



Government College Theog

Best Practice: Embracing Digital Inclusion



1. Title of the Practice

Embracing Digital Inclusion

2. Objectives of the Practice

- To ensure **equitable access to digital resources** for all students, including those from rural, remote, and economically disadvantaged backgrounds.
- To integrate **ICT-enabled teaching-learning** to enhance academic quality and learning outcomes.
- To equip students with **digital skills, technological literacy, and online learning competencies** aligned with NEP-2020.
- To create a digitally supportive campus ecosystem through **e-governance, online services, and digital communication**.
- To reduce the digital divide by providing training, resources, and support for students and faculty.

3. The Context

The rapid digitalisation of education—accelerated by the COVID-19 pandemic—highlighted the disparities in access to technology. Many students from marginalized communities faced challenges in attending online classes, accessing digital content, and participating in ICT-based learning. To address this, the institution adopted the practice “Embracing Digital Inclusion” with the aim of building an **inclusive digital environment** that supports every learner.

The focus was on creating an infrastructure where **no student is left behind**, enhancing the digital capacity of the faculty, and promoting innovative teaching practices using modern tools.



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4. The Practice

- Strengthening ICT infrastructure through
 - Smart classrooms
 - Computer labs with internet access
 - High-speed campus Wi-Fi
 - Access to digital repositories, e-resources, e-books, and e-journals

- Implementing **ICT-enabled teaching** using:
 - PowerPoint presentations
 - Virtual simulations
 - Online learning platforms
 - Digital whiteboards
 - Google Classroom, LMS tools, MOOCs, SWAYAM, NPTEL

- Conducting **digital literacy workshops and training** for students and faculty on:
 - Basic digital skills
 - Online research and digital resources
 - Cybersecurity and responsible digital behaviour
 - Software tools such as Avogadro, data analysis, and academic software

- Promoting **paperless communication** through institutional website, email communication, WhatsApp groups, and Google forms.



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- Providing **special support to disadvantaged students**:
 - Allowing campus computer lab access beyond regular hours
 - Facilitating mobile data support (institutional or government schemes)
 - Distributing e-content through offline modes (pen drives, printed QR codes)
- Encouraging students to take online certificate courses such as NPTEL, SWAYAM, IIT Spoken Tutorials, and other digital learning modules.

5. Evidence of Success

- Increased student participation in **NPTEL, SWAYAM, and ICT-enabled workshops**, with many students receiving certifications.
- Successful completion of multiple digital skill programs, such as *Avogadro software training* in collaboration with IIT Bombay Spoken Tutorials.
- Significant improvement in **student academic performance and engagement** due to use of digital teaching tools.
- Enhanced **faculty digital competence**, resulting in more interactive and technology-integrated classes.
- Students from rural backgrounds reported improved access to academic materials and online resources.
- Greater efficiency in administrative processes through digital documentation, online registrations, and e-communication.
- The initiative contributed to institutional quality enhancement and was appreciated during internal assessments and external evaluations.



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6. Problems Encountered and Resources Required

Problems Encountered

- Limited number of devices for students from economically weaker sections.
- Internet connectivity issues in rural areas affecting online learning continuity.
- Need for regular training of faculty and students to keep pace with digital developments.
- High maintenance cost of ICT infrastructure.

Resources Required

- Additional computers, projectors, and smart classroom equipment.
- Funding support for network upgradation and maintenance.
- Training modules, expert sessions, and technical support staff.
- Subscription to digital learning platforms and online resources.

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