7.2.1-Best Practices

Best Practice-I: Efficient and Effective Transaction of Curriculum through the Integration of ICT

1. **Context:** The College of Education being the benchmark for delivery quality teacher education always envisage the inclusion and adoption of state of the art infrastructure. This ever readiness plays very crucial role in implementation of policies framed at the state and national level. Keeping pace with the ever changing education scenario, GCOE believes in delivery and demonstration of the curriculum content to the teacher trainees through the use of ICT tools, so that there is effectiveness and efficiency in the delivery of content to the end user.

2. **Objectives:**
    i. To have state-of-the-art infrastructure for ICT integration in curriculum transaction both for short-term and long term purposes.
    ii. To bring enhancement in the personal /professional practices of teachers through the use of ICT tools.
    iii. To create cognizance on the significance of ICT not only in education, but across the board.
    iv. To upgrade the classroom experience for delivery of content.
    v. To upgrade the knowledge versatility of the pupil teachers.

3. **About Practice:**
    The college administration leaves no stone unturned in order to bring new technological interventions for the faculty and students of the college. The college during its planning of activities for the financial and academic calendar proposes to the government through annual budget requirements. The availability of ICT tools in the form of Computers, Laptops, Smartboards, Audio Systems, Speakers, Printers, Projectors, Internet Connectivity, Digital Camera, Video Recorders, websites, Facebook account, emails, WhatsApp group etc. provides ample opportunities to the faculty of the college for effective and efficient delivery of content to the students. Moreover, the use of ICT for the administrative purposes have resulted into fast delivery of important information which further leads to fast disposal of assigned task.
    The faculty of the college is trained in basic ICT application and ensures that every gadget available is properly managed and used. The college relies on the highly qualified and professional faculty members for optimum utilisation of computing resources. Most of the college activities are recorded and transmitted using ICT tools.

4. **Evidence of Success**

    As far as evidence of success for integration of ICT with Education is concerned, it can assessed from the feedback of the students that there are sufficient ICT tools available in the institution and they have been used optimally for the effective and efficient delivery of content. The online evaluation of internal assessment is another attribute of teaching learning process that contributes towards the success of this practice. The transition from old practice to the new practice has yields results which are very useful for the students in particular and faculty in general.

5. Obstacle faced if any

    i.   Due to the volatile administrative and political scenarios of the state, the high speed internet connective is a concern. The mobile data services were not available for the masses from 05-08-2019 to 25-01-2021 and thereafter, only 2G Mobile services were restored.

    ii.   The advancement in the technologies always require skill upgradation of the faculty.

    iii. Proper upkeep and maintenance of the ICT infrastructure.

6. Resources Required:

    i.   A customised LMS as per the needs/requirements of the GCOE.

    ii.   A paid version of Google Classroom/Zoom Meetings/GoToWebinar, etc.

    iii. A paid version Anti-Virus.

    iv. A e-Content Development Studio.

    v.   A browsing centre for internet surfing.

1. Context:

Library is a growing organization. Every year new arrivals as well as books in demand are added to the existing collection to meet the need of its readers. With the influx of information resources, the traditional methods of library management and its inhouse services are becoming difficult to handle day by day. But with the advent of emerging technologies and changing dimensions of library services, the manual input is being minimized with more efficiency, accuracy and productivity, using machines. In large scale libraries, it's   very time consuming and easy to make mistakes to find books and perform other activities manually. In order to solve this problem technology has offered various library management systems using computer to perform the various activities of the library. In the emerging trend library automation can serve as a remedy to all the existing problems of libraries which has various operational modules such as cataloguing, circulation, WebOPAC etc. WebOPAC is an important interface that helps to spot any particular book at any given time in the library using several searchable options such as by Author, title, location, class number, keywords etc. Since the chances of accuracy of refined search with proper bibliographic details is possible and the search is much faster and easier, the College library has attempted to host WebOPAC on the college web site under college achievements section. Moreover, the annual report of library services is also being highlighted through it. Important links of other educational related web sites are also being mentioned in it.

2. Objectives:

1. To make the search of library resources faster and easier
2. To provide bibliographic data in machine-readable form using various search options.
3. To see the number of copies available in the library
4. To see the circulation status of library materials
5. To see the record of library holdings as well as report of user statistics.
6. To provide users their personal account status like books due, overdue and fines due etc.
7. To make detailed library section in college website to highlight facilities provided by the library with library achievements time to time.

3. About Practice:

Since library management system with OPAC service can accelerate efficiency, productivity and institutional growth this service can become the best practice of library automation system in the digital scenario. Using WebOPAC users can not only search materials available in library but also can see their account details like the books they have issued and returned in the past, the due status of the books they have taken, the fines dues on the overdue items. They can see and edit their details in the WebOPAC after logging into their account using user ID and password provided to them after their registration. Users even place a hold on available materials so that they only can issue the books when they reach library. Purchase suggestions can also be made by the library users using WebOPAC.

A messaging system is also available in the WebOPAC system so as to assist in communication between the library and its users.

4. Evidence of Success:

As a commitment to introduce best practices for the institutional growth the College library has hosted WebOPAC on college website full filling the set objectives.

5. Obstacles face, if any

The working of the college library depends on the BSNL broadband connection which offers 4Mbps max speed. Sometimes, this moderate internet speed acts as a roadblock or bottleneck in accessing online portals and WebOPAC.

6. Challenges/Requirement:

1. High Internet speed
2. Follow up for static IP.
3. A separate website for college library
4. Organization specific email id's