



Guru Gobind Singh Foundation's

Guru Gobind Singh College of Engineering & Research Centre

Approved by AICTE, Govt. of Maharashtra & DTE Mumbai, Affiliated to Savitribai Phule Pune University (Formerly known as University of Pune)

NAAC Accreditation first cycle "B+" with CGPA 2.72 in April 2019, DNV – GL Certified for ISO 9001 : 2015 Standards



7.2 Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Practice – 1

Title – Digitization of academic processes with focus on implementation of OBE (outcome based education)

Objectives:

- Digitization of the academic process
- Ensuring the effective implementation OBE system
- Transparent academic processes
- Effective e-governance in the areas of academic, admissions, administration
- Environment friendly – Paperless

Context:

It was realized to implement all the applications to achieve OBE in academics through customized ERP platform for better monitoring and control. The purpose of the digitization of academic is to promote and recognize academic excellence in college at undergraduate program. Effective implementation of outcome based education through digitized platform, benefits institution, students, employers, and the society at large. Stakeholders also benefit from the process of continuous quality improvement that is encouraged by institute to promote excellence in technical education. Institute adopts practices like accreditation of the programs by NBA, NAAC, Conducting AAA audits, ISO 9001 certifications etc. This ensures quality practices and enhances stakeholder's satisfaction. The need for digitization of academic practices was recommended through IQAC to BOG (Board of Governance), which was accepted and customized ERP software was purchased to digitize the academic and administrative processes.

Practice:



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- Planning of the academics as per the OBE requirements by establishing the course outcome statements, program outcome statements, mapping with justifications
- Introducing the various teaching learning practices and maintaining the relevant records
- Introducing the LMS and remote availability of the same to all students
- Digitizing the records of each lecture
- Conducting the online examinations
- Setting up the various internal examinations and evaluation practices as per OBE
- Digitizing the records related to curricular, co-curricular and extracurricular activities
- Digitizing the process of stakeholders feedback
- Evaluation of CO-PO attainment
- Availability of all records through ERP system to ensure robustness and transparency in the evaluation
- Integration of the system with institute website for information on public domain
- Online admission process through ERP
- Effective implementation of teacher guardian scheme
- Availability of data for various audit purpose
- Digitizing the various administrative functions like faculty profiles, leave management, employee related records etc.
- Online grievance redressal mechanism

Evidence of success:

- OBE system as per the requirements of accreditation by NBA is now implemented successfully
- Mechanical engineering program is accredited by NBA that helps a lot to digitize the process for other programs



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- Students can have a remote access to teaching and learning materials through the LMS
- Unbiased feedback is now available. Stake holders can register their feedback through digitized process remotely
- Results of evaluation are now readily available to students and parents
- CO-PO attainments are now available on one click
- IQAC can now prepare their AQAR report with digitized system

Problems:

- Acquiring the skills to handle the ERP by all stakeholders

Resources required:

- Computers / Mobile
- Internet connection

Practice – 2

Title: Implementation of effective quality management system as per international standard ISO 9001:2015

Objective:

Develop and implement Quality Management System (QMS) and achieve the desired academic quality in academic processes

Context:

Immediately after the inception of the institute in 2013-14, various challenges such as absence of systems and processes in administration were observed by the institute, was the driving force for implementing the Quality Management System as per International Standard ISO 9001:2015 since 2016.

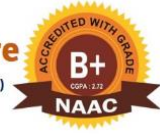


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Practice:

- Institute determines and documents the processes needed for effective operations and apply throughout the organization.
- Controlled documents (e-copy) are then available to all users through the LAN facility
- After every six month internal audit is conducted by the internal auditors who have gone through the ISO training
- Once in a year certifying agency conduct the periodic audit
- After every three years certifying agency conducts the recertification process

Evidence of Success: Certified in the year 2016 and certification is valid till Oct 2025.

Problems: Limited number of certified QMS internal auditors.

Resources:

- ISO 9001:2015 standard
- Procedural manuals