



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi
Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 2.3.1



2.3.1. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning Experiences.

1. Lecture Method:

a. Lesson plan:



Rajarajeswari College of Engineering No.14, 2nd Floor,
Ramohalli Cross Kumbalgodu, Mysore Road
Bangalore-560074


Report Date : 21/09/2024 6:43 PM

Staff Name : DINESH KUMAR M
Subject Name : INTERNET OF THINGS
Semester :

Subject Code : 18CS81
Combine ID : 18CS81-45E-A
Section :

Sl.No	Date	Day	Period	Tag Id	Absents	Lesson Details
1	23/09/2023	Monday	2	2357	16	Discussed evolution of IoT
2	24/09/2023	Tuesday	1	2486	26	Discussed Enabling of IoT
3	24/09/2023	Tuesday	4	5100	14	Characteristics of IOT, Different enabled technology
4	26/09/2023	Thursday	2	2683	9	contd... Enabling IoT Technologies & Complex Interdependencies
5	26/09/2023	Thursday	3	2685	9	Discussed the IoT Networking components
6	27/09/2023	Friday	2	2775	30	Explained Addressing strategies in IoT
7	27/09/2023	Friday	1	3200	30	Introduction to Addressing Strategy in IOT
8	27/09/2023	Friday	3	3201	31	Contd... Addressing Strategy
9	01/10/2023	Tuesday	4	3290	11	Module 2 : Introduction Sensing
10	04/10/2023	Friday	1	3424	18	Module 2 : Introduction - Sensing

11	04/10/2023	Friday	3	3545	18	Explained various Sensors & its characteristics
12	08/10/2023	Tuesday	4	4027	11	Explained Sensorial Deviations, Sensing considerations
13	18/10/2023	Friday	1	4886	32	Actuators-Introduction
14	18/10/2023	Friday	3	4726	22	Contd... Actuators Intro
15	19/10/2023	Saturday	2	4910	51	Discussed actuator types & its characteristics
16	22/10/2023	Tuesday	4	5911	10	Problemsolving & Ideation session conducted by Dept. of ISE
17	24/10/2023	Thursday	2	6427	12	Module 3 : IoT Processing Topologies - Introduction
18	25/10/2023	Friday	1	6667	27	Discussed the importance of Processing in IoT
19	25/10/2024	Friday	3	6714	16	Explained IoT Topology and Design IoT
20	29/10/2023	Tuesday	4	7474	23	Talento -24 event conducted by Department
21	05/11/2023	Tuesday	4	8141	17	Processing Offloading
22	07/11/2023	Thursday	2	8554	13	contd... Processing offloading
23	08/11/2024	Friday	1	8747	20	Module 4: Introduction
24	08/11/2023	Friday	3	8813	16	Min. Char 10**Y
25	12/11/2023	Tuesday	4	9344	12	explained the format of IEEE 802.15.4, Zigbee
26	14/11/2023	Thursday	2	9747	25	Explained on Thread, ISA100.11A
27	15/11/2023	Friday	1	9640	21	explained the WirelessHART
28	15/11/2023	Friday	3	9653	21	continued WirelessHART


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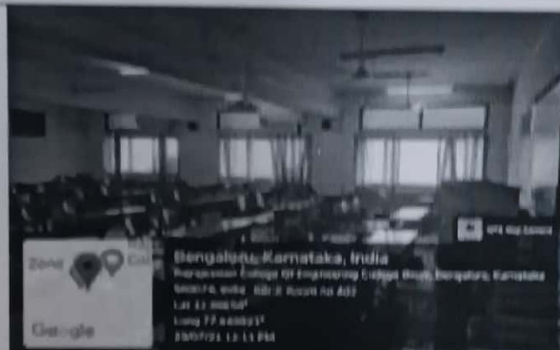

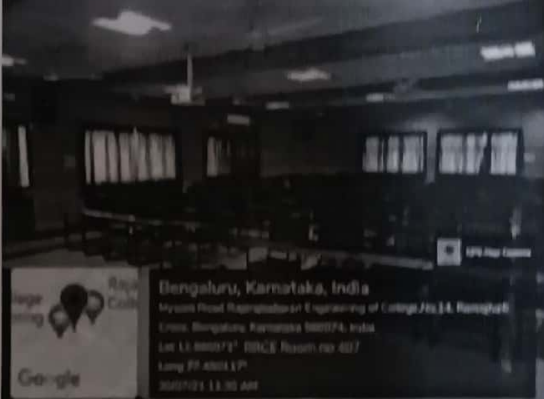

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2. Classroom with Blackboard and ICT Tools (LCD Screen, Projector, Audio System)

 <p>Bengaluru, Karnataka, India Rajarajeswari College of Engineering Mysore Road, Bengaluru, Karnataka 560074, India Lat 13.300372° Long 77.600931° 30/07/21 11:11 PM</p>	 <p>Rajarajeswari College of Engineering Mysore Road Bengaluru, India RICE Mysore Rd, 560074 Lat N 13° 30' 13.3224" Long E 77° 37' 0.5292" 08/08/21 01:56 PM</p> <p>26.2° W 40.0 µT</p>
<p>Class room with projector, wifi and LAN connection .</p>	<p>Air conditioned Class room with projector , wifi and LAN connection</p>
 <p>Bengaluru, Karnataka, India Mysore Road Rajarajeswari Engineering College, No.11, Bangalore Cross, Bengaluru, Karnataka 560074, India Lat 13.300372° RICE Mysore rd 560074 Long 77.600931° 30/07/21 11:30 AM</p>	 <p>Rajarajeswari College of Engineering Mysore Road Bengaluru, India RICE Mysore Rd, 560074 Lat N 13° 30' 13.3224" Long E 77° 37' 0.5292" 30/07/21 11:30 AM</p> <p>331° NW 29.0 µT</p>
<p>Individual Departments seminar Hall with Wifi and LAN connection</p>	<p>wifi facility and internet connection in individual classroom.</p>

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2. Interactive Method:

 <p>Bengaluru, Karnataka, India Rajarajeswari College Of Engineering Old large Block, Rajarajeswari College Of Engineering, Bengaluru, Karnataka 560074, India Lat 12.892045° Long 77.450649° 01/09/23 10:54 AM GMT +05:30</p>	
<p>Technical Seminar on Introduction to ML and case study with linear regression</p>	<p>Career Awareness Talk on "Preparing for placements and Higher Studies abroad"</p>
 <p>Bengaluru, Karnataka, India Computer Science and Design Rajarajeswari College of Engineering, Bengaluru, Karnataka 01/09/23 Lat 12.892045° Long 77.450649° 13/09/23 08:59 AM GMT +05:30</p>	
<p>Technical Talk on Data Science and machine learning</p>	<p>Career Guidance program on "Stepping inside into the IoT World."</p>
 <p>Bengaluru, Karnataka, India Rajarajeswari College of Engineering, SCE Dept/No 10, Kumbasanguda, Bengaluru, Karnataka 560074, India Lat 12.892045° Long 77.450649° 16/09/23 10:16 AM GMT +05:30</p>	 <p>Bengaluru, Karnataka, India Rajarajeswari College Of Engineering, Bengaluru, Karnataka 560074, India Lat 12.892045° Long 77.450649° 22/12/23 11:30 AM GMT +05:30</p>
<p>TECHNICAL TALK [Transistor Revolution and Cutting edge technology for future of semiconductor world]</p>	<p>A Talk on "Overview of VLSI"</p>

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3. Participitive Learning

 <p>Bengaluru, Karnataka, India 14, Ramohalli Cross, Kumbhanga, Rajarajeswari College Of Engineering & Tech, Rajarajeswari College Of Engineering, Mysuru Rd, Bengaluru, Karnataka 560074, India Lat 12.886639° Long 77.450233° 23/02/24 01:52 PM GMT +05:30</p>	
<p>SCR ACTIVITY OF PLANTATION</p>	<p>STUDENT SKILL ENHANCEMENT ACTIVITY BY STUDENTS OF ROBOTICS AND AUTOMATION ENGG</p>
 <p>Rajarajeswari College Of Engineering, Bengaluru, Karnataka 560074, India Lat 12.886639° Long 77.450233° 23/02/24 11:01 AM GMT +05:30</p>	
<p>Mini Project Expo Exhibition by Department of CSE</p>	<p>Technical club event "Max Out Motors" by ECE Department</p>

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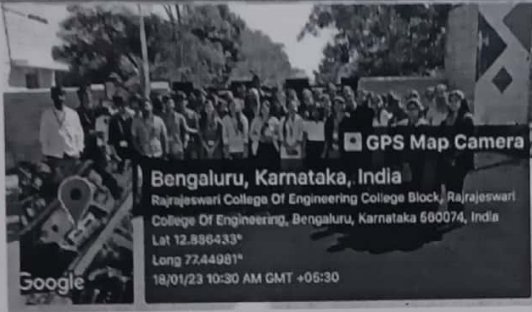





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4. Experimental Learning

a) Practical Skill through Industry linked Laboratories :

	
<p>M/s Bharath Arts and Crafts, Channapatna, Ramanagara (Dt) by Department of Ai& ML</p>	<p>Visit to Pi-Square Technologies, Bangalore by students of CSE Department</p>
	
<p>Visit to VIHAAN TECHNOLOGY by students of Department of ECE</p>	<p>visit to M/s Bharath Arts and Crafts, Channapatna, Ramnagara (Dt) by students of EEE Department</p>
	
<p>Industrial visit to ISRO Bangalore Campus by Department of MCA</p>	<p>Industrial Visit to BAMUL (nandini Dairy) by Department of MBA</p>

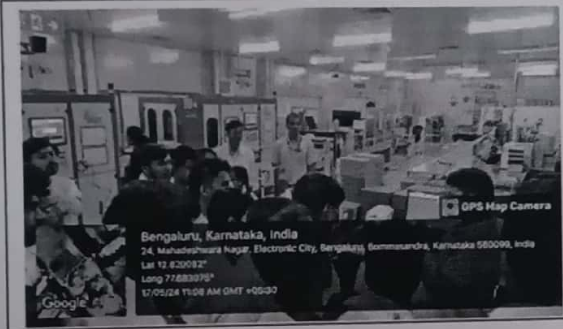
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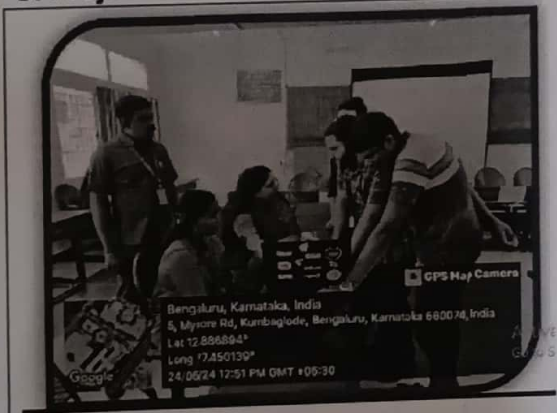


Criterion: 2.3.1



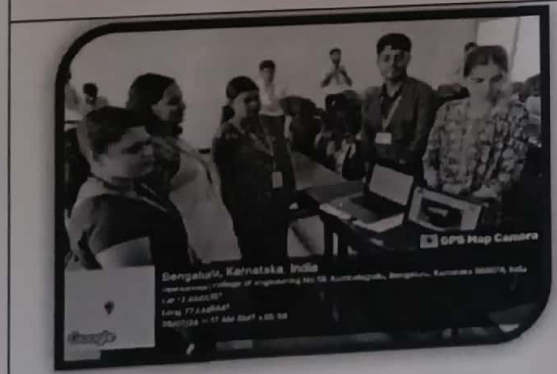
Industrial visit- Carl Zeiss plant in Bengaluru

5. Project based Learning



Innovate 2024- Prototype Project Exhibition by ISE

Mini Project Expo-24 by Department of CSE



Techno Project Expo 2K24 by Dept of EEE

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6. Problem Solving Methodology:

a. Tutorial Classes

	
Special Classes conducted for the subject Electromagnetics Waves	Special Classes conducted for the subject Data Structures

b. Guest Lecture by Industry experts on problem solving

 <p>Bengaluru, Karnataka, India DEPARTMENT OF R & A, SRIICE Lat 12.866263° Long 77.449773° 19/12/23 12:30 PM GMT +05:30</p>	 <p>Bengaluru, Karnataka, India Rajarajeswari college of engineering, Karnataka 560074, India Lat 12.866763° Long 77.45024° 27/09/23 10:59 AM GMT +05:30</p>
Career Guidance program on "Enhancement of Productivity Through Automation and Robotics" by Mr. Rajashekara H V Advisor and Head IMTMA Design Institute (BIEC) organized in Department of R & A	Career Pathway Discovery Program by Mrs. Vijayalakshmi Mentor at T.I.M.E Institute T.I.M.E. Pvt. Ltd. Bengaluru organized by Department of CSE




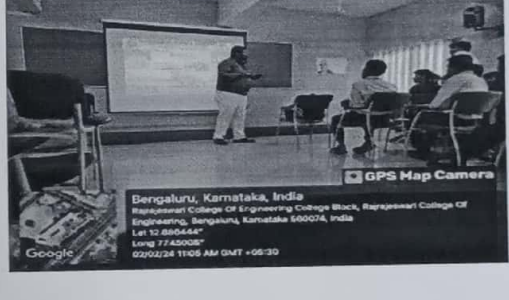
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 <p>GPS Map Camera Rajarajeswari college of engineering, Bangalore, Karnataka, India Department of Engineering ECE Dept. 18, Kumbalagodu, Bengaluru, Karnataka 560074, India Lat 12.886508° Long 77.449822° 08/02/24 10:15 AM GMT +05:30</p>	
<p>Logical Thinking and Problem Solving Dr.S R Subramanya, President and CEO, Exskillence, San Diego, USA organized in Department of ECE</p>	<p>Career Guidance Program On "Industrial Internships And Emerging Technologies by Mr.Shankarling Kalashetty Founder, Devminds,Bengaluru.</p>
 <p>GPS Map Camera Bengaluru, Karnataka, India No 18, Kumbalagodu, Bengaluru, Karnataka 560074, India Lat 12.886508° Long 77.449822° 08/02/24 11:34 AM GMT +05:30</p>	 <p>GPS Map Camera Bengaluru, Karnataka, India Rajarajeswari College Of Engineering College Block, Rajarajeswari College Of Engineering, Bengaluru, Karnataka 560074, India Lat 12.886508° Long 77.449822° 02/02/24 11:08 AM GMT +05:30</p>
<p>Expert Lecture on "Innovative Applications of Artificial Intelligence for Sentimental Analysis" – 2024 by Dr.Vegi Fernando A, M.E., Ph.D, Designation : Associate Professor, Dept. of CSE (AIML), Dayananda Sagar University, Bangalore</p>	<p>Funding opportunities for Startups Dr. G.Vinoth, M.S., Ph.D (USA) Chief Start up Venture Designer,Pongu Ventures Private Ltd, Chennai</p>

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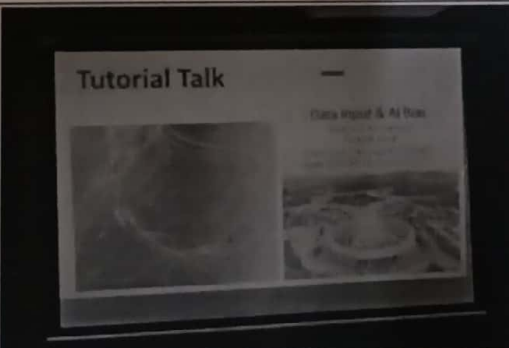



c. Hands on workshops, Conference, for augmenting learning skill:











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