

Best Practice 1

Title: THE ADVANCEMENT OF GCOE JAMMU INTO A DIGITALLY EMPOWERED INSTITUTION.

Objectives of the Practice:

1. To increase the usage of ICT for Teaching Learning and other allied areas of the institution.
2. To modernise the various procedure for record keeping by keeping an eye on efficiency, reliability and accuracy.
3. To upgrade the ICT infrastructure to the level of state of the art infrastructure.
4. To connect different portions of the college through computer networking.
5. To reach a larger audience for training and other programmes offered by the College.
6. To acquire and introduce the latest technology and upgrade existing ICT infrastructure.
7. To provide resource sharing among member libraries by collecting, storing, disseminating information by offering networking services to users through DELNET.

The Context:

COVID-19 pandemic became one of the strong reasons for immediate shift toward the use of ICT based infrastructure in the educational institutions for delivery or transaction of course curriculum. Even though it became a major reason for immediate shifting to the online or digital education but there were plans before that to increase the ICT infrastructure in the institution keeping in view the Digital India Initiative. The process of digitising the traditional methods of teaching with the help of augmentation of ICT infrastructure paved a realistic way for modern education enabling efficiency, reliability, and accuracy. In addition to online teaching-learning, all administrative and accounting operations have been completely digitised in the context of Covid-19. As a result, the epidemic has contextualised and magnified the College's ongoing digital transformation.

In the last few years, there has been a consistent funding for augmentation of ICT infrastructure in the college campus. The college classrooms are now equipped with smart boards with UPS. There are few locations where smart boards with projectors are installed. The college has installed four interactive flat panels and two android based smart panels for efficient delivery of academic content. In addition to this the library of the college is automated through KOHA- an open source software. The library of the college is networked through college computer lab via a switch. In addition to this, the internet connectivity is provided through BSNL fibre with bandwidth speed ranging between 50 to 80 Mbps. Most of the computer are provided uninterrupted power backups through online UPS. The college has recently established a browsing centre with 10 All in One desktop computers, Online UPS, powerback up through generator set. The college is the process of establishing an e-Content Digital Studio for preparation of e-content. Campus-wide surveillance has been ensured through the installation and maintenance of CCTV cameras at all strategic locations. Furthermore, the augmentation of ICT infrastructure has resulted into establishment of research hub in the college and with the inclusion of SPSS 27.0 software for data analysis, the college has become one of the few institutions having full

access to the data analysis software. The college maintains the attendance of the employees through biometric machines with thumb impressions as identity verifier. The faculty members have been provided with desktop computers and laptops. All the administrative offices have been fully computerized and equipped with scanners, printers, internet facilities, and necessary software.

Government College of Education provides high speed internet facility to all the users through its Wi-Fi facility in the campus. The whole campus is networked with access points installed at different locations in the campus. It is a special type of wifi network facility in which the Jio Internet Services are augmented. The college offers two types of networks to its users i.e. JioPrivateNet and JioNet@GovtCollege. In the first type, existing JIO mobile data subscribers are connected to the college network and their mobile data signal strength is enhanced through this wireless connection whereas in the second type of network, any mobile service subscriber is allowed to connect to the network through a sign in option. The subscriber needs to sign in using his/her mobile number and through an OTP received on the registered mobile number. In the second type of network, the user gets 34MB of free data for internet surfing. The whole wifi facility is backed by uninterrupted power supply for smooth browsing experience. This Jio Campus network is another alternative to existing Wi-Fi facility in the campus.

Similarly in this digital era, the dimensions of library services are continuously changing. As there is enormous growth of information resources, application of ICT in libraries are becoming sophisticated. At the same time academic, technical and research libraries are needing best and selected content. DELNET under the leadership of Dr Sangeeta Koul, being the Director of the organization are providing networked facilities and virtual services effectively and efficiently to justify the changing trends in access to information. Hence such networked services are provided under a single umbrella of DELNET to collect, store and disseminate information cost effectively which is also need of the hour.

The Practice:

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It is very important to mention that the government college of education is the institution member of DELNET. The college has shared 8416 unique titles of library record for enhancing DELNET(Best Practices: data sharing and accessibility) in a phased.

Evidence of Success:

1. There is an increased use of ICT by the teachers in classroom teaching, evaluation, and assessments, use of audio-visual resources, applications to engage the students, recording/uploading lectures in various platforms, data analysis through software.
2. The library is automated with KOHA with different modules offering efficient services to the students as well as faculty members. Procurement, accession and issue/return of books from the Library has become easier and faster.
3. All the financial transactions are now done through GeM and authenticated through digital signatures.
4. The use of ICT supports prompt decision making and quick action.
5. The delivery of content by college faculty was done through Google Classroom, Zoom App, etc.
6. Having state of the art infrastructure in the college has resulted in changing the attitude of learners.
7. The online admissions and online examination results are now possible with the ICT infrastructure.
8. Certificate of appreciation by DELNET has been provided to the college and the library for being an active data contributor by sharing library records as well as evidence of correspondence with regard to arranging contents to the college faculty on demand is also available.

Problems Encountered and Resources Required:

1. The non-availability of dedicated/strong network connectivity (low bandwidth) from the service providers is a major handicap in the use of ICT facilities.
2. In the beginning, some non-teaching staff found the transition to ICT-based work, time consuming and difficult.
3. The online teaching-learning through ICT platforms cannot completely compensate for the face-to-face lively interactions.
4. The teachers are constantly endeavouring to find ways and means to fill the gap between the offline and online teaching-learning process.
5. The non-availability of technical staff for the proper maintenance and upkeep of ICT infrastructure. i.e Computer Assistant/ Network manager/Network Assistant/Network Administrator, etc.
6. Lack of professional staff in the library to maintain the library records to be shared with the DELNET in the required format well in time.
7. To overcome this problem the administration needs to be suggested to provide sufficient qualified staff so that any delay in data sharing can be avoided.

Best Practice II

TITLE: IMBIBING INDIAN KNOWLEDGE SYSTEM IN THE MODERN EDUCATION SYSTEM

1. Objectives:

- I. To fulfill the purpose of life i.e connect of mind, body and soul, for achieving super consciousness.
- II. To acquaint the stakeholders with our cultural heritage.
- III. To promote yoga for physical and mental wellbeing.
- IV. To promote awareness about Meditation and Happiness in the real sense.
- V. To cope with stress and depression.
- VI. To provide a platform to showcase the inner talents of the students, in areas like literature, fine arts, local cuisines.
- VII. To ensure the stakeholders to not only take pride in their culture but also strengthen it through presentation and sustainability.

2. **Context:** There is dire need to revive the fading ancient Indian Knowledge System which has fallen prey to modernization and rising social media influence is the real need of the hour. Moreover modern lifestyle, isolation, peer pressure, individualization and self centric approach have taken the center stage.

3. **The Practice:** Our College has taken pride in the Heritage Wall, painted in the vivid and vibrant colors by the talented students.

- i. The wall depicts the native Dogra Cultural Practices like family Bonding, Religious Practices like offering water to sun, worshipping Peepal tree and other healing emotions.
- ii. The wall is not only a center of attraction for the institute but also for the visitors as well.
- iii. Initiative like yog shivirs, collaboration with Directorate of **AYUSH** has given a spurt to this noble course. Students learnt about the art of living concept through Meditation, Yogasanas, Pranayam and importance of satvik food habits.

5. **Evidence of Success:** “Prakriti Parikshan” Programmes were also organized in which the “Prakriti” of the body can be known and subsequent deficiencies and diseases cured effectively. Programmes like “ Magic of Millets” organized which go in line with the honorable PM Mr. Modi’s initiative of “International year of millets”. It not only promotes the innumerable health benefits of Millets but can also boost Indian Economy, by providing Entrepreneurship. Practices which are in sync with nature like “ Rutt-Rhaday” which is basically a technique of seed testing through sprouting of seeds Collaboration with the Duggar Manch is also a feather in our cap. Annual Bhandara is held in the temple adjoining the college, moreover donations are given by the staff and the students. This showcases unconditional faith and connects to spirituality. Students also showcase immense talent through

painting of Basohli Art. These paintings give a subtle message of spiritual love and respect of the masculine and feminine energy of the universe Basohli painting was given GI Tag also. Programs on the concept of Swachhta are followed both in letter and spirit. Various programs are held not only in the campus but also in the practicing schools as well. Moreover students are also encouraged to participate in community drives focused on hygiene and cleanliness, thereby making a positive impact on the society.

Green initiatives are taken up by the college from time to time to imbibe values of oneness with the universe. Environmental sustainability and conservation is the topmost priority of the institute. Rain water harvesting, compost making harnessing solar power, planting trees, discouraging use of plastics are some of the measures taken in this regard. This not only increases the green cover of the campus but also instill these values in all the stakeholders as well.

6. Problems encountered and resources required:

Lack of expertise in making the traditional paintings with perfection and there is requirement of specialized training programmes in the field of culture preservation and heritage.