



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Muthapudupet, I.A.F Avadi, Chennai – 600 055

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai



BEST PRACTICES

Best Practices 1:

Digitalized Campus (Curriculum, Strategic plan)

Objectives:

A digitalized campus seeks to utilize technology and digital resources to improve the learning experience, simplify administrative procedures, and establish a more efficient and interconnected educational setting. Here are several typical goals for a digitalized campus: To Enhance Learning Experience of the student

- To access to Information and Resources (Google Class Room)
- To motivate student and faculty members to study blended Learning and Online Courses
- To enhance Campus Security
- To do strategic planning, investment in appropriate technology infrastructure

CONTEXT :

Within the framework of a digitized campus, "digitization" denotes the conversion of analog information, processes, and resources into digital formats, thereby enabling their accessibility and manipulation via computers and other digital devices. The incorporation of digital technologies and tools into the campus setting brings about transformative changes across multiple facets of education and campus activities. Here are several essential components and characteristics of a digitized AALIMEC campus:

Technology-Driven Learning: A digitalized campus utilizes technology to enrich the learning process, incorporating digital learning platforms, multimedia resources, interactive simulations, online evaluations, and virtual classrooms. This enables students to conveniently access educational materials from any location at any time, fostering personalized learning and flexibility in study routines..

Online Learning Management Systems (LMS): A key element of a digitalized campus involves implementing a streamlined and intuitive Learning Management System (LMS). This LMS serves as a virtual center for accessing course materials, assignments, grades, discussions, and facilitating communication between students and instructors.

Blended Learning: The digitized campus frequently integrates blended learning, merging conventional classroom teaching with online educational components. This blended approach offers a flexible and dynamic educational method, enabling students to derive advantages from both traditional face-to-face interactions and digital resources.

Smart Classrooms: Classrooms are furnished with technological tools like interactive whiteboards, audio-visual aids, and projectors to enhance teaching sessions, making them more interactive and engaging.

Campus Connectivity: The digital campus guarantees continuous internet connectivity throughout, enabling students, faculty, and staff to efficiently access online resources, collaborate, and communicate.



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Digital Libraries and Resources: Traditional libraries are enhanced by digital repositories, granting access to extensive collections of electronic books, journals, research papers, and other digital materials.

Campus Safety and Security: Campus safety and security are bolstered through the utilization of technology, which includes surveillance cameras, access control systems, emergency alert systems, and mobile safety applications.

Virtual Labs and Simulations: In certain fields, virtual laboratories and simulations are utilized to offer practical training and experiences, eliminating the necessity for physical equipment.

Sustainability Efforts: In digitalized campuses, efforts are made towards sustainability by minimizing paper consumption, optimizing energy usage, and encouraging eco-friendly behaviors through digital means.

Overall, a digitalized campus seeks to establish a vibrant, interconnected, and technologically sophisticated learning environment that promotes innovation, teamwork, and effectiveness across educational and campus activities. Nevertheless, it is crucial to maintain a harmony between technology and interpersonal engagement, ensuring that the digital shift enhances learning while preserving the significance of personal connections and conventional teaching approaches.

THE PRACTICE:

AALIMEC implemented **Technology-Driven Learning** by utilizing Google Classrooms to upload course content, ensuring easy accessibility for students.

AALIMEC promotes the use of **Online Learning Management Systems (LMS)**, which facilitate access to course materials, assignments, grades, discussions, and communication between students and instructors.

AALIMEC promotes **Blended Learning** among faculty and students through platforms such as NPTEL-SWAYAM, PALS, and ATAL FDPs. Additionally, students have access to **Smart Classrooms** equipped with whiteboards, audio-visual tools, and projectors.

At AALIMEC, the campus is equipped with uninterrupted **internet access** throughout, facilitating seamless connectivity for students, faculty, and staff to utilize online resources, collaborate, and communicate efficiently. Furthermore, the traditional libraries at AALIMEC are supplemented by **digital repositories**, offering a wide array of e-books, journals, research papers, and other digital materials.

To bolster safety and security on campus, AALIMEC has implemented surveillance cameras, access control systems, and emergency alert systems.

AALIMEC offers **Virtual Labs and Simulations** for specific fields, utilizing these tools to deliver practical training and experiences without requiring physical equipment.

AALIMEC is dedicated to **sustainability initiatives** in its transition to digitized campuses, aiming to minimize paper usage, optimize energy consumption, and promote eco-friendly practices through digital means.

EVIDENCE OF SUCCESS:

- Enhance Learning Experience of the student has been realized and students access to Information and Resources (Google Class Room) is also realized
- Students and faculty members enrolled blended Learning and Online Courses via SWAYAM-NPTEL and completed the course



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GAP IDENTIFICATION FOR CONTINUOUS IMPROVEMENT:

- New mobile app will be developed apart from google class room
- Motivating all the students (Including weak Learners) to enroll online courses



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Best Practices 2:

Innovation & Research with Continuous Improvement and Alumni Participation

Objectives:

- To motivate student and faculty members to do innovation and Research
- To initiate Sustainability and Green Initiatives
- To do Alumni Engagement and Networking
- To take Feedback from all stakeholders for Continuous Improvement

CONTEXT:

Innovation and Research: Encourage faculty and students to engage in research and innovation leveraging technology. This can include partnerships with tech companies, research initiatives on emerging technologies, and incorporating cutting-edge tools into academic projects. **Alumni Engagement and Networking:** Employ digital platforms to strengthen connections with alumni and create networking opportunities for current students and graduates. This can foster a sense of community and support for both current and former students. **Feedback and Continuous Improvement:** Encourage feedback from students, faculty, and staff on the effectiveness of digital initiatives and continuously strive for improvement based on their input and needs.

THE PRACTICE:

AALIMEC provides internal seed funding and promote **Innovation and Research** for students and faculty and it is also providing cash awards for the students and faculty on publication in SCIE/Scopus Journals. AALIMEC is committed to **Alumni engagement and networking** through social media, department alumni association programs. AALIMEC is receiving feedback from both internal and external stakeholders via various survey in digital format and find out gap for **continuous improvement**.

EVIDENCE OF SUCCESS:

- Students and faculty members have done innovation and Research through internal seed funding and publications
- Alumni Engagement and Networking is very active and received financial aides as scholarship for students
- Feedback from all stakeholders for Continuous Improvement has been taken via google forms

GAP IDENTIFICATION FOR CONTINUOUS IMPROVEMENT:

- The faculty are motivated to apply research for the major funding research agency and publish papers in high impact factor journals
- Alumni engagement needs to be enhanced by live interaction with the students



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- Number of external stakeholders (Employer, Parents, Alumni) feedback needs to fetch should be increased