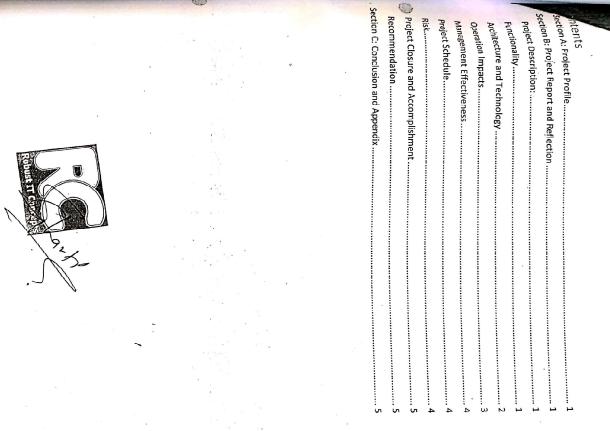
Education Management Information System (EMIS) School of Business, Pokhara University Project completion Report Date: 2076/3/11 Robust IT Concepts Pvt Ltd Submitted To: Submitted By:



A: Project Profile

Name : Development and Implementation of EMIS (Education Management Information

iect URL: emis.pusob.edu.np

poject Time Period: 6 Weeks

pate Submitted: 2076/2/20

section B. Project Report and Pottaction

project Description: system) for the digitization of the educational operation of School of Business. Major $_{
m o}$ bjective of the project is to record all the education related information in digital format that help in quick retrieval and summary. The project was to develop and implement the EMIS (Education Management Information

conducted with close interaction with members of SOB. Agile methodology was adapted in philosophy and operation of SOB. Development and Implementation of the software was The EMIS Software was designed and developed from scratch to suit the academic the development of the system where multiple interaction was made to design and develop that system for best outcome.

unctionality

ឆ Student Admission.

current operation in handling storage, management and creating student id card is capable of handling admission process. This function of EMIS will upgrade the EMIS has a function for managing new admission for all the programs under SoB. It

Student History

EMIS has enabled the ability to keep history of student regarding their academic and student within a single click. discipline details through there period in SoB. SoB is able to get information of any

Faculty Management

EMIS has enabled in digital recording of faculty information.

d. Session Management

enrollment, subject, faculty and many more related with session. This function of the system will keep track of all the session, along with student

e. Internal Evaluation Management

import process academic evaluation. This module help faculty to keep track of the Keeping track of the inter evaluation of student during the session is a critical and internal marks of the students in easy way.

Retake Exam Management

the retake exam tracking of any student management of academic process of student. This module in EMIS will help manage Retake exam scheduling and management is the major operation in the

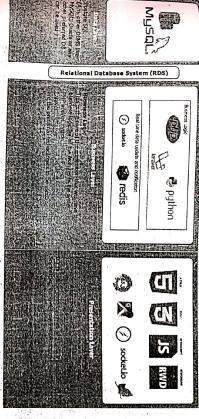
- Exam Form Management
- This module enables the management of the exam form filling process in SoB it will ensure that the students submit the exam form and the forms are submitted to the university quick and easy.
- GRP Management

 $\ensuremath{\mathsf{GRP}}$ management modules help to keep track of the research process of the graduate students.

Architecture and Technology

The system is built in 3 tier architecture using open source web technologies like PHP, Laravel, HTML, CSS and more. This ensure the quality and upgradability of the system will little or minimal cost.

System Architecture and Technology (3 Tier)



System Architecture and Technology Design - 3 Tier

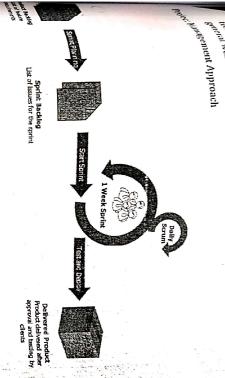
- a. Data Layer
- Data Layer refers to the layer where the data of the system is stored Mysql has been used for the storage of data. It is open source platform for data storage. The EMIS system can have any database system is specifically required by School of Business
- Business Layer

b.

Business layer is the core for the application that will have all the processing of data and logic for all the features in the system. Laravel framework build with PHP programming language.

Presentation Layer

رمانان^{دو} surfing user do in day to day basic. الأواتاط الله web surfing user do in day to day basic. post build using generic web technology like HTML, CSS and other ship logics. This ensures that the user interaction lavor for the ship logics. From Pes. This ensures that the user interaction layer of the system is similar to the layer do in day to day basic. presentation layer is the der that is used to interact with the user. This layer for the



ned maragement approach

of project management has been adapted during the development and ntation of the software.

veration of the SOB. plementation of the EMIS system requires some adaptation and changes in the current

Admission Process - Implementation of EMIS will result in some adaptation and entered into the system during the admission process of the student, changes in the admission process of the student to SoB. Student information shall be

Exam form Submission - EMIS will upgrade the process of collecting exam form for submission of the forms. the preparation of board exam. The process requires to use the EMIS for the

Course Plan submission- EMIS required faculty members to submit course plan for the assigned subject to be submitted through online process.

laternal Marks Submission - Internal marks calculation and submission is the most add marks directly to the EMIS system. Soon as the marks are assigned to the students. This process will require faculties to each subject assigned and the marks obtained by the students to be uploaded as EMIS system. Faculties are required to plan and record the evaluation criteria for affected operation of all that will be impacted along with the implementation of the

we Software itself has been added to have its' data backed up periodically. The user and staneingines of the logon password with other. Retain of Web Based EMIS system results in some level of risk and consideration. the user and stakeholder of the EMIS requires to manage general ar Development Schedule inaking - Implementation of EMIS System in SoB help tracking the error as all the be almost none.

""" ack record of academic and disciplinary event will minimize confidence – Moreover the implementation of EMIS system will increase the management. In This system will reduce the error that has been seen and occurred in manual sugisfor Examination Module Management - This system will improve the latency experience currently in the echt Effective polonentation of EMIS system will bring multiple level of effectiveness and efficiency in ment Effectiveness ر القلمانية والمحتولة المحتولة المحتول e Nathagerian in the marks, Grades, Triplicate, Registration list, and many intron Development ation Application Development ndDesigning Framework Setup pocument preparation – Creation and submission of documents like Triplicate, and submission of documents like Triplicate, 2Days 10 Days 12 Days 12 Days Duration 7 Days 2 Days 3 Days Week 1 Week 2 Week 3 Week 4 Week 5 Week 6

dosure and Accomplishment piliculty/***
pullementation of EMIS requires some changes in the operation of the organization.
In the increase work load among the user of the system. Difficulty to use this may replay and increase work load may lead to rejection of the system. Difficulties the leading of the system in the system of the adaptation. officulty/Rejection to adaptation

 $d^{\text{cov}(e)}$ has been adapted to insure the quality Design, Development, Implementation the LMIS. mer pletion of the EMIS.

Appointment of the Point of contact to ensure the sharing of information.

ream of administrative staff and Faculty has been assigned to ensure the system Training and Feedback session conducted before the implementation of the system. best fits to the operation and philosophy of the SoB.

Team of specialist from the SoB has checked and assured the quality before providing the closure and accomplishment of the project.

Future upgrade

petailed implementation of Course plan - Week by Week

Student Portal for Assignment Submission, Course material Download and many

Live attendance System

Mobile App

Entrance Module

mc: Conclusion and Appendix

reject for designing, Development and Implementation of the Education Management aftix the requirement of SoB and adaptation in digitization process of SoB. The EMIS system has been built from scratch using latest open source web based technologies with close ation System has a major objective to digitize the academic management process in SoB. The ment of administrative and academic staffs of SoB. This helped in development of system urease the efficiency and effectiveness in processing the data and academic operations that ntually benefit SoB, Faculty, Student, Staff, and University.

gdays that will incorporate the student, staff, and Faculties into the system. th some difficulties and risk for the adaptation, development of the system will continue in with admin access. property of the software.

Industry or add as per SoB's request property and administration documents should be handed to School of Business property, admin access. resulter the contractor and contractor shall modify or add as per SoB's request suppose of the software. of piloting services shall be offered by the consultant of piloting services shall be offered by the consultant shall not bear the financial liability for fixing the problems arise during these six and realization for modification. study of the government organizations working procedures before contract consultants are encouraged to come up with their suggestion as well in the workshop. The software within 6 weeks of the contract. The contract of the software within 2 weeks after completion of development stage.