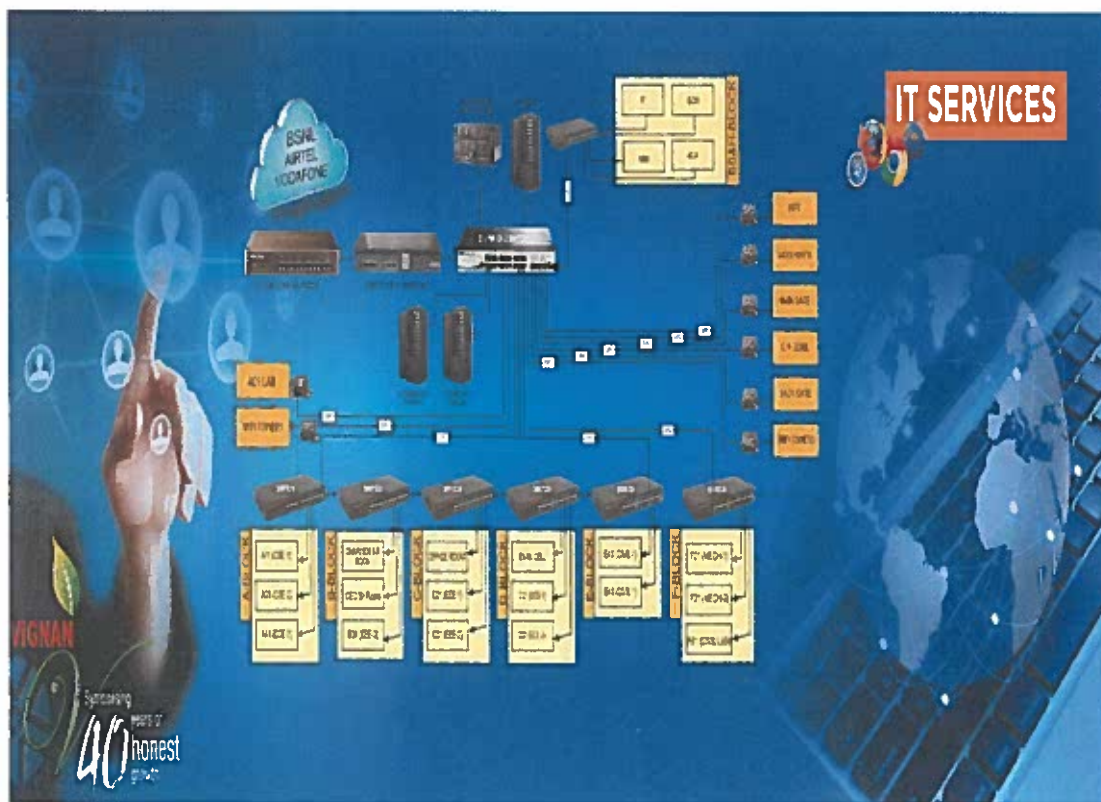## ENTERPRISE RESOURCE PLANNING

Enterprise Resource Planning (ERP) used by Colleges to manage their daily activities which include the management of Employees, Students, Parents details, Admission Process and Reports, Exams, Events, Attendance, Fees and Other Reports. It provides one-point access to manage these wide ranges of activities both effectively and efficiently.

E-Governance:

Governance helps in improving transparency, providing speedy information, dissemination, improving administrative efficiency and services in all the aspects of education system in VIIT. Marching towards its vision of being a center of excellence, VIIT is committed to implement e-governance in its administration to enable transparency, clarity indifferent functionalities by integrating the activities of the

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various sections such as teaching learning(Academics), Administration, Examinations, Finance and Accounting, Admissions and Student Services, which are currently having independent computerized databases and paper based documentation. Strategically implementing completely automated administrative work flow enhances productivity, effective data storage and faster retrieval of information at all levels as per hierarchical permissions. Comprehensive implementation of electronic mode of communication among all departments/sections of the institution viz., Academics, Administration, Finance & Accounts, Admissions, Examinations, Library, Support services etc., will strengthen the internal Quality Assurance Cell (lQAC) and create a centralized data management system to support the Accreditations like NAAC, NBA, AICTE etc.

Website is put into full operation as a vital information source to all the stakeholders and all important communications/circulars notices are made available in the website to ensure reaching of information to the needy any time anywhere. SMS feature has been put into maximum use to stay connected with parents, students and staff for the purpose of intimating absentees, academic performance, training programs, events schedules, examinations schedules, holidays information and other essential information. For convenience purposes, the policy is divided into various areas of operation. These areas of operation are illustrative and the institution reserves the right to implement e-governance even in the areas not enlisted herewith in this document.

As part of e-governance system of VIIT, the institute developed and administered different types of software's are administered in Vignan's Institute of Information Technology (VIIT) for smooth function of administration through digitalisation.

Central Information System (CIS):

What is CIS: A Central Information System (CIS) is VIGNAN'S tailor made system software for creating and managing institute databases. CIS is a computer software application that interacts with the user, other applications, and the database itself to capture and analyze data. CIS is perhaps most useful for providing a centralized view of data that can be accessed by multiple users, from multiple locations, in a controlled manner. The CIS provides various central services to all the stakeholders of the institute like, students, parents, staff, administrators, and management etc.

Objective of the CIS: An information system (IS) is an organized system for the

collection, organization, storage and communication of information. More specifically, the main aim of this system is to provide centralized data through complementary networks that people and organizations use to collect, filter, process, create and distribute data. CIS is comprises with a group of components that interact to produce information. CIS system aims to support operations, management and decision-making at various levels of institute operations. The following are the main objectives of CIS:

- ➢ To provide faster and accurate information to all stakeholders
- ➢ To organize the de-centralized data into centralized data
- ➢ To imparts transparent data to the users
- ➢ To connect all the stakeholders into one platform
- ➢ To provide centralized data through complementary networks

Key Features of CIS:

Quick View of Student Profile: CIS system provides the complete profile of a student which includes personal information, past and present academic track, attendance status and also supply the fee particulars.

Employee Portal Facility: In this employee portal, CIS creates one separate page to all staff of the institute. The portal safeguards the personal and professional information of an employee. This portal provides complete information of an employee like, personal data, research data, and achievements, financial. It is also provides professional information of an employee including his/her attendance, workload/ performance appraisal.

This portal also helps to administrators for quick decision making in various levels of process like, employee joining/relieving, leave status, research profile, and employee performance appraisal.

Exam Cell Portal: CIS bring a unique feature that provides quick results to the student along with deep analysis of it. It is also very much useful to all the stake holders to analyze the performance of a student as well as faculty.

Finance Portal: CIS is also serves students, parents and administrators by providing accurate fee/financial particulars. This is highly useful to administrations to know the financial status to know the liquidity status and it is also useful for preparation budget report.

Reports Corner: This is highly useful to administrators and management to analyze

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the student and staff performance. This portal provides a quick snap shot of summarized data of all the operations like, employee reports, employee profile data, students attendance reports, students performance report and many more financial reports etc.,

Placement Corner: this portal articulates the accurate student data base to analyze the student's performance and their details of academic credentials. It is also helpful management to analyze the class performance as well as department student performance.

Admin Corner: The administrative portal helps administrator to manage staff and holidays. This is also helpful to send daily/frequent communication to all students, parents and staff. This is very useful to the administrators to send/share regular communication through SMS/Mail.

Download corner: This portal provides full of transparent information to all the stakeholders by providing policies and procedures.

Feedback Portal on Teaching Learning Practices (TLP):

Student feedback has become a widely used method to evaluate and improve teaching effectiveness in VIIT. Students have a unique perspective of how their teachers educate. Obtaining student feedback allows the students to actively become more engaged and involved in the classroom. Student feedback can be collected cheaply and quickly, which gives teachers the opportunity to make any adjustments to their teaching as quickly as possible. Hence, VIIT practicing the process of feedback on TLP collected through separate software developed by the institute.

Feedback on TLP is separate software developed by the institute which is used to monitor regular quality of teaching and learning practices. This s very much useful This is highly useful to determine the quality standards of teaching by the student satisfaction levels in various aspects like clarity in presentation of topics in the class, courteous and impartial to students , coverage of the syllabus as per lecture plan, discipline maintenance in the class, doubt clearance, faculty comes to class on time, faculty writes and draw legibly, motivates the students to study, subject knowledge of the faculty , faculty speaks clearly and audibly in English etc.

Solar management software:

KACO is separate software that used to monitor day to day solar power production in VIIT. New energy is one of the largest manufactures of PV inverter. KACO installed 50 KW solar panels on roof top the Vignan building.V3.52 software helps to monitor the daily power generated and transmitted to the grid. Digitalization, decentralization and decarbonisation – as three key drivers for energy transition – allow the energy production, storage and consumption to be more sustainable, efficient and beneficial for our society and the environment. Find out more about how solutions at the grid edge help to optimize the energy efficiency of solar energy in an intelligent and sustainable manner.

Learning Management System:

The learning management system (LMS) is an online platform that stores large quantities of teaching materials in a digitized format in VIIT. Vignan's LMS equipped with large quantum of e content produced by Faculty of VIIT. With a user-friendly interface, professors can easily manage content, automate tasks, and streamline their curriculum from any remote location. During the pandemic time, our institute uses LMS to conduct online classes in a convenient online platform.

Library software (EZLIB):

Vignan's EZLIB helps library to keep track of their documents inventory and loans, and member subscriptions and profiles, sometimes for multiple physical locations. Students use library management systems to find, reserve, and loan documents while library staffs employ it to manage the acquisition, cataloguing, and inventory of documents.

Examination Management System (EMS)

Vignan's EMS is separte software that used in Examination cell to overseeing the examination operations. EMS provides to make examination works easier which is highly beneficial to educational institutions. Examination Management System (EMS) is a windows application tool and its dealwith all examination activities. Key Features are EMS offline suite is server based Examination Management Software provides module wise accessibility for support multi user with different privilege to ensure high level of security. It is multi user and completely user friendly, generates different types

of reports, developed using optimized designing and coding to maintain proper speed, proper and systematic training to end user and ultimately maintains efficient & secure data management.

Accounting & Finance:

Finance Portal: Finance Portal is one of the features in Vignan CIS which serves students, parents and administrators by providing accurate fee/financial particulars. This is highly useful to administrations to know the financial status to know the liquidity status and it is also useful for preparation budget report. All the day to day financial operations regularly recorded in CIS-Finance portal and extracted the day-to-day financial reports like, Day scrolls, Day-wise collection reports, and day-wise payment reports etc. It is also helpful in reporting of financial information to all the administrators at various levels for their decision making.

State Bank- Collect (Online-Fee payment):

VIIT obtained unique services from the leading corporate bank 'State Bank Collect' which facilitates our students/Parents to pay fee through online and also helps institute to receive online fee payments. Payer of the institute has to just click on 'State Bank Collect' and choose the institute for which payment has to be made, fill up particulars of goods/services towards which payment has to be made and make the payment through one of the several options displayed to him on a Multiple Option Payment System (MOPS) page.

An illustrative List of online services (purposes) for availing the facility is given here under:

- ➢ Collection for goods and services supplied by Institutions.
- ➢ Fee collection by Educational Institutions.
- ➢ Collection of dues by Government/Quasi Government Bodies.
- ➢ Local taxes like water tax, house tax, electricity bill etc. by Semi Govt. bodies.
- ➢ Collection of Recruitment fee.
- ➢ Donations to Charitable Institutions/Religious Institutions.

Samhita Software Design (Accounting)

Samhita Software Design is an accounting software deleped by Institute and implemented for preparation financial reports. It helps to record the flow of vochure record and ledger preparation and also helpful in preparation of financial records.

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Samhita Software Design record day to day transactions, generate reports, manage customer and vendor contacts, create purchase orders, track stock levels, bill customers, and monitor account balances. It also helps manage clients, reconcile bank accounts, and generate insightful financial reports that help your business grow smoothly and continuously.