7.2: Best Practices

7.2.1: Describe two best practices successfully implemented by the Institution

7.2.1: Best Practices-1

Title of the Practice: Student Centric Pedagogy with Teaching Learning Methods



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BEST PRACTICE-1

Title of the Practice: Student Centric Pedagogy with Teaching Learning Methods

KCIT is following Outcome-Based Education (OBE), a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve the stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels. Blended learning environment is created in the institute which promotes student-centered learning in an innovative and effective manner. In addition, by providing good control over their learning, blended learning also helps in improving critical thinking. It gives students more autonomy to choose their learning practices. Moreover, the student is made aware of their learning goals in each course and discipline. The student at KCIT finds supportive faculty where he/she can connect and feel at home and moulded into a global citizen.

The Krishna Chaitanya Institute of Technology and Sciences (KCIT) practices a teaching methodology which focuses on imparting education through a student centric approach.

Experiential learning is used to improve students entrepreneurial and employability skills. Periodic and timely industrial visits are planned. Every lab or workshop has the right layout design and is kept up to date in accordance with present technology and academic regulation

Participative learning is Use power point presentations, Seminars, workshops, technical Quiz and special lectures. Group discussions and role plays are held as a part of activity-based learning. The Wi-Fi facility in the campus ensure everyone has access to all of the expert lectures on the resources for online learning.

Problem Solving Methodologies are processes through which a situation or an issue may be analyzed, and suggestive solutions are implemented by the assignments and quiz, hands on training programs, project based learning. Institute conducts tutorial classes for subjects with numerical problems to improve their problem solving skills.



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Industrial visit-1:





Visited Hindustan Coca-Cola Beverages By Our Students



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Industrial visit-2:



Visited Transco Substation at Markapur



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Industrial visit-3:



Students Visited Srisailam HydroElectric Power station



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Industrial visit-4:

As A Part Of regular Industrial visit Our KITS College II-B.TECH Mechanical Engg. Students Visited APSRTC Depot.Markapur.

AN INDUSTRIAL VISIT GIVES THE STUDENT KNOWLEDGE & EXPOSURE NEEDED TO GRASP CERTAIN ENGG. TECHNIQUES & TERMINOLOGY FOR UNDERSTANDING.

Visit Details: 1.Workshop.2.Pneumatic Braking System.3.Engine Overhauling & Assembly Section.4.Fuel Injection System.etc. KITS ENGINEERING COLLEGE MARKAPUR





Students Visited APSRTC Depot, Markapur



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Industrial visit-5:





విద్యుత్ ఉపకేంద్రాన్ని సందర్శించిన కిట్స్ విద్యార్థులు



ట్రాన్ఫోసార్మర్లోని విభాగాలైన డ్రైమరీ, సెకందరీ ఇవి.రందన, అధ్యాపకేతర సిబ్బంది ఎసాయి రామ్, వైండింగ్, కంజర్వేటర్, కూలింగ్ మెథర్స్, బ్రీఫర్ గురించి అర్.వెంకటేష్ పాల్గొన్నారు.

విద్యార్థులు మార్చావురం నుండల సర్యూట్ బ్రేకర్స్ జసౌలేటర్స్ మొదలగు వాటి గురించి అవగాహన పెంచు కున్నారు. విద్యుత్ ఉప కేంద్రం ఎడిఇ సురేంద్రవాలు, ఎజ ఎం. రాఘవరెడ్డి, ఎఒ హార్షి స్థాయిలో విద్యాద్ధలకు అమాహన కర్మించారు. ఆవగాహన `పెంచుకున్నారు. ఉప వైవి.బలరామకృష్ణ కృత్యతలు తెలిపారు. ఈ సందర్భనలో కేండ్రాల్లోని వివిధ పరికరాలు, అధ్యాపకులు ఇవి. కోటేశ్వరరావు, వి.నకేండ్ర,

Students Visited AP Transco 220KV/132KV/33KV Power Substation, Darimadugu



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Industrial visit-6:



Students Visited at Srisailam dam



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Encourage students to take part in project expos, paper presentation and coding challenges etc.



On the occasion of ENGINEERS DAY Students participated in Project Expo



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On the occasion of ENGINEERS DAY Students participated in Project Expo



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On the occasion of ENGINEERS DAY Students participated in Project Expo



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Encourage students to take part in Innovative Projects:

Our KITS Engineering College Mechanical Department Innovative Projects.

- 1. BIO-GAS
- 2. Solar E BIKE
- 3. Aluminum Melting Furnace
- 4. Magnetic Engine
- 5. Black Smithy



Students participated in the Innovative Project



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Students participated in the Innovative Project



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Students participated in the Innovative Project



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Paper presentations and Coding challenges:



Students participated by the Power Point Presentations



Students participated by the Power Point Presentations



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Students Observed by Coding



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***** TECHNICAL QUIZ:



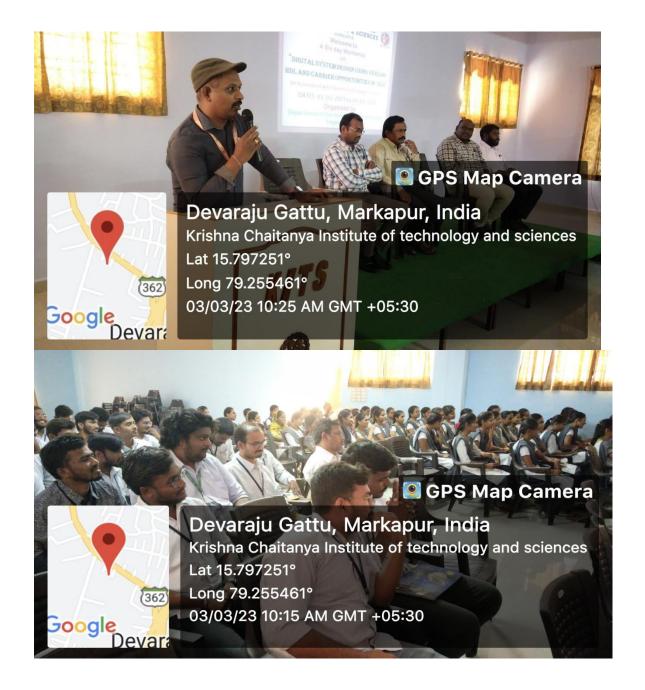
Students Participated Technical Quiz organized by KITS



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❖ Workshop-1: DIGITAL SYSTEM DESIGN USING VERILOG HDL AND CARRIER OPPORTUNITIES IN VLSI



Students Participated Workshop on DIGITAL SYSTEM DESIGN USING VERILOG HDL AND CARRIER OPPORTUNITIES IN VLSI organized by KITS

KITS

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***** Workshop-2: AWS CLOUD COMPUTING



Students Participated Workshop on AWS CLOUD COMPUTING organized by KITS



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* Workshop-3: EMPLOYBILITY SKILLS



Students Participated Workshop on EMPLOYBILITY SKILLS organized by KITS

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***** Workshop-4: AUTOCAD



Students Participated Workshop on AUTOCAD organized by KITS



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❖ Workshop-5: DESIGNING OF SOLAR ENERGY PV SYSTEM





Students Participated Workshop on DESIGNING OF SOLAR ENERGY PV SYSTEM organized by KITS

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❖ Workshop-6: CYBER SECURITY



Students Participated Workshop on CYBER SECURITY organized by KITS



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***** Workshop-7: AUTO CAD



Students Participated Workshop on AUTO CAD Organized by KITS



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Workshop-8: NON DESTRUCTIVE TESTING



Students Participated Workshop on NON DESTRUCTIVE TESTING organized by KITS

KITE

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❖ Workshop-9: VLSI DESIGN USING MENTOR TOOLS



Students Participated Workshop on VLSI DESIGN USING MENTOR TOOLS organized by KITS

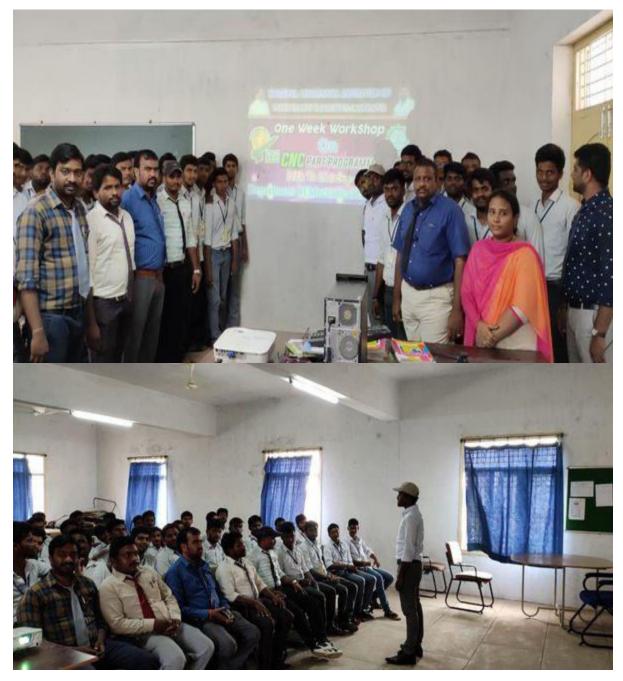


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Workshop-10: CNC - PART PROGRAMMING



Students Participated Workshop on CNC - PART PROGRAMMING organized by KITS



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Workshop-11: ADVANCED SURVEYING



Students Participated Workshop on ADVANCED SURVEYING organized by KITS



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❖ Workshop-12: MATLAB & SIMULINK



Students Participated Workshop on MATLAB & SIMULINK organized by KITS



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Workshop-13: ONLINE INVESTIGATION TOOLS



Students Participated Workshop on ONLINE INVESTIGATION TOOLS organized by KITS

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***** Workshop-14: SOLID EDGE



Students Participated Workshop on SOLID EDGE
Organized by KITS



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❖ Workshop-15: ENGLISH COMMUNICATION SKILLS



Students Participated Workshop on ENGLISH COMMUNICATION SKILLS organized by KITS



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❖ Workshop-16: INDUSTRIAL AUTOMATION WITH PLC





Students Participated Workshop on INDUSTRIAL AUTOMATION WITH PLC organized by KITS



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***** TRAINING PROGRAM:



Distributed Certificates on Training Program by the Students



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***** GROUP DISCUSSIONS:





Conducted Group Discussions by the Students



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Conducted Group Discussions by the Students

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SEMINARS:





Seminars Presented by the students



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Seminars Presented by the students

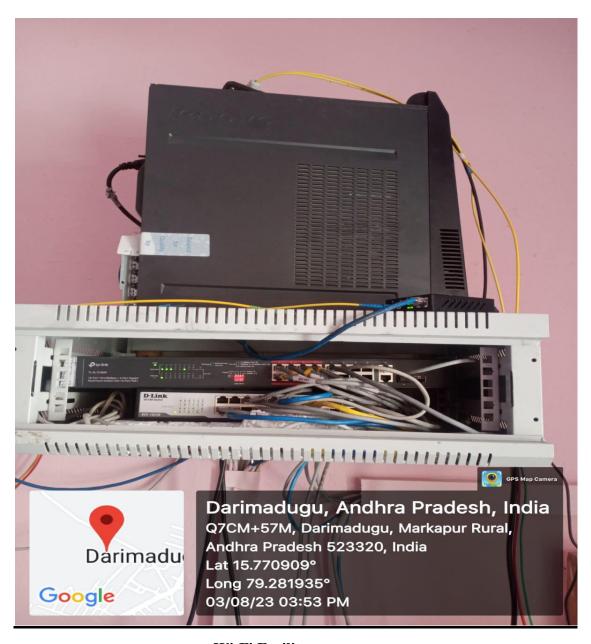


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❖ Wi-Fi FACILITY:



Wi-Fi Facility

7.2.1: Best Practices-2

Title of the Practice: Empower the rural youth through imparting training Programs.



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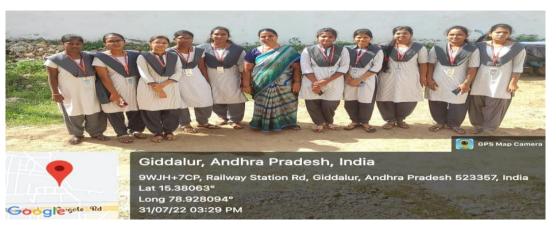
BEST PRACTICE-2

Title of the Practice: Empower the rural youth through imparting training Programs.

- Community Service Projects
- To focus on learning outcomes of students from rural background.
- To train as Graduates suitable to industry/entrepreneurship/research
- To ensure Continuous Quality Improvement, Identifying suitable students from these rural mandals.
- Training them on advanced courses like .Net, Java Script, Simulation, Ansys, MATLAB, GIS & CAD.
- Promote activities for all round development of students through the practice of Yoga.
- Conducting the educational camps and motivating the youth to pursue higher studies

***COMMUNITY SERVICE PROJECTS:**

Our college strongly believes in giving back to the community. To fulfill this commitment, various community service projects are undertaken throughout the year. These projects aim to address social issues, such as literacy, environmental awareness, healthcare, and rural development. By engaging students in these projects, our college instills a sense of empathy, social responsibility, and leadership skills in the next generation.





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Community Service Project done by the Students





Community Service Project done by the Students





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***CERTIFICATES:**





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Conducting the educational camps and motivating the youth to pursue higher studies_

Educational Visit-1:



Faculty conducting Educational Visit by the students



Students Visited One Day Educational Visit to Microwave Hub, Ongole



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Educational Visit-2:





Students Visited One Day Educational Visit to Microwave Hub, Ongole



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Awareness program on Higher Studies



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Awareness Progam on GATE & ESE in association with MADE EASY Academy- Hyderabad



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❖ Bridge the gap in academically weaker students and identification of suitable trainers, arranging the soft skills, Arithmetic, reasoning and Personality development training sessions in the first-year level itself and throughout the engineering course.



Awareness Program on Personality Development Program



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❖ Training Program on Life Skills, Soft Skills, Communication_Skills, Presentation_Skills & Employability_Skills for Women Community Offered by Naandi Foundation in Association With APSSDC. Distributed Certificates for Students.





Training Program on Life Skills, Soft Skills, Communication Skills, Presentation Skills & Employability Skills



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❖ INTERNSHIP TRAINING PROGRAM -1:

Training them on advanced courses like .Net, Java Script, Simulation, Ansys, MATLAB,GIS & CAD.



KITS – IV Mechanical Students Successfully Completed One Month Internship Training Program on #ANSYS & #HYPERMESH in association with Mayinkrish Ventures Pvt.Ltd, Hyderabad.



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❖ INTERNSHIP TRAINING PROGRAM -2:





Students Successfully Completed One Month Internship Training Program



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❖ INTERNSHIP TRAINING PROGRAM -3:



Students Successfully Completed One Month Internship Training Program



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❖ Promote activities for all round development of students through the practice of Yoga



Students through the practice of Yoga



Yoga participated Our Chaiman Anna. Rambabu garu along with Students



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Students participated in the placement cell training activities of the college:



Organized CRT Classes by Students Every Year



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Organized CRT Classes by Students Every Year



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Organized CRT Classes by Students Every Year