

A Report on
Analysis of Enrollment Trend, Exam Appeared Trend and Pass Rate Trend
of the Last Three Years (2076-2078)

Submitted to
Campus Chief
Lumbini Banijya Campus
Butwal-11, Devinagar, Rupandehi, Nepal

Submitted by
Education Information Management System (EMIS) Cell
Lumbini Banijya Campus
Butwal-11, Devinagar, Rupandehi, Nepal

Chaitra, 2078

1. Enrollment Trend Analysis

Bachelor Level, Year 2076 (B.S)

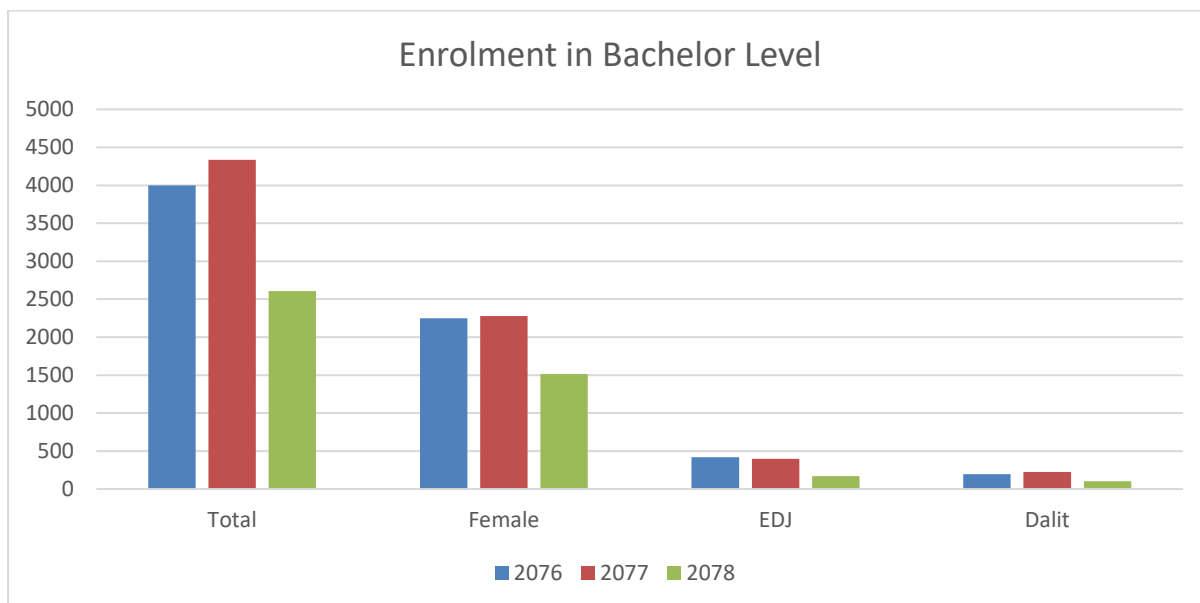
<i>Level</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>BBS 1st Year</i>	1125	557	78	63
<i>BBS 2nd Year</i>	930	520	81	46
<i>BBS 3rd Year</i>	865	506	92	48
<i>BBS 4th Year</i>	712	425	81	35
<i>BBA-FA 1st Semester</i>	88	64	15	2
<i>BBM 1st Semester</i>	64	44	12	2
<i>BBM 3rd Semester</i>	88	61	19	0
<i>BBM 5th Semester</i>	68	35	33	0
<i>BBM 7th Semester</i>	57	37	7	0
<i>Total</i>	3997	2249	418	196

Bachelor Level, Year 2077 (B.S)

<i>Level</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>BBS 1st Year</i>	824	329	61	54
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<i>BBM 5th Semester</i>	88	61	19	0
<i>BBM 7th Semester</i>	68	35	33	0
<i>BMS 1st Semester</i>	107	62	6	7
<i>Total</i>	4335	2277	399	224

Bachelor Level, Year 2078 (B.S)

<i>Level</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>BBS 2nd Year</i>	692	383	28	17
<i>BBS 3rd Year</i>	648	409	37	23
<i>BBS 4th Year</i>	568	279	21	16
<i>BBA-FA 1st Semester</i>	88	61	4	3
<i>BBA-FA 3rd Semester</i>	83	56	7	2
<i>BBA-FA 5th Semester</i>	80	58	5	2
<i>BBM-A 1st Semester</i>	76	43	6	3
<i>BBM-A 3rd Semester</i>	59	39	4	1
<i>BBM 5th Semester</i>	63	37	7	4
<i>BBM 7th Semester</i>	76	51	13	3
<i>BMS 1st Semester</i>	94	57	21	12
<i>BMS 3rd Semester</i>	80	41	17	18
<i>Total</i>	2607	1514	170	104



The Campus has introduced three different autonomous programs viz. BMS, BBM-A & BBA-FA. Due to the limited seats available in these autonomous programs, the number of students is in decreasing trend in bachelor level programs. The Campus has stopped taking admission in BBS and BBM Programs it is because the Campus is planning to convert it into a Deemed-to-be University. However, the admission of female, EDJ and Dalit students is satisfactory.

Masters Level, 2076

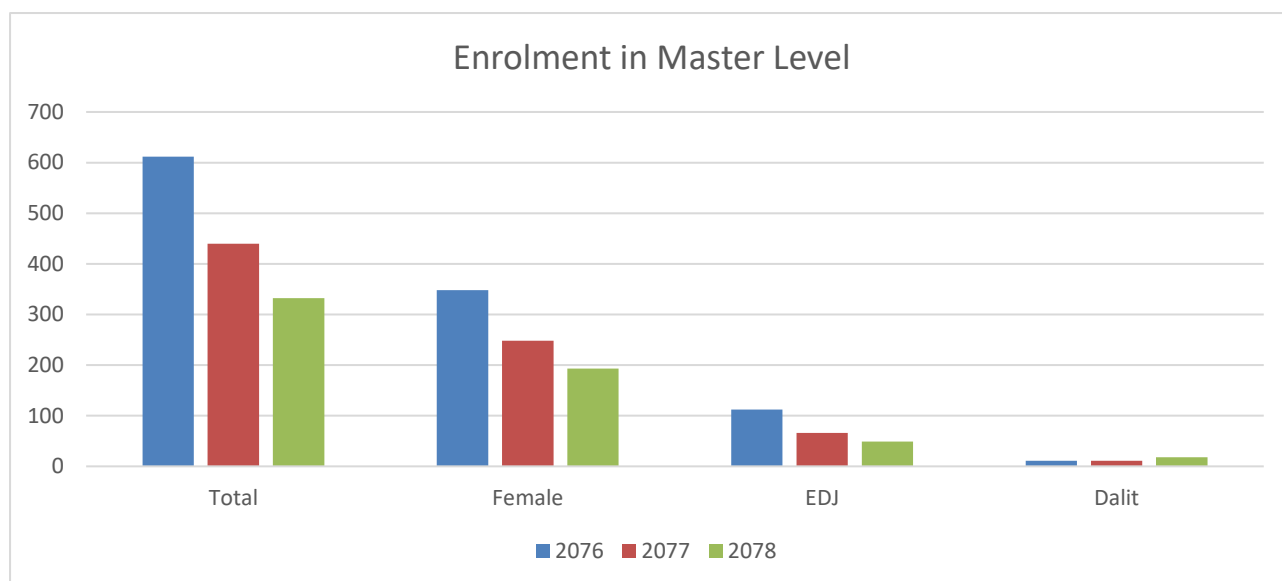
<i>Level</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBS 1st Semester</i>	245	141	48	6
<i>MBS 3rd Semester</i>	225	129	49	1
<i>MBS-F 1st Semester</i>	78	46	10	2
<i>MBA-BF 1st Semester</i>	35	19	2	0
<i>MBA-BF 3rd Semester</i>	29	13	3	2
<i>Total</i>	612	348	112	11

Master Level, 2077

<i>Level</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBS-F 1st Semester</i>	36	14	3	3
<i>MBS-F 3rd Semester</i>	78	46	10	2
<i>MBA-BF 1st Semester</i>	27	18	2	0
<i>MBA-BF 2nd Semester</i>	19	10	1	0
<i>MBA-BF 3rd Semester</i>	35	19	2	0
<i>MBS 3rd Semester</i>	245	141	48	6
<i>Total</i>	440	248	66	11

Master Level, 2078

<i>Level</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBS-F 1st Semester</i>	25	14	4	2
<i>MBS-F 3rd Semester</i>	62	39	13	4
<i>MBA-BF 1st Semester</i>	28	16	3	0
<i>MBA-BF 2nd Semester</i>	32	21	2	1
<i>MBS 3rd Semester</i>	185	103	27	11
<i>Total</i>	332	193	49	18



The Campus has introduced two different autonomous programs viz. MBS-F and MBA-BF. Due to the limited seats available in these autonomous programs, the number of students is in decreasing trend in Master Level programs. The Campus has stopped taking new intake in MBS Program it is because the Campus is planning to convert it into a Deemed-to-be University. However, the admission of female, EDJ and Dalit students is satisfactory.

2. Exam Appear Trend Analysis

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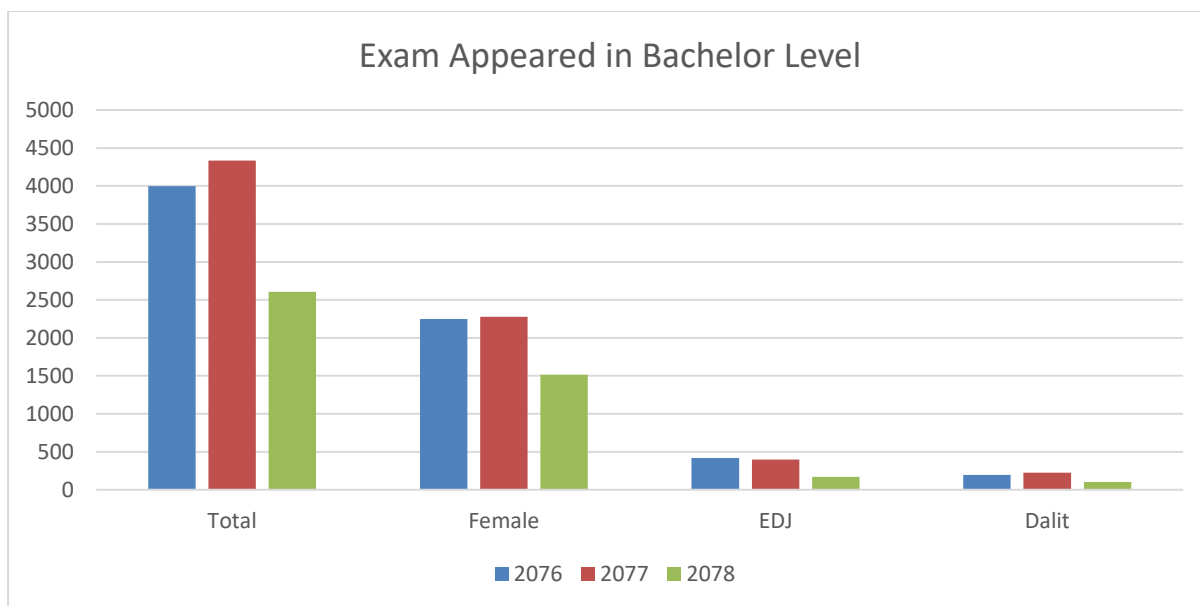
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<i>Total</i>	2607	1514	170	104



The number of students appearing the exam is in decreasing trend since the intake in three different autonomous programs viz. BMS, BBM-A & BBA-FA is limited due to the limited seats available in these autonomous programs. The Campus has stopped taking new intakes in BBS and BBM Programs it is because the Campus is planning to convert it into a Deemed-to-be University. However, the number of female, EDJ and Dalit students in exam is satisfactory.

Masters Level, 2076

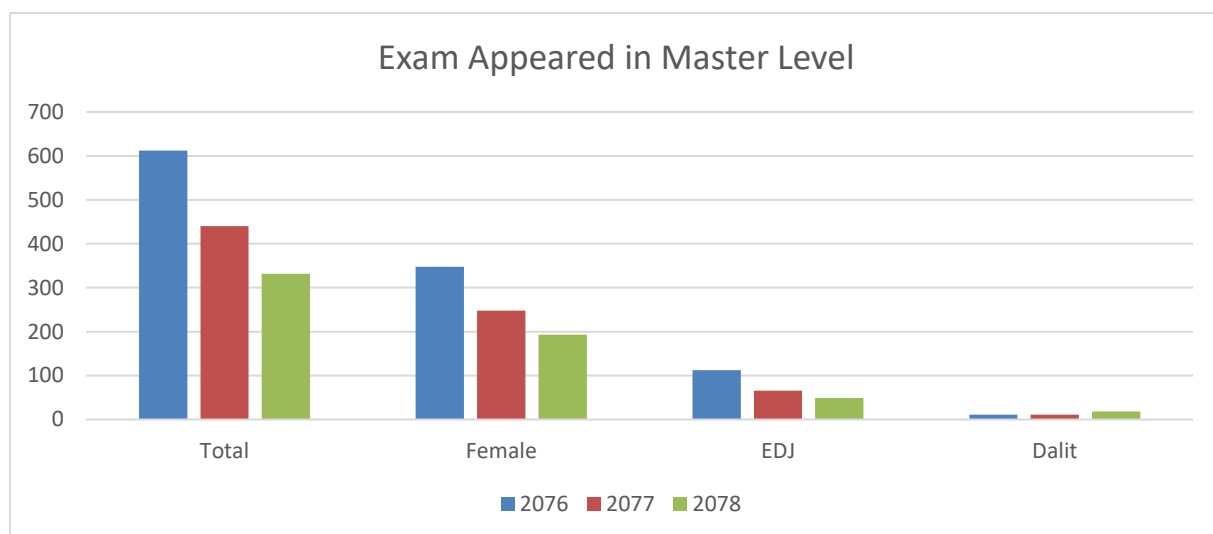
<i>Level</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBS 1st Semester</i>	245	141	48	6
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Master Level, 2077

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<i>MBS-F 1st Semester</i>	36	14	3	3
<i>MBS-F 3rd Semester</i>	78	46	10	2
<i>MBA-BF 1st Semester</i>	27	18	2	0
<i>MBA-BF 2nd Semester</i>	19	10	1	0
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Master Level, 2078

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3. Pass Rate Trend Analysis

Bachelor Level, Year 2076

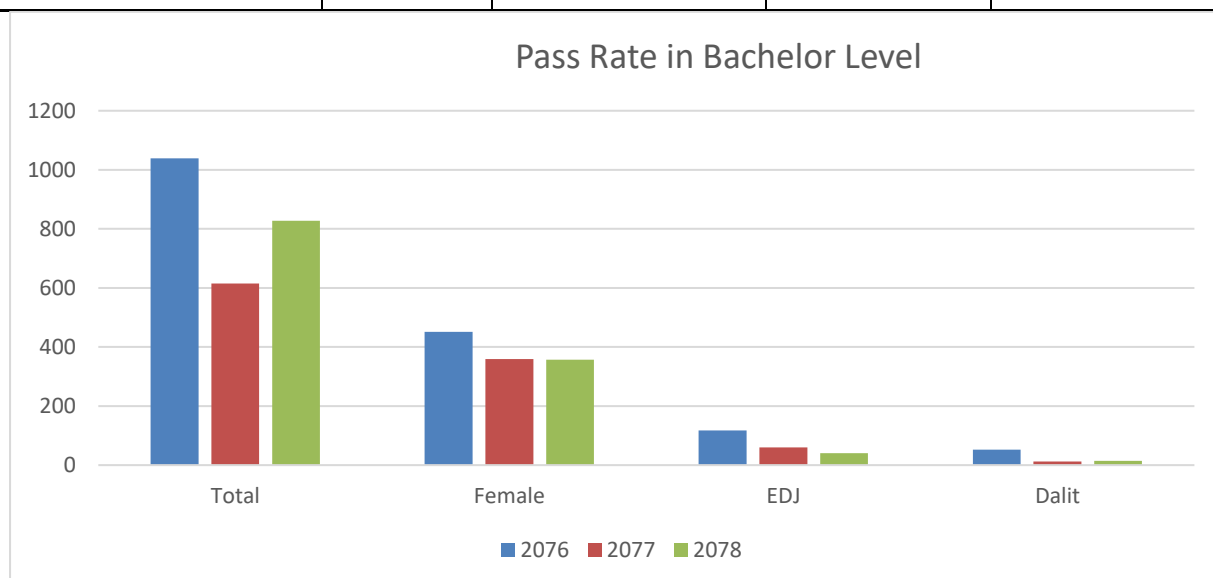
<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>BBS 1st Year</i>	123	58	16	12
<i>BBS 2nd Year</i>	133	63	18	9
<i>BBS 3rd Year</i>	224	79	23	16
<i>BBS 4th Year</i>	283	73	19	14
<i>BBM 1st Semester</i>	66	49	14	0
<i>BBM 3rd Semester</i>	58	30	1	0
<i>BBM 5th Semester</i>	53	35	7	1
<i>BBM 7th Semester</i>	51	32	1	0
<i>BBA-FA 1st Semester</i>	48	32	18	0
<i>Total</i>	1039	451	117	52

Bachelor Level, Year 2077

<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>BBS 4th Year</i>	280	161	31	7
<i>BBM 1st Semester</i>	38	25	3	1
<i>BBM 3rd Semester</i>	70	41	12	0
<i>BBM 5th Semester</i>	64	36	2	0
<i>BBM 7th Semester</i>	57	31	6	1
<i>BBM-A 1st Semester</i>	37	17	2	1
<i>BBA-FA 2nd Semester</i>	37	25	2	0
<i>BMS 1st Semester</i>	32	23	2	2
<i>Total</i>	615	359	60	12

Bachelor Level, Year 2078

<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>BBS 2nd Year</i>	177	61	4	2
<i>BBS 3rd Year</i>	221	93	11	5
<i>BBM 3rd Semester</i>	46	17	3	1
<i>BBM 5th Semester</i>	65	26	2	0
<i>BBM 7th Semester</i>	77	41	3	2
<i>BBM-A 1st Semester</i>	36	22	2	0
<i>BBA-FA 3rd Semester</i>	61	34	3	1
<i>BBA-FA 5th Semester</i>	79	39	2	0
<i>BMS 1st Semester</i>	65	24	11	3
<i>Total</i>	827	357	41	14



The number of passed students in Bachelor Level has increased in 2078 BS in comparison to 2077 BS since due to COVID-19 the pass ratio of the students had impacted in the year 2077 BS. However, the number of passed female, EDJ and Dalit is still stable.

Masters Level (MBS), Year 2076

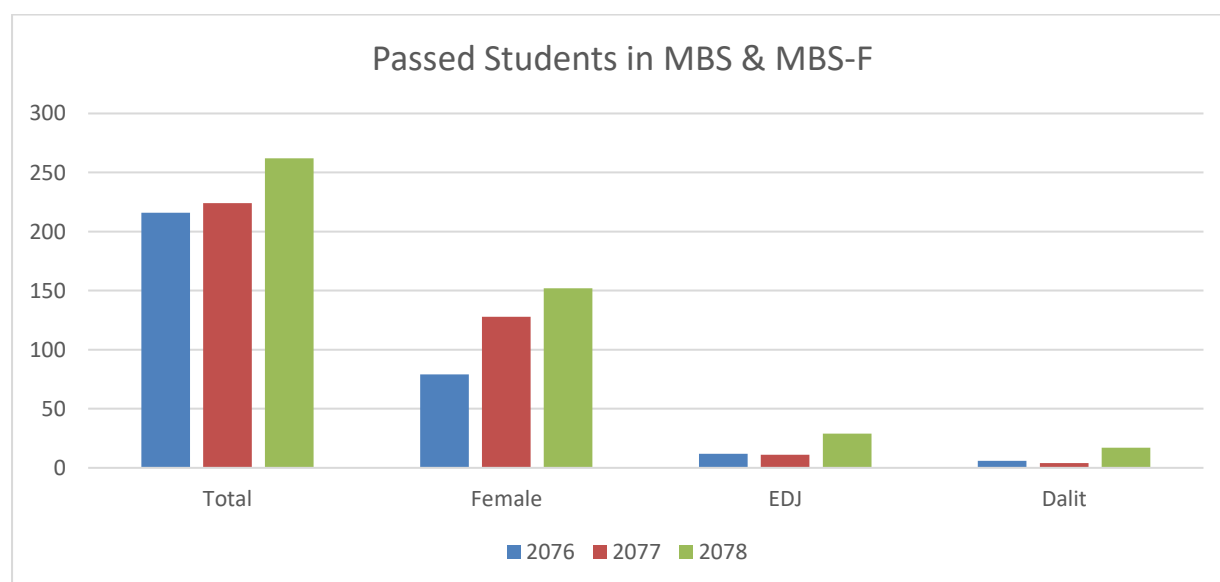
<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBS 1st Semester</i>	125	53	7	4
<i>MBS 3rd Semester</i>	91	26	5	2
<i>Total</i>	216	79	12	6

Masters Level (MBS), Year 2077

<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBS 2nd Semester</i>	92	48	6	2
<i>MBS 4th Semester</i>	86	57	2	2
<i>MBS 1st Semester</i>	46	23	3	0
<i>Total</i>	224	128	11	4

Masters Level (MBS & MBS-F), Year 2078

<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBS 2nd Semester</i>	87	51	8	5
<i>MBS 3rd Semester</i>	107	67	13	7
<i>MBS-F 1st Semester</i>	25	11	3	2
<i>MBS-F 3rd Semester</i>	43	23	5	3
<i>Total</i>	262	152	29	17



Masters Level, Year 2076 MBA-BF

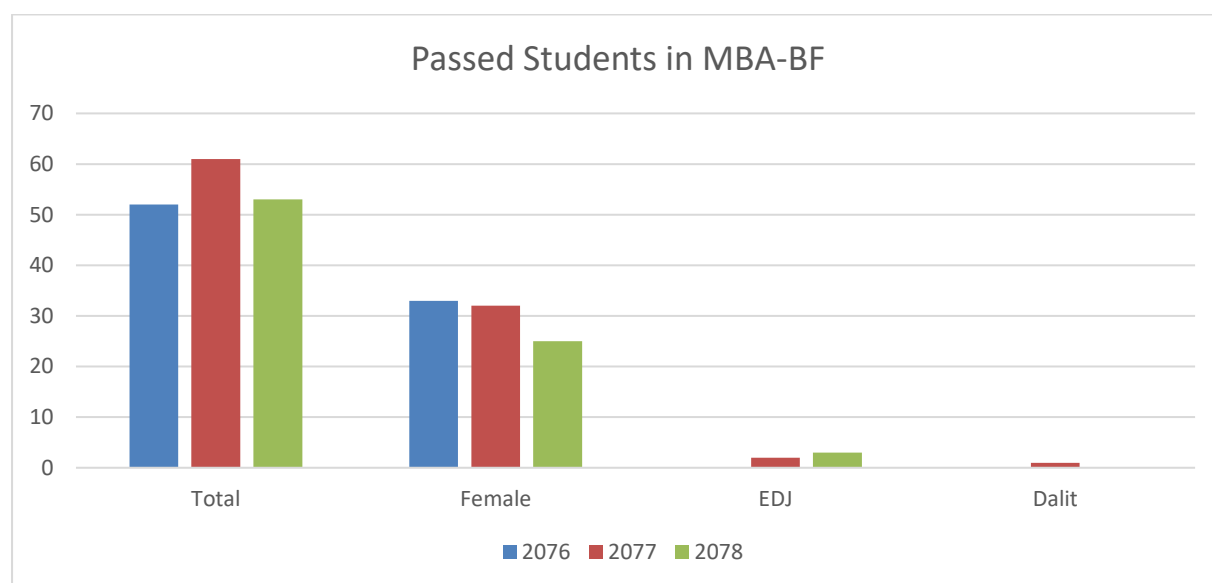
<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBA-BF 1st Semester</i>	20	11	0	0
<i>MBA-BF 3rd Semester</i>	32	22	0	0
<i>Total</i>	52	33	0	0

Masters Level, Year 2077 MBA-BF

<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBA-BF 2nd Semester</i>	32	17	1	0
<i>MBA-BF 4th Semester</i>	29	15	1	1
<i>Total</i>	61	32	2	1

Masters Level, Year 2078 MBA-BF

<i>Year</i>	<i>Total</i>	<i>Female</i>	<i>EDJ</i>	<i>Dalit</i>
<i>MBA-BF 1st Semester</i>	27	14	2	0
<i>MBA-BF 3rd Semester</i>	26	11	1	0
<i>Total</i>	53	25	3	0



The number of passed students in Master Level has been found satisfactory. However, the Campus has to do a lot of efforts to improve the pass percentage.

A
Report
on
Upgradation of Education Management Information System
(EMIS)

Lumbini Banijya Campus (LBC) is on the verge of upgrading its Education Management Information System (EMIS). At present, LBC is using the software provided by Systematic Software for maintaining and operating the accounting system, library system, examination system and student management system.

As far as the usability of software is concerned, the system is satisfactory for library department and better for accounting department. But on contrary, the system is not functioning as per the requirement of examination department and for the purpose of student information management. The required functions for keeping the student records such as their internal examination progress, university examination data, graduation profile etc, is not available in the current system. The examination system is just utilized for the admission purpose of the student and collecting their basic information. Thus, the software in use at the college is satisfactory for the accounting and library purpose but is not appropriate for student information management purpose which is our basic requirements at present. The concerned users of the systems and the IT department of campus has continuously approached and worked in close coordination with the vendor, Systematic Software, to meet these requirements, but they are not able to incorporate the functionalities as required in the campus EMIS.

Because of these problems faced, the campus has decided to shift its EMIS System from Systematic software to the Smart College Software which is based on the cloud service provided by Crossover Solutions. For this, the campus has already registered the domain on its name: <https://www.lumbinibanijya.edu.np> . The development of the system is in progress. In the first face of the development, our primary requirement,

the examination system and student information management system has been completed and the transfer of required data of running student has been done. It is now on the trial so that the necessary feedback can be given to vendor.

The second face of development that is library system and accounting system is on the process. The system contains some basic functionality of accounting and library but these functionalities won't meet the campus requirements and is not feasible for operation because of the need to manage more than 4,000 students. So the main task now for the campus is to integrate library and accounting solutions to the system. The work is on progress under the coordination of Crossover Solution representatives, system users and IT department of the Campus. On the part of Crossover Solutions, they have agreed to give complete solution as required by the end of Mangsir, 2077. As far as the environment will be favorable, the complete system as required should be ready by the specified time.

Some of the key features of the current system under implementation are as follows:

Student Admission: Powerful student admission form, add 40+ records for students including previous College details, Add students siblings, EDJ, IDs, and multiple documents to maintain complete record in student profile.

Fees Collection: Most advanced fees collection module available on envato market. Not just invoicing complete fees configuration including fees types, fees groups, fees master, fees/discount allotment, fees fine, due date etc. .

Add Siblings: Smart College supports to add any number of siblings at time student admission. Parent can check their all children in one parent account.

Search Students: Search by class, section or any keyword like student name, admission no., father name, id. No.

College Expense: Record College expense like electricity bill, telephone bill, miscellaneous bill etc.

Student Attendance: Manage student attendance smartly in few clicks. Get attendance report monthly class- section wise.

Examination: Complete examination management from exam creation to exam schedule to marks entry to progress report with grades.

Exam Schedule: Schedule exams with start/end time, exam room, and full marks and pass marks.

Marks Register: Enter student marks for exam with exam attendance.

Marks Grade: Add marks range wise marks grade.

Download Centre: Manage downloadable content for students, teachers like syllabus, assignments, study material etc.

Library Management: Complete library management system with books add, members add, book issue/return etc.

Add Books in Library: Manage books with complete books inventory including details like ISBN, author, publisher, rack number, quantity, price, postdate etc. Add student/teacher member the issue/return books in one click.

Communicate: Send messages to students, parents, and teachers through notice board.

Student Report: Get Students report based on class-section, category, gender and RTE

Transaction Report: Get date range bound transaction report of fees collection and expense.

Attendance Report: Get attendance report monthly, class-section wise.

Exam Marks report: Get exam wise class-section marks report for every student with grand total, percentage and result.

SMS Gateways: Supports custom sms gateway to integrate and http based sms gateway.

Email Engines: Use smtp or send mail email engines to send emails for notifications.

Internet payment gateways: Add PayPal account details to collect payment online from parents abroad. Even add eSewa for payment collection.

Backup and Restore: Create backup of your database and restore any time from online or through upload backup file.

Parent Monitoring: Parent can see their children activity in single parent panel login, they can also make the payment online.

6 User roles with 6 different panels: 6 user's roles, Admin, Accountant, Teacher, Librarian, Parent and Student for their different Functionalities.

Homework document: Attach and download study documents.

Exam Marks Management: Manage exam marks of all students.

Aesthetically Designed UI: Aesthetically designed user interface in HTML 5, CSS3

Accounting: Trace student's fees and expenses all at a place along with creating Vouchers, Ledgers, Trial Balance and Balance Sheet

Submitted by:

EMIS Cell, Lumbini Banijya Campus

Asar, 2079

EDUCATION MANAGEMENT INFORMATION SYSTEM (EMIS)

REPORT

Since the establishment of Lumbini Banijya Campus (LBC) in 2038, the campus has always been thriving for bringing excellencies in its operation so that it can address the needs of highly demanded courses, and as well as the educational and informational needs of students, guardians, employees and other stakeholders. LBC has passed through many stages in this process. To support its operational activities, the campus has prioritized for digitization of the departments.

Formally, the campus used Systematic Software for supporting the account department from the local vendor Systematic Software Pvt. Ltd. For regulating the library department, Libra software was used. However, examination department was beyond the reach of technology. Both the Systematic Software and Libra were off the shelf software and were easy to impart for supporting account and library department with some customization. Such system for supporting the process of examination department was not readily available and had to develop completely new proprietary software. Some of the features like recording basic students' details and human resource details were supported by Systematic Software. Although, Systematic and Libra support account and library department respectively, they were independent of each other. They had their own individual database, and thus sharing of information was not made possible.

Still, the campus had different challenges for automation and digitization of all its operational activities. One fundamental challenge was to implement a centralized database and an integrated system that can support all the functional areas like examination, general administration, account and library.

Thus, initiative was taken in co-ordination with Systematic Software Pvt. Ltd., for development and implementation of integrated software. The centralized database was arranged and integrated software was installed supporting account and library department. After the integration of Library module within integrated software, Libra software was no more in use. Account and Library module of the system were fully functional. But for the implementation administration and examination module, the vendor could not provide us with appropriate solutions. The experimentation for including the features for administration and examination department run for some years but the outcome was a failure. Hence, the Campus had to terminate the contract with

the Systematic Software Pvt. Ltd. The new contract for implementing system was done with Crossover Solutions Pvt. Ltd. However, Crossover solution also could not provide us with the better solution for a year or two. Then, under the same contract, Sofwena Pvt. Ltd., a software company is supporting for the development and implementation of software to include necessary modules.

Till now, Sofwena had successfully implemented the modules of required functional departments within the integrated system according to the plan of phase I of system development. The feedback and correction of the existing system is on process for improving the system. As of phase II and phase II, Web Module and making necessary module accessible through the internet is to be implemented as of plan. Everything is as of plan but because of resource constraints, the implementation plan is delayed. The planning of system development is presented below:

WORK PLAN LBC CENTRAL CAMPUS MANAGEMENT SYSTEM

Phase I

- Implement the Core of the central system
- Implement Exam & Account System
- Migrate All the previous year data to new system
- Implementation of Billing Management System

Phase II

- Implementation of Library & Web Module
- Centrally connect all the modules and make accessible via public internet
- Review **Phase I** feedback and do updates as required.

Phase III

- Make all the module Accessible & Workable as plan
- Review the implemented features
- Start working on Extra Reports & Enhancement

MODULE TO BE INCORPORATED IN
LBC CENTRAL CAMPUS MANAGEMENT SYSTEM

1. Admin Module

1. Campus Information Management
2. Session and Year Management
3. Program & Its Progress Management
4. All Modules Users and Role Management
5. All Modules Reports and Statistics
6. All kinds of Administrative and External Reports

2. Account Module

1. Fiscal Year Management
2. Students Ledgers
3. All kinds of billing
4. Financial Reporting

3. Exam Module

1. Admission to Exam Management
2. Students Profile & History
3. Required Necessary Reports
4. Exam Schedule to Mark sheet Print

4. Library Module

1. Library Inventory Management
2. Book Issue, Receive & Fine Calculation
3. Student ID card, Barcode Scanning
4. Indexing to Barcode Generation

5. Web Module

1. Online Admission System
2. Online Library Access & See the history (OPAC)
3. Online Objective Exam Mechanism
4. Result Publish & Search By Student
5. Teacher Mark Entry
6. Efficient Username and Password system for Students and Teachers

PLANNING DIAGRAM OF LBC CENTRAL CAMPUS MANAGEMENT SYSTEM

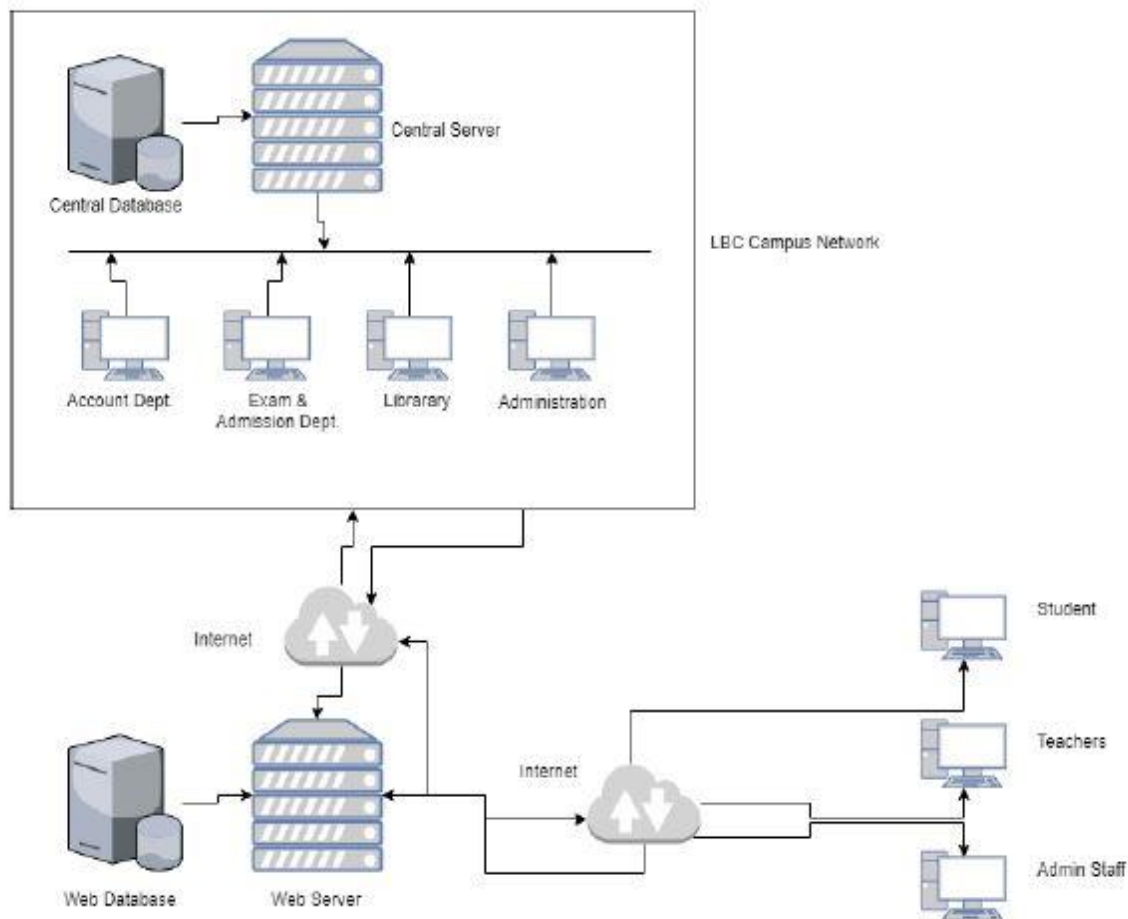


FIG: LBC Central Campus Management System Network Diagram

As of the above planning diagram of system, LBC campus network is successfully implemented except some minor issues which are being solved and in improvement process as feedbacks received from users. Whereas Web Module implementation is on schedule after complete effective campus network implementation.

INTERNET AND WIFI

On realization of the need of internet and Wi-Fi facilities, for teaching and learning process, the campus has taken the service from Worldlink (50 MBPS international bandwidth and 250 MBPS local bandwidth). One Firewall, two switches, external access point, internal access points have been installed in different blocks of the campus. The network deployment diagram is presented below:

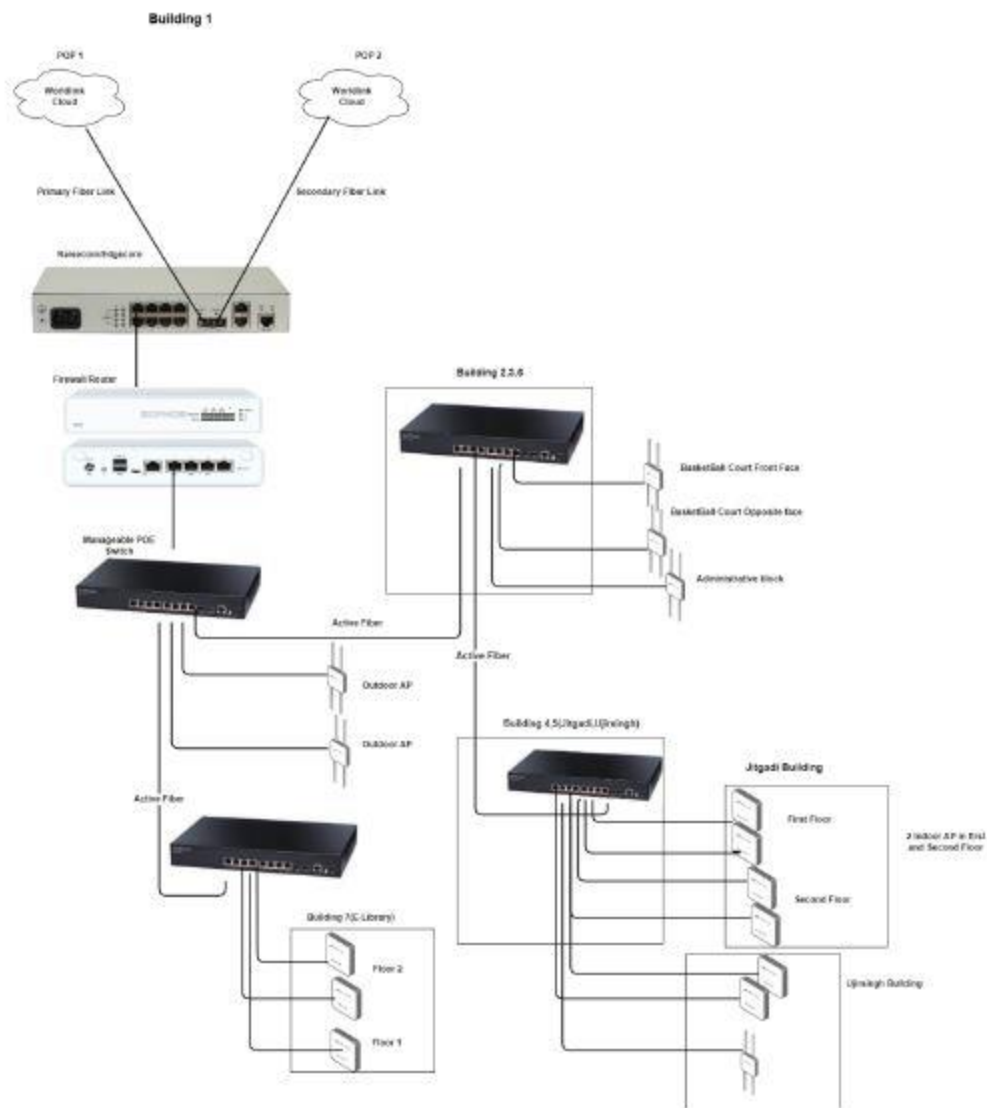


Figure: General Network Deployment