

A PROJECT REPORT ON

INSTITUTE(JIST) MANAGEMENT SYSTEM



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ACKNOWLEDGEMENT

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BSc-IT(4th Semester)

CERTIFICATE

This is to certify that the project entitled INSTITUTE MANAGEMENT SYSTEM of JIST submitted to Jorha Institute of Science And Technology, Assam is partial fulfillment of the requirement for the completion of the minor project of B.SC in Information Technology Degree. It is an original work carried out by Bijoy Dutta and Rajkumar Rocktim Narayan Singha, B.SC IT 4th Semester, under the guidance of Mr. Rajiv Kalita of Bsc.IT Department JIST.

The matter embodied in this project is a genuine work done by the students. They have also submitted the project with the report. I have been supervising them throughout the activity and they completed the work to my ultimate satisfaction. This work reported herein has not been presented for other academic purpose elsewhere. This as per requirement for a live project under some organization and it would probably meet the entire essential requisite according to the user needs.

Their effort is being appreciated by me and I wish them a bright future.

Date:

Signature Of Internal/Guide

CS & IT Department
JIST, Jorhat, Assam

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INTRODUCTION

The main objective of Institute Management System is to automate all functionalities of a college, university or an institute. Using this system, we can manage all Institute management work like admission, fees submission, student information and staff details, exam details, etc. Using this institute management system, we can view or update data and information about students and staff easily. This system helps in managing the activity like student admission, student registration, fees submission. Admin can also retrieve information of employee, student.

The Institute Management System can be used to store student information like attendance, fees, and student result etc. admin can create report regarding any student any time using this system. Using this system, we can register new student and their course details. We can submit student's fees and can check fees details anytime. We can create exam result and submit in this system. We can also add new employee in the system and can check details of the employee easily.

Using this system, we can manage all information of all aspects of a college, its students, faculties, Departments, marks and other curricular activities. Institute management system provides the easiest way to manage all functionalities of a college. This system facilitates colleges to maintain the functionality related to college employees and their students.

Institute Management System can store and manage all data of the various departments of a college like Administration, Attendance, Staff details etc. using this system user can retrieve any information related to student, teacher and fees. Using this system teacher can check student attendance anytime. This system also help teacher to announce the result. College administration can also manage college work easily. Admin can check leave, salary and other details of teacher any time.

Admin can also generate following reports from this system like :-

Student Report

Employee Report

Course Detail Report

Fee Detail Report

Marks Detail Report

Objective

The primary objective of our Institute(JIST) Management System is to make it easy for the college management(admin) to retrieve and store all information related to student and employee, which is to reduce the consumption of time during maintaining the records of Institute management. Separate divisions are provide to maintain the records of staff, student, subjects and fees details etc.

In other words, our JISTMS has, following objectives :

- Simple database is maintained.
- Easy operations for the operator of the system.
- User interfaces are user friendly and attractive, it takes very less time for the operator to get use-to with the system.

SYSTEM ANALYSIS

- **EXISTING SYSTEM**

The existing Institute management system of Jorhat Institute of Science and Technology is done manually. All the records of the students, staffs, course, exam, result etc. are maintained manually in books which is an overhead for the management staff. It is very time consuming so the existing system is not so efficient for searching, updating and maintaining books.

- **PROPOSED SYSTEM**

In our proposed system we have the provision for adding the details of the students, teacher etc. Another advantage of the system is that it is very easy to edit the details of the student, teacher and delete a student when needed.

With the system, we can attain the following facilities:

- Easy to handle and feasible.
- Easy to operate.
- Cost reduction.
- Fast and convenient.

- **SCOPE OF THE SYSTEM**

In the proposed system , we handled two main entities as Student and Staff. Separate GUIs are provided to add ,update and search for their relevant information. This system provides the detail structure of the students and staff and its departments. JISTMS synchronizes the working of all the departments. It looks on all aspects of a college, its students, faculties, Departments, marks and other co curricular activities. JISTMS is the easiest way to manage all functionalities of a college, which facilitates colleges to maintain the functionality related to college employees and their students.

Our system also includes:

- Staff Salary.
- New Admission for both students and staff.
- Student Results.
- Information Printing.

- **ADVANTAGES OF PROPOSED SYSTEM:**

- It provides user friendly GUI for maintaining information about student and staff.
- It provides instant report of any relevant information involving the students or the staff.
- It provides strong security for admin with the help of username and password.
- It provides very efficient and easy way for searching information.
- It provides unlimited data storage capacity at backend and easy data backup and restore facility

FEASIBILITY STUDY

The feasibility of the system can be examine under heads viz. technical feasibility, economic al feasibility and operational feasibility.

• TECHNICAL FEASIBILITY

Technical feasibility plays an important role in feasibility study.This study reveals all the technical aspect and its corresponding results.

After overview in organization,we make sure that technical equipment,system software and hardware in the organization need to be technically feasibile for fulfilling market requirem ents.So we have to develop our system equipment according to the technical feasibility.

- It has user friendly GUI.
- It provides strong security.
- It has optimized coding.
- It provides fast access of data.
-

• ECONOMICAL FEASIBILITY

During economical feasibility study , the actual cost of implementation is calculated. Based on these information the acceptance of the system depends.

Economical feasibility is one of the most important aspects to be considered.This study reveals all the benefits and drawbacks in the implementation of the system.The total cost incurred for the development and implementation will be minimum.

So the system JISTMS is economically feasible.

- **OPERATIONAL FEASIBILITY**

Operational feasibility is the important part of the feasibility study. Here, we consider the capabilities of end user that how he can easily handle the computer. In our project, the technology used is .Net which is GUI, due to which user can easily handle it.

The system is user friendly and easy to use. Only little interaction may be required for user so that he can easily operate the system. Operational feasibility is necessary because user of system should properly understand system where there is no need of extra skills.

Therefore, after consideration of all aspects of feasibility study, it was decided that system will be computerized.

HARWARE AND SOFTWARE REQUIREMENTS

- **SOFTWARE REQUIREMENTS**

- Backend: Oracle.
- Frontend: C#.net

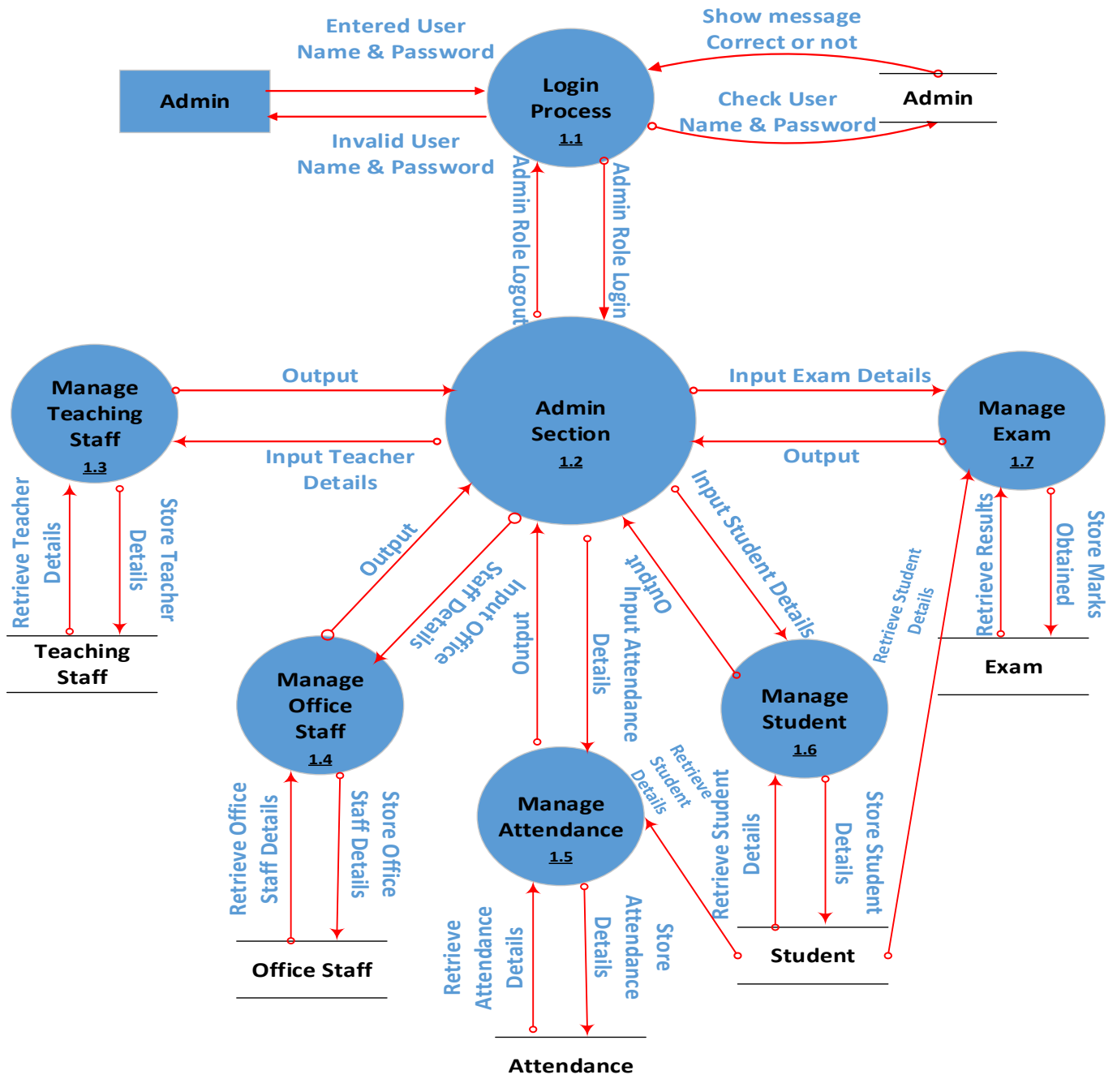
- **HAEWARE REQUIREMENTS**

- Processor: Compatible with .Net Framework
- Memory: Minimum 100MB
- WINDOWS 7 or higher Operating System

DFD

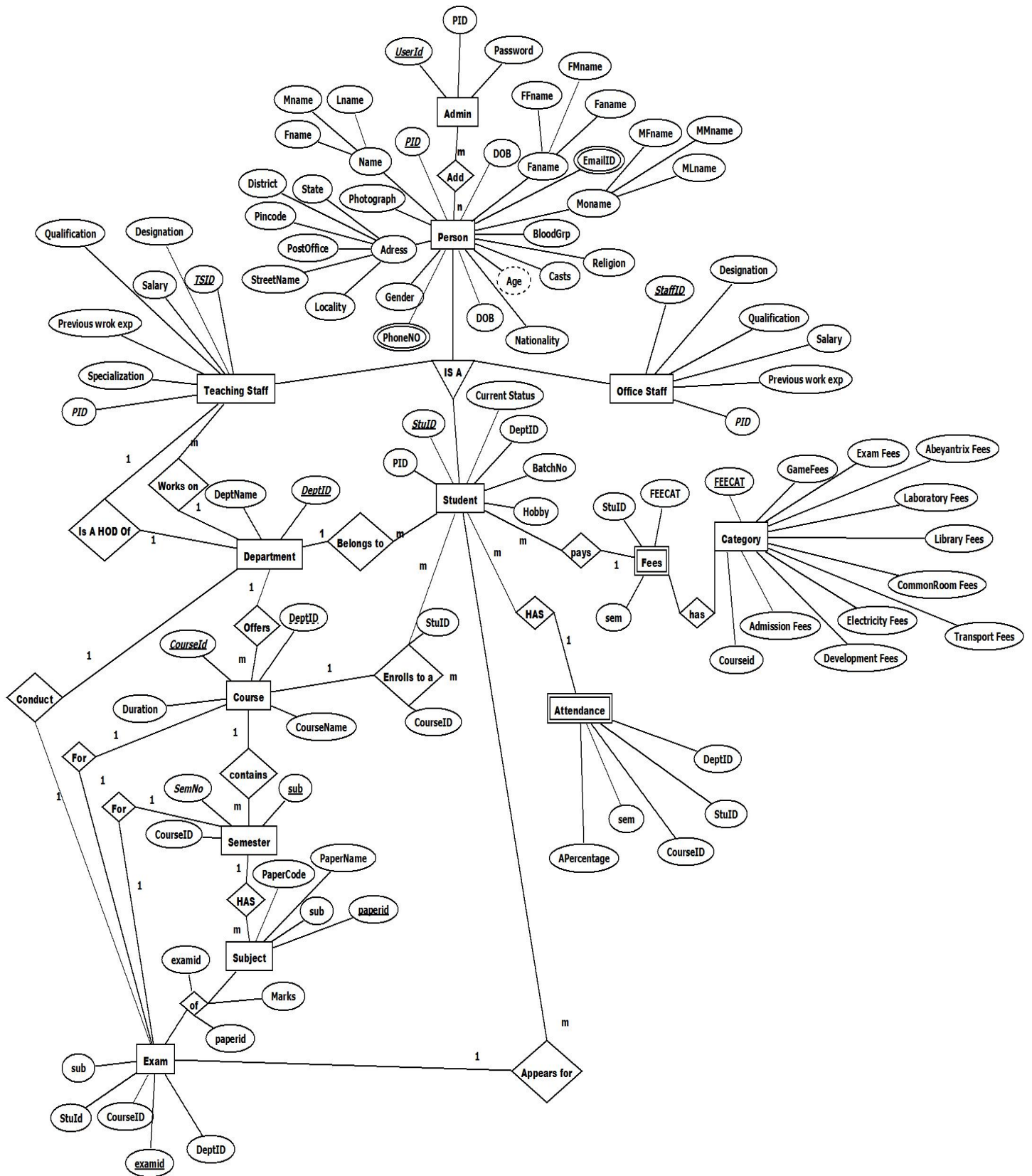


LEVEL 0 DFD

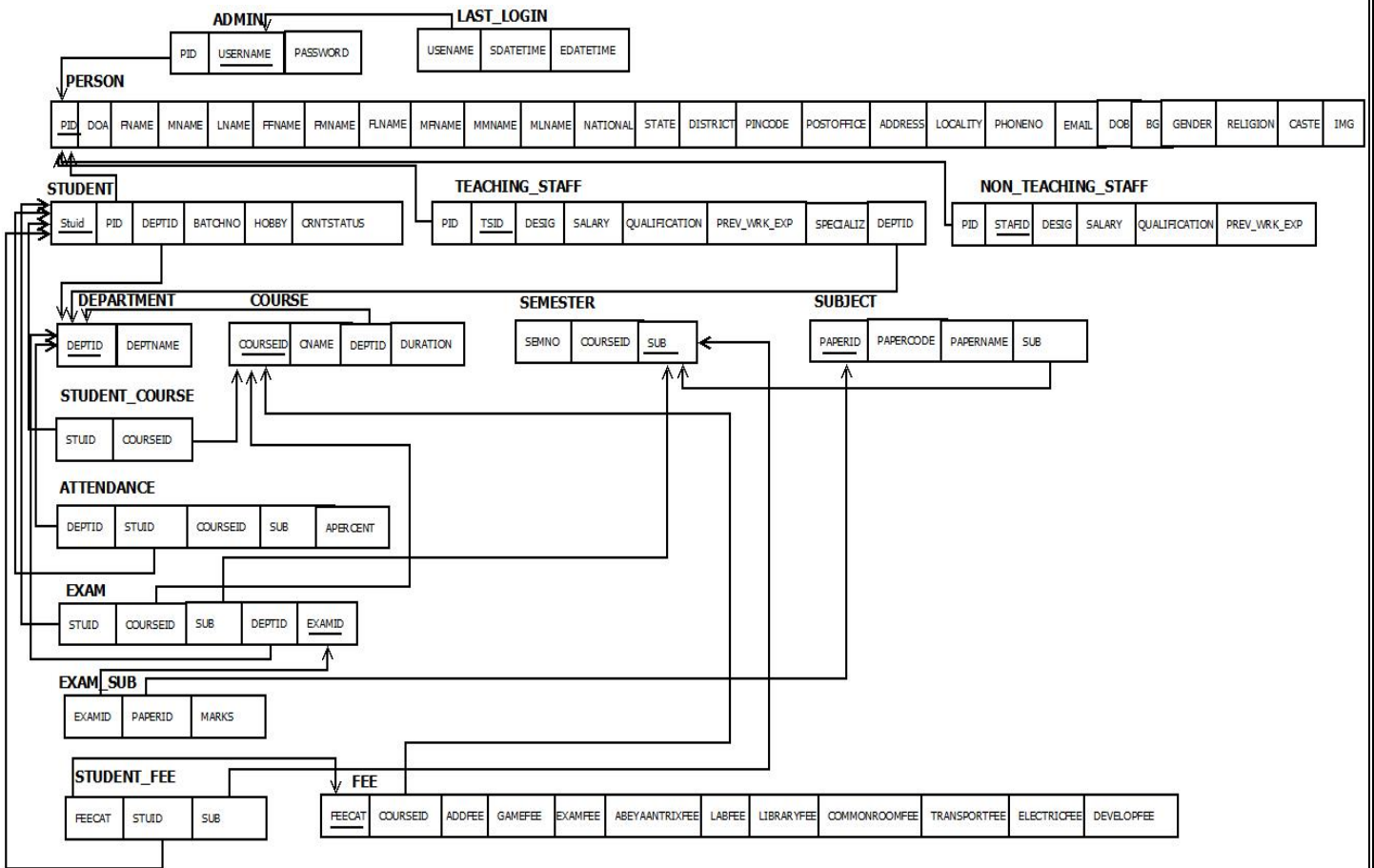


LEVEL 1 DFD

ER DIAGRAM



RELATIONAL MODEL



DATA DICTIONARY

ADMIN

Field Name	Field Size	Data type	Data Format	Description	Example
Username	30	Text	-----	Username of admin	Dennis21
Password	30	Text	-----	Password of admin	Dennis21
PID	20	Number	-----	Person number	03

ATTENDANCE

Field Name	Field Size	Data Type	Data Format	Description	Example
Deptid	4	Text	-----	Unique ID of department	CS
Stuid	20	Text	TT/TTT/NN/NN	Unique Student ID	CS/BSC/15/03
Coursed	2	Number	-----	Unique CourseID	4
Sub	2	Number	-----	Unique no to identify semno and course	20
Apercent	4,2	Number	NN.NN	Attendance percentage	84.23

COURSE

Field Name	Field Size	Data Type	Data Format	Description	Example
Courseid	2	Number	-----	Unique CourseId	4
CourseName	20	Text	-----	Course Name	BSC
Deptid	4	Text	-----	Unique Id of Deparment	CS
Duration	2	Number	-----	Course Duration in years	3

DEPARTMENT

Field Name	Field Size	Data Type	Data Format	Description	Example
Deptid	4	Text	-----	Unique ID of department	CS
Deptname	20	Text	-----	Name of the Department	CS&IT

EXAM

Field Name	Field Size	Data Type	Data Format	Description	Example
Stuid	20	Text	TT/TTT/NN/NN	Unique Student ID	CS/BSC/12/3
Courseid	2	Number	-----	Unique CourseId	4
Sub	2	Number	-----	Unique no to identify semno and course	20
Deptid	4	Text	-----	Unique ID of department	CS
Examid	20	Number	-----	Unique exam no	5

EXAM_SUB

Field Name	Field Size	Data Type	Data Format	Description	Example
Exam_id	20	Number	-----	Unique exam no	5
Paper_id	3	Number	-----	Unique id of paper	3
Marks	3,1	Number	NN.N	Marks obtained by student	87.3

FEE

Field Name	Field Size	Data Type	Data Format	Description	Example
Feeecat	2	Number	-----	Identify the fee category	3
Admission_fee	5	Number	-----	Admission fee Amout	4500
Gameee_fee	5	Number	-----	Game fee Amout	3500
Exam_fee	5	Number	-----	Exam fee Amount	2000
Abeyaantrix_fee	5	Number	-----	Abeyaantrix fee Amount	1000
Lab_fee	5	Number	-----	Laboratory fee Amount	2300
Library_fee	5	Number	-----	Library Fee Amount	800
CommonRoom_fe	5	Number	-----	CommonRoom fee Amount	1400
Transport_fee	5	Number	-----	Transport fee Amount	1600
Electricity_fee	5	Number	-----	Electricity fee Amount	2100
Development_fee	5	Number	-----	Development fee Amount	3000
Courseid	2	Number	-----	Unique Courseid	4

LASTLOGIN

Field Name	Field Size	Data Type	Data Format	Description	Example
Username	30	Text	-----	Username of admin	Dennis21
Sdatetime		Date/Time	DD-MM-YYYY HH.MM.SS AM	Login Time	14-JUN-17 04.47.06 PM
Edatetime	30	Date/Time	DD-MM-YYYY HH.MM.SS AM	Login Time	14-JUN-17 05.47.06 PM

OFFICE_STAFF

Field Name	Field Size	Data Type	Data Format	Description	Example
Staff_id	20	Text	TT/NNNN/NN	Unique ID of office staff	OS/2010/03
PID	20	Number	-----	Person number	03
Designation	30	Text	-----	Designation of office staff	Librarian
Salary	10	Number	-----	Salary of office staff	45000
Qualification	30	Text	-----	Qualificatoin of Office staff	MA
Previous_wrk_exp	30	Text	-----	Previous work experience of office staff	JB College Librarian

PERSON

Field Name	Field Size	Data Type	Data Format	Description	Example
PID	20	Number	-----	Person number	03
DOA		DATE	DD/MMM/YYY	Date of Admission	02/12/1995
Fname	30	Text	-----	First name of applicant	Dennis
Mname	30	Text	-----	Middle name of applicant	Roberto
Lname	30	Text	-----	Last name of applicant	Ritche
FFname	30	Text	-----	Applicant Father's First name	Bajrne
FMname	30	Text	-----	Applicant Father's Middle name	Louis
FLname	30	Text	-----	Applicant Father's Last name	Starstroup
MFname	30	Text	-----	Applicant Mother's First name	Ishita
MMname	30	Text	-----	Applicant Mother's Middle Name	Rani
MLname	30	Text	-----	Applicant Mother's Last Name	Gogoi
Nationality	20	Text	-----	Nationality of Applicant	Indian
State	20	Text	-----	State where Applicant lived	Assam
District	20	Text	-----	District where Applicant lived	Jorhat
Pincode	6	Number	NNNNNN	Pincode of Applicant	785001
Postoffice	20	Text	-----	PostOffice of Applicant	Jorhat
Address	50	Text	-----	Address of Applicant	KB Road
Locality	30	Text	-----	Nearest landmark of applicant	Dominos
PhoneNo	10	Number	NNNNNNNNNN	Applicant phone number	8945723872
Email	50	Text	-----	Applicant email-id	abc@gmail.com
DOB		Date	DD/MM/YYYY	Date of birth of applicant	08/3/2003
BG	10	Text	-----	Blood Group of applicant	AB+
Gender	10	Text	-----	Gender of Applicant	Male
Religion	20	Text	-----	Religion of applicant	Hindu
Caste	30	Text	-----	Caste of applicant	OBC
Photograph		BLOB	-----	Photograph of applicant	

SEMESTER

Field Name	Field Size	Data Type	Data Format	Description	Example
Semno	2	Number	-----	Semester number	4
Courseid	2	Number	-----	Unique Courseid	4
Sub	2	Number	-----	Unique no to identify semno and course	20

STUDENT

Field Name	Field Size	Data Type	Data Format	Description	Example
Stuid	20	Text	TT/TTT/NN/NN	Unique Student ID of student	CS/BSC/15/16
PID	20	Number	-----	Person number	03
Deptid	4	Text	-----	Unique ID of department	CS
BatchNo	10	Text	-----	Batch no of the student	2015-2018
Hobby	30	Text	-----	Interest of student	Cricket
Currntstatus	20	Text	-----	Current semester of student	3

STUDENT_COURSE

Field Name	Field Size	Data Type	Data Format	Description	Example
Stuid	20	Text	TT/TTT/NN/NN	Unique Student ID of student	CS/BSC/15/16
Courseid	2	Number	-----	Unique Courseid	4

STUDENT_FEE

Field Name	Field Size	Data Type	Data Format	Description	Example
Feeecat	2	Number	-----	Identify the fee category	3
Stuid	20	Text	TT/TTT/NN/NN	Unique Student ID of student	CS/BSC/15/16
Sub	2	Number	-----	Unique no to identify semno and course	20

SUBJECT

Field Name	Field Size	Data Type	Data Format	Description	Example
Paper_id	3	Number	-----	Unique id of paper	3
Papercode	2,1	Number	N.N	identify subject of paper of semester	2.1
Papername	50	Text	-----	Name of the paper	Data structure
Sub	2	Number	-----	Unique no to identify semno and course	20

TEACHING_STAFF

Field Name	Field Size	Data Type	Data Format	Description	Example
TSID	20	Text	TT/TTT/NN/NN	Unique ID of Teaching staff	TS/ET/09/7
PID	20	Number	-----	Person number	03
Designation	30	Text	-----	Designation of office staff	Librarian
Salary	10	Number	-----	Salary of office staff	45000
Qualification	30	Text	-----	Qualificatoin of Office staff	MA
Previous_wrk_exp	30	Text	-----	Previous work experience of office staff	JB College Librarian
Specialization	30	Text	-----	Specialization of teacher	Network security
Deptid	4	Text	-----	Unique ID of department	CS

DATABASE TABLE

SELECT * FROM student;

	STUID	PID	DEPTID	BATCHNO	HOBBY	CURRENTSTATUS
1	CH/BSC/15/3	4	CH	2015-2018	DANCING	1
2	CV/BE/16/6	8	CV	2016-2020	CRICKET	1
3	ET/BE/16/22	28	ET	2016-2020	FOOTBALL	1
4	CV/BE/16/10	12	CV	2016-2020	MUSIC	1
5	CV/BE/15/7	9	CV	2015-2019	SIINGING	1
6	CV/BE/15/8	10	CV	2015-2019	DRAWING	1
7	CS/BSC/15/11	13	CS	2015-2018	(null)	1
8	MT/BSC/17/23	29	MT	2017-2020	READING	1
9	ET/BE/17/18	24	ET	2017-2021	FOOTBALL	1
10	ET/BE/15/19	25	ET	2015-2019	(null)	1
11	MT/BSC/16/24	30	MT	2016-2019	(null)	1
12	MT/MSD/16/27	33	MT	2016-2018	VIDEO GAMES	1
13	ME/BE/15/29	35	ME	2015-2019	DANCING	1
14	ME/BE/15/30	36	ME	2015-2019	TENNIS	1
15	PH/BSC/16/35	41	PH	2016-2019	FOOTBALL	1
16	ET/BE/16/21	27	ET	2016-2020	(null)	1
17	CS/BSC/16/14	20	CS	2016-2019	CRICKET	1
18	CS/BSC/15/17	23	CS	2015-2018	TRAVELING	2
19	MT/BSC/15/25	31	MT	2015-2018	DANCING	1
20	MT/MSD/16/26	32	MT	2016-2018	COOKING	1

SELECT * FROM attendance;

	DEPTID	STUID	COURSEID	SUB	APERCENT
1	CS	CS/BSC/15/11	4	19	(null)
2	CV	CV/BE/16/6	7	41	86
3	CV	CV/BE/15/9	7	41	(null)
4	ET	ET/BE/17/18	5	25	(null)
5	CS	CS/BSC/15/16	4	19	(null)
6	CS	CS/BSC/15/17	4	19	(null)
7	CS	CS/BSC/15/15	4	20	(null)
8	ET	ET/BE/16/22	5	25	(null)
9	MT	MT/MSD/16/26	10	61	(null)
10	ME	ME/BE/15/30	8	49	(null)
11	PH	PH/BSC/16/35	1	1	(null)
12	PH	PH/BSC/15/39	1	1	72
13	CS	CS/BSC/16/14	4	19	(null)
14	CH	CH/BSC/15/3	2	7	78
15	PH	PH/MSD/16/37	9	57	(null)
16	CV	CV/BE/16/10	7	41	(null)
17	PH	PH/MSD/16/38	9	57	(null)
18	MT	MT/MSD/16/28	10	61	(null)
19	ME	ME/BE/15/31	8	49	(null)
20	ET	ET/BE/16/21	5	25	(null)

SELECT * FROM subject;

	PAPERID	PAPERCODE	PAPERNAME	SUB
1	72	1.1	APPLIED PHYSICS-I	25
2	73	1.2	BASIC ELECTRICAL ENGINEERING	25
3	74	1.3	BUSINESS COMMUNICATION	25
4	75	1.4	ENGINEERING CHEMISTRY	25
5	76	1.5	ENGINEERING GRAPHICS	25
6	77	1.6	MATHEMATICS I	25
7	78	2.1	APPLIED PHYSICS-II	26
8	79	2.2	COMPUTER PROGRAMMING	26
9	80	2.3	ECONOMICS FOR ENGINEERS	26
10	81	2.4	ENGINEERING CHEMISTRY-II	26
11	82	2.5	ENGINEERING MECHANICS	26
12	83	2.6	ENVIRONMENTAL SCIENCE	26
13	84	1.1	APPLIED PHYSICS-I	33
14	85	1.2	BASIC ELECTRICAL ENGINEERING	33
15	86	1.3	BUSINESS COMMUNICATION	33
16	87	1.4	ENGINEERING CHEMISTRY	33
17	88	1.5	ENGINEERING GRAPHICS	33
18	89	1.6	MATHEMATICS I	33
19	90	2.1	APPLIED PHYSICS-II	34
20	91	2.2	COMPUTER PROGRAMMING	34

SELECT * FROM student_course;

	STUID	COURSEID
1	MT/BSC/16/24	3
2	MT/MSB/16/27	10
3	ME/BE/15/31	8
4	PI/BE/15/32	6
5	PH/BSC/15/39	1
6	CV/BE/15/9	7
7	MT/MSB/16/26	10
8	ET/BE/15/19	5
9	CH/BSC/16/5	2
10	MT/BSC/17/23	3
11	PI/BE/16/33	6
12	PH/BSC/16/35	1
13	PH/MSB/16/37	9
14	CV/BE/16/10	7
15	PI/BE/16/34	6
16	CV/BE/15/7	7
17	CV/BE/15/8	7
18	CS/BSC/15/16	4
19	ME/BE/15/29	8
20	CS/BSC/15/11	4

SELECT * FROM fee;

	FEECAT	ADMISSIONFEE	GAMEFEE	EXAMFEE	ABEYAANTRIFEE	LABORATORYFEE	LIBRARYFEE	COMMONROOMFEE	TRANSPORTFEE	ELECTRICITYFEE	DEVELOPMENTFEE	COURSEID
1	1	100	200	200	1000	600	500	150	700	1000	1300	1
2	2	100	200	200	1000	600	500	150	700	1000	1300	2
3	3	100	200	200	1000	600	500	150	700	1000	1300	3
4	4	100	200	200	1000	600	500	150	700	1000	1500	4
5	5	150	200	300	1000	700	600	150	700	1200	2000	5
6	6	150	200	300	1000	700	600	150	700	1200	2000	6
7	7	150	200	300	1000	700	600	150	700	1200	2000	7
8	8	150	200	300	1000	700	600	150	700	1200	2000	8
9	9	1000	500	1500	1000	2500	2000	300	700	2500	3000	9
10	10	1000	500	1500	1000	2500	2000	300	700	2500	3000	10

SELECT * FROM person;

	PID	DOA	FNAME	MNAME	LNAME	FFNAME	FNNAME	FLNAME	MFNAME	MMNAME	MLNAME	NATIONALITY	STATE	DISTRICT	PINCODE	POSTOFFICE	ADDRESS	
1	43	14-JUN-2016	MANASH	PROTIM	DUTTA	GAUTAM	(null)	DUTTA	SEEMA	(null)	DUTTA	INDIAN	ASSAM	JORHAT	785001	JORHAT	BARUANI BAAT	AI
2	31	16-JUL-2015	UDESHNA	(null)	DUTTA	SHYAM	(null)	DUTTA	RABINA	(null)	DUTTA	INDIAN	ASSAM	SIVSAGAR	785640	SIVSAGAR	DHAI ALI	YF
3	47	01-JUL-2010	UTTAM	JYOTI	KONWAR	PRITAM	JYOTI	KONWAR	RIMA	MONI	KONWAR	INDIAN	ASSAM	LAKHIMPUR	791120	ZIRO	OLD ZIRO ROAD	ZI
4	33	13-JUN-2016	DEBOJIT	(null)	DEBNATH	RABI	PRASAD	DEBNATH	MINA	(null)	DEBNATH	INDIAN	ASSAM	SIMALUGURI	785685	TETELIGURI	LUTHURI GAON	TE
5	58	20-AUG-2016	BIPIN	(null)	DAS	UPENDRA	(null)	DAS	LAKHIMI	(null)	DAS	INDIAN	ASSAM	JORHAT	785010	JORHAT	LADOIGARH	(r
6	64	10-JUN-2015	HEROK	JYOTI	NEOG	ARINDAM	(null)	NEOG	MALINI	(null)	NEOG	INDIAN	ASSAM	GOLAGHAT	785041	GOLAGHAT	CHEPANOLA TINIALI	(r
7	7	10-JUN-2017	DENNIS	(null)	RITCHIE	BAJARNE	(null)	STROUSTRUP	ADELE	(null)	GOLDBERG	INDIAN	NEW DELHI	NOIDA	110114	NOIDA	MASIJ ROAD JANGPURA	(r
8	38	15-JUL-2015	PARTHA	PROTIM	DAS	BHUPEN	(null)	DAS	FUTULI	(null)	DAS	INDIAN	ASSAM	NUMALIGARH	785613	NUMALIGARH	KALIONI	(r
9	11	14-AUG-2015	ANKUR	JYOTI	BORUAH	BHASKAR	JYOTI	BORUAH	DEBABRATA	(null)	BORUAH	INDIAN	ASSAM	JORHAT	785683	JHANJI	DHEKIAL	(r
10	45	17-NOV-2004	YUVRAJ	(null)	BORAH	MASUM	CHANDRA	BORAH	NAMRATA	(null)	BORAH	INDIAN	ASSAM	DIBRUGARH	786003	DIBRUGARH	SONARI GAON	(r
11	42	21-JUN-2016	SHYAMAL	(null)	DEKA	DHURBA	JYOTI	DEKA	TRISHA	(null)	DEKA	INDIAN	ASSAM	SIVSAGAR	785696	JOYSAGAR	JOYSAGAR ROAD	JC
12	46	26-OCT-2008	SHRUTI	SHEELA	DUTTA	BISWAJIT	(null)	DUTTA	SAMADRITA	MONI	DUTTA	INDIAN	ASSAM	JORHAT	785001	JORHAT	BALIBAT ROAD	GF
13	49	14-JUL-2005	SAURAV	KUMAR	GOGOI	BISHAL	(null)	GOGOI	RICHA	(null)	GOGOI	INDIAN	ASSAM	TEZPUR	784502	BIHUGURI	MALIA GAON	BI
14	55	18-AUG-2012	MINAKSHI	(null)	KALITA	PRABHAT	(null)	KALITA	JAHAVI	(null)	KALITA	INDIAN	ASSAM	JORHAT	785101	JORHAT	KUMAR BHETA	(r
15	60	12-MAR-2015	RUSHNA	(null)	HUSSAIN	HABIDUR	(null)	HUSSAIN	SHEHNAZ	(null)	HUSSAIN	INDIAN	ASSAM	JORHAT	785001	TARAJAN	TARAJAN	(r
16	2	04-JUL-2011	DIGANTA	(null)	BORUAH	TUKARAM	(null)	BORUAH	MALINI	(null)	BORUAH	INDIAN	ASSAM	JORHAT	785034	JORHAT	RAJAHOLI,JB ROAD	(r
17	10	06-JUL-2015	ASHIM	(null)	HUSSAIN	WASSIM	ALI	HUSSAIN	PRATIVA	BEGAM	HUSSAIN	INDIAN	ASSAM	JORHAT	785107	TEOK	SARUFAIDIA BAILUNG GAON ROAD	SF
18	4	15-JUL-2015	ISHITA	RANI	GOGOI	PROBHAT	(null)	GOGOI	VEENA	(null)	GOGOI	INDIAN	ASSAM	JORHAT	785040	NAUBOISA	NAUBOISA GAON	(r
19	29	13-JUL-2017	ABHINOV	(null)	PHUKAN	DEEP	(null)	PHUKAN	KETEKI	(null)	PHUKAN	INDIAN	ASSAM	NAMRUP	786621	SECTOR D	PANIDARIA GAON	SE
20	24	13-JUL-2017	RAVI	(null)	GOLDSMITH	RITOM	(null)	GOLDSMITH	LATA	(null)	GOLDSMITH	INDIAN	ASSAM	GUAHATI	781021	BAMUNIMAIMAM	SECTOR 2	BF
21	25	16-JUN-2015	MADHURJYA	(null)	SHARMA	ARUN	(null)	SHARMA	PURABI	(null)	SHARMA	INDIAN	ASSAM	NAGAON	782003	AMINPATI	R.K. ROAD	AB
22	30	13-JUL-2016	MANU	RANJAN	DAS	PRITAM	(null)	DAS	RIYA	(null)	DAS	INDIAN	ASSAM	BORHAT	785693	BORHAT	BIORHOLA HABI GAON	(r
23	36	16-JUN-2015	BIKASH	(null)	SHARMA	DHIREN	(null)	SHARMA	JANMONI	(null)	SHARMA	INDIAN	ASSAM	MAJULI	785104	MAJULI	GARMUR SATRA	(r

SELECT * FROM teaching_staff;

	PID	TSID	DESIGNATION	SALARY	QUALIFICATION	PREVIOUS_WORK_EXP	SPECIALIZATION	DEPTID
1	51	TS/ET/09/7	HOD	32000	ME	(null)	COMMUNICATION MEDIA	ET
2	50	TS/CS/11/6	Associate Prof	34000	MCA	INFOSIS PVT. LTD	CLOUD TECHNOLOGY	CS
3	54	TS/PI/09/10	Assistant Prof	38000	ME	(null)	DIGITAL ELECTRONICS	PI
4	49	TS/CS/05/5	HOD	44000	MCA	ASSIST. PROF IN JB COLLEGE	NETWORK SECURITY	CS
5	45	TS/CH/04/1	HOD	35000	MSC	LAB ASSISTANT IN APL	QUANTUM CHEMISTRY	CH
6	46	TS/CH/08/2	Associate Prof	30000	BSC	ASSIST PROF IN LVA COLLEGE	ENVIRONMENTAL CHEMISTRY	CH
7	55	TS/PH/12/11	HOD	38000	ME	ASSIST PROF AT JEC COLLEGE	QUANTUM PHYSICS	PH
8	52	TS/MT/15/8	HOD	34000	MSC	HOD AT SGG COLLEGE	MATRIX	MT
9	47	TS/CV/10/3	HOD	40000	ME	ASSIST. PROF.	GEOTECH. ENGINEERING	CV
10	48	TS/CV/12/4	Assistant Prof	30000	ME	(null)	STRUCTURAL ENGINEERING	CV
11	53	TS/ME/14/9	Assistant Prof	40000	ME	GRACIAS PVT. LTD	HEAT ENGINEERING	ME

SELECT * FROM office_staff;

	STAFFID	PID	DESIGNATION	SALARY	QUALIFICATION	PREVIOUS_WORK_EXP
1	OS/2010/3	56	Accountant	25000	BA	(null)
2	OS/2016/10	63	Admin	25000	PHD	(null)
3	OS/2011/1	2	Admin	21540	BA	(null)
4	OS/2011/4	57	Cashier	22000	BCOM	ACER PVT. LTD
5	OS/2013/6	59	Librarian	32000	BLIB.	ASSIST LIB AT LVA COLLEGE
6	OS/2017/8	61	Stenographer	22000	BCOM	HP WORLD PVT. LTD
7	OS/2015/7	60	Office Assistant	18000	BA	(null)
8	OS/2014/11	66	Cashier	32000	BCOM	VLCC PVT. LTD.
9	OS/2013/9	62	UDA	25000	MA	(null)
10	OS/2017/2	7	Admin	234564	PHD	(null)
11	OS/2016/5	58	Chowkidar	18000	H.S.	(null)

PROJECT VIEW

PROJECT DESCRIPTION

The “Institute Management System” is based on managing the records of an institute and managing the records of all the students and Staff. The first activity is based on entering the students and Staff as soon as their admission is done. A unique register number is given to that particular for his identification. The system also maintains attendance details of a particular student. At the end of each semester, the average percentage of classes attended by each student is displayed. The system also manages in storing student’s marks separately for each semester. At the end of each semester, the results can be displayed by calculating his/her semester marks.

The second activity is based on managing the institute. The system keeps the record of the fee payment done by each student. It also records the information and salary to be paid to each staff members.

Admin has the authority to add details and new admin when needed. And he also has the right to edit or delete those information to/from the list. All the information’s are being saved in the database.

Project Features:

Staff: When a new Staff joins the Institute, his record is saved in the database and a unique ID is generated.

Student: As soon as the admission is done, the student’s details are saved in the database and a unique register number is given to that student for his identification.

Marks Calculation: Depending on the semester marks, the final result of the student is calculated in terms of average percentage.

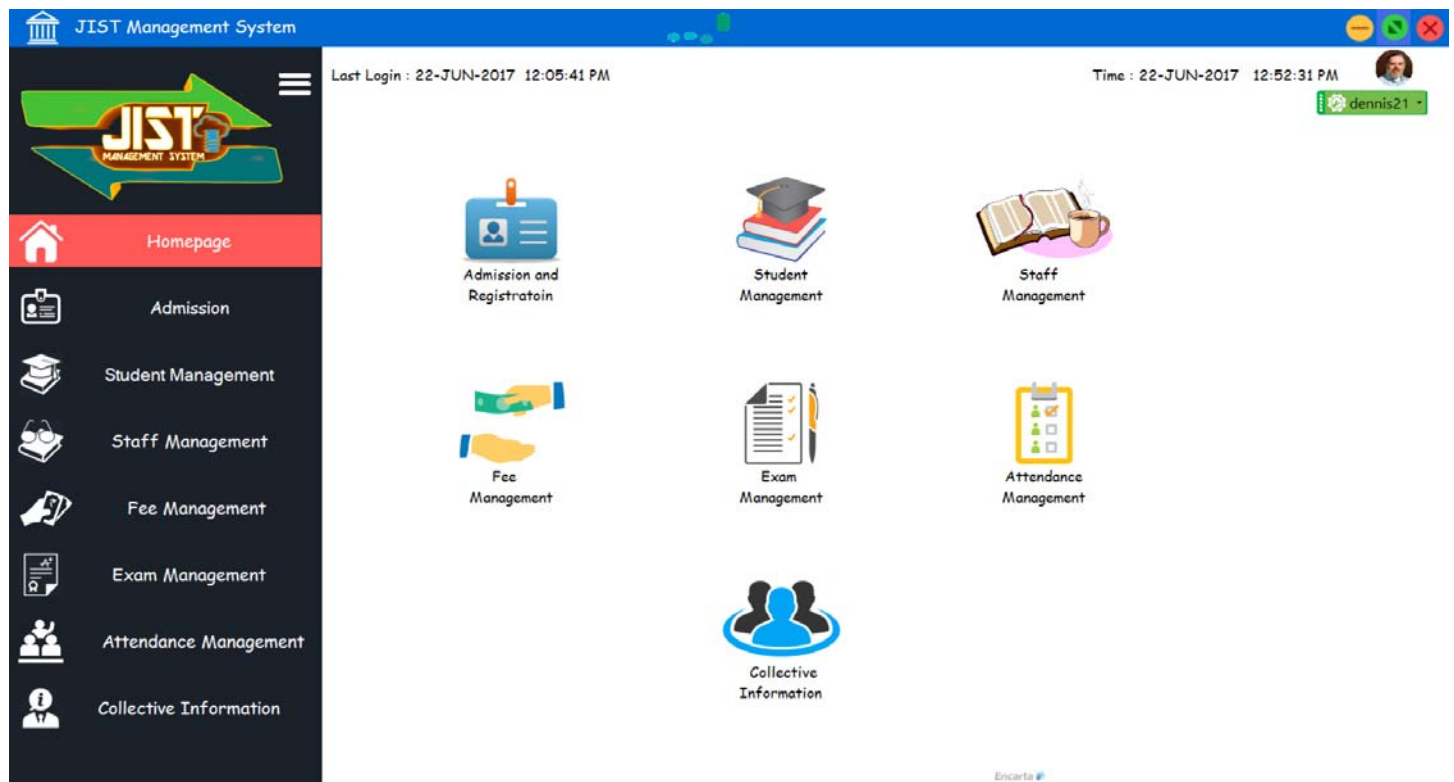
Attendance: The system maintains attendance details of a particular student. At the end of each semester, the average percentage of classes attended by each student can be displayed.

Collective Information: The information of an individual, student or staff, can be displayed collectively which include personal and academic details.

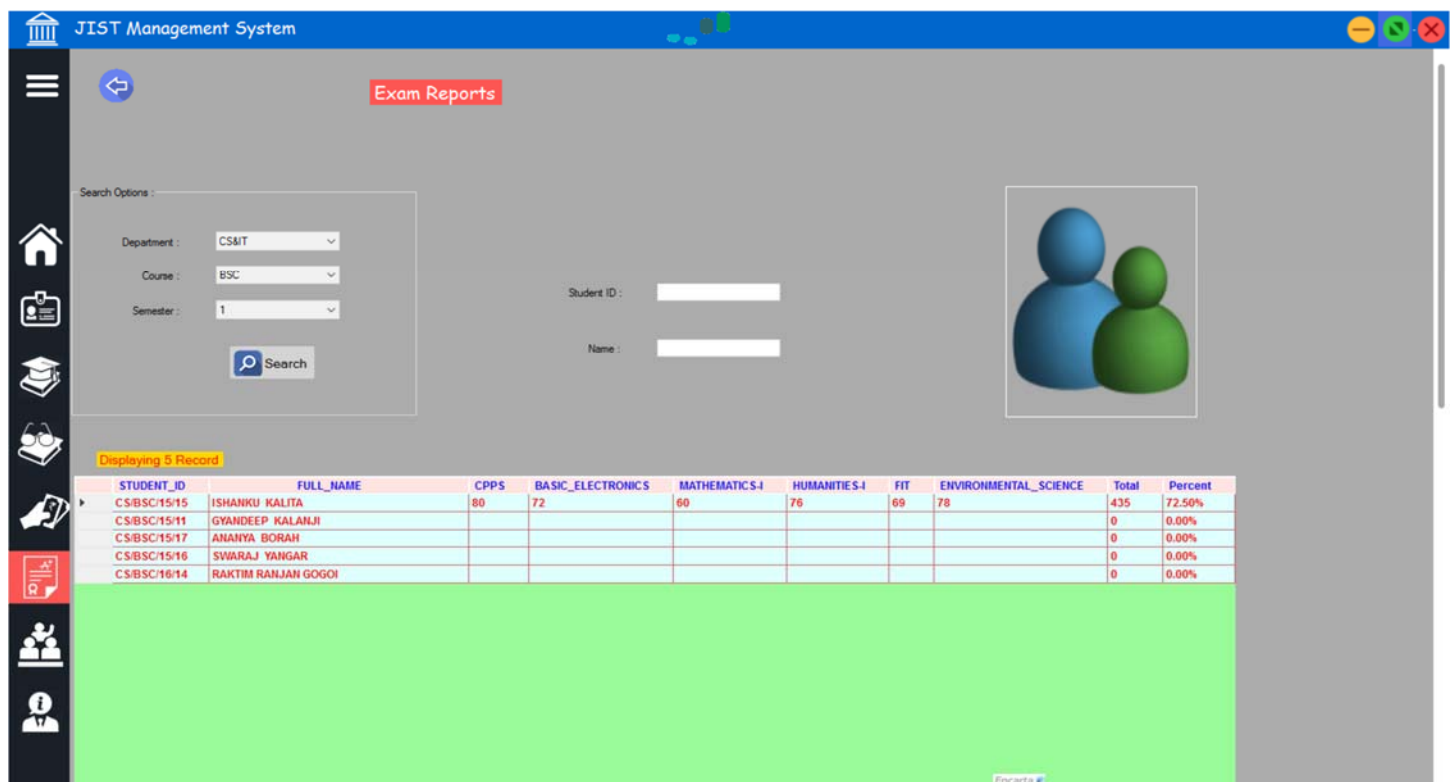
Login/Logout: This module allows the admin to Login or Logout the application. The last session detail of login and logout can be displayed. Further operations cannot be performed after user exits.

SNAP SHOT OF THE PROJECT

HomePage



Exam Reports



Student Admission

JIST Management System

Student Admission

Admission Info :

Department Name :

Course :

Semester :

Admission Date :

Student ID :

Applicant Details :

Name :

Date Of Birth : Age :

Nationality :

Religion :

Caste :

Blood Group :

Gender : ☐ Male ☐ Female

Hobby :

Encarta

Office Staff Delete

JIST Management System

Staff Delete

Search Options :

Employed In :











Department :

Year of Joining :

ID :

Name :

Displaying 11 Record

IMG	ID	FULL_NAME	Designation	Salary	DATE_OF_JOINING	GENDER
	TSMT/15/8	ADHISEKH RAJGHUA	HOD	34000	04/MAR/2015	M
	TSICS/11/6	CHAYAN MONI BHUYAN	Associate Prof	34000	02/MAR/2011	F
	TSPI/09/10	DEEP JYOTI BORAH	Assistant Prof	30000	26/NOV/2009	M
	TS/ET/09/7	DULON JYOTI BORUAH	HOD	32000	11/MAR/2009	M
	TS/PH/12/11	MINAKSHI KALITA	HOD	38000	18/AUG/2012	F
	TS/ME/14/9	PRITAM CHUTIA	Assistant Prof	40000	27/OCT/2014	M
	TS/ICV/12/4	ROHAN DAS	Assistant Prof	30000	05/APR/2012	M
	TS/ICS/05/5	SAURAV KUMAR GOGOI	HOD	44000	14/JUL/2005	M
	TS/ICH/08/2	SHRUTI SHEELA DUTTA	Associate Prof	30000	26/OCT/2008	F
	TS/ICV/10/3	UTTAM JYOTI KOMAR	HOD	40000	01/MAR/2010	M

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FEE Payment of Student

JIST Management System

Fee Payment

Student Details :

Student ID :

Name :

Department :

Course :

Semester :

Fee Details :

Admission Fee :

Game Fee :

Exam Fee :

Abeyanatrix Fee :

Laboratory Fee :

Library Fee :

CommonRoom Fee :

Transport Fee :

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MARKS INSERT OF STUDENT

JIST Management System

Insert Marks

Search Options :

Department :

Course :

Semester :

Student ID :

Name :

Displaying 5 Record

STUDENT_ID	FULL_NAME	CPPS	BASIC_ELECTRONICS	MATHEMATICS-I	HUMANITIES-I	FIT	ENVIRONMENTAL_SCIENCE
CS/BSC/15/15	ISHANKU KALITA	80	72	60	76	69	78
CS/BSC/15/11	GYANDEEP KALANJII						
CS/BSC/15/17	ANANYA BORAH						
CS/BSC/15/16	SVARAJ YANGAR						
CS/BSC/16/14	RAKTIM RANJAN GOGOI						

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Update Student Details

Student Update

Search Options :

Department : CHEMISTRY

Course : BSC

Semester : 1

Search

Student ID :

Name :

Browse

Displaying 2 Record

STUDENT_ID	FULL_NAME	DEPARTMENT	COURSE	SEMESTER
CH/BSC/16/5	BIKASH DAS	CHEMISTRY	BSC	1
CH/BSC/15/3	ISHITA RANI GOGOI	CHEMISTRY	BSC	1

Applicant Details :

Name : BIKASH DAS

Date Of Birth : 13-Jul-1995 Age 21

Nationality : INDIAN

Religion : HINDU

Caste : Scheduled Castes

Blood Group : O+

Attendance Details

Attendance Details

Search Options :

Department : MATHEMATICS

Course : BSC

Semester : 1

Search

Student ID :

Name :

ABHINAV PHUKAN

Displaying 3 Record

IMG	STUDENT_ID	FULL_NAME	GENDER	PERCENTAGE
	MT/BSC/17/23	ABHINAV PHUKAN	M	78.00%
	MT/BSC/16/24	MANU RANJAN DAS	M	69.00%
	MT/BSC/15/25	UDESHNA DUTTA	F	85.00%

Student Collective Details

JIST Management System

JIST

Homepage

Admission

Student Management

Staff Management

Fee Management

Exam Management

Attendance Management

Collective Information

Student Details

PRINT

Insert Student ID : CS/BSC/15/17

Student's Details :

Name : ANANYA BORAH

Date Of Birth : 09-Jan-1996 Age : 21

Nationality : INDIAN

Religion : HINDU

Caste : Scheduled Tribes(Plain)

Blood Group : AB-

Gender : ☒ Male ☐ Female

Hobby : TRAVELING

Guardian's Details

Father's name : ABHINOV BORAH

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Staff Collective Details

JIST Management System

JIST

Homepage

Admission

Student Management

Staff Management

Fee Management

Exam Management

Attendance Management

Collective Information

Staff Details

PRINT

Insert ID : 05/2017/2

Staff Details :

Name : DENNIS RITCHIE

Date Of Birth : 04-Jul-1990 Age : 26

Nationality : INDIAN

Religion : MUSLIM

Caste : Others

Blood Group : AB+

Gender : ☒ Male ☐ Female

Guardian's Details

Father's name : BAJARNE STROUSTRUP

Mother's name : ADELE GOLDBERG

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CONCLUSION

Today all the work at the time of admission of the students is done manually by ink and paper, which is very slow and consuming much efforts and time.

Since the numbers of students is growing, and management has to handle records of all the students, it is facing a little bit problems in maintaining the records of students.

It is required to Design of a Computerized Institute Management System, to speed up and make it easy to use system.

Hence the proposed system has overcome some of the drawbacks of existing system. The proposed system performs the tasks automatically and therefore lot of time is saved and it becomes easier to store and retrieve data in a college.

Bibliography

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- www.codeproject.com

CERTIFICATE

This is to certify that the project entitled INSTITUTE MANAGEMENT SYSTEM of JIST submitted to Jorha Institute of Science And Technology, Assam is partial fulfillment of the requirement for the completion of the minor project of B.SC in Information Technology Degree. It is an original work carried out by Bijoy Dutta and Rajkumar Rocktim Narayan Singha, B.SC IT 4th Semester, under the guidance of Mr. Rajiv Kalita of Bsc.IT Department JIST.

The matter embodied in this project is a genuine work done by the students. They have also submitted the project with the report. I have been supervising them throughout the activity and they completed the work to my ultimate satisfaction. This work reported herein has not been presented for other academic purpose elsewhere. This as per requirement for a live project under some organization and it would probably meet the entire essential requisite according to the user needs.

Their effort is being appreciated by me and I wish them a bright future.

Date:

Signature Of HOD
CS & IT Department
JIST, Jorhat, Assam