



CHRISTU JYOTHI INSTITUTE OF TECHNOLOGY & SCIENCE

A Catholic Christian Minority Institution

Colombonagar, Yeshwanthapur(PO), Jangaon Dist – 506 167 T.S

NBA Accredited Programme, Affiliated to AICTE & JNTU-Hyd

BEST PRACTICES

Academic Year: 2019-20

S.No.	Best Practices
1	An Integrated Advance Teaching and Learning
2	An Eco-Friendly Green Campus

PRINCIPAL

Principal

Christu Jyothi Institute of Technology & Science
Colombo Nagar, Yeshwanthapuram (Villi
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7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format .

Response:

Best Practice-I

Title of the Practice: An Integrated Advance Teaching and Learning

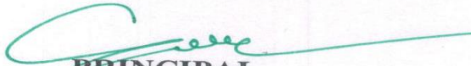
An integrated advance teaching and learning allows the student to explore, gather, process, refine and present information about topics they want to learn without the constraints imposed by traditional subject barriers.

Objectives of the Practice

1. An integrated approach in teaching allows students to engage in purposeful, relevant learning.
2. To see the inter connectedness and inter relationships between the curriculum areas rather than focusing on learning in isolated curriculum areas.
3. Helps students to explore multiple perspectives of concepts.
4. It helps to understand multi-disciplinary subjects and concepts.

The Context

Integrated teaching is an inquiry approach allows the students to construct meaning from prior knowledge on a Subject and new knowledge gained during the learning process. This strategy promotes meaningful, purposeful learning by focusing on interconnected subject areas, developing skills, projects and involving multidisciplinary concepts.


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The Practices

1. Add on Courses with Industry Experts
2. Interaction with Industry Experts
3. Innovative Project Implementation
4. ICT Enabled Teaching and Learning

Add on Courses with Industry Experts

- Learning an add-on course with an industry expert is a good way to get extra credits.
- In case an existing subject is not your forte then you can compensate for your grades by taking Up the add-on assignment.

Interaction with Industry Experts

- Students get to learn how professionals perform at work and they implement certain industry-specific concepts.
- Industrial visits are usually the first point of interaction between a student and a live Working industry.
- The students learn about the latest technology trend and make up their minds about their future job or area of interest.

Innovative Project Implementation

- Project work is to make sure that the learner does their own research and comes up with practical solutions to the concept they are trying to learn or the problem that they are trying to solve.
- Innovative Project work enhances and helps improve a person's cognitive abilities and making them sharper and more profound over time.



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ICT Enabled Teaching and Learning

- ICT helps pupils to develop new skills and become more creative.
- It is a valuable tool for producing work
- It improves pupils' academic performance

CJITS facilitates students learning and creativity by developing Centre of Excellence and digital-age learning experiences by creating smart classrooms, seminar halls, and audio-visual lecturing through virtual laboratories.

Evidence of Success

- Students stated that integrated advance teaching and learning prepared them to learn at ease and helped them to understand the subject.
- Number of the students responded well during their placement interviews to the questionnaires. Increase in knowledge of the student in the area of preference.

Problems Encountered and Resources Required

- Faculty compatibility was the challenge identified.
- Creating a system for sharing advanced teaching skills among other faculty.
- Scheduling classes in the room where the mode of teaching was supported.
- Teaching aids, software tools, audio, video systems are incorporated.

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Best Practice-II

Title of the Practice: An Eco-Friendly Green Campus

“Earth provides enough to satisfy every man’s need, but not every man’s greed” - **Mahatma Gandhi**

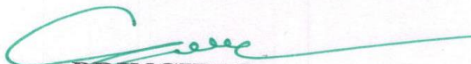
An Eco-Friendly Green Campus rehearses are essentially centered around creating maintainable locales,expanding water and energy effectiveness, diminishing waste and discharges, utilizing eco- accommodating structure materials, and further developing indoor natural quality more productively than regular plans.

Objectives of the practice

1. Defined construction methods relating to site conditions (No to cut a tree).
2. Water conservation, Minimum energy use, Recycling, Lush green trees and indoor environment,which promote the health and well-being of Students and Personnel.
3. To constantly improve our contribution to environment protection, climate change adaptation,and resource conservation within the campus.

The Context

Greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs, correct disposal handling, purchase of environment friendly supplies and effective recycling program. Institute has to work out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus.


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The Practice:

CJITS College uses solar energy and practices rain water harvesting. Recycling is another one of the most effective and sustainable practice to reduce waste and help the environment. Food compost is used in a local garden. Switch to LED bulbs that save more energy and last longer. CJITS practices an automatic on/off system (Infrared/Sensors) so the light is not used when there is no one around. Water harvesting is practiced for the reprocess. Another break through is sewage water recycling to the Garden. Campus is plastic free and recyclable bags are allowed. Waste water from Reverse Osmosis (RO) channelize to the washrooms and to the trees. CJITS boasts an ISO 14001-2015 certification for Environment protection and an ISO 50001-2018 certification for energy conservation. Campus observes restricted entry for the automobiles and upholds Pedestrian-Friendly pathways.

Evidence of success:

- CJITS initiated Sewage to convert into water.
- Solar water heaters produce 6000 Liter water per day which is utilized by the Hostellers. Solar energy generates 50KW of power to support the electricity needs.
- CJITS boasts an ISO 14001-2015 certification for Environment protection and an ISO 50001-2018 certification for energy conservation.
- Reverse Osmosis (RO) waste water properly used for trees, gardens & for washrooms.
- Water Harvesting bears direct collection of rainwater from the catchments to be stored for direct use or to be recharged into the groundwater.
- Restricted entry to the automobiles ensured pollution free campus.
- Sign-Boards and Roads are well maintained for the Pedestrian-Friendly pathways.



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Problems Encountered and Resources Required

- Insufficient solar power production, need more solar energy. Scarce supply of plastic alternatives.
- Man power lacked to up hold lush green campus particularly at the Pandemic time.
- Students and Staff need motivation to maintain the Eco-Friendly Campus.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

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