



**An Autonomous Institute
Affiliated to VTU, Belagavi
Approved by AICTE, New Delhi
Recognized by UGC under 2(f) & 12 (B)**

Best Practices of the Institution for the academic year 2022-23

1. Intra-Institutional Internship to all I year students through 11 verticals (Labs/Clubs)

Objectives:

The objective is to provide 4 week internship to all the students enabling them to experience hands-on session and implement their ideas as an internship project.

The Context

Multidisciplinary team is formed, and mentor has been allotted to guide them and provide technical support and necessary infrastructure has been allotted to them.

The Practice

Students can come up with their own idea or a mentor shall allocate a problem statement for the internship. Students are allotted laboratories/working space to work on their internship projects. Students were regularly mentored, and necessary technical assistance/supports has been provided to successfully complete the internship.

Evidence of Success

All the students could complete their internship within 4-week duration and all internship projects were evaluated successfully and credits were provided to students. The evidence of success is seen in the number of successful internship projects completed by students.

Problems Encountered and Resources Required

The Challenge is to provide the necessary infrastructure within 4 week duration and hence the laboratories are made available beyond working hours for the students. Students could get an experience of working in different domains irrespective of their parent department and gain a practical experience.

2. Implementation of Face recognition attendance system for students and staff:

Objectives of the Practice

To automate attendance tracking, ensuring accuracy and efficiency while minimizing manual errors and time consumption.

The Context

Managing student attendance manually was time-consuming and prone to errors, necessitating a more efficient and reliable system.

The Practice

The system uses facial recognition technology to record student attendance automatically. Unique to Indian higher education, it addresses large class sizes and diverse student demographics. Initial constraints included hardware costs and software integration issues.

Evidence of Success

The system has significantly reduced attendance recording time and improved accuracy. This efficiency has led to higher student satisfaction and better resource allocation.

Problems Encountered and Resources Required

Challenges included high initial setup costs, training staff, and ensuring data privacy. Resources required were high-efficient Biometric devices, dedicated servers, and specialized software.

For successful implementation, we ensure robust data security measures and provide thorough training for staff to manage and troubleshoot the system effectively.