

# Best Practice 1

## Title of the Practice

### Collaboration with Outside world

## Objectives of the Practice

- Bridge the gap between industry and academia
- Exposure to corporate environment
- Exposure to real time projects
- To understand the need for research and innovation and entrepreneurship

## The Practice

- Samsung has setup Samsung Innovation Campus and offering courses like Artificial Intelligence, Computer Programming and IoT for 2nd and 3rd year BNMIT students. Students who have enrolled in these courses will have an opportunity to learn the latest developments in these domains and also execute real time projects under the guidance of Samsung experts. The students get exposure on latest technologies and projects of societal relevance and real-world challenges. Samsung Innovation Campus aims to empower interested students to make them problem-solvers by equipping them with future-proof skills and practical understanding of the technologies
- Collaboration with Rayvector on Augmented and Virtual reality  
Rayvector is providing hands-on experience to students and faculty on latest technological trend Augmented and Virtual reality through well established centre of excellence at BNMIT.
- Collaboration with Svyasa University, Renelex, IIHMR are beneficial for students and faculty to carry out research in the area of health care.

## Evidence of Success

- Samsung has donated computers and software and course materials worth Rs. 1Crore
- More than 100 students have been trained on various topics like Artificial Intelligence, Computer Programming and IoT.
- Many student batches have been given real time project work lets
- Rayvector has conducted FDP on Augmented and Virtual reality which has enabled faculty members to teach latest topics like gaming applications and virtual reality
- Collaboration with Svyasa has resulted in copyright grant and patent

## Problems Encountered and Resources Required

- Creation of infrastructure to support development of modern applications which demand high performance computing

## Notes (Optional)

# Best Practice 2

## Title of the Practice

### Paperless examination

## Objectives of the Practice

- To reduce usage of paper and hence carbon footprint
- To reduce the gap between examination and announcement of results
- To reduce human errors during examination and evaluation

## The Practice

- Digital examination software on tablets offers a comprehensive range of features and functionalities designed to enhance the assessment process and provide a seamless user experience for educators and students.

Paperless examination provides

- Secure Exam Environment
- Data Encryption and Storage
- Role-Based Access Control
- Data Privacy Compliance
- Data Access and Confidentiality
- Data Redundancy, Retention and Deletion

## Evidence of Success

- All the students of autonomous batches are writing examination using Tablets
- There is no need for printing the question paper and writing answer on paper
- Data gets automatically stored on to the server
- Evaluation happens digitally
- Results are announced in record time

## Problems Encountered and Resources Required

- Creation of infrastructure

## Notes (Optional)

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# ***B.N.M. Institute of Technology***

## **An Autonomous Institution under VTU**

### **Best Practice – 1**

### **Samsung Innovation Campus**

Samsung has setup Samsung Innovation Campus and offering courses like Artificial Intelligence, Computer Programming and IoT for 2<sup>nd</sup> and 3<sup>rd</sup> year BNMIT students.

Students who have enrolled in these courses will have an opportunity to learn the latest developments in these domains and also execute real time projects under the guidance of Samsung experts. The students get exposure on latest technologies and projects of societal relevance and real-world challenges.

Samsung Innovation Campus aims to empower interested students to make them problem-solvers by equipping them with future-proof skills and practical understanding of the technologies.





The First batch of training for the short listed students was started from April 2023.

## **Best Practice -2 - Digital Examination**

BNMIT has introduced the Paperless Examination and Digital Evaluation from 2020-21 for the autonomous batch to adopt new technology and save the environment. At the college, Specially Designed High-End Devices, with zero latency for a writing experience on par with paper are given to students. Ruled, unruled, graph, and semi-graph sheets are available to help students answer questions well. This system has a good response from the student community. Maintenance of examination data is much easier and more secure. Valuation and tabulation have also been made easier for faculty, as compared to the conventional methods.

### **Glimpses of Digital Exams**



