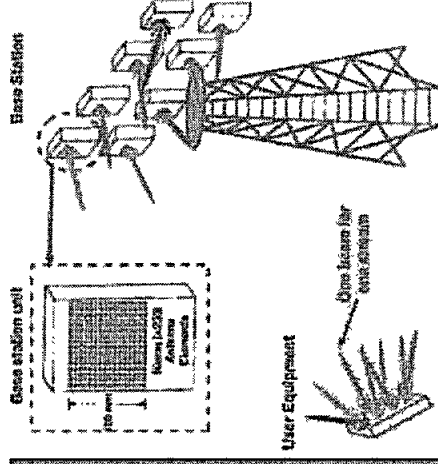
Small Cell Antennas



Small Cell



Massive MIMO



Massive MIMO

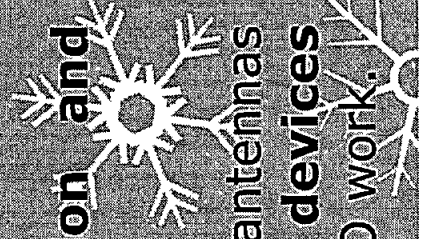
Massive Multiple Input Multiple Output technology (MIMO) is one of the major keys to unlocking the experience like **video chatting, streaming HD Videos** for 5G user.

Massive MIMO — which is an extension of MIMO — expands beyond the legacy systems by adding a much **higher number of antennas on the base station.**

Multiple antennas **to enhance connectivity** and offer better **speeds and user experiences.**

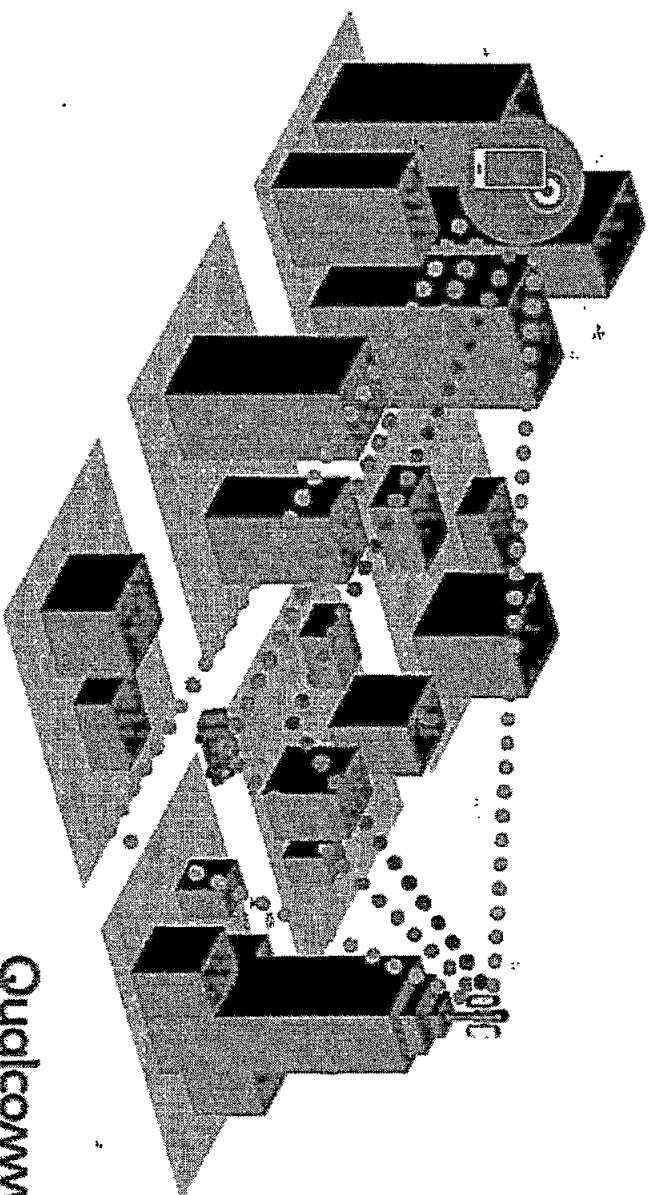
MIMO systems require a combination of **antenna expansion and complex algorithms.**

MIMO algorithms come into play to control how data maps into antennas and where to focus energy in space. **Both network and mobile devices** need to have **tight coordination** among each other to make MIMO work.



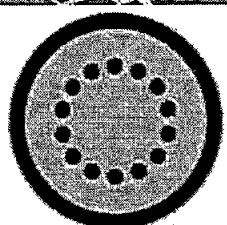
Massive MIMO

- ❖ MIMO capitalize on three key concepts, which are **Spatial Diversity**, **Spatial Multiplexing**, and **Beamforming**:
- ❖ Diversity aims at improving the reliability of the system by sending the data across different propagation, or spatial, paths.

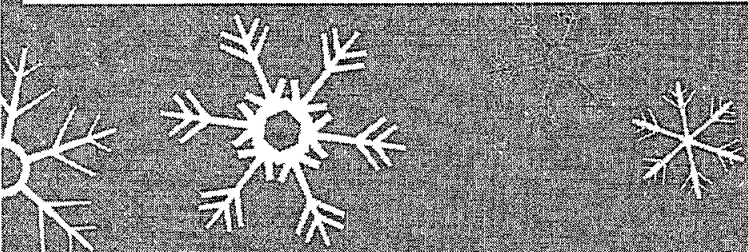


Qualcomm

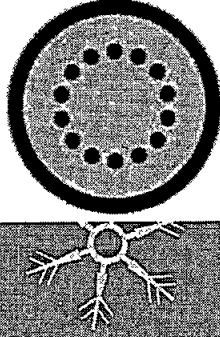
Spatial Multiplexing



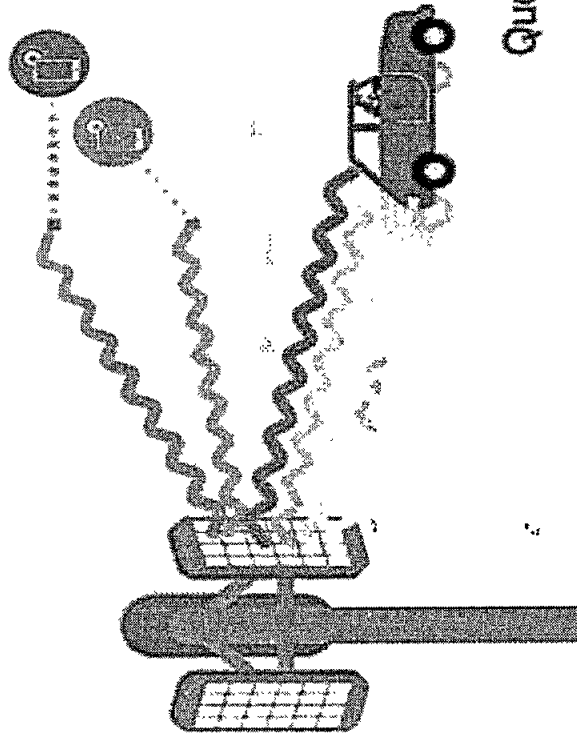
Massive
MIMO



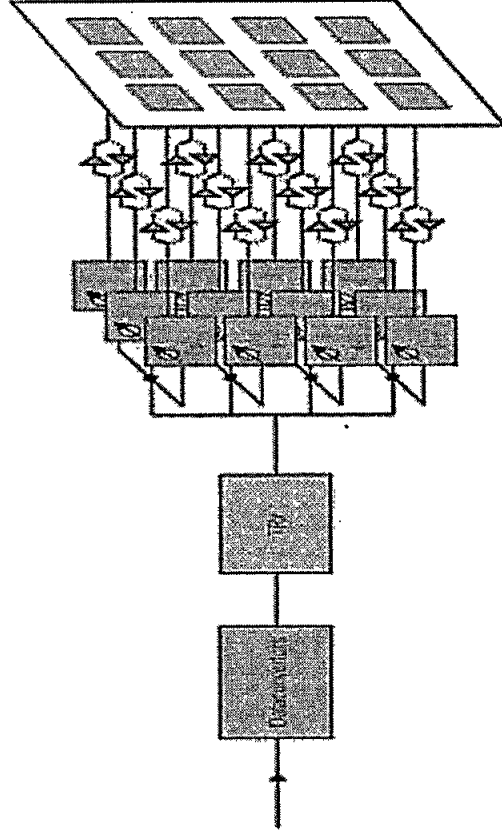
Massive MIMO



Massive
MIMO

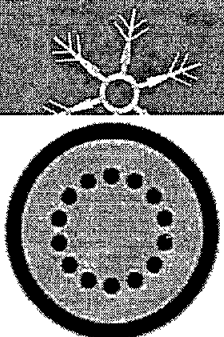


Qualcomm



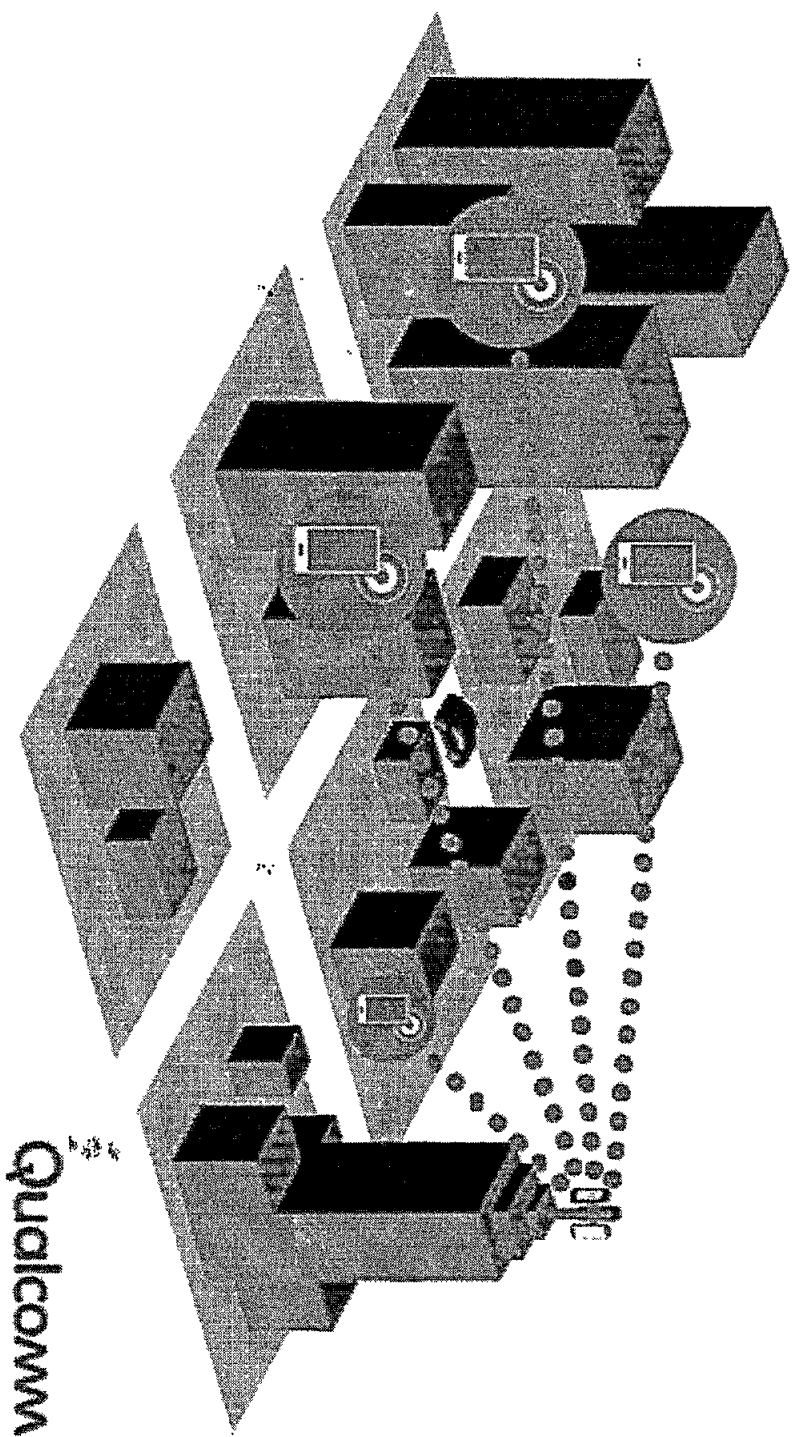
Installation of a large number of base station antennas will **increase the signal-to-noise ratio** in the cell, which leads to **higher cell site capacity and throughput**. Since 5G massive MIMO implementation is on mmWave frequencies, the antennas required are small and easy to install and maintain.

MU-MIMO



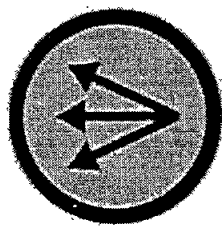
Massive
MIMO

Multi-User MIMO



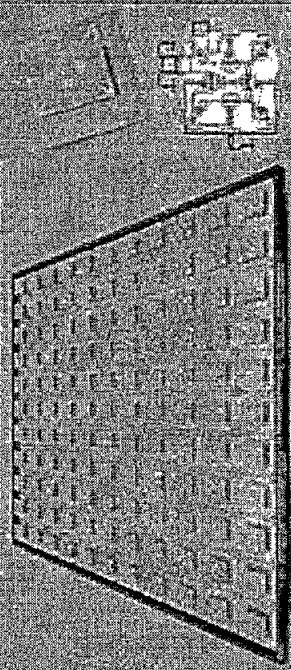
❖ Multiple Users to share same **Network Resources, Simultaneously**

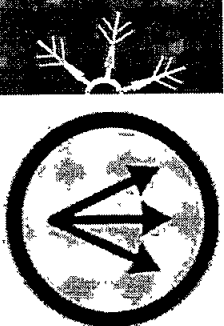
Beamforming



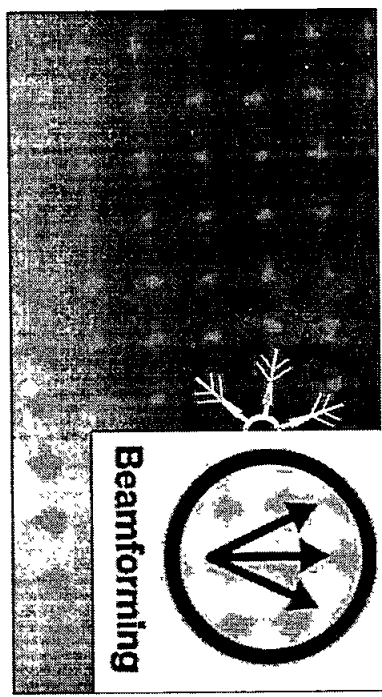
Beamforming

- ❖ Higher-band signals can use smaller antennas, many mmWave antenna elements can fit into a **Fingernail-Sized Pad** on the device side.
- ❖ Beamforming is used with **Phased Array Antenna Systems** to focus the wireless signal in particular direction with maximum energy and **limiting energy in side lobes to an acceptable level.**
- ❖ Each antenna is fed with the same transmitted signal but the **Phase and Amplitude of the Signal is Adjusted**, steering the beam in the desired direction.
- ❖ Fast steering of the beam is achievable since the phase and amplitude of each signal are **Controlled Electronically**, allowing adjustments to be made in **Nanoseconds.**

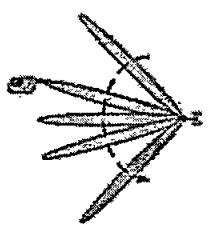




Beamforming



Beam-Sweeping and Initial Access



Main Lobe

Side Lobe



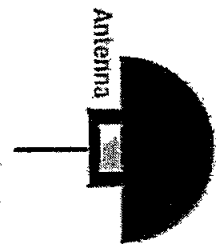
Four Radiating Elements

Main Lobe

Side Lobe

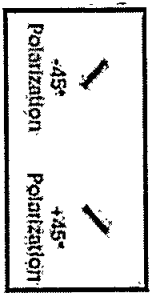
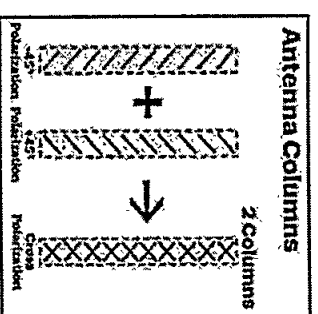
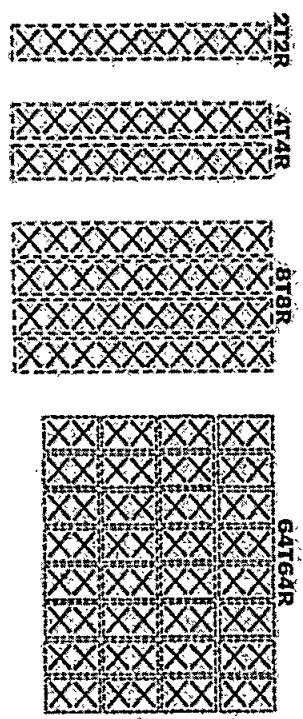


Two Radiating Elements



One Radiating Element

Beamforming with two and four radiating elements



User 1

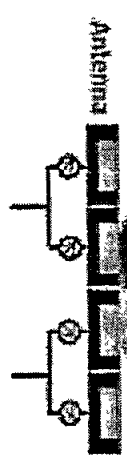
May track User 1



Four radiating elements at a common frequency with 45° phase shift

May switch User 1

User 1 User 2

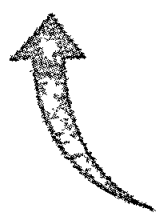
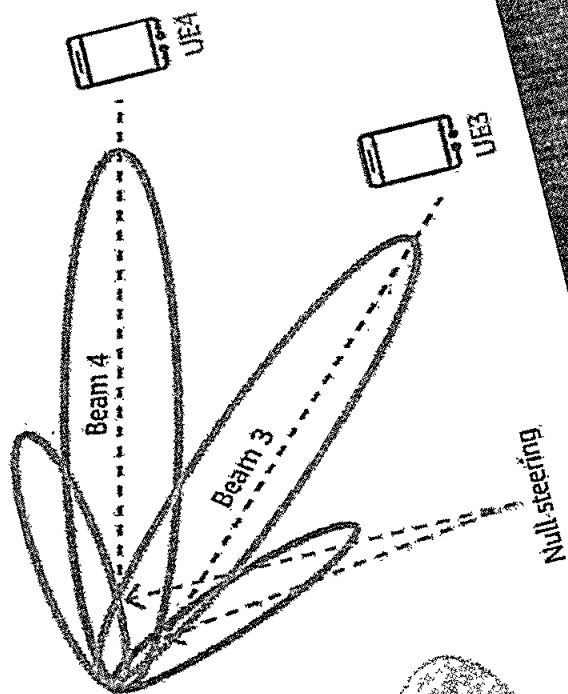


Four radiating elements at two differing frequencies one with 45° and the other with ~ 45° phase shift

Beam Steering and Beam Switching



Beamforming



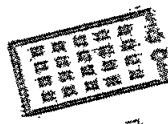
MU-MIMO Beamforming accurate coverage



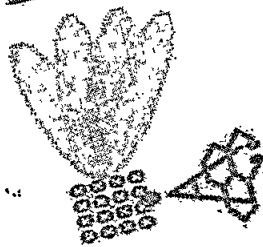
Highway coverage



Selective coverage
based on UE density



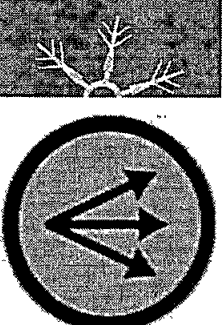
High-rise coverage



Low-rise coverage

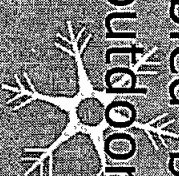
Beams for typical coverage scenario

Benefits of Beamforming



Beamforming

- ❖ The **Improved Signal-to-Noise Ratios (SNR)**, enabled by beamforming, increase signal range for both outdoors and indoor coverage.

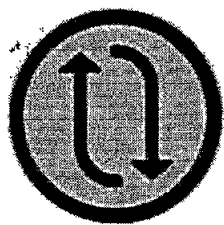


- ❖ Beamforming's ability to cancel out or "null" interference is also a significant benefit in crowded, urban environments with high densities of UEs, where multiple signal beams can potentially interfere with each other.

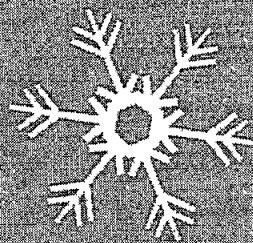
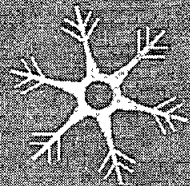
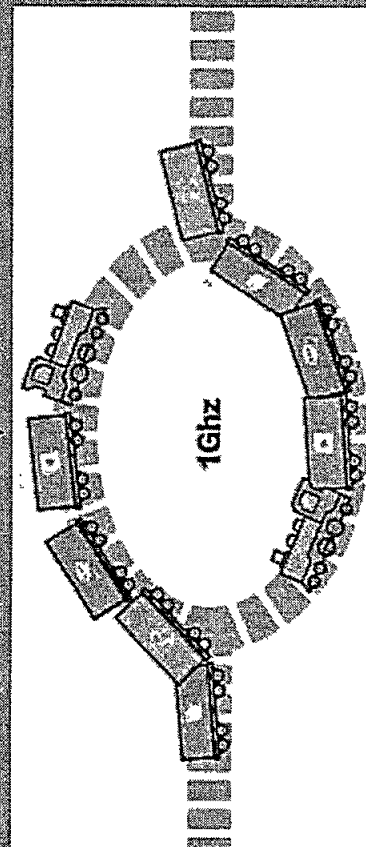
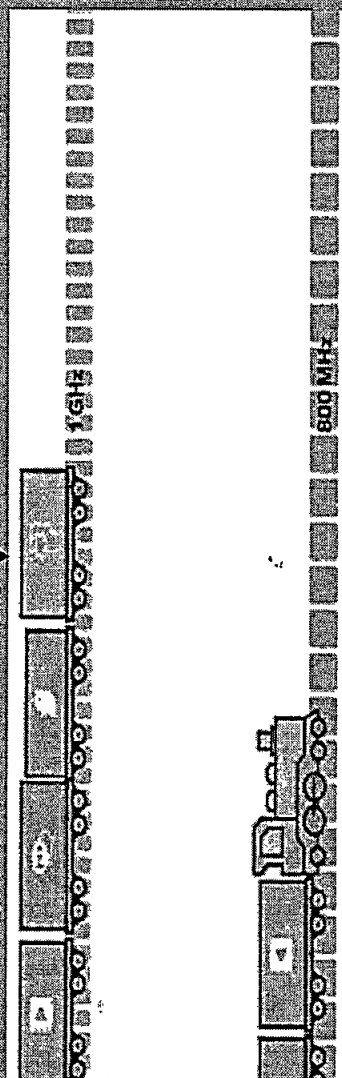
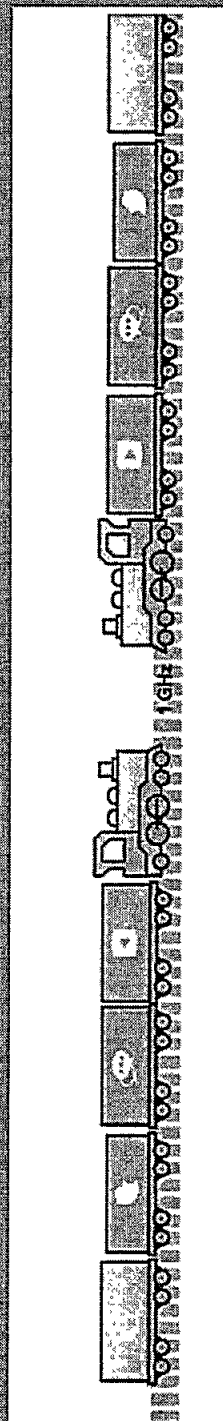
- ❖ Overall, by reducing internal and external interference and increased SNR, beamforming supports higher-order signal modulation schemes, such as **256QAM**, **64QAM** and **16QAM** all of which contribute to a substantial improvement in network cell capacity.



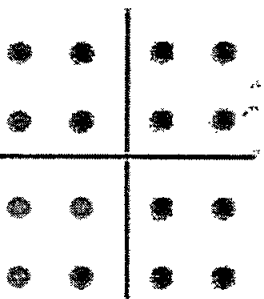
Full Duplex



Full Duplex

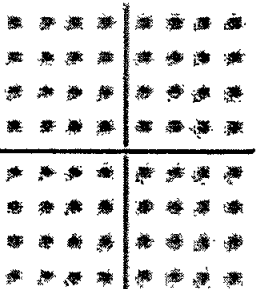


QAM Modulation



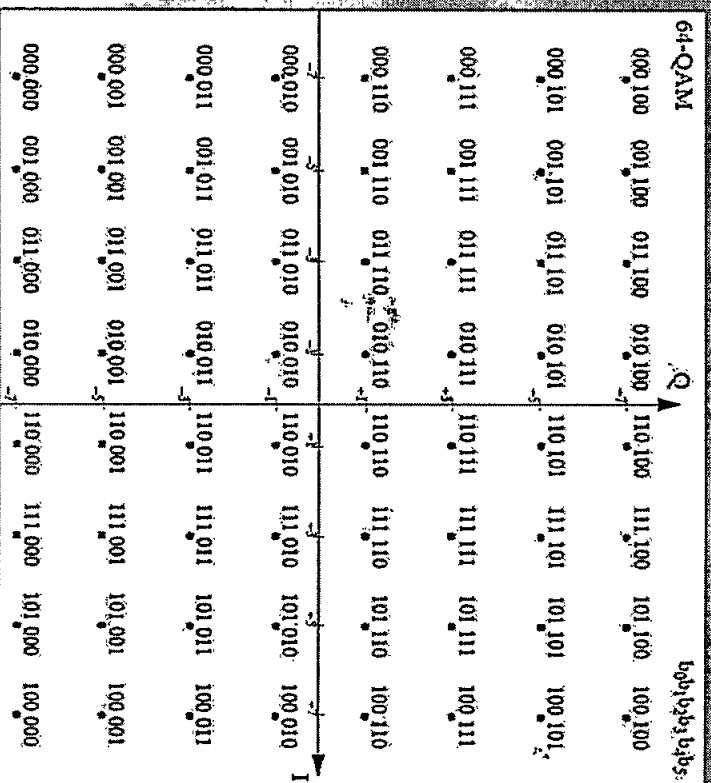
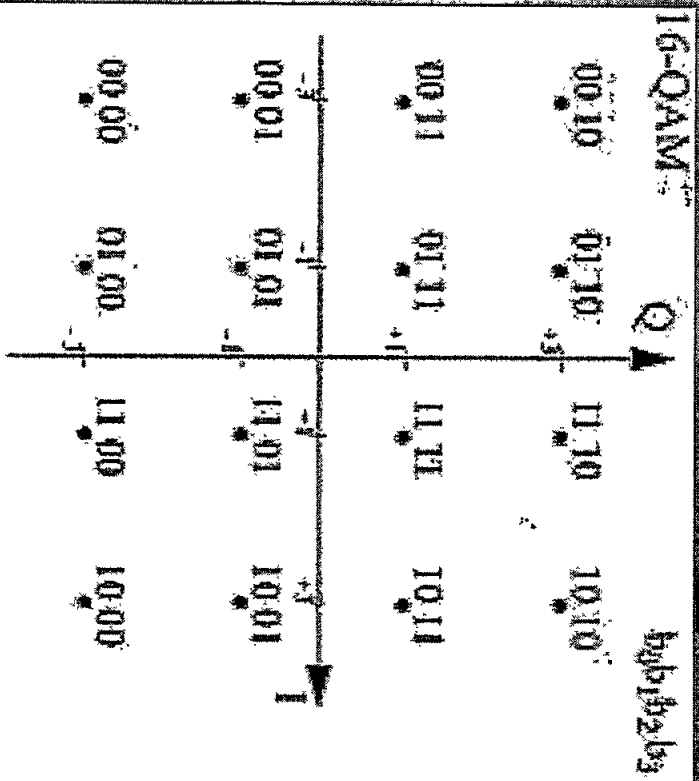
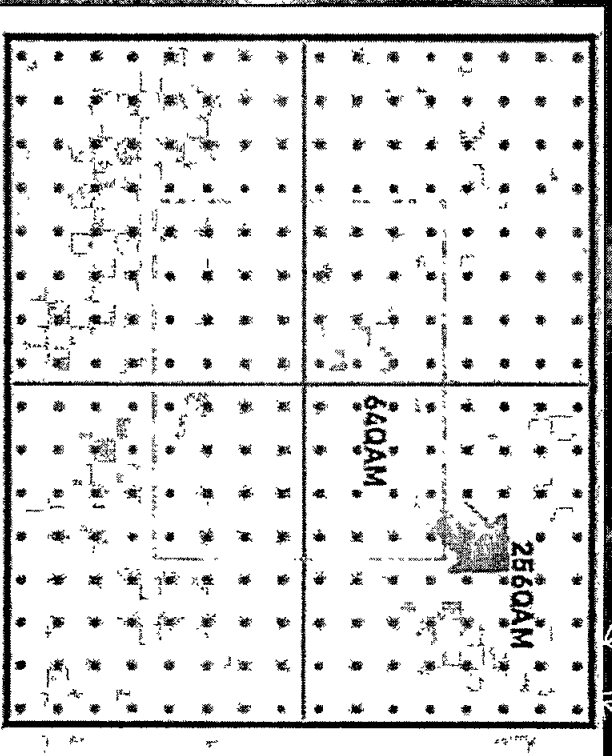
16QAM

- 4 bits / Symbol
- ~4.0 bps / Hz



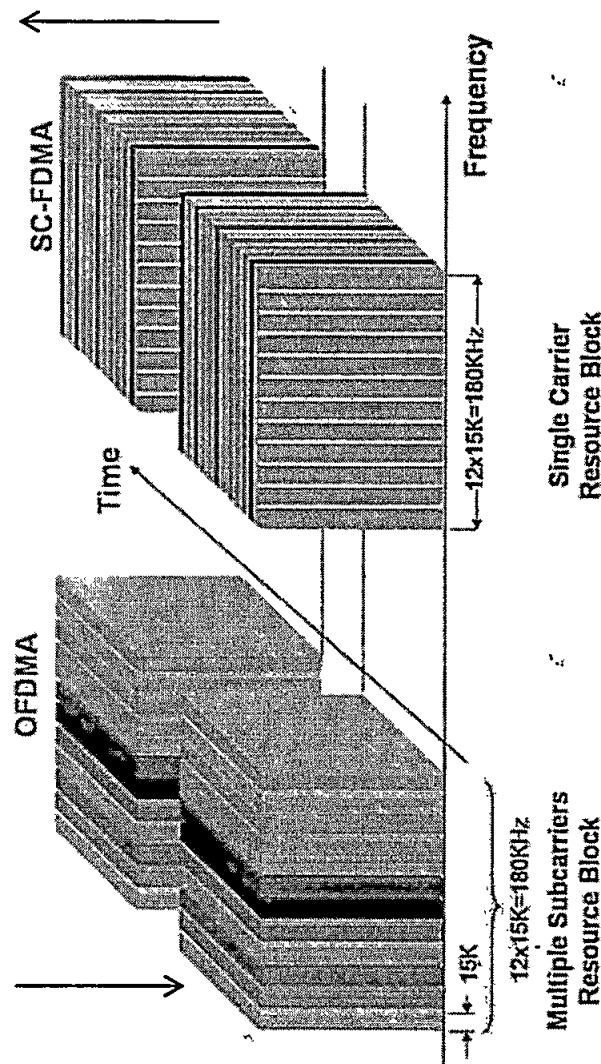
64QAM

- 6 bits / Symbol
- ~6.0 bps / Hz



Multiple Access Technique

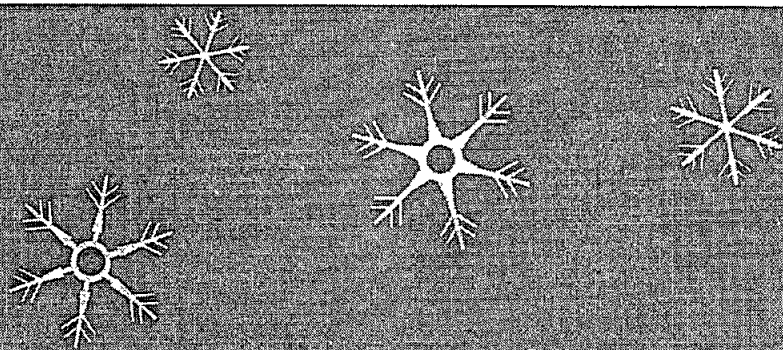
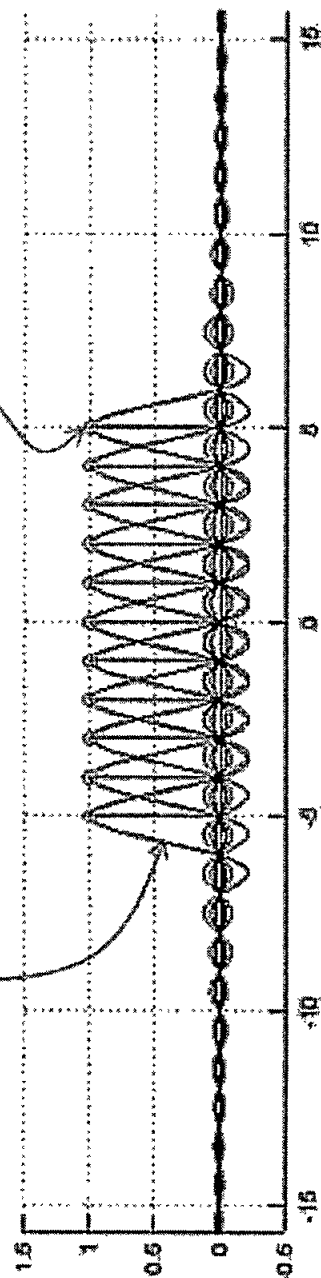
SC-FDMA vs. OFDMA



4G-LTE

Sub carriers
Carrying data

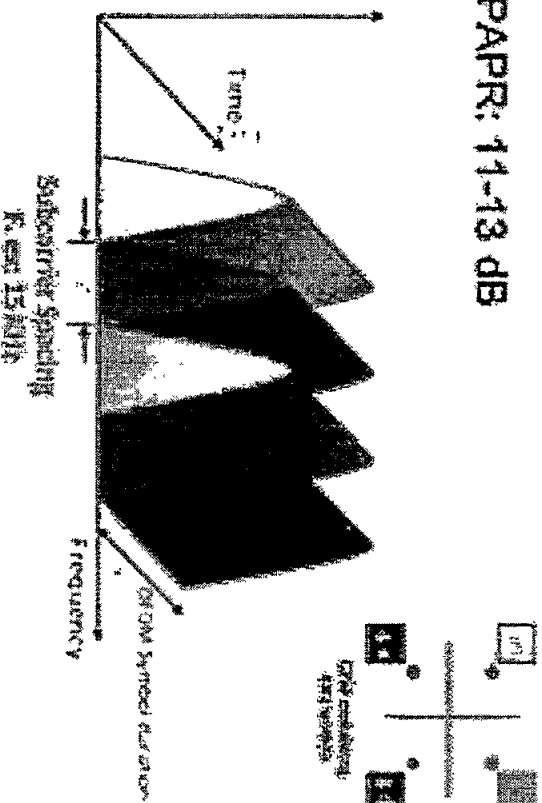
Data carried by each subcarriers
(Sampling Point on Frequency Domain)



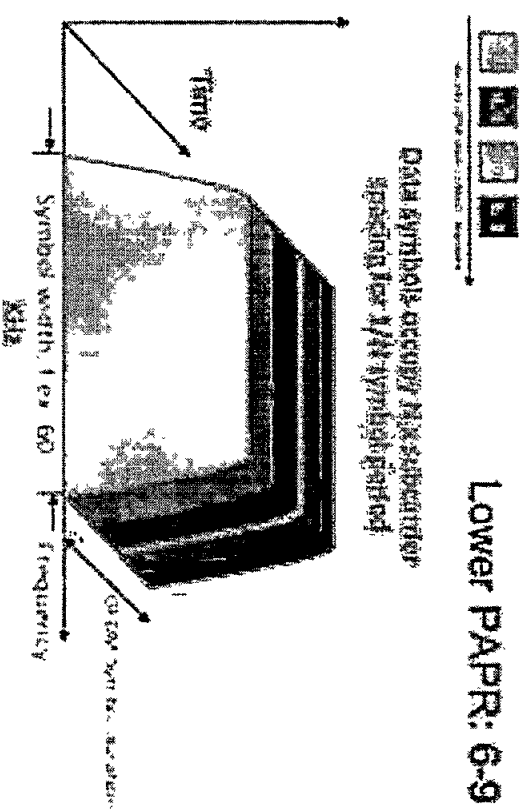
DFT-S-OFDM(UL) and CP-OFDM(DL)

Discrete Fourier Transform Spread Orthogonal Frequency Division Multiplexing (DFT-S-OFDM) has advantage like **Low Peak-to-Average Power Ratio(PAPR), Delay-Sensitive, Avoiding Interference and Spectral Efficiency.**

PAPR: 11-13 dB

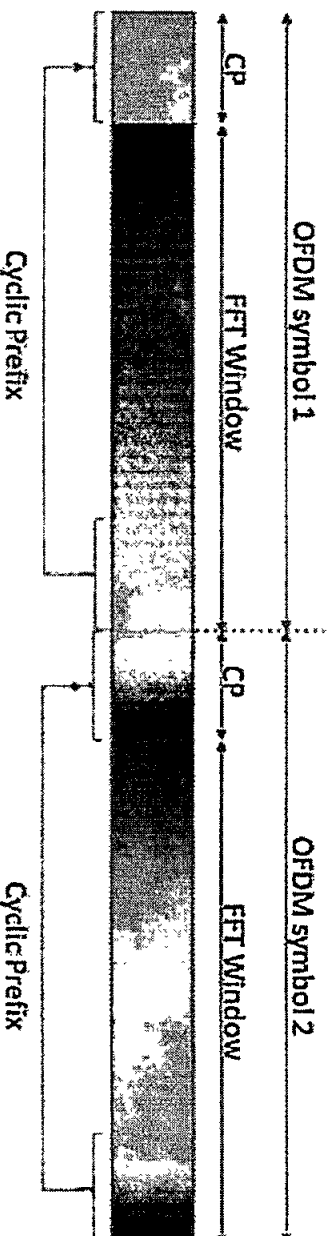


Lower PAPR: 6-9 dB



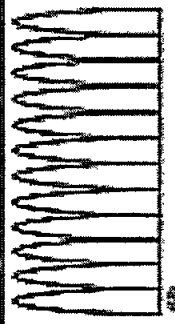
Downlink: CP-OFDM

Uplink: CP-OFDM and DFT-S-OFDM



By attaching a copy of end of the OFDM symbol to the beginning of the symbol (a cyclic prefix), a receiver can better tolerate synchronization errors & prevent ISI

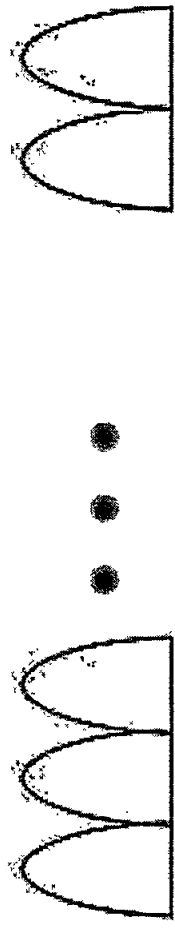
Flexible Subcarrier Spacing-in 5G



15 kHz SCS: 12 subcarriers RB \rightarrow 180 kHz



30 kHz SCS: 12 subcarriers RB \rightarrow 360 kHz



60 kHz SCS: 12 subcarriers RB \rightarrow 720 kHz



120 kHz SCS: 12 subcarriers RB \rightarrow 1440 kHz

Channel Bandwidth (Hz)

Channel Bandwidth Configuration
(Number of sub)

Transmitting

Bandwidth (Hz)

Channel Edge

Channel Edge

RECEIVER

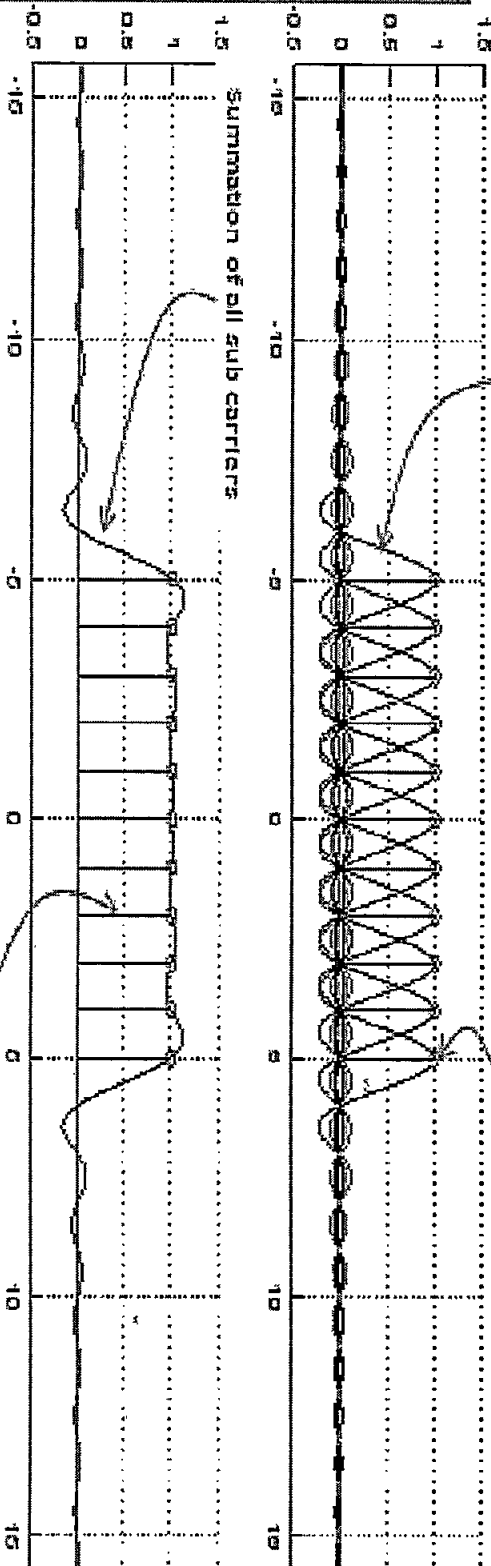
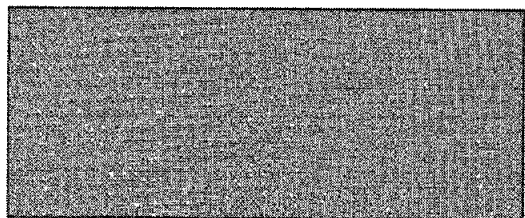
Subcarriers

Subcarriers
Carrying data

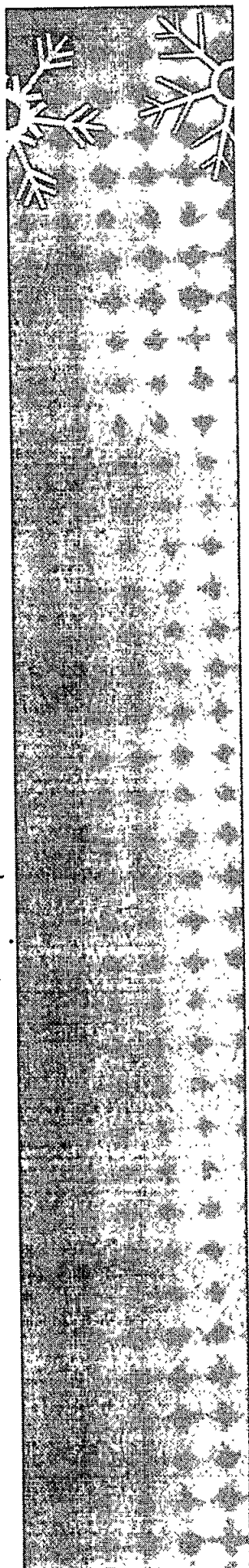
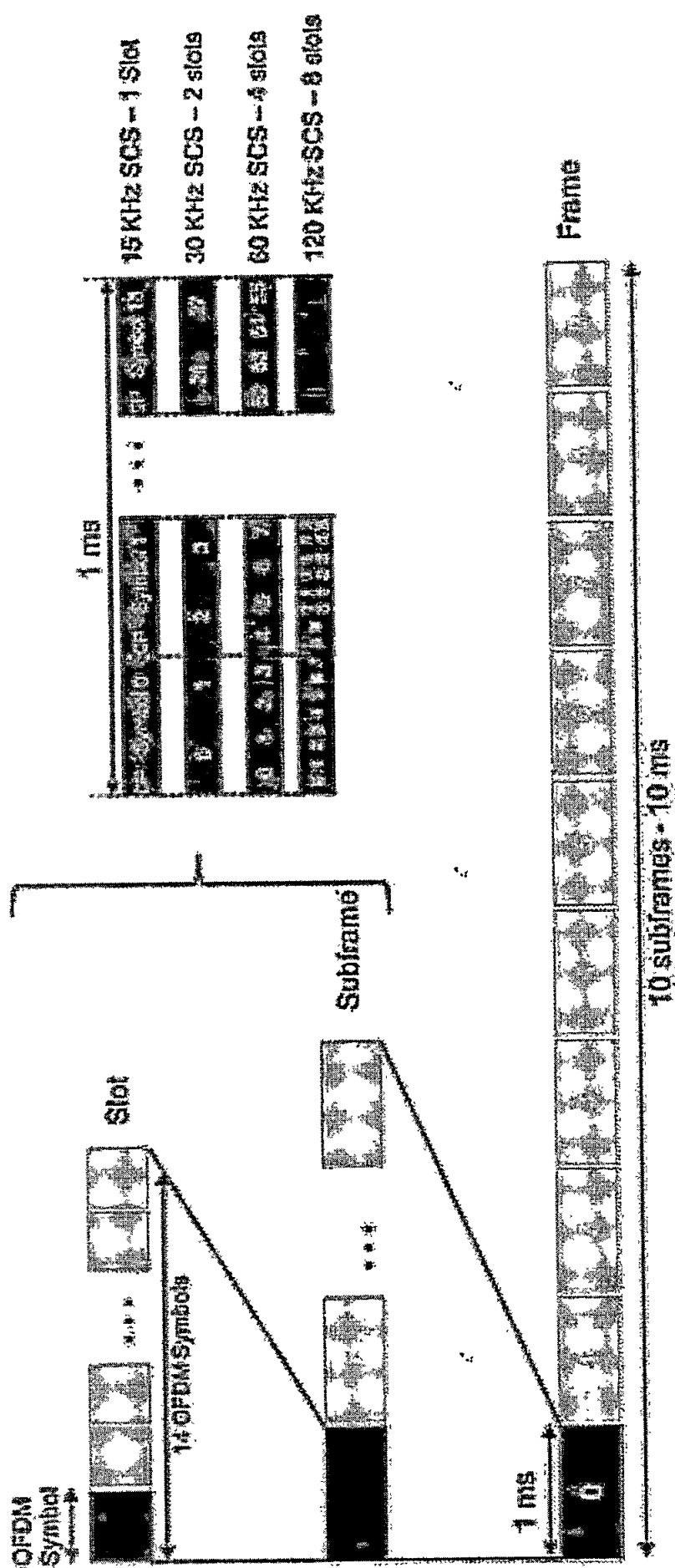
Data carried by each subcarriers
(Sampling point on Frequency Domain)

Summation of all sub carriers

Sampling Point on Frequency Domain



Scalable and Flexible Frame Structure



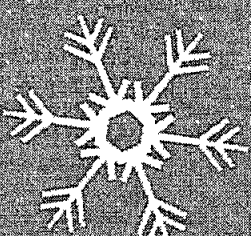
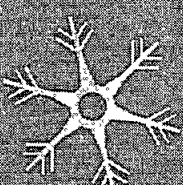
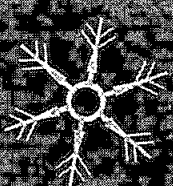
Tools to Work on 5G

❖ **Network Simulator(NS) 2**

❖ **Network Simulator(NS) 3**

❖ **Matlab 2020a-5G Toolbox**

❖ **OMNET++**



Your Precautions Your Safety



Must wear a mask	Clean your hands often	Maintain a safe distance	Get Vaccinated Covid-19 vaccine is safe	Stay home if you feel unwell

Thank you



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Department of Electronics and Communication Engineering

Attendance

SL.NO	USN	STUDENT NAME
1	1AH20EC001	ABHISHEK PATIL
2	1AH20EC002	ADITHYA K C
3	1AH20EC003	AKSHAY S
4	1AH20EC004	BAHUBALI RAJ A
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10	1AH20EC010	MOHAMMAD JAWAD
11	1AH20EC011	MOHAMMED MUSTAQEEM
12	1AH20EC012	MOHAMMED TOUHEED
13	1AH20EC013	MOULYA H T
14	1AH20EC014	PRATHIKSHA C S
15	1AH20EC015	SACHIN N
16	1AH20EC016	SRIGANESH H S
17	1AH20EC017	TEJASH M U
18	1AH20EC018	Bhanu Teja

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Department of Electronics and Communication Engineering

Seminar Attendance

SL.NO	USN	STUDENT NAME
1	1AH19EC001	AMITH DEEPAK PAWAR
2	1AH19EC003	CHANDAN G B
3	1AH19EC004	CHEETHANA M NIJAGULI
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39	1AH18EC034	SUNIL KUMAR B K
40	1AH18EC044	RITVOSH GHOSH

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**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Introduction & Implementation of Industry 4.0
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	01-02-2022
4.	VENUE	ACSCE, Seminar Hall-3
5.	DURATION	1 Day
6.	Resource Person	Mr. Yash N N
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	80
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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**DEPARTMENT
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ENGINEERING**

INVITATION

We cordially invite one and all

For

“Seminar / Webinar”

On

Introduction & Implementation of Industry 4.0

01.02.2022

Resource Person

Mr. Yash N N

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on introduction and implementation of industry 4.0

Date: 01-02-2022

SPEAKERS: Mr. Yash N N

VENUE: Seminar Hall-III

Industry 4.0 is a term for the fourth industrial revolution: the digitization and automation of manufacturing. We are in the midst of a fundamental shift in the way products are produced, and it's deeply tied to the future of the Internet of Things (IoT).

Advances in networking, machine learning, data analytics, robotics, 3D printing, and other technologies are making vast improvements on industrial processes and reducing our dependence on human labor and decision-making. By leaning into digital solutions, manufacturing can reduce human error, shorten time to market,

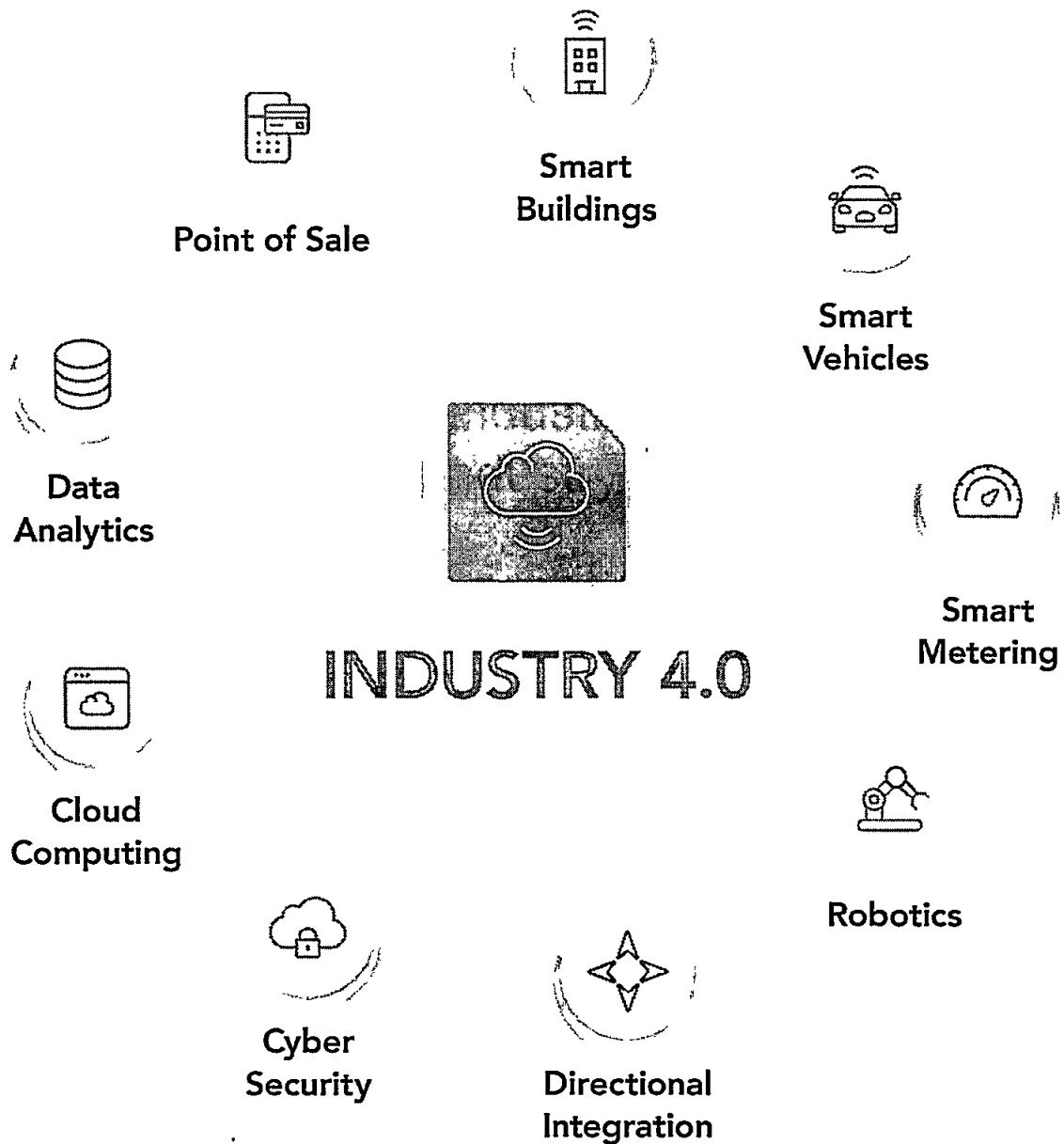
and increase the speed at which industrial processes can adapt to new information.

Leveraging the Industrial Internet of Things (IIoT), Cyber Physical Systems, and Internet of Services, “Smart Factories” can help operators make data-driven decisions or even autonomously trigger actions. Machine-to-Machine communication allows these factories to track products with pinpoint accuracy as they pass through the facility, using sensors to record progress and collect valuable information.

Coupled with new infrastructure, Smart Factories can mass produce products while remaining agile enough to *profitably* create small-batch products based on individual customer requirements. They’re also capable of dynamically reacting to unforeseen challenges that could significantly disrupt manufacturing operations—such as a last-minute change in suppliers.

In this guide, we’ll explore the design principles driving Industry 4.0 and some of the main concepts you need to be familiar with in this rapidly evolving space.

But first, let's talk about how this all began.
When did the fourth industrial revolution start,
and why is it called Industry 4.0.





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VIII SEM STUDENT LIST - EVEN SEM - 2022-2023

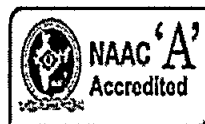
SL.NO	USN	STUDENT NAME
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39	1AH18EC044	RITVOSH GHOSH
40	1AH16EC036	PRAJWAL KUMAR R

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**DEPARTMENT
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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Hands on Lab view based Data Acquisition & Sensor Integration
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	01-02-2022
4.	VENUE	ACSCE, Seminar Hall-2
5.	DURATION	1 Day
6.	Resource Person	Mr. Raj Kumar, Application Engineer, VI Solutions
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	90
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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INVITATION

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For

“SEMINAR / WEBINAR”

On

Hands on Lab view Based Acquisition & Senior
integration

01.02.2022

Resource Person

Mr. Raj Kumar

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on Hands on Labview based
Data Acquisition & Sensor Integration

Date: 01-02-2022

SPEAKERS/ COMPANY: Mr.Raj Kumar ,Application
Engineer, VI Solutions

VENUE: ACSCE

LabVIEW (short for Laboratory Virtual Instrument Engineering Workbench) is a graphical programming language and development environment developed by National Instruments. It is a software tool that enables engineers and scientists to create custom applications that interact with real-world data or signals. In LabVIEW, users can create virtual instruments (VIs) using a drag-and-drop graphical interface. A VI is a software representation of an instrument, sensor, or process. The graphical user interface of a VI can include buttons, knobs, graphs, and charts, among other elements. Users can also use LabVIEW to create custom data acquisition and control systems by integrating hardware

devices, such as data acquisition boards, motion controllers, and cameras.

In the Data Acquisition LabVIEW Course, you will explore the fundamentals of data acquisition using sensors, NI data acquisition hardware, and LabVIEW. The first part of this class teaches the basics of hardware selection, including resolution and sample rate, and the foundation of sensor connectivity, including grounding and wiring configurations. The second part of this class focuses on using the driver to measure, generate, and synchronize data acquisition tasks. You will learn about programming finite and continuous acquisitions, as well as best practices in hardware/software timing, triggering, and logging. In this class, you will get hands-on experience configuring and programming NI data acquisition hardware & LabVIEW.



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17	1AH20EC017	TEJASH M U
18	1AH20EC018	Bhanu Teja

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Department of Electronics and Communication Engineering

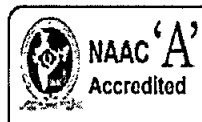
Seminar Attendance

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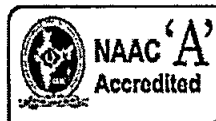
SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Industry 4.0, Implementation with IOT & its research Challenges
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	02-02-2022
4.	VENUE	ACSCE, Seminar Hall-3
5.	DURATION	1 Day
6.	Resource Person	Dr. Muralidhar Kulkarni
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	85
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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INVITATION

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For

“Seminar / Webinar”

On

Industry 4.0, Implementation with IOT & its Research
Challenges

02.02.2022

Resource Person

Dr. Muralidhar Kulkarni

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on industry 4.0
Implementation with IOT & its research
challenges

Date: 02-02-2022

SPEAKERS: Dr. Muralidhar Kulkarni

VENUE: Seminar Hall-III

Industry 4.0 is revolutionizing the way companies manufacture, improve and distribute their products. Manufacturers are integrating new technologies, including Internet of Things (IoT), cloud computing and analytics, and AI and machine learning into their production facilities and throughout their operations. These smart factories are equipped with advanced sensors, embedded software and robotics that collect and analyze data and allow for better decision making. Even higher value is created when data from production operations is combined with

operational data from ERP, supply chain, customer service and other enterprise systems to create whole new levels of visibility and insight from previously siloed information.

This digital technologies lead to increased automation, predictive maintenance, self-optimization of process improvements and, above all, a new level of efficiencies and responsiveness to customers not previously possible. Developing smart factories provides an incredible opportunity for the manufacturing industry to enter the fourth industrial revolution. Analyzing the large amounts of big data collected from sensors on the factory floor ensures real-time visibility of manufacturing assets and can provide tools for performing predictive maintenance in order to minimize equipment downtime.

Using high-tech IoT devices in smart factories leads to higher productivity and improved quality. Replacing manual inspection business models with AI-powered visual insights reduces manufacturing errors and saves money and time. With minimal investment, quality control personnel can set up a smartphone connected to the cloud to monitor manufacturing processes from virtually anywhere. By applying machine learning algorithms, manufacturers can detect errors immediately, rather than at later stages when repair work is more expensive.

Industry 4.0 concepts and technologies can be applied across all types of industrial companies, including discrete and process manufacturing, as well as oil and gas, mining and other industrial segments.



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STUDENT LIST - EVEN SEM - 2022-2023

SL.NO	USN	STUDENT NAME
1	1AH19EC001	AMITH DEEPAK PAWAR
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CLASS TEACHER

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**DEPARTMENT
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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Understanding Computer Vision Case Study for Depth estimation for Industry 4.0
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	02-02-2022
4.	VENUE	ACSCE, Seminar Hall-2
5.	DURATION	1 Day
6.	Resource Person	Dr. S. Murali, President, Maharaja Institute of Technology
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	75
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

HOD,ECE

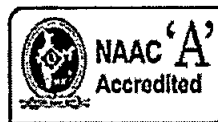
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**DEPARTMENT
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ENGINEERING**

INVITATION

We cordially invite one and all

For

“SEMINAR / WEBINAR”

On

Understanding computer vision case study for depth
estimation for Industry 4.0

02.02.2022

Resource Person

Dr. M S Murali

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on Understanding Computer Vision Case Study for Depth estimation for Industry 4.0

Date: 02-02-2022

SPEAKERS/ COMPANY: Dr. S. Murali, President, Maharaja Institute of Technology

VENUE: ACSCE

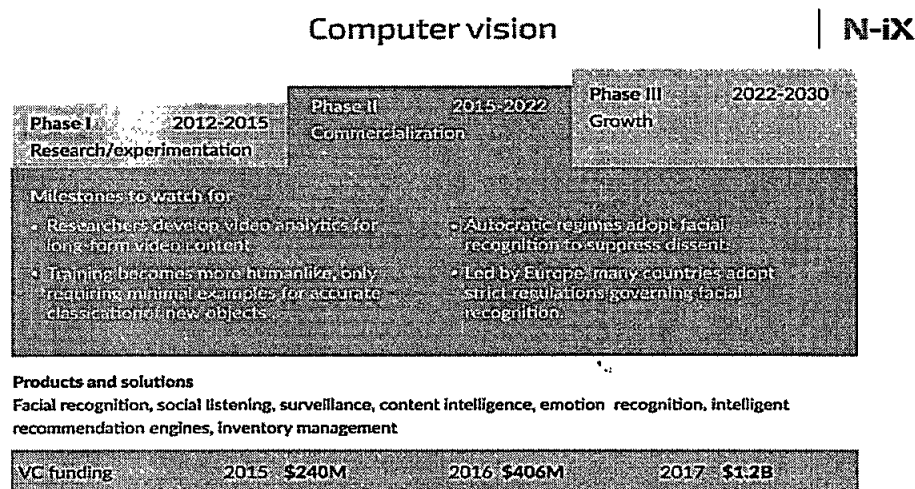
Industry 4.0 is about creating a 'smart factory', a manufacturing site that utilizes data from various types of sensors and all the available sources in order to optimize the processes.

Computer Vision is a part of a complex approach to smart manufacturing that allows computers and machines to 'see' the physical world by enabling them to extract, process, and analyze information from visual inputs.

The computer vision market is undergoing a relentless transformation, constantly creating new solutions and technological advancements. Forrester's analysis shows that we are at the

10

peak of the commercialization phase of Computer Vision development [2]. We already use CV for facial recognition, content intelligence and intelligence recommendation engines, and more.



Industry 4.0 has benefited from this technology even more in time of pandemic, as it is widely used for inventory purposes.

In 2018, the global market for computer vision stood at over \$9.2B, and it is expected to surpass \$13.0B by 2025. Both North America and Europe are headliners in the adoption of Computer Vision in manufacturing and a number of other industries.

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Department of Electronics and Communication Engineering

Seminar Attendance

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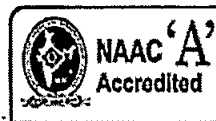
SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on An Overview of Embedded Systems with Industry 4.0
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	02-02-2022
4.	VENUE	ACSCE, Seminar Hall-3
5.	DURATION	1 Day
6.	Resource Person	Mr. Vijay Mahantesh
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	80
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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INVITATION

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For

“SEMINAR / WEBINAR”

On

Overview of Embedded Systems with Industry 4.0

02.02.2022

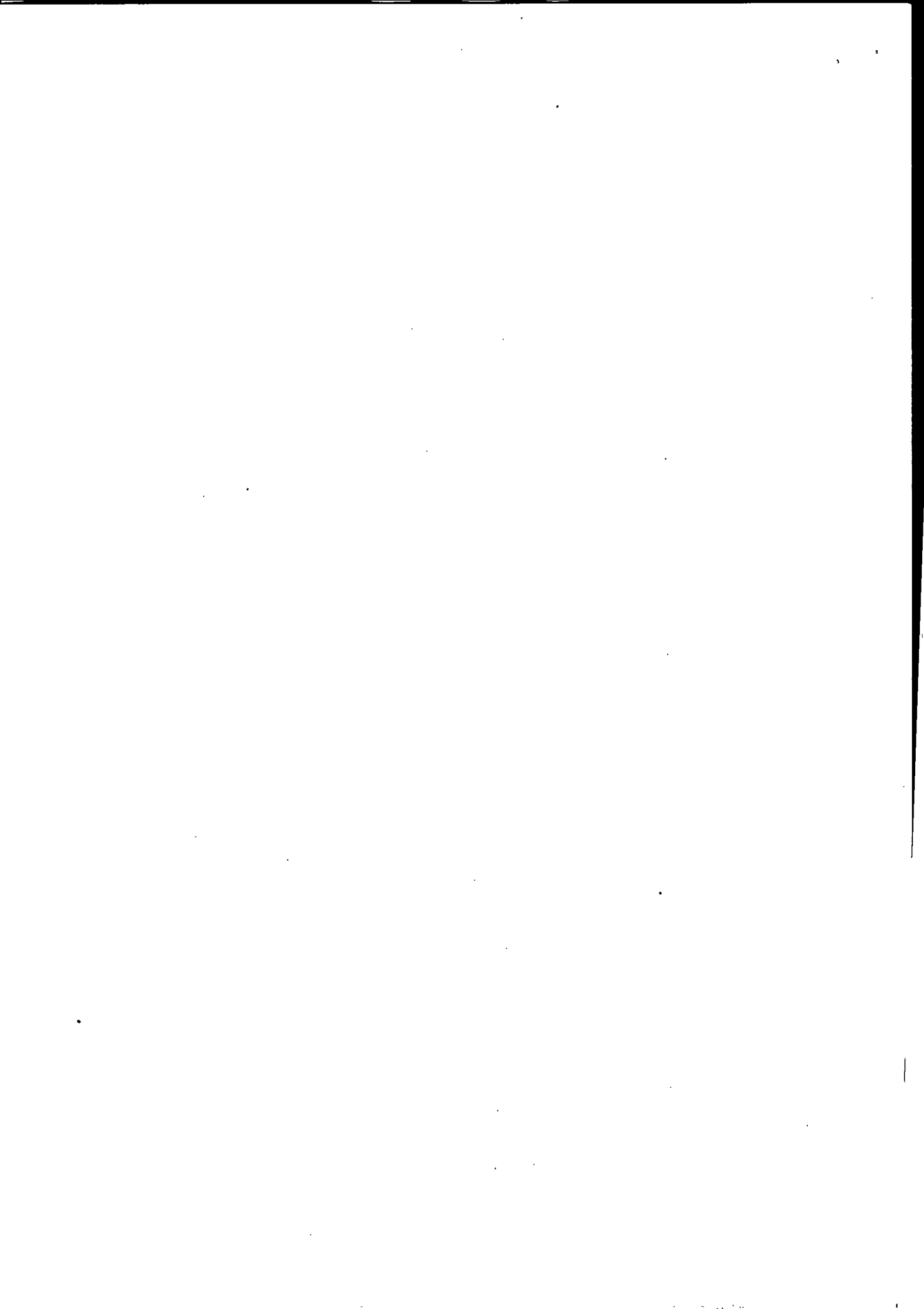
Resource Person

Mr. Vijay Mahantesh

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore



TOPIC: Webinar on An overview of Embedded systems with Industry 4.0

Date: 02-02-2022

SPEAKERS: Mr. Vijay Mahantesh

VENUE: Seminar Hall-III

Embedded systems play a central role in Industry 4.0. They form the heart of the smart factory, in which machine-to-machine (M2M) communication, smart metering and predictive maintenance set new standards in production. For Industry 4.0, the fourth industrial revolution, internet technology is central. Intelligent networking of electronic devices or machines replaces automated production with self-organized production. The direct communication of machines, systems, goods and people enables more efficient and cheaper production processes:

- . Real-time based data analysis enables predictive maintenance
- . Resources are conserved through predictable use
- . Optimization of logistics and foresighted use of goods
- . Efficient and simple production control, externally and on site

Together with partners, It develops software and hardware solutions for automated or self-organized data exchange in real time between sensors, machines and information platforms using wireless and wired communication technologies. Compact and powerful microcontrollers and microprocessors from well-known manufacturers offer the necessary communication interfaces, e.g. via Ethernet, as well as wirelessly through WLAN, LoRaWAN, NB-IoT or Bluetooth. It develops suitable applications for the control and maintenance of intelligent systems.

The development of an embedded IoT system requires thorough planning right from the start, taking suitable security concepts into account. Test runs in early development stages, realistic prototype design and diligent quality management ensure an efficient development process and safe systems in the field. It supports you with hardware development, security concept creation and product maintenance.



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SL.NO	USN	STUDENT NAME
1	1AH20EC001	ABHISHEK PATIL
2	1AH20EC002	ADITHYA K C
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VIII SEM STUDENT LIST - EVEN-SEM - 2022-2023

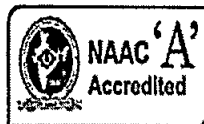
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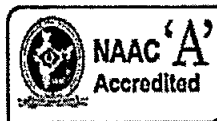
SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Innovative Teaching Learning Method using Augmented Reality Technology
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	03-02-2022
4.	VENUE	ACSCE, Seminar Hall-3
5.	DURATION	1 Day
6.	Resource Person	Dr. Rajesh Butkar
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	80
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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For

“Seminar / Webinar”

On

Innovative Teaching Learning Method using
Augmented Reality Technology

03.02.2022

Resource Person

Dr. Rajesh Buktar

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on Innovative Teaching Learning Method using Augmented reality Technology

Date: 03-02-2022

SPEAKERS: Dr. Rajesh Buktar

VENUE: Seminar Hall-III

Augmented reality (AR) is a technology that overlays digital information such as sounds, videos, and graphics on top of the real-world environment. AR is often confused with virtual reality (VR), a technology that creates entirely artificial environments. Together, these technologies are collectively known as extended reality (XR), and they are driving change across industries: IDC reports that the AR/VR market is expected to grow from \$16.8 billion in 2019 to \$160 billion by 2023.

Industries such as engineering, manufacturing, and space exploration

commonly use AR in business applications such as research and development. With the emergence of new technologies and widespread adoption of smartphones, educators are increasingly expected to use AR in the classroom.

Augmented reality superimposes sounds, videos, and graphics onto an existing environment. It uses four main components to superimpose images on current environments: cameras and sensors, processing, projection, and reflection.

Each of these components provides an individual function. For example, cameras and sensors can detect an image's depth or calculate the distance between two objects before superimposing digital content atop the user's view. Projection and reflection add virtual information over what a user

sees; for example, a method known as projection mapping enables AR apps to digitally overlay video onto any physical surface.

As for processing and transmitting data, limited bandwidth and latency of wireless networks have typically posed challenges to wide-ranging adoption of AR. But thanks to faster wireless connectivity through 5G cellular networks and next generation devices' improved processing power, opportunities to explore AR's full potential are expanding.



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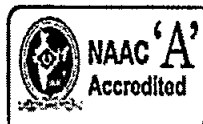
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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Digital Transformation Technologies Cloud Overview with Industry 4.0
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	03-02-2022
4.	VENUE	ACSCE, Seminar Hall-3
5.	DURATION	1 Day
6.	Resource Person	Mr. Santhosh A
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	80
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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For

“Seminar / Webinar”

On

Digital Transformation Technologies Cloud
Overview with Industry 4.0

03.02.2022

Resource Person

Mr. Santhosh A

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

AICTE ATAL FDP INDUSTRY 4.0

CLOUD COMPUTING

Santosh Chachadi
Manager – Cloud Operations
SAP Labs India Pvt. Ltd.

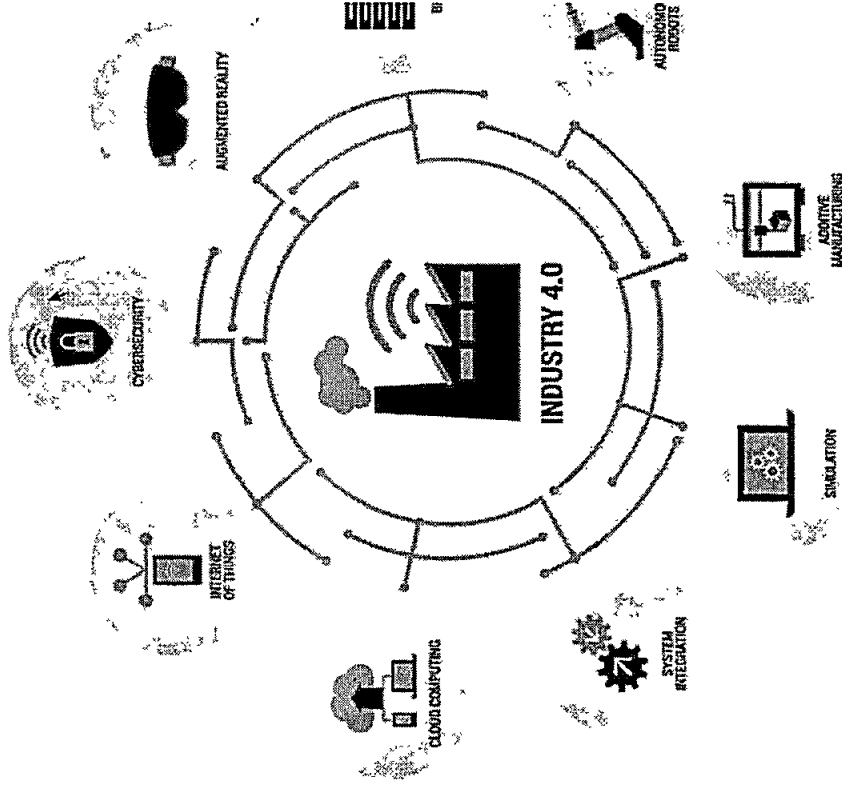
Cloud computing – the practice of providing access of applications (ERP, Email, Business Applications, Retail applications) over the internet

Eliminates need for the customer to

- Invest and maintain datacenters, IT infrastructure
- Invest and retain experienced personnel to run such applications and infrastructure
- Concentrate all effort on core-competency

Subscription/Users/Usage based charge

Open/Standard data formats



Source: <https://www.i-scoop.eu/industry-4-0/>

- In Industry 4.0, companies with collaborative supply chains can benefit from the cloud in a variety of ways. Management can take a more proactive approach due to the real-time visibility of centralized information by multiple parties along the supply chain. By nimbly addressing changes or problems when they arise, organizations can ensure efficiency and reduce recurrence risks.
- A whopping 85% of manufacturers have adopted cloud computing as one of the top five Industry 4.0 technologies. In a study conducted by Intel and Oracle, 60% of managers of medium to large global manufacturing companies believe that cloud infrastructure is a necessity to unlock the potential of Industry 4.0.
- In Industry 4.0, cloud computing is integral to every other technology. Cloud computing infrastructure also manages other technologies that vary by industry. Autonomous vehicle and assembly lines are increasingly dependent on robotics and machine learning (ML).
- Through cloud computing, the internet of things (IoT) is fundamentally altering shipping and logistics by replacing person-to-person procedures with machine-to-device communication. Alternatively, it's called the industrial internet of things (IIoT).
- The cloud computing infrastructure and other Industry 4.0 technologies make fleet management easier. You won't find a better tool for tracking items in your supply chain than advanced telemetry, which allows manufacturers and retailers to manage the entire supply chain in real-time. Cloud-based fleet management systems provide real-time information about availability, maintenance, servicing, and mileage, which can help companies adapt to sometimes unpredictable real-world conditions. Using a cloud computing platform or infrastructure makes it easier to manage issues.



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SL.NO	USN	STUDENT NAME
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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Hands on Lab view based Control System Design & UI Development
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	03-02-2022
4.	VENUE	ACSCE, Seminar Hall-2
5.	DURATION	1 Day
6.	Resource Person	Mr. Raj Kumar, Application Engineer, VI Solutions
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	80
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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For

“SEMINAR / WEBINAR”

On

Hands on Lab view Based control System Design &
UI Development

03.02.2022

Resource Person

Mr. Raj Kumar

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on Hands on Labview based Control System Design & UI Development

Date: 03-02-2022

SPEAKERS/ COMPANY: Mr.Raj Kumar ,Application Engineer, VI Solutions

VENUE: ACSCE

LabVIEW (short for Laboratory Virtual Instrument Engineering Workbench) is a graphical programming language and development environment developed by National Instruments. It is a software tool that enables engineers and scientists to create custom applications that interact with real-world data or signals. In LabVIEW, users can create virtual instruments (VIs) using a drag-and-drop graphical interface. A VI is a software representation of an instrument, sensor, or process. The implementation of a control system in the LabVIEW software environment allows unprecedented flexibility in design and testing [Matey, 1993]. The architecture of the wind tunnel control system is a classic digital

system that samples the input signal at discrete time intervals and adjusts the output according to an appropriate control algorithm. Figure 3 shows the path of data through the system. The blocks marked with "A/D" or "D/A" change signals from the analog domain to the digital domain, respectively. By actively engaging the students in the control system implementation, the students are developing a more complete understanding of PID control systems and the issues involved in control system implementation [cf., Wicker and Quintana, 2000]. Computer data acquisition and control is used to provide unique capabilities for research and instruction. In this case, using LabVIEW enables us to easily and rapidly implement and test alternative control algorithms. Using LabVIEW, the students were able to quickly develop the wind velocity control system utilizing a PID control strategy. After developing the PID control system, the students were required to determine the "optimal" gain settings for a pre-determined wind tunnel speed profile.



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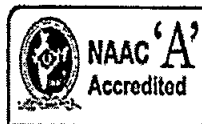
Seminar Attendance

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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Implementation of Industry 4.0 Adoption in Various Sectors and Case studies
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	04-02-2022
4.	VENUE	ACSCE, Seminar Hall-3
5.	DURATION	1 Day
6.	Resource Person	Mr. Vasanth Kumar & Mr. SatyaNarayan
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	70
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

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For

“Seminar / Webinar”

On

Implementation of Industry 4.0 Adoption in Various
Sectors and Case studies

04.02.2022

Resource Person

Mr. Vasanth Kumar & Mr. SatyaNarayan

DAY: 01

VENUE: Online

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on Implementation of Industry 4.0 Adption in various sectors and case studies

Date: 04-02-2022

SPEAKERS: mr. Vasanth Kumar & Mr. SatyaNarayan

VENUE: Seminar Hall-III

Industry 4.0 is revolutionizing the way companies manufacture, improve and distribute their products. Manufacturers are integrating new technologies, including Internet of Things (IoT), cloud computing and analytics, and AI and machine learning into their production facilities and throughout their operations.

These smart factories are equipped with advanced sensors, embedded software and robotics that collect and analyze data and allow for better decision making. Even higher value is created when data from production operations is combined with operational data from ERP, supply chain, customer service and other enterprise systems to create whole new levels

of visibility and insight from previously siloed information.

This digital technologies lead to increased automation, predictive maintenance, self-optimization of process improvements and, above all, a new level of efficiencies and responsiveness to customers not previously possible.

Developing smart factories provides an incredible opportunity for the manufacturing industry to enter the fourth industrial revolution. Analyzing the large amounts of big data collected from sensors on the factory floor ensures real-time visibility of manufacturing assets and can provide tools for performing predictive maintenance in order to minimize equipment downtime.

Using high-tech IoT devices in smart factories leads to higher productivity and improved quality. Replacing manual inspection business models with AI-powered visual insights reduces manufacturing errors and saves money and time. With minimal investment, quality control personnel can set up a smartphone connected to the cloud to monitor manufacturing processes from virtually anywhere. By applying

machine learning algorithms, manufacturers can detect errors immediately, rather than at later stages when repair work is more expensive.

Industry 4.0 concepts and technologies can be applied across all types of industrial companies, including discrete and process manufacturing, as well as oil and gas, mining and other industrial segments.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
STUDENT LIST - EVEN SEM - 2022-2023

SL.NO	USN	STUDENT NAME
1	1AH20EC001	ABHISHEK PATIL
2	1AH20EC002	ADITHYA K C
3	1AH20EC003	AKSHAY S
4	1AH20EC004	BAHUBALI RAJ A
5	1AH20EC005	BHAVANA M
6	1AH20EC006	BRUNDA M
7	1AH20EC007	DARSHAN B SHETTY
8	1AH20EC008	HARSHA PATIL N B
9	1AH20EC009	HEMANTH KUMAR K B
10	1AH20EC010	MOHAMMAD JAWAD
11	1AH20EC011	MOHAMMED MUSTAQUEEM
12	1AH20EC012	MOHAMMED TOUHEED
13	1AH20EC013	MOULYA H T
14	1AH20EC014	PRATHIKSHA C S
15	1AH20EC015	SACHIN N
16	1AH20EC016	SRIGANESH H S
17	1AH20EC017	TEJASH M U
18	1AH20EC018	BHANU TEJA

CLASS TEACHER

HOD, ECE



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STUDENT LIST - EVEN SEM - 2022-2023

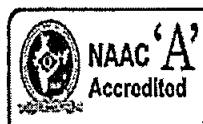
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39	1AH18EC044	RITVOSH GHOSH
40	1AH16EC036	PRAJWAL KUMAR R

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**DEPARTMENT
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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Webinar on Stress Management Emotion & Physical Health
2.	YEAR / ODD –EVEN SEMESTER	2022/Even
3.	DAY AND DATE	04-02-2022
4.	VENUE	ACSCE, Seminar Hall-2
5.	DURATION	1 Day
6.	Resource Person	Dr.Shivashankar P Shenoy
7.	ORGANIZED BY	Dr. Bharathi Gururaj
8.	PARTICIPANTS	85
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

HOD,ECE



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ENGINEERING**

INVITATION

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For

“SEMINAR / WEBINAR”

On

Stress Management Emotion & Physical Health

04.02.2022

Resource Person

Dr. Shivashankar P Shenoy

DAY: 01

VENUE:ACSCE

Department of ECE, ACSCE, Bangalore

TOPIC: Webinar on stress management
emotion & physical health

Date: 04-02-2022

SPEAKERS/ COMPANY: Dr. Shivshankar P
Shenoy

VENUE: ACSCE

Relaxation techniques: Laugh more: Studies show that laughing reduces the stress hormone cortisol. And it boosts your mood. Watch a funny show, or get together with someone who makes you laugh.

Calm your mind: Mindfulness, meditation, massage and deep breathing exercises can lower your heart rate and calm your mind. You can also listen to your favorite tunes or to soothing sounds.

Physical techniques: Be physically active: Walking outside or exercising with friends can help boost mood. You can also try mindful physical exercises like yoga or tai chi.

Eat a healthy diet: Aim for more fresh fruits and vegetables. Cut back on fatty foods, caffeine and sugar.

Improve your sleep habits: Turn off electronics, create a soothing environment and unwind with a book or warm bath to sleep better.

Stop using substances: Quit smoking and cut back on alcohol. Call the Substance Abuse and Mental Health

Services Association national helpline at 1.800.662.HELP (4357) if you need help overcoming a substance use disorder.

Cognitive techniques: Keep a journal: Write down the day's accomplishments. You can also capture positive events of the day or three things you're grateful for.

Make "me time": Try to do at least one thing a day that's just for you. It could be meditating, getting together with a friend, reading a book or working on a hobby.

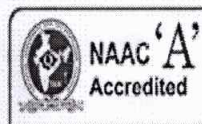
Seek help: A mental health professional can help you learn techniques to manage stress better. Cognitive behavioral therapy (CBT) is a proven technique that can help you change how you respond to life stressors.

Share your feelings: When you feel overwhelmed, connect with a trusted loved one or friend. Hearing a voice can help, either in-person or on the phone.

Take control: Use lists or smartphone apps to better manage your time and pare down to-dos. Try planning your day the evening before, so you know what to expect — and what you might need to postpone. Give yourself permission to say no to other people's requests.



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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	CAREER OPPORTUNITIES AFTER BE ✓
2.	YEAR / ODD –EVEN SEMESTER	2022/EVEN
3.	DAY AND DATE	19.04.2022
4.	VENUE	ACSCE
5.	DURATION	1 Day
6.	ORGANIZED BY	ECE
7.	PARTICIPANTS	42
8.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
9.	PHOTOS	Photos also enclosed.

Ragesh HB

Name of the Co-Ordinator

BG
HOD, ECE

HOD
Dept. of ECE
ACS College of Engineering
Bangalore - 560 074



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 19.04.2022

Seminar Report on: "CAREER OPPORTUNITIES AFTER BE"

Resource Person: Mr. Ramesh P
Faculty Mentor
ACE ACADEMY, BANGALORE

A seminar was conducted on Career Guidance on how to crack competitive exams for ECE students in A.C.S College Of Engineering Bangalore On 19th of April 2022 at 10:00 which was presented by "Pabba Ramesh" who was experience of 16 years 5 months in which 14 years and 5 months for teaching and 2 years experience in Industry , worked as an Assistant Professor in " Matrusri Engineering College" from "July 2012 to November 2014". He also worked as a teaching faculty in ACE Engineering College since September 2020.

He had handled subjects such as Electrical drives and Static Control, Power Electronics, Control Circuits and machines.

He has Qualifications like PHD pursuing in Power Electronics and power systems from SRM University M. Tech in Power Electronics and Industrial Drives B.E in EEE and diploma in EEE.

He has also published 6 International Journals and did 3 projects

He has got 87.55 percentile in Gate Exam in 2005 and has secured 32nd rank (state) in ECET exam.

Sir began the seminar by giving opportunities after BE in EC. Branch through gate exam like we can do M. Tech in II'Ts, NITs etc... , we can do job in PSUs comprising of 27 Public Sector companies. We can also pursue PHD directly by Prime Minister Research Follow Scheme. Then he gave us brief idea about GATE Exam, about its mode of conduction of exam, exam pattern etc. Later he gave the strategy to crack GATE exam in first attempt by doing the following:-

Follow the subject in which you are interested go through all the questions and easy questions first

And also he said us about the strategy for cracking ESE exam like

Selections of Questions



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Answering numerical questions

Time Management

Finally he gave us the mantra of cracking GATE as DSP

D stands for Determination

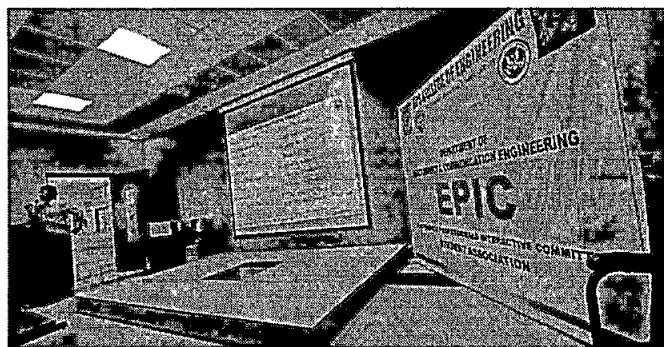
S stands for strategy

P stands plan of Action

At least he invited us to join ACE academy for studying for GATE, ESE exams etc and cleared our doubts regarding the above topic. The Session was very interactive.



**Welcome and Introduction of the Speaker by HOD, ECE:
Dr. Bharathi Gururaj**



Speaker's interaction with students



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**College Momento Presented to
Mr. Ramesh P by Dr. Prasanna Kumar**



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1	1AH19EC001	AMITH DEEPAK PAWAR	Amith
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7	1AH19EC008	PADMA REDDY G	Padma
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19	1AH19EC020	MADHUMITHA P	Madhumitha
20	1AH19EC021	PRAJWAL M	Prajwal
21	1AH19EC022	PRASHANTH D	Prashanth
22	1AH19EC023	PRASHANTH HALAGERI C	Prashanth C
23	1AH19EC024	PREETHI S	Preethi
24	1AH19EC025	PAVAN RAJ S	Pavan
25	1AH19EC026	SAJIN S	Sajin
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38	1AH18EC034	SUNIL KUMAR B K	Sunil
39	1AH18EC044	RITVOSH GHOSH	Ritvosh
40	1AH16EC036	PRAJWAL KUMAR R	Prajwal Kumar R.



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16	1AH20EC016	SRIGANESH H S	
17	1AH20EC017	TEJASH M U	
18	1AH20EC018	BHANU TEJA	
19	1AH19EC032	SYED NAYEEN	



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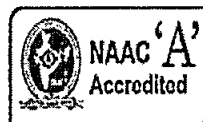


Department of Electronics and Communication Engineering
STUDENT LIST

SL.NO	USN	STUDENT NAME	Signature
1	IAH18EC001	ARATI S SWAMY	Arati S
2	IAH18EC003	AJAY M N	Ajay M.N.
3	IAH18EC004	ANUSHA A S	Anusha
4	IAH18EC005	ASHWINI UPPALADINNI	Ashwini
5	IAH18EC006	ASHWINI V	Ashwini V
6	IAH18EC007	CHARAN V	Charan V
7	IAH18EC008	CHETAN	Chetan
8	IAH18EC009	GAGAN B R	Gagan B R
9	IAH18EC010	GOWRI N	Gowri N
10	IAH18EC011	HARISH KUMAR M V	Harish Kumar M V
11	IAH18EC012	HEMANTH K	Hemanth K
12	IAH18EC013	KAPU HEMANTH KUMAR REDDY	Kapu Hemanth
13	IAH18EC014	KAVYA M S	Kavya M S
14	IAH18EC015	KIRAN VANJRE G	Kiran Vanjre G
15	IAH18EC016	LAXMI UPPALADINNI	Laxmi
16	IAH18EC019	NIDHISHREE V	Nidhishree V
17	IAH18EC020	NITESH GOWDA S	Nitesh Gowda S
18	IAH18EC021	POOJA G	Pooja G
19	IAH18EC022	RACHANA	Rachana
20	IAH18EC023	RAHUL M	Rahul M
21	IAH18EC024	RAKSHITH YADAV B	Rakshith Yadav B
22	IAH18EC025	RAMYA C	Ramya C
23	IAH18EC026	RANJEET K	Ranjeet K
24	IAH18EC027	RASHMITHA P	Rashmitha P
25	IAH18EC029	SADHANA K V	Sadhana K V
26	IAH18EC030	SALLAPALLI RAKSHA INDHU	Sallapalli Raksha Indhu
27	IAH18EC032	SHREEDHARA D BORANNAVAR	Shreedhara D Borannavar
28	IAH18EC033	SOWMYA M	Sowmya M
29	IAH18EC035	SURESH KUMAR H V	Suresh Kumar H V
30	IAH18EC036	SWATHI S	Swathi S
31	IAH18EC037	TEJAS K B	Tejas K B
32	IAH18EC038	VARSHINI M U	Varshini M U
33	IAH18EC039	VASAVI B L	Vasavi B L
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37	IAH18EC043	YOGITHA VAISHNAVI	Yogitha Vaishnavi
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39	IAH18EC045	SOMESH D YOGI	Somesh D Yogi
40	IAH15EC001	ABAYNAGESH H A	Abaynagesh H A
41	IAH15EC006	BHAVANPRIYA M R	Bhavanpriya M R
42	IAH15EC008	CHANDRA KIRAN S	Chandra Kiran S
43	IAH17EC029	SHASHANK	Shashank
44	IAH16EC031	NIKHIL N	Nikhil N
45	IAH17EC003	AJAY KUMAR PARAM	Ajay Kumar Param
46	IAH16EC011	BHARAT S	Bharat S
47	IAH18EC400	NISHANTH	Nishanth



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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Difacto Robotics
2.	YEAR / ODD –EVEN SEMESTER	2022/EVEN
3.	DAY AND DATE	28-04-2022
4.	VENUE	ACSCE
5.	DURATION	1 Day
6.	ORGANIZED BY	ECE
7.	PARTICIPANTS	42
8.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
9.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

HOD,ECE



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**DEPARTMENT
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INVITATION

We cordially invite one and all

For

“INDUSTRIAL VISIT”

On

Di-facto robotics

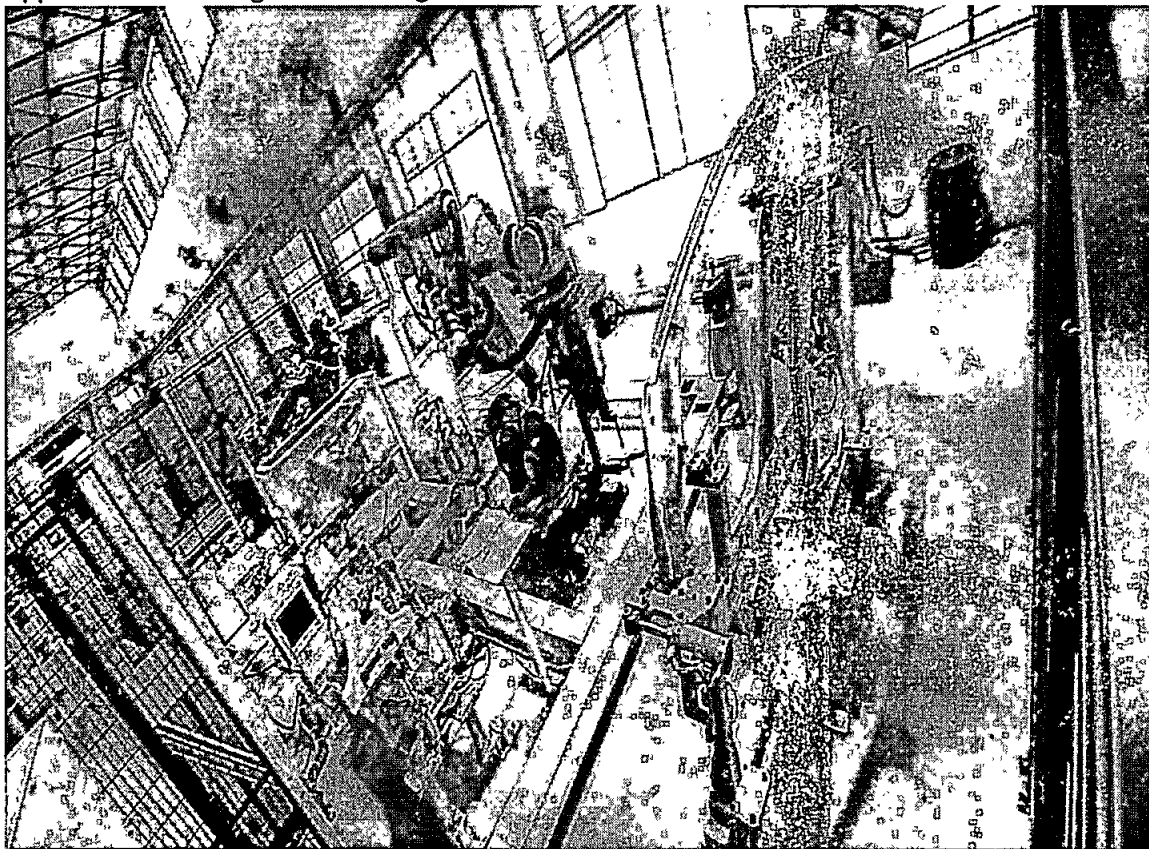
28.04.2022

DAY: 01

VENUE: Bangaloe
Department of ECE, ACSCE, Bangalore



We visited diFacto Robotics and Automation Private Limited located at Peenya 3rd phase Bangalore on 28th of April 2022. We had left the college at 09:00 am in college bus and had reached industry at 10:00 am. They had conducted two sessions. First session was theoretical session and another session was practical session. Dr. Prasannakumar sir and Vijaya Dalawai mam had accompanied us. Theoretical session was conducted by Nandagopal sir and he introduced many robots which are being used in the company like ABB, Adept, FANUC, Kawasaki, Kuka etc. he also explained about the company which offers Turnkey Robot-based Automation systems for a whole range of Industries and Applications including the following:-



- a) Body-in-White
- b) Foundry and Forge
- c) Arc Welding

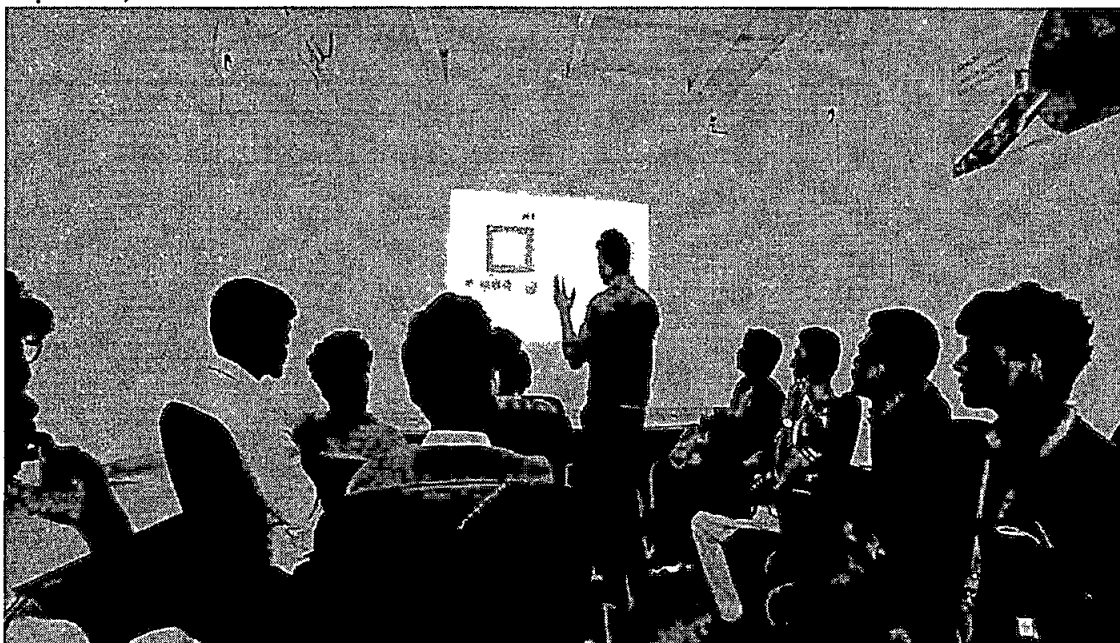
- d)Material Removal
- e)Assembly Applications
- f)Machine tending
- g)Material Handling
- h)Sealing,Waxing and Spraying



It was established in 2007 and it is a leading robot solution provider in the Indian manufacturing sector. It employs more than 200 engineers and has served customers in more than 15 countries over the past 14 years.

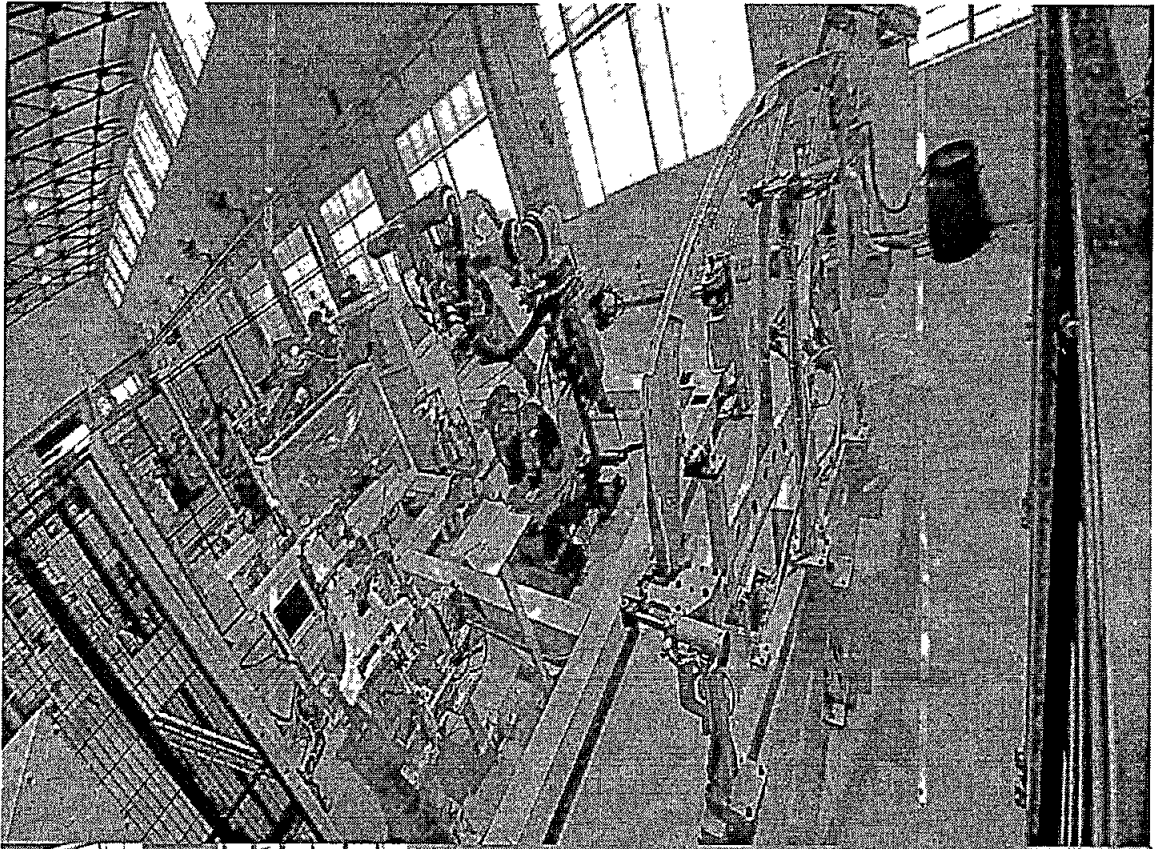
It also provides training to Pre-final year and final year UG graduates, freshers those who want experience for working in other companies.

The training courses provided are Robotics, PLC automation and HMI, Machine vision guidance and Inspection, Pneumatic automation and sensors and



he cleared our doubts.

After some break second session started which was practical, he showed us pneumatic automation real time application of doors and then working robots without human help except start/stop operation which is done by humans working on CNC machines.





Department of Electronics and Communication Engineering

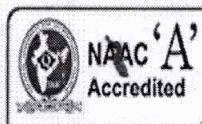
Seminar Attendance

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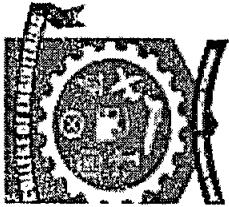


**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Microwave Technology
2.	YEAR / ODD –EVEN SEMESTER	2022/EVEN
3.	DAY AND DATE	06-05-2022
4.	VENUE	ACSCE
5.	DURATION	1 Day
6.	Resource Person	Mr. Ravikumar Technilab Instruments
7.	ORGANIZED BY	ECE
8.	PARTICIPANTS	40
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.


Name of the Co-Ordinator

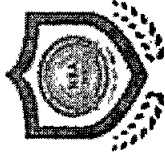

HOD, ECE
Dept. of ECE
ACS College of Engineering
Bangalore - 560 074



ACS College of Engineering

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(A Unit of RajaRajeswari Group of Institutions)

CET Code : E186 COMED-K : E003 PGGET : T918



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
IN COLLABORATION WITH
TECHNILAB INSTRUMENTS, BANGALORE
ORGANIZING ONE DAY WORKSHOP



ON

RECENT TRENDS IN MICROWAVE & ITS APPLICATIONS IN COMMUNICATION ENGINEERING

Topics covered

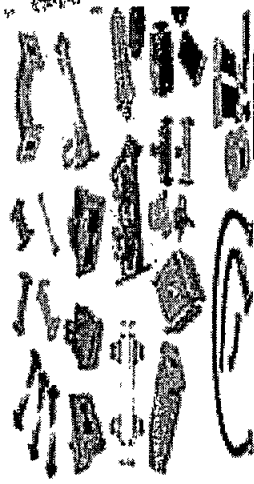
- ❖ Introduction to Microwave Communication
- ❖ Different types of Microwave Devices & working Principles
- ❖ Hands on session in Lab showcasing different Microwave devices in different bands of EM spectrum and its working.

Dr. M.S. Nayal
Principal

Dr. Bharathi Gururaj
HOD, ECE

Organized by
Dr. A.M. Prasanna Kumar
Professor

Resource person:
Mr. Ravi Kumar K
Mr. Vinay



DATE: 06/05 /2022, TIME: 09:30am

VENUE: SEMINAR HALL-3 & COMMUNICATION LAB (FIRST FLOOR)

CET CODE

AK : E003

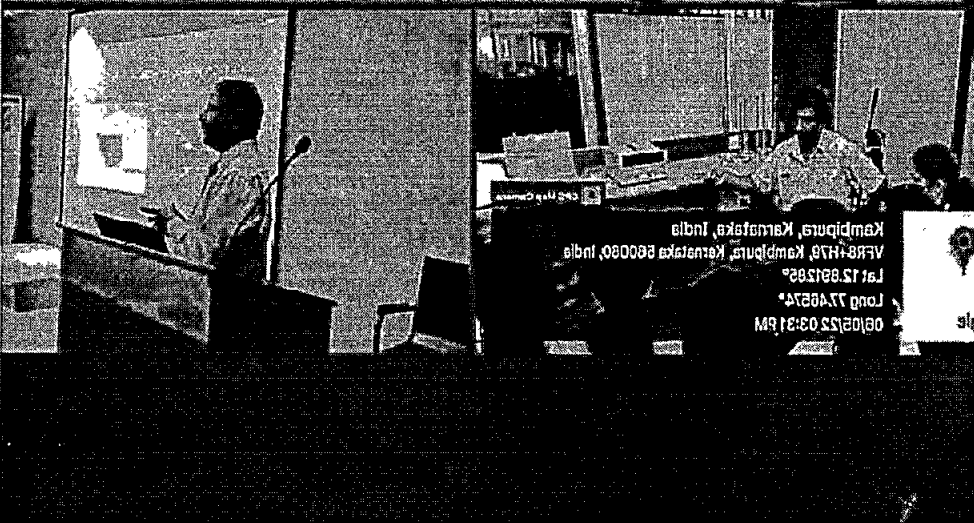
Hotline : +91 93

15678 ; +91-98

Website : www.acsce.edu.in

042 ; +91-9900541628

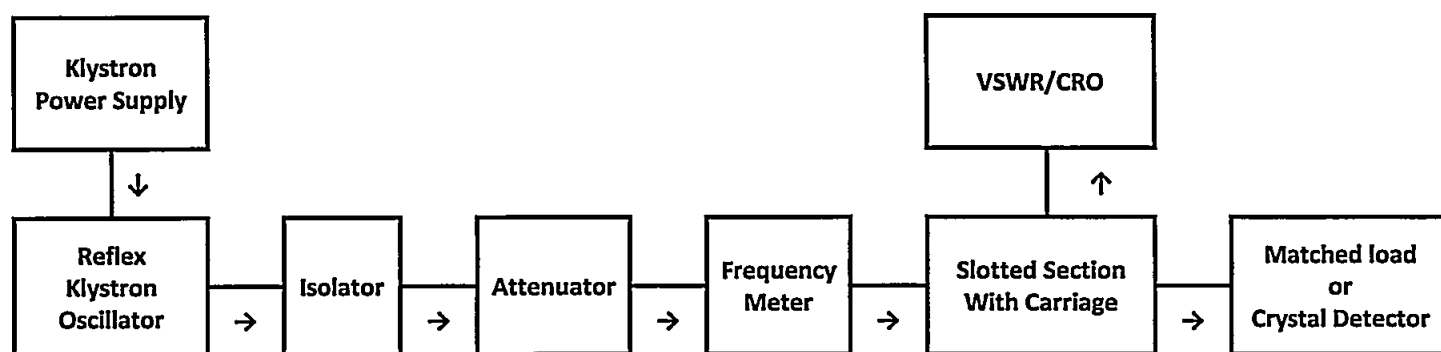
ACS COLLEGE OF ENGINEERING



Measurement of frequency, guide wave length, and VSWR in a microwave test bench using Klystron source

Aim: - Conduct a suitable experiment to measure the operating frequency, guide wave length, and VSWR (Voltage Standing Wave Ratio)

Block diagram: -



Procedure: -

1. Switch on the FAN before switching on Klystron power supply.
2. Assemble the equipment as shown in the block diagram.
3. Keep the repeller voltage at maximum and beam voltage at minimum before switching on the Klystron power supply.
4. Switch on the Klystron power supply and increase the beam voltage to 250v.
5. Slowly reduce the repeller voltage (not below 50v) and adjust the modulating signal amplitude and frequency to get clear out put on the CRO.
6. To measure the operating frequency, the frequency meter is tuned to get the DIP on the CRO and the frequency is read directly from the frequency meter.
7. To find the VSWR, move the carriage to maximum output position and set the VSWR to 1 on the VSWR meter by adjusting the gain (course and fine) move the carriage to minimum position. The reading of the VSWR meter gives the VSWR. Find the maximum output voltage V_{max} and minimum output voltage V_{min} $VSWR = V_{max}/V_{min}$
8. To find the λ_g move the carriage on the slotted line to get the maximum output and note down the reading on the scale on the slotted line and vernier scale say D_1 in cm, move the carriage to the right or left to get the next maximum output position note down the reading on the slotted line scale say D_2 in cm. the difference in distance between the two maximum outputs (or between two minimum positions) $D_1 - D_2 = \lambda_g/2$
Guide wave length $\lambda_g = 2 \times (D_1 - D_2) = \underline{\hspace{2cm}}$ cm
 $\lambda_c = 2a$ (wave guide inner broad dimensions as 'a' in cm)

Please Note down the following important readings: -

1. Beam Voltage 250 V

2. Beam Current 18 mA
3. Repeller Voltage 120 V
4. Operating frequency (Using Frequency meter) 9.34 GHz
5. VSWR (Using VSWR meter) 4
6. V max 150 m Volts
7. V min 30m Volts
8. VSWR (V max/V min) 5
9. D1 13.5 cm
10. D2 11.3 cm
11. D1-D2 = 2.2 cm
12. a = 2.3 cm
13. $\lambda_g = \underline{0.044}$ mtr ($2 \times (D1-D2)$)
14. $\lambda_c = \underline{0.046}$ mtr ($\lambda_c = 2a$)
15. $\lambda_o = \underline{0.03179}$
16. $f = \underline{9.435}$ GHz

$$\lambda_o = \frac{\lambda_g}{\sqrt{1 + \left(\frac{\lambda_g}{\lambda_c}\right)^2}}$$

$$f = c / \lambda_o \text{ cm/s}$$

$$(c = 3 \times 10^8)$$

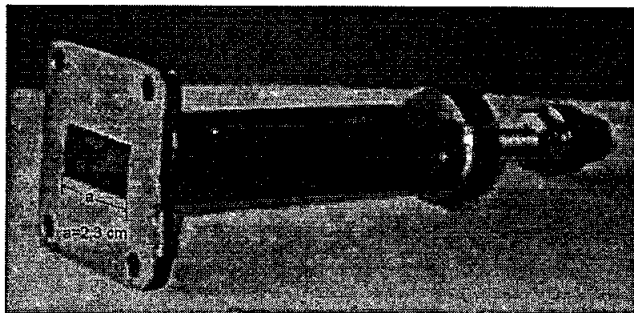
$$\lambda_o = \frac{0.044}{\sqrt{1 + \left(\frac{0.044}{0.046}\right)^2}}$$

$$f = \frac{3 \times 10^8}{0.03179}$$

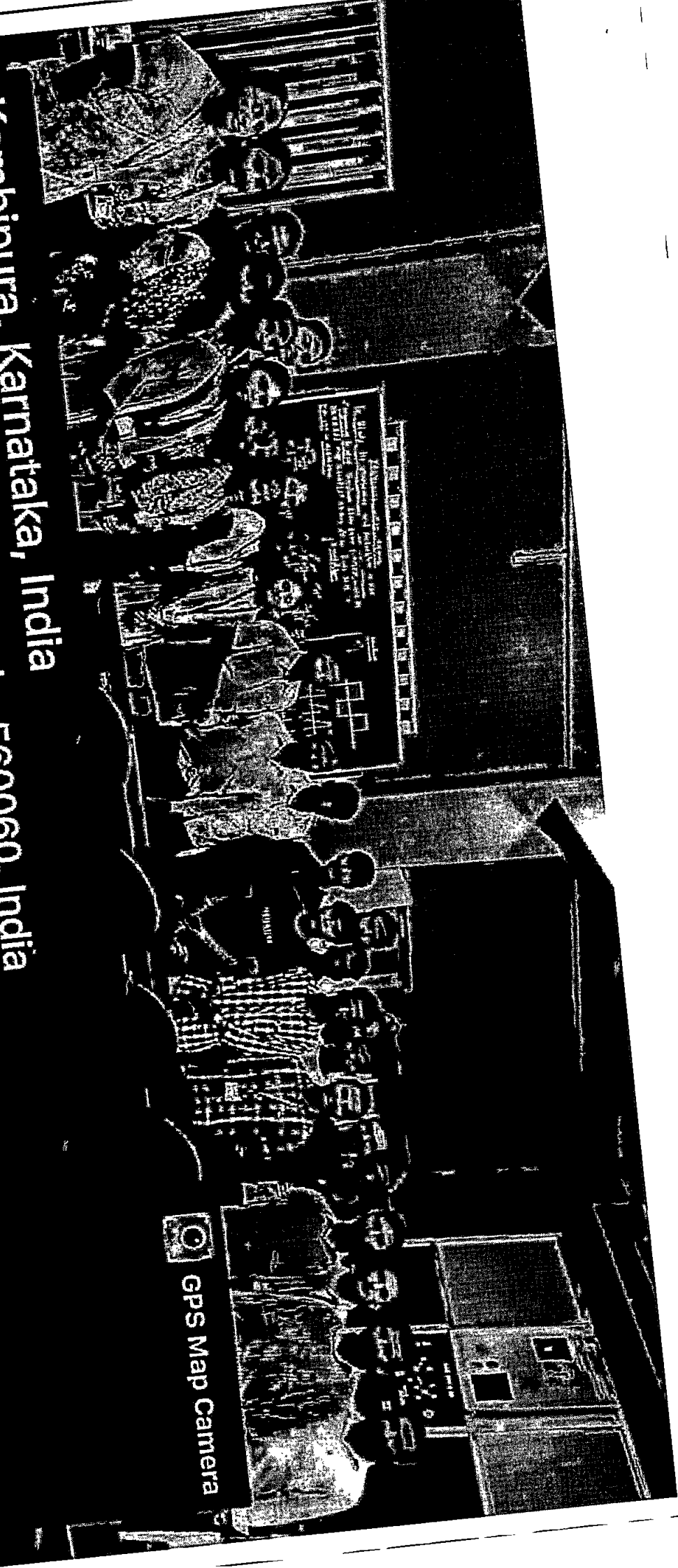
$$\lambda_o = 0.03179$$

$$f = 9.435 \text{ GHz}$$

Wave guide: -



$$a = 2.3 \text{ cm (23mm)}$$



Kambipura, Karnataka, India

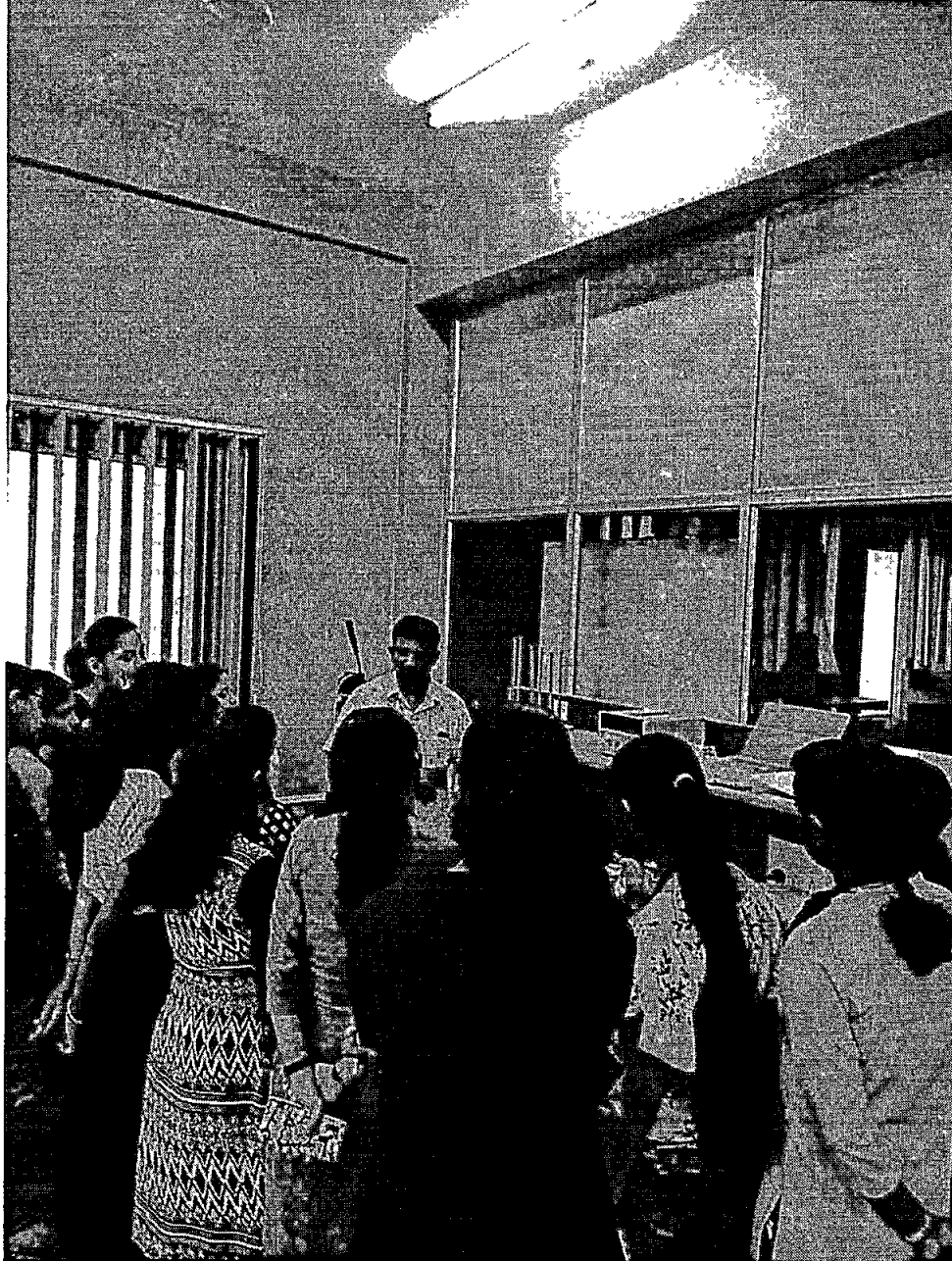
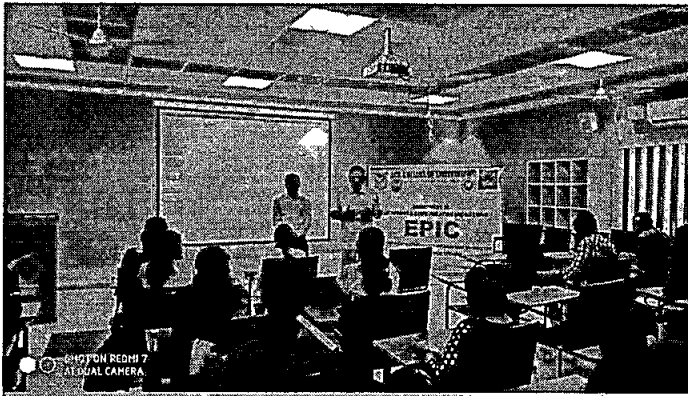
VFR8+H79, Kambipura, Karnataka 560060, India

Lat 12.891285°

Long 77.46574°

06/05/22 03:51 PM

GPS Map Camera





Department of Electronics and Communication Engineering
STUDENT LIST

SL.NO	USN	STUDENT NAME	Signature
1	1AH19EC001	AMITH DEEPAK PAWAR	<u>Amith Pawar</u>
2	1AH19EC003	CHANDAN G B	<u>Chand</u>
3	1AH19EC004	CHETHANA M NIJAGULI	<u>Chethu</u>
4	1AH19EC005	DEEPU Y	<u>Deepu Y</u>
5	1AH19EC006	FAISAL AHMED	<u>Faisal</u>
6	1AH19EC007	FARHAN MEHDI	<u>Farhan</u>
7	1AH19EC008	PADMA REDDY G	<u>Padma Reddy</u>
8	1AH19EC009	JEEVITHA S	<u>Jeevitha</u>
9	1AH19EC010	KAVYA M H	<u>Kavya</u>
10	1AH19EC011	KESAR M R	<u>Kesar</u>
11	1AH19EC012	LAKSHMI S	<u>Lakshmi</u>
12	1AH19EC013	MANMOHAN SHARMA	<u>Manmohan</u>
13	1AH19EC014	MEGHANA N	<u>Meghana</u>
14	1AH19EC015	NANDAN C L	<u>Nandan C.L.</u>
15	1AH19EC016	NAVYA H B	<u>Navya</u>
16	1AH19EC017	NETHRAVATHI C	<u>Nethra</u>
17	1AH19EC018	NIKHIL SWAMY B C	<u>Nikhil</u>
18	1AH19EC019	NIKITHA S	<u>Nikitha</u>
19	1AH19EC020	MADHUMITHA P	<u>Madhumitha</u>
20	1AH19EC021	PRAJWAL M	<u>Prajwal</u>
21	1AH19EC022	PRASHANTH D	<u>Prashanth</u>
22	1AH19EC023	PRASHANTH HALAGERI C	<u>Prashanth</u>
23	1AH19EC024	PREETHI S	<u>Preethi</u>
24	1AH19EC025	PAVAN RAJ S	<u>Pavan</u>
25	1AH19EC026	SAJIN S	<u>Sajin S</u>
26	1AH19EC027	SANGANA BASAPPA	<u>Sangeetha</u>
27	1AH19EC028	SANGEETHA M	<u>Sangeetha</u>
28	1AH19EC029	SATISH H S	<u>Satish H.S</u>
29	1AH19EC030	SONIYA J	<u>Soniya J</u>
30	1AH19EC031	SRI SAI KIRAN R	<u>Sai</u>
31	1AH19EC033	SYED WASEEM BOKHARI	<u>Waseem</u>
32	1AH19EC034	TULASI K P	<u>Tulasi</u>
33	1AH19EC035	VIJAYALAKSHMI K	<u>Vijaya</u>
34	1AH19EC036	VISHAL B L	<u>Vishal B.L</u>
35	1AH19EC037	YASHMICA T M	<u>Yashmica</u>
36	1AH18EC017	MAHESH B G	<u>Mahesh B.G</u>
37	1AH18EC031	SANJAY KUMAR B K	<u>Sanjay</u>
38	1AH18EC034	SUNIL KUMAR B K	<u>Sunil Kumar</u>
39	1AH18EC044	RITVOSH GHOSH	<u>Ritvosh</u>
40	1AH16EC036	PRAJWAL KUMAR R	<u>Prajwal</u>



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(A Unit of Rajarajawade Group of Institutions)
CET Code : E186 COMED-K : E003 PC CET : T918



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

5TH SEMESTER FIRST TEST ABSTRACT FOR ACADEMIC YEAR 2022 -2023

BRANCH	SUBJECT	SUB CODE	SYLLABUS COVERED	ATTENDANCE		QP WITH SCHEME & SOLUTION	STAFF SIGN
				PRESENT	ABSENT		
ECE	Technological Innovation Management & Entrepreneurship	18ES51					
	Digital Signal Processing	18EC52					
	Principles of Communication System	18EC53					
	Information theory & coding	18EC54					
	Electromagnetic Waves	18EC55					
	Verilog HDL	18EC56					

NAME & SIGNATURE OF

TEST COORDINATOR

HOD,ECE

2023



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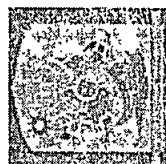


NAAC 'A'
Accredited



Department of Electronics and Communication Engineering STUDENT LIST

SL.NO	USN	STUDENT NAME	Signature
1	1AH20EC001	ABHISHEK PATIL	
2	1AH20EC002	ADITHYA K C	
3	1AH20EC003	AKSHAY S	
4	1AH20EC004	BAHUBALI RAJ A	
5	1AH20EC005	BHAVANA M	
6	1AH20EC006	BRUNDA M	
7	1AH20EC007	DARSHAN B SHETTY	
8	1AH20EC008	HARSHA PATIL N B	
9	1AH20EC009	HEMANTH KUMAR K B	
10	1AH20EC010	MOHAMMAD JAWAD	
11	1AH20EC011	MOHAMMED MUSTAQEEM	
12	1AH20EC012	MOHAMMED TOUHEED	
13	1AH20EC013	MOULYA H T	
14	1AH20EC014	PRATHIKSHA C S	
15	1AH20EC015	SACHIN N	
16	1AH20EC016	SRIGANESH H S	
17	1AH20EC017	TEJASH M U	
18	1AH20EC018	BHANU TEJA	
19	1AH19EC032	SYED NAYEEN	



ACS COLLEGE OF ENGINEERING

KAMBIPURA, MYSORE ROAD - 560074

INTERNAL TEST - I (ODD SEMESTER 2022-2023)

INVIGILATION DUTY ALLOTMENT (29/12/2022 TO 31/12/2022)

VIIITH SEMESTER

DATE	SESSION	TIMINGS	FACULTY NAME	SIGN
29/12/2022 Monday	FORENOON	9:30AM-11:00AM	Ms. Preetha Kannath	
29/12/2022 Monday	AFTERNOON	02:00PM-03:30PM	Mr. Praveen Patil	
30/12/2022 Tuesday	FORENOON	9:30AM-11:00AM	Mrs. Aishwarya L K	
30/12/2022 Tuesday	AFTERNOON	02:00PM-03:30PM	Mrs. Vijaya Dalawai	
31/12/2022 Wednesday	FORENOON	9:30AM-11:00AM	Dr. Prajith Prakash Nair	
31/12/2022 Wednesday	AFTERNOON	02:00PM-03:30PM	Mr. Praveen Patil	

Test Co-ordinator

Mr.NAGESH HB

Head of Department

INSTRUCTIONS

- 1) Invigilators should wear their ID cards.
- 2) No mobile or cell phone will be allowed during the duty hours.
- 3) Should not allow students to leave the examination hall till the end of Exam.



Department of Electronics and Communication Engineering
STUDENT LIST

SL.NO	USN	STUDENT NAME	Signature
1	1AH18EC001	ARATI S SWAMY	
2	1AH18EC003	AJAY M N	
3	1AH18EC004	ANUSHA A S	
4	1AH18EC005	ASHWINI UPPALADINNI	
5	1AH18EC006	ASHWINI V	
6	1AH18EC007	CHARAN V	
7	1AH18EC008	CHETAN	
8	1AH18EC009	GAGAN B R	
9	1AH18EC010	GOWRI N	
10	1AH18EC011	HARISH KUMAR M V	
11	1AH18EC012	HEMANTH K	
12	1AH18EC013	KAPU HEMANTH KUMAR REDDY	
13	1AH18EC014	KAVYA M S	
14	1AH18EC015	KIRAN VANJRE G	
15	1AH18EC016	LAXMI UPPALADINNI	
16	1AH18EC019	NIDHISHREE V	
17	1AH18EC020	NITESH GOWDA S	
18	1AH18EC021	POOJA G	
19	1AH18EC022	RACHANA	
20	1AH18EC023	RAHUL M	
21	1AH18EC024	RAKSHITH YADAV B	
22	1AH18EC025	RAMYA C	
23	1AH18EC026	RANJEET K	
24	1AH18EC027	RASHMITHA P	
25	1AH18EC029	SADHANA K V	
26	1AH18EC030	SALLAPALLI RAKSHA INDHU	
27	1AH18EC032	SHREEDHARA D BORANNAVAR	
28	1AH18EC033	SOWMYA M	
29	1AH18EC035	SURESH KUMAR H V	
30	1AH18EC036	SWATHI S	
31	1AH18EC037	TEJAS K B	
32	1AH18EC038	VARSHINI M U	
33	1AH18EC039	VASAVI B L	
34	1AH18EC040	VIJAY K	
35	1AH18EC041	VIJAY KUMAR S	
36	1AH18EC042	VIJETHA RAO A V	
37	1AH18EC043	YOGITHA VAISHNAVI	
38	1AH17EC021	SRISANDHYA M.B	
39	1AH18EC045	SOMESH D YOGI	
40	1AH15EC001	ABAYNAGESH H A	
41	1AH15EC006	BHAVANPRIYA M R	
42	1AH15EC008	CHANDRA KIRAN S	
43	1AH17EC029	SHASHANK	
44	1AH16EC031	NIKHIL N	
45	1AH17EC003	AJAY KUMAR PARAM	
46	1AH16EC011	BHARAT S	
47	1AH18EC400	NISHANTH	



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GET CODE : E186 COMED-K : E005 PAGE : 1918



ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore road, Bangalore-74

Department of ECE

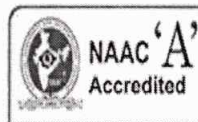
1st Internals Assessment evaluation

Academic Year	2022 – 2023 (ODD SEMESTER)
Semester / Scheme	VIITH SEMESTER
Subject Code	18ECXX
Subject Title	-----
Faculty In-charge/Designation	Mr. NAGESH H B

Sl. No	USN	NAME	18EC71(50)	18EC72(50)	18EC733(50)	18EC745(50)	18CV753(50)
1	1AH19EC001	AMITH DEEPAK PAWAR	10	30	10	07	20
2	1AH19EC003	CHANDAN G B	05	15	07	02	00
3	1AH19EC004	CHETHANA M NIJAGULI	45.5	50	46	37	35
4	1AH19EC005	DEEPU Y	34.5	50	47	34	43
5	1AH19EC006	FAISAL AHMED	12	36	05	16	36
6	1AH19EC007	FARHAN MEHDI	08	10	13	15	35
7	1AH19EC008	PADMA REDDY G	09	05	18	01	09
8	1AH19EC009	JEEVITHA S	32	50	40	47	44
9	1AH19EC010	KAVYA M H	23	27	39	23	32
10	1AH19EC011	KESAR M R	19	25	21	18	20
11	1AH19EC012	LAKSHMI S	12	33	34	16	36



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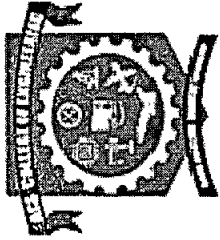


**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	lot and its Implementation
2.	YEAR / ODD –EVEN SEMESTER	2022/EVEN
3.	DAY AND DATE	09-05-2022
4.	VENUE	ACSCE
5.	DURATION	1 Day
6.	Resource Person	Mr.Kushal Edgate Technologies
7.	ORGANIZED BY	ECE
8.	PARTICIPANTS	80
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.


Name of the Co-Ordinator


HOD, ECE



ACS College of Engineering

Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
(A Unit of RajaRajeswari Group of Institutions)

GET Code : E186 COMED-K : E003 PGGET : T918



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

IN ASSOCIATION WITH

EDGATE TECHNOLOGIES, BANGALORE

Organizing

ONE DAY WORKSHOP WITH HANDS ON EXPERIENCE

ON

OVERVIEW OF INTERNET OF THINGS USING TEXAS INSTRUMENTS

Topics covered

- Introduction to IoT, application areas
- Introduction to Energia IDE & Programming.
- Wi-Fi Libraries, IP Addressing
- CC3100 Booster pack and implementation.

DATE : 09/05/2022

TIME : 09:30 am

VENUE: SEMINAR HALL-3



Mr. Kushal Nesai
Embedded System Engineer
EdGate Technologies, Bangalore

Dr. M.S. Murali
Principal

Dr. Bharathi Gururaj
HOD, ECE

Faculty incharge
Mr. Nagesh H B & Mr. Prajith Nair

GET CODE :- E186

COMED-K :- E003

Website : www.aecsee.edu.in

Hotline : +91-9008545678 ; +91-9900500042 ; +91-9900500028



Quotation

GSTIN: 29AADCE3176H2ZH
CIN: U74900KA2013PTC068086
PAN : AADCE3176H

OUR REF: EDGT/IOT/ACSCE/QOT-T

12-04-2022

The Principal,
ACS College of Engineering
RAJARAJESWARI GROUP OF INSTITUTIONS,
KAMBIPURA, Mysore Road, Bengaluru,
Karnataka 560074

Dear Sir,

Sub: Proposal for on Campus - Student Development Program
Ref: As per discussion

We are in receipt of above referred enquiry and thank you for the same. Kindly find the Proposal attached .

Please find enclosed the following for your kind reference.

1. Quotation for On Campus -Training Program
 2. Training Agenda
- For any further clarifications, please feel free to contact us.

Thanking You,

With Best Regards,
For Edgate Technologies Pvt Ltd

A handwritten signature in black ink, appearing to read "Gurpreet Singh", is placed over a rectangular stamp.

(Gurpreet Singh)
Head Business Operations

M/s EdGate Technologies Pvt Limited
#479, 6th Main ,HMT Layout, R.T.Nagar,Opp. BMTC Bus Depot
Bangalore - 560 032
Phone : 080-23535125, 23535128



Overview of Internet of Things using Texas Instrument Microcontroller

(1 day Offline Training)

Contact Us:

6362246985, 8317316015

EdGate Technologies Pvt Ltd

RT Nagar, Bangalore – 32

Overview

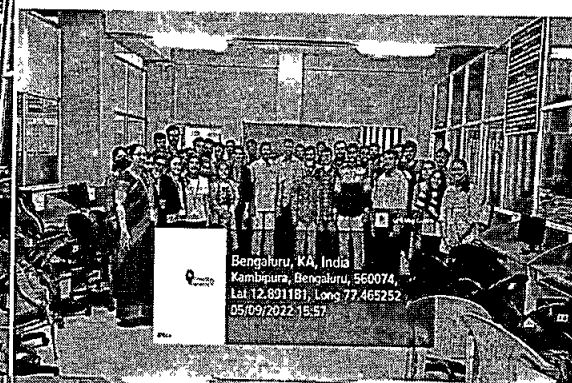
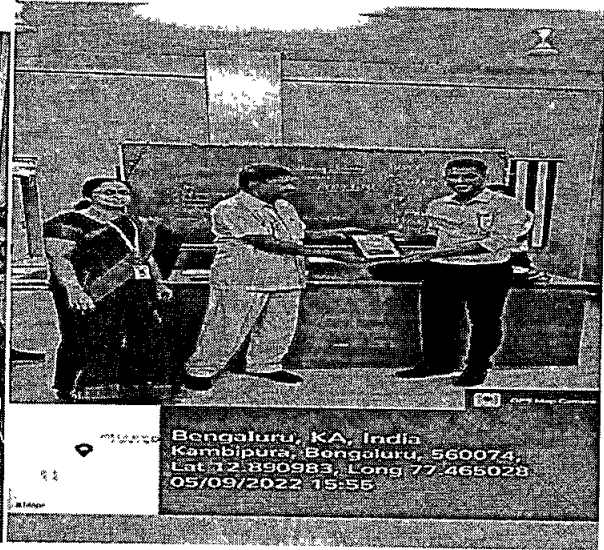
This Training Program offers a complete Overview on the “**IoT Implementation**” and is based on the advanced development tools from Texas Instruments. The Tiva TM4C123GXL Development Kit, CC3100 Booster Pack, offers a complete High Performance Embedded solution while integrated with Energia IDE, which simplifies the application development.

Hours of Training / Day: 4-5 Hours

Plan

1. Phase I:

- a. Introduction to Internet of Thing, IoT Architecture, Application areas
- b. Introduction to Energia IDE and Basic programming on Energia
- c. Introduction to CC3100 Booster Pack and implementation of WiFi Applications
- d. Networking Basics: Understanding the OSI Model.
- e. Introduction to WiFi Libraries, IP Addressing, implementation of the same
- f. Overview and Usage of Blynk Cloud Service and implementation of Blynkbased applications



Date: 29-04-2022

To,

Executive Director
RRGI, Bangalore

Through,
Principal
ACSCE, Bangalore

Respected sir,

Subject: Reimbursement of the fee collected towards workshop scheduled in March 2020 on Robotics and permission to conduct the workshop on 09.05.2022-reg.

With reference to above subject, Department of ECE had planned to conduct workshop on Robotics for the present 8th semester students and Python Programming in the Month of March 2020. We had got the approval from the Executive Director on 18/02/2020 for the same and amount was collected by accounts department, ACSCE. (Letter enclosed). The total amount collected from students of II year and III year was Rs 28650/- ($400 \times 34 = 13600$) + ($350 \times 43 = 15050$)). (Receipt enclosed). The amount of Rs 15000 for passed out students was reimbursed to students as due to pandemic in the Month of August 2021 (List enclosed).

For the present final year students, due to Pandemic, we were not able to conduct on the above said date. Now we are scheduling the offline workshop on **"Overview of Internet of Things using Texas Microcontroller"** by Edgate Technologies on 09.05.2022 (Monday) from 10:00am to 3:30pm. The detailed agenda and Topics covering by the company are enclosed for your reference which will be beneficial to Final year students in their placements. The training offers a complete overview on IoT implementation and is based on advanced development tools from Texas Instruments. The reimbursement amount and its expenditure details for workshop are given below:

Forwarded for your kind approval.
Hireal
29/04/22.

Reimbursement amount: Rs 13650/-

Sl. No.	Details	Amount(Rs) to be spent
1	Service charges on Training on IoT Implementation (Company quotation letter)	12000
2	Miscellaneous +Tea and snacks	1650
Total		13650

Hence, I kindly request you to do needful at the earliest
Thanking you.

Enclosures:

1. Executive director letters approved dated 18.02.2020 and 18.08.2021.
2. List of students enrolled for workshop
3. Accounts receipt from Accounts department.
4. Edgate Technologies Company letters (Quotation and agenda dated 12.04.2022)

Yours sincerely
Bharathi Gunraj
29/04/2022

Dr. Bharathi Gunraj
HOD, ECE
ACSCE

Received
29/04/22

ACS**College of Engineering**

Ref: ACSCE-Blr/EST/2019-20/987

Date: 18.02.2020

To,
The Executive Director
RajaRajeswari Group of Institutions
Bangalore - 560 074.

Sir,

Sub: Requisition to conduct two days Workshop for 4th & 6th Semester ECE students - reg.

With reference to the above, the Department of Electronics & Communication Engineering is willing to conduct two days Workshop on "Robotics Level - 1" for 4th semester students and "Python Programming" for 6th semester students on 16.03.2020 and 17.03.2020 by Industry Experts.

The details of registration amount for Training & Extra Components to be collected from the students for Robotics Workshop (4th Semester) Rs. 350/- per student (39 students) and for Python Workshop (6th semester) Rs. 400/- per student (39 students). The amount have been fixed after detailed discussion with the vendors and they accepted to do the workshop from Rs. 469/- to Rs. 350/- and Rs. 550/- to 400/-.

I request you kindly to approve the same and do the needful.

Thanking you,

Yours faithfully,

R. L. J.
PRINCIPAL
Principal
18/2/20

A.C.S. College of Engineering
Kambipura, Mysore Road Kengeri Hobli
Bangalore - 560 074

otel.
Discussion made with the authorities of the
Young Women and it has been finalized/proposed
have workshop for III Year & II Year Students
12th & 15th March 2020.

Year :- Robotics level - I → From Rs 469 to Rs 350 / each
Year :- Python Programming → From Rs 550 to Rs 400 / each

15/02/2020
R. L. J.
18/2/20

#207, Kambipura, Mysore Road, Bangalore - 560 060.

Ph: +91-80-2843 7955/855 Fax: +91-80- 28437989 Mobile: +91 9900028024

E-mail: principal@acsce.edu.in Website: www.acsce.edu.in



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Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
(A Unit of RajaRajeswari Group of Institutions)
CET Code : E185 COMED-K : E003 PGGET : T918



Department of Electronics and Communication Engineering

To,
The Principal
ACS College of Engineering
Bangalore -74

Date: 08/08/2021

Through, HOD, ECE

Respected Sir,

(Sub: Reimbursement of the fee collected towards workshops on March 2020 on "Python Programming"-reg.,)

With reference to the above subject, Department of ECE had planned to conduct two days workshop on "Python Programming" for present 8th semester students in the month of March 2020. We had got the approval from Executive Director on 18/2/2020 for the same and the amount was collected by accounts department, ACSCE. (Letter enclosed)

Present final year students who have made the payment are at the Verge of completing their course. Due to lockdown and present pandemic situations, we were not able to conduct the same till date. The details for the amount collected is Rs 400/ for Python Programming. Hence, we hereby request to reimburse the same to the students.

Hence, I kindly request you to do the needful at the earliest.

Thanking you,

Enclosures :

1. Executive Director approved letter
2. List of students registered for Python Programming.
3. Accounts receipt from accounts department for the same.

Yours sincerely,

Ashwini A M
Ashwini A M

forwarded to principal

submitted

BG 18/8/2021

Dept of ECE Planned to conduct workshop on Python programming during March 2020 for then III yr Students.

Due to lockdown they could not conduct the programme.

Now the Students have completed 8th sem. An amount of

Rs 28,650/- collected from then II & III yr Students. This year

once the Students start coming as final year we will be conducting

an amount of Rs 15,000/-



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of students registered for Python Programming

SL.NO	USN	STUDENT NAME	AMOUNT PAID
1	1AH17EC001	Abhinav Anand	400*34=13600
2	1AH17 EC002	Aditya Swaroop.S	
3	1AH17EC004	Akshay Aradhya.M	
4	1AH17EC006	Ashwini.M	
5	1AH17EC007	Athira.K	
6	1AH17EC008	Bharath Kumar.P	
7	1AH17EC009	Brinda.V	
8	1AH17EC010	Chandana.R	
9	1AH17EC011	Chandan Gowda.K R	
10	1AH17EC012	Chethan Kumar.B	
11	1AH17EC013	Chethan Kumar.L	
12	1AH17EC014	Deepika.G	
13	1AH17EC015	Dilip.K	
14	1AH17EC016	Dinesh.M	
15	1AH17EC017	Drupad.N	
16	1AH17EC018	Hitha Suresh	
17	1AH17EC019	Jeshwanth. Y R	
18	1AH17EC020	Kala.N.S.	
19	1AH17EC022	Monish.D	
20	1AH17EC023	Prajwal.N	
21	1AH17EC024	Preity.T	
22	1AH17EC027	Samarth Kulkarni	
23	1AH17EC028	Sarwesh	
24	1AH17EC030	Shreyas. D K	
25	1AH17EC032	Vidya.M	
26	1AH17EC033	Vinaykumar N Pattar	
27	1AH16EC017	Gayithri H H	
28	1AH15EC034	Sathyashree G	
29	1AH16EC033	Pavithra P C	
30	1AH16EC025	Mahesh N	
31	1AH15EC009	Chinmaya Naik	
32	1AH16EC008	B Manoj Kumar	
33	1AH16EC046	Yashpal gowda H V	
34	1AH16EC035	Prajwal C N	
35	1AH15EC029	Ravikumar K	350*4=1400
36	1AH16EC0400	Monica Gladise K	
37	1AH16EC016	Gayithri T N	
38	1AH16EC039	Suraksha	

Reimbursed amt Total: 15,000/-

Handwritten signature
18/08/2021



CS College of Engineering

207, Kambipura, Bangalore-560 074

1. Date

0 0 0 0 0 0 0 0

3555

2. Students Name

CCC Department

3. Roll No./USN No.

Workshop amount

4. Course

Class / Year

6. Fees

Sl No	Particulars	Amount
1	Tuition Fees	
2	Hostel Fees	
3	College Fees	
4	Caution Deposit	
5	Examination Fees	
6	Transportation Fees	
7	Other Fees Workshop amount	
	(a) 400 x 34	13,600
	(b) 350 x 43	15,050
	(c)	
	Total Amount	28,650

6. Amount in words

Twenty eight thousand six hundred and fifty only

7. Depositor Contact No

0 0 0 0 0 0 0 0

8. Cash/Net/Card

Cash

Transaction ID

Name of Bank

ICICI Bank

11-3-2020

Cashier

Accounts Officer

Out of 28,650/- , Rs 15,000 has been reimbursed to 2021 passed out students. Remaining 13,650/- [350 x 39] is with college accounts.



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Department of Electronics and Communication Engineering
VIII SEM STUDENT LIST- EVEN SEM – 2022
LIST OF STUDENTS REGISTERED FOR THE WORKSHOP ON ROBOTICS

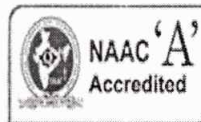
SL.NO	USN	STUDENT NAME	Amount paid
1	1AH18EC001	ARATI S SWAMY	350x39=13650
2	1AH18EC003	AJAY M N	
3	1AH18EC004	ANUSHA A S	
4	1AH18EC005	ASHWINI UPPALADINNI	
5	1AH18EC006	ASHWINI V	
6	1AH18EC007	CHARAN V	
7	1AH18EC008	CHETAN	
8	1AH18EC009	GAGAN B R	
9	1AH18EC010	GOWRI N	
10	1AH18EC011	HARISH KUMAR M V	
11	1AH18EC012	HEMANTH K	
12	1AH18EC013	KAPU HEMANTH KUMAR REDDY	
13	1AH18EC014	KAVYA M S	
14	1AH18EC015	KIRAN VANJRE G	
15	1AH18EC016	LAXMI UPPALADINNI	
16	1AH18EC019	NIDHISHREE V	
17	1AH18EC020	NITESH GOWDA S	
18	1AH18EC021	POOJA G	
19	1AH18EC022	RACHANA	
20	1AH18EC023	RAHUL M	
21	1AH18EC024	RAKSHITH YADAV B	
22	1AH18EC025	RAMYA C	
23	1AH18EC026	RANJEET K	
24	1AH18EC027	RASHMITHA P	
25	1AH18EC029	SADHANA K V	
26	1AH18EC030	SALLAPALLI RAKSHA INDHU	
27	1AH18EC032	SHREEDHARA D BORANNAVAR	
28	1AH18EC033	SOWMYA M	
29	1AH18EC035	SURESH KUMAR H V	
30	1AH18EC036	SWATHI S	
31	1AH18EC037	TEJAS K B	
32	1AH18EC038	VARSHINI M U	
33	1AH18EC039	VASAVI B L	
34	1AH18EC040	VJAY K	
35	1AH18EC041	VIJAY KUMAR S	
36	1AH18EC042	VIJETHA RAO A V	
37	1AH18EC043	YOGITHA VAISHNAVI	
38	1AH17EC021	SRISANDHYA.M.B	
39	1AH18EC045	SOMESH D YOGI	

BG
28/4/2022

Dr. Bharathi Gurnraj

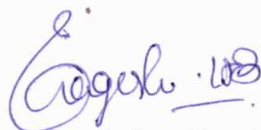


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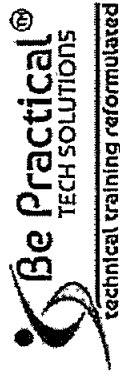
**DEPARTMENT
OF
ELECTRONICS & COMMUNICATION ENGINEERING**

SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Career Guidance
2.	YEAR / ODD –EVEN SEMESTER	2022/EVEN
3.	DAY AND DATE	10-05-2022
4.	VENUE	ACSCE
5.	DURATION	1 Day
6.	Resource Person	Mr.Chowdary BE Practical solutions
7.	ORGANIZED BY	ECE
8.	PARTICIPANTS	80
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.



Name of the Co-Ordinator


HOD, ECE



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Now Road to Success Program from Be Practical Academy is in ACSC

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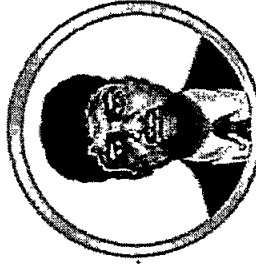
with below technologies

Fullstack development | Digital Marketing | Cloud Computing | Software Testing

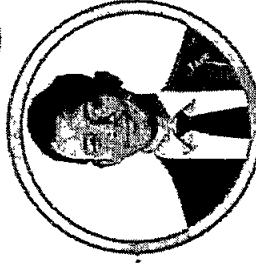
Benefits of the program

- ✓ Scholarship for Students
- ✓ Certification of Participation

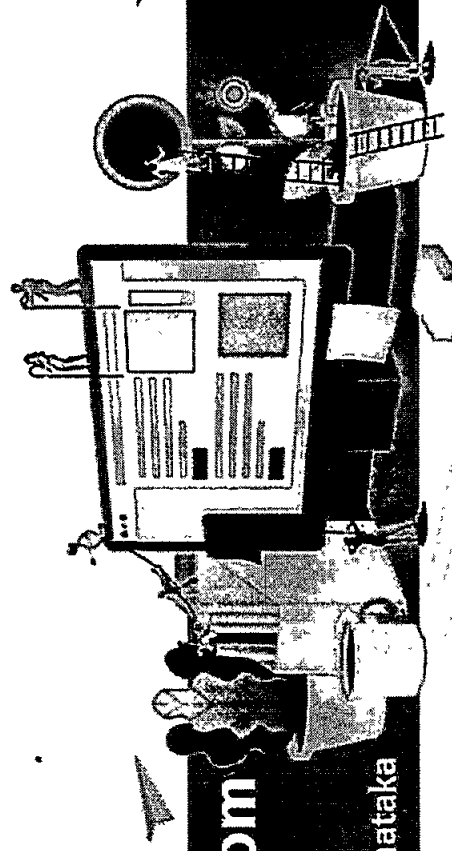
Speakers



Mr. Chowdry K H
25 years of Exp. in
various technology
Qlfn: M Tech



Mr. Harish Kumar V
15 years of Exp. in
Technical Consultant
Qlfn: B Tech



Call: 9242079119 | info@be-practical.com

website: be-practical.com

#332, 1st Cross, 3rd Stage 4th Block, Basaveshwar Nagar, Bengaluru, Karnataka



SEMINAR

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College of Engineering

Now Road to Success Program from Be Practical Academy is in ACSCE

with below technologies

Fullstack
development

Software
Testing

Cloud
Computing

Benefits of the program

- ✓ Scholarship for Students
- ✓ Certification of Participation

Speakers



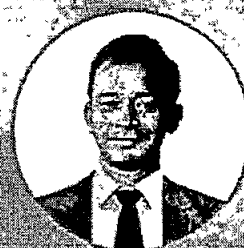
@11am 9th May 2022
CS Branch

@11am 10th May 2022
E&C Branch



Mr. Chowdry K H
25 years of Exp. in
various technology

Qlfn: M Tech



Mr. Harish Kumar V
15 years of Exp. in
Technical Consultant

Qlfn: B Tech

other dept. Students
can also attend in any
of the dates

Call: 9242079119

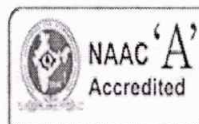
website: be-practical.com | Email: info@be-practical.com

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Karnataka 560079

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**DEPARTMENT
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SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Career guidance program By Mr.Chowdary BE Practical Solns
2.	YEAR / ODD –EVEN SEMESTER	2022/EVEN
3.	DAY AND DATE	21-05-2022
4.	VENUE	ACSCE
5.	DURATION	1 Day
6.	ORGANIZED BY	ECE
7.	PARTICIPANTS	87
8.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
9.	PHOTOS	Photos also enclosed.


Name of the Co-Ordinator


HOD, ECE



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NAAC 'A'
Accredited

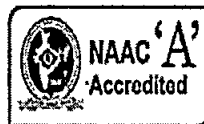


Department of Electronics and Communication Engineering
STUDENT LIST

SL.NO	USN	STUDENT NAME	Signature
1	1AH18EC001	ARATI S SWAMY	<i>Arati S Swamy</i>
2	1AH18EC003	AJAY M N	<i>Ajay M N</i>
3	1AH18EC004	ANUSHA A S	<i>Anusha A S</i>
4	1AH18EC005	ASHWINI UPPALADINNI	<i>Ashwini Uppaladinni</i>
5	1AH18EC006	ASHWINI V	<i>Ashwini V</i>
6	1AH18EC007	CHARAN V	<i>Charan V</i>
7	1AH18EC008	CHETAN	<i>Chetan</i>
8	1AH18EC009	GAGAN B R	<i>Gagan B R</i>
9	1AH18EC010	GOWRI N	<i>Gowri N</i>
10	1AH18EC011	HARISH KUMAR M V	<i>Harish Kumar M V</i>
11	1AH18EC012	HEMANTH K	<i>Hemant K</i>
12	1AH18EC013	KAPU HEMANTH KUMAR REDDY	<i>Kapu Hemant Kumar Reddy</i>
13	1AH18EC014	KAVYA M S	<i>Kavya M S</i>
14	1AH18EC015	KIRAN VANJRE G	<i>Kiran Vanjre G</i>
15	1AH18EC016	LAXMI UPPALADINNI	<i>Laxmi Uppaladinni</i>
16	1AH18EC019	NIDHISHREE V	<i>Nidhishree V</i>
17	1AH18EC020	NITESH GOWDA S	<i>Nitesh Gowda S</i>
18	1AH18EC021	POOJA G	<i>Pooja G</i>
19	1AH18EC022	RACHANA	<i>Rachana</i>
20	1AH18EC023	RAHUL M	<i>Rahul M</i>
21	1AH18EC024	RAKSHITH YADAV B	<i>Rakshith Yadav B</i>
22	1AH18EC025	RAMYA C	<i>Ramya C</i>
23	1AH18EC026	RANJEET K	<i>Ranjeet K</i>
24	1AH18EC027	RASHMITHA P	<i>Rashmitha P</i>
25	1AH18EC029	SADHANA K V	<i>Sadhana K V</i>
26	1AH18EC030	SALLAPALLI RAKSHA INDHU	<i>Sallapalli Raksha Indhu</i>
27	1AH18EC032	SHREEDHARA D BORANNAVAR	<i>Shreedhara D Borannavar</i>
28	1AH18EC033	SOWMYA M	<i>Sowmya M</i>
29	1AH18EC035	SURESH KUMAR H V	<i>Suresh Kumar H V</i>
30	1AH18EC036	SWATHI S	<i>Swathi S</i>
31	1AH18EC037	TEJAS K B	<i>Tejas K B</i>
32	1AH18EC038	VARSHINI M U	<i>Varshini M U</i>
33	1AH18EC039	VASAVI B L	<i>Vasavi B L</i>
34	1AH18EC040	VIJAY K	<i>Vijay K</i>
35	1AH18EC041	VIJAY KUMAR S	<i>Vijay Kumar S</i>
36	1AH18EC042	VIJETHA RAO A V	<i>Vijetha Rao A V</i>
37	1AH18EC043	YOGITHA VAISHNAVI	<i>Yogitha Vaishnavi</i>
38	1AH17EC021	SRISANDHYA M.B	<i>Srisandhya M.B</i>
39	1AH18EC045	SOMESH D YOGI	<i>Somesh D Yogi</i>
40	1AH15EC001	ABAYNAGESH H A	<i>Abaynagesh H A</i>
41	1AH15EC006	BHAVANPRIYA M R	<i>Bhavanpriya M R</i>
42	1AH15EC008	CHANDRA KIRAN S	<i>Chandra Kiran S</i>
43	1AH17EC029	SHASHANK	<i>Shashank</i>
44	1AH16EC031	NIKHIL N	<i>Nikhil N</i>
45	1AH17EC003	AJAY KUMAR PARAM	<i>Ajay Kumar Param</i>
46	1AH16EC011	BHARAT S	<i>Bharat S</i>
47	1AH18EC400	NISHANTH	<i>Nishanth</i>



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**DEPARTMENT
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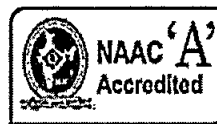
SL. NO.	DETAILS OF THE EVENT	
1.	TITLE OF THE EVENT	Project exhibition
2.	YEAR / ODD –EVEN SEMESTER	2021-22
3.	DAY AND DATE	29.07.2022
4.	VENUE	ACSCE
5.	DURATION	1Day
6.	Resource Person	Dr. A M Prasanna Kumar
7.	ORGANIZED BY	ACSCE
8.	PARTICIPANTS	ECE Students
9.	BRIEF SUMMARY OF THE EVENT	Enclosed Report
10.	PHOTOS	Photos also enclosed.

Name of the Co-Ordinator

HOD, ECE



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(A Unit of RajaRajeswari Group of Institutions)



**DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION
ENGINEERING**

INVITATION

We cordially invite one and all

For

“PROJECT EXHIBITION”

On

29.07.2022

Resource Person

Dr. A M Prasanna Kumar

DAY: 01

VENUE:ACSCE

Department of ECE, ACSCE, Bangalore

TOPIC: PROJECT EXHIBITION

Date: 29-07-2022

SPEAKERS: Dr. A M Prasanna Kumar

Venue: Seminar Hall-3

Abstract:

The educational technologies of higher education are changing in the context of the growing influence of creative industries, the priority of the values of over-professional competencies and the expansion of the range of tasks associated with the development of cultural processes in the territories. The article discusses ways of modifying exhibition activities, where proprietary technologies are rapidly developing, trends in digitalization and event practices are strong, including performances, happening, master classes. Universities are involved in creative practices, but such work requires pedagogical logic, a methodology for involving young people in this area. The purpose of the study was to search for reliable methods and resources necessary for a successful strategy for the development of the art space of the university. Analysis of training courses related to exhibition work, an overview of the sites available for the presentation of youth projects, student surveys on motivation in the field of creative initiatives have become methods of obtaining the initial research data. As a result, it is concluded that it is necessary to develop the art space of the university as an independent educational practice, including for the development of open massive online courses and the formation of art collections in the multimedia format. 1

Introduction Modern universities pay great attention to project technologies in the implementation of the tasks of professional training and the development of students' creative initiative. As you know, the product is very important in the project, it can be tangible or intangible, but its assessment can be obtained if the product is involved in the activity or presented in any exhibition space. At the same time, the technologies of exhibition activities are rapidly developing, and by now we can say that exhibitions occupy their own professional niche with differentiated competencies of specialists in museum expositions, urban art

spaces, craft workshops, art galleries, trade and industrial exhibitions, and the MICE-industry etc. This situation is not accidental; it manifests itself in line with the trends of new urbanism, aestheticization of the environment, the convergence of creativity and everyday life, the multiplication of forms of business cooperation, and the growth of value turnover in the economy of impressions.

Materials and methods:

The development of a strategy for the development of the university's art space is included in the segment of its design and creative activities, is included in the general Development Strategy of MASU, this was preceded by work on holding events and implementing grants related to creative student projects focused on the creation of art objects and social spaces to improve quality urban environment. Student projects entered into collaboration with scientific research in the framework of the project "Creative City – Territory of Development".

Results:

An assessment of the development of exhibition activities in the Murmansk region should begin with an overview of cultural institutions on the territory of which it is possible to hold public art exhibitions. The exhibition hall of the city of Murmansk (v-zal.murm.muzkult.ru) is an institution whose main task is to promote the work of professional and amateur artists, as well as masters of decorative arts; satisfaction of the aesthetic needs of the population of the city and region. Exhibition activities are diverse: personal exhibitions, photo exhibitions, exhibitions of arts and crafts, exhibitions of children and youth creativity, exhibitions from private collections. Murmansk Regional Art Museum (artmmuseum.ru). The main objective of the museum is the promotion of contemporary art, including the art of Murmansk artists, traditions of Russian art crafts. A large number of personal exhibitions are organized annually in the museum. For example, the annual exhibition "Arctic", which exhibited the work of artists from different cities of the Murmansk region. Each year, the art museum hosts young fashion designers and designers of the of the fashion festival. Murmansk Regional Museum of Local Lore (mokm51.ru). In addition to permanent exhibitions, the museum annually holds over 100 exhibitions. A distinctive feature is that the museum provides services for organizing traveling exhibitions. The museum of local lore provides exhibition space for exhibitions of state and public organizations and institutions, collections of individuals, young artists of the Murmansk region, students.



Department of Electronics and Communication Engineering

Seminar Attendance

SL.NO	USN	STUDENT NAME
1	1AH19EC001	AMITH DEEPAK PAWAR
2	1AH19EC003	CHANDAN G B
3	1AH19EC004	CHEETHANA M NIJAGULI
4	1AH19EC005	DEEPU Y
5	1AH19EC006	FAISAL AHMED
6	1AH19EC007	FARHAN MEHDI
7	1AH19EC008	PADMA REDDY G
8	1AH19EC009	JEEVITHA S
9	1AH19EC010	KAVYA M H
10	1AH19EC011	KESAR M R
11	1AH19EC012	LAKSHMI S
12	1AH19EC013	MANMOHAN SHARMA
13	1AH19EC014	MEGHANA N
14	1AH19EC015	NANDAN C L
15	1AH19EC016	NAVYA H B
16	1AH19EC017	NETHRAVATHI C
17	1AH19EC018	NIKHIL SWAMY B C
18	1AH19EC019	NIKITHA S
19	1AH19EC020	MADHUMITHA P
20	1AH19EC021	PRAJWAL M
21	1AH19EC022	PRASHANTH D
22	1AH19EC023	PRASHANTH HALAGERI C
23	1AH19EC024	PREETHI S
24	1AH19EC025	PAVAN RAJ S
25	1AH19EC026	SAJIN S
26	1AH19EC027	SANGANA BASAPPA
27	1AH19EC028	SANGEETHA M
28	1AH19EC029	SATISH H S
29	1AH19EC030	SONIYA J
30	1AH19EC031	SRI SAI KIRAN R
31	1AH19EC033	SYED WASEEM BOKHARI
32	1AH19EC034	TULASI K P
33	1AH19EC035	VIJAYALAKSHMI K
34	1AH19EC036	VISHAL B L
35	1AH19EC037	YASHMICA T M
36	1AH18EC002	ABHU SUFIYAN
37	1AH18EC017	MAHESH B G
38	1AH18EC031	SANJAY KUMAR B K
39	1AH18EC034	SUNIL KUMAR B K
40	1AH18EC044	RITVOSH GHOSH

HOD,ECE