

CHAITANYA MULTIPLE CAMPUS

HIGHER EDUCATION MANAGEMENT INFORMATION SYSTEM

A REPORT
2082/2083(2025/2026)



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FOREWORD

It is with great pleasure and enthusiasm that we introduce the Education Management Information System (EMIS) report published by Chaitanya Multiple Campus, in accordance with the guidelines set forth by the University Grants Commission (UGC) of Nepal. This report is a testament to our collective commitment to enhancing the educational quality of our campus and promoting effective management practices within the institutions. In an era of rapid technological advancement, it is crucial for educational institutions to harness the power of information systems to streamline their operations, improve decision-making processes, and enhance overall efficiency. The EMIS report serves as a comprehensive guide, shedding light on the vital role that technology plays in educational management, and providing invaluable insights into its implementation and benefits. The UGC has been instrumental in setting the standards and guidelines for educational institutions in Nepal, ensuring that they align with global best practices while catering to the unique needs and challenges of our country. Fostering a culture of innovation and continuous improvement within the higher education sector, their commitment to promoting best practices and embracing technology as an enabler of change is instrumental in propelling Nepal's educational landscape forward.

Through the development and publication of this EMIS report, Chaitanya Multiple Campus has demonstrated its unwavering dedication to upholding these standards and contributing to the advancement of the education sector. This report highlights the significance of an effective educational management information system. It encompasses various aspects, including data collection, storage, analysis, and reporting, as well as the integration of technology to support decision-making and resource allocation. The EMIS report is a culmination of the collective efforts, expertise, and experiences of the academic community at the campus. It serves as a valuable resource for management committee and stakeholders who seek to optimize the institutions' operations, enhance accountability, and improve student outcomes. By harnessing the power of information systems, we can bridge the gap between data and decision-making, empowering educational leaders to make informed choices that positively impact the educational ecosystem.

Finally, we would like to take this opportunity to thank all those involved and contributed in collection, compilation and preparation of this report. MDC appreciated valuable feedbacks

and suggestions from readers to improve the quality and coverage of the report in the coming years.

Juju Bhai Manandhar

Campus Chief

Raj Bhai Manandhar

Chairman

Campus Management Committee

ACKNOWLEDGEMENT

We express our sincere gratitude to Mr. Juju Bhai Manandhar Campus Chief, and Raj Bhai Manandhar CMC Chairman as well as all the CMC Members of Chaitanya Multiple Campus for believing in us and giving the task of preparing this report. We are particularly thankful to all cells, faculty and staff members, students and guardians who diligently provided the necessary data and information for the EMIS report. Their cooperation and promptness in responding to queries have been instrumental in the timely completion of the report. We express our appreciation to the management and leadership team for their guidance and support throughout the preparation of the EMIS report. Their vision and commitment to quality education have laid the foundation for our campus's success.

Lastly, we would like to thank everyone who has contributed in any way to the EMIS report but may not be explicitly mentioned here. Your efforts have been instrumental in the compilation of this report, which will serve as a valuable resource for informed decision-making and strategic planning. Your dedication and hard work have been pivotal in achieving this milestone.

EMIS Cell

EXECUTIVE SUMMARY

This annual EMIS report 2082/083 (2025/26), shows the status of higher education in Chaitanya Multiple Campus (CMC). CMC an academic institution for higher studies Comprises of 2 faculties and 3 different programs. It has different unit to carry out academic and administrative work. It is offering both Master and Bachelor level program in different faculty. Since the university has adopted the concept of semester system, CMC also had worked accordingly. The total number of student enrolled were 228 in the year. Faculty of Education has higher number of student enrollment. Similarly, BBS and B.Ed. program holds majority of students enrolled. Out of the students enrolled, 80% are female students. It shows that women enrollment in the year was overwhelming. In every program, female enrollment is higher. GPI of the campus is 4. The GPI of Bachelor 4.25 and GPI of the Master's level is 3.27. It shows GPI in bachelor level is higher than Master level.. On the basis of program, B.Ed. has higher GPI i.e. 7.46.

The total number of graduates for the year was 10. Out of which Bachelor level comprises of higher graduates than Master level. Bachelor's level occupied 77.62% of the enrolled students in 2081/082 (2024/25). Masters level has just 22.38% enrollment at the campus. In both programs female enrollment is larger than male enrollment The largest numbers of students have been enrolled from Kavrepalanchok and Ramechhap, Sindhuli, Sindhupalchok and others.

ABBREVIATIONS AND ACRONYMS

HHEMIS	Higher Education Management Information System
B.Ed	Bachelor in Education
BBS	Bachelor in Business Studies
LOI	Letter of Intent
QAA	Quality Assurance and Accreditation
EDN	E-Digital Nepal
TU	Tribhuvan University
CMC	Chaitanya Multiple Campus
UGC	University Grant Commission
GPI	Gender Parity Index

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SECTION 1

INTRODUCTION OF REPORT

Chaitanya Multiple Campus (CMC) has compiled essential statistical information regarding higher education (both Bachelor's and Master's levels) through its annual HEMIS report. This report provides a comprehensive overview of the higher education landscape at CMC, to offer valuable data for planning, policymaking, program design, and resource allocation, particularly for CMC.

CMC implemented the Education Management Information System (EMIS) under the Second Higher Education Project in 2014. The system aims to deliver up-to-date information about the campus's education system. The primary objective of this report is to offer stakeholders accurate, timely, and reliable data.

The report contains information about various aspects of the higher education institution (CMC), including student enrollment, graduation rates, Gender Parity Index (GPI), faculty and staff (both teaching and non-teaching), academic departments and programs, research and publications, as well as the physical status of the campus.

1.1 Organization of the Report

The report consists of 13 different sections. The first section provides an introduction to the report, while the second section offers background information on the campus's faculties and departments. The third section covers the physical aspects of the campus, and the fourth section provides details about the teaching and non-teaching staff. Section five discusses the research and publication activities at the campus. Section six outlines the various scholarships provided by CMC. Section seven presents trends in student enrollment. Section eight highlights the GPI of the campus. Section nine examines the ethnicity and gender-based status of students. Section ten provides records of pass-out students, while section eleven discusses graduate students for the fiscal year 2080/081. Section twelve reports on the number of drop-out students in the same fiscal year.

1.2 Methodology

This report was prepared with direct and indirect contributions from various campus faculty, departments, and administrative sections. Data were collected from CMC's EMIS software, along with inputs from various academic and administrative divisions. The gathered data are presented in simple tables and figures as required. Descriptive statistics have been used for analyzing and presenting the data.

Chaitanya Multiple Campus (CMC) consists of two faculties, each offering exceptional teaching, learning, and research opportunities across a broad range of fields. The campus is recognized for its academic excellence in various disciplines, attracting students from across the country.

SECTION 2

FACULTY/LEVEL OFFERED

Chaitanya Multiple Campus (CMC) has 2 Faculties. Each offers excellent teaching learning and research environments in a wide-ranging variety of fields. Its academics offer excellence across

2.1 Faculty of Education

CMC's Faculty of Education is a leading institution for producing skilled and forward-thinking educators and teacher trainers. The Faculty of Education (FOE) plays a pivotal role in teacher education in Nepal. This faculty offers various programs, including a four-year Bachelor of Education (B.Ed.) with specialization English, Nepali, Mathematics Economics, History, Political Science, Health Education and Population, aimed at training teachers, teacher educators, and other essential human resources for the country's education sector. .B.Ed program is established on 2048/9/22.

2.2 Faculty of Management

The faculty of Management at CMC is dedicated to providing higher education to students interested in academic and professional careers in business, industry, and government. The department focuses on nurturing dynamic and innovative entrepreneurs capable of advancing the socio-economic development of Nepal through business and industry. The Management program began offering a Bachelor's degree in Commerce 2070/7/28

2.3 Courses Offered

CMC's academic departments produce highly qualified graduates in many fields of study. The following courses are available for students, with syllabi prescribed by the Curriculum Development Centre of Tribhuvan University:

Bachelor's Level (4 Years, Annual System)	Master's Level (2 Years, Semester System)
Bachelor in Business Studies (BBS)	Master of Education.
Bachelor of Education (B.Ed.)	-

SECTION 3

PHYSICAL ASPECT OF THE CAMPUS

3.1 Land and Building

Total Land Area	1-12-1-1 (In Ropani)
Total Number of building	03

Now in this campus, there are three RCC building. These buildings are we called Building A, B and C respectively. Building A has six stories, B building has 3 stories and Building C has of 5 stories. Other details are as follows.

3.2 Campus Physical structure

Campus infrastructure refers to the physical facilities and structures that make up a school, college, or university campus. This includes buildings like classrooms, libraries, dormitories, sports facilities, administrative offices, and other essential structures such as parking lots, pathways, and outdoor spaces. Campus infrastructure plays a critical role in supporting the academic, social, and extracurricular activities of students and faculty, contributing to a conducive environment for learning and development. Image below shows the physical infrastructure of Chaitanya Campus.

Fiscal Year
2082/83



Chaitanya Multiple Campus

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Physical Infrastructure Report

1.	Land And Building	i) Total Land Area: 1.0 Ropani 12 Ana 1 Paisa 1 Dam (In Ropani/kattha)	Does campus have the land ownership certificate: Yes
		ii) No. of Buildings: 3	ix) Ownership of Land: Own <input checked="" type="checkbox"/> Rent <input type="checkbox"/> Lease <input type="checkbox"/> Others <input type="checkbox"/>
		iii) Total Area covered by Building 9689.96.(In Total Sq. Feet)	x) Ownership of Building: Own <input checked="" type="checkbox"/> Rent <input type="checkbox"/> Lease <input type="checkbox"/> Others <input type="checkbox"/>
		iv) No. of Class Rooms: 22	xi) Adequacy of Buildings: Yes xii) Adequacy of Class rooms: Yes
		v) Total Area covered by Class Room (In Total Sq. Feet)	xiii) Toilet (Male & Female): Yes. xiv) Drinking water facility: Yes
		vi) Total Number of Labs: 2	Does campus have the Play Ground: Yes
		vii) Number of Science Lab:	Does campus have the Hostel facility (Male/Female): No
		viii) Total Area covered by Lab 3800.(In Total Sq. Feet)	
2.	Furniture	i) No. of Desks and Benches: 369 ii) No. of Tables and Chairs: 206 iii) No. of Cabinets: 7 iv) Others: 1	
3.	Equipments	i) No. of Computers: 54	
		ii) No. of Printers: 7	
		iii) No. of Fax Machines:	
		iv) No. of Photocopy Machines: 5	
		v) No. of Overhead and Multimedia Projectors: 19	
		vi) Internet: Available vii) Speed of Internet: 10/10 mbps with 30/30 local	

3.3 Educational Aids, Furniture, Equipment and Library

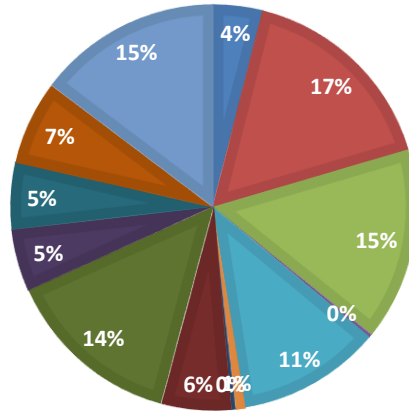
The campus is trying to manage these educational aids. Although they are not sufficient as need to effective teaching and learning. Now we have an audio-visual class room with multimedia projector, in each class room white boards have been replaced instead of black boards, there is four computers with internet facility in library, one multimedia computer lab with twenty-four computers with internet facility, five interactive smart boards, a separate library with more than 19045 books (Library record given on 2082/06/20), from which the students as well as teachers have grabbed the opportunity to study additional materials & books. The furniture is of 10,95,894.60 (NR Ten Lakhs Ninety-Five Thousand Eight Hundred Ninety-Four rupees and Sixty paisa) available excluding depreciation cost. And in yr. 2082/083 Similarly, we have office equipment and materials of 17,71,483.64 (Rs. Seventeen lakhs Seventy-One Thousand Four Hundred Eighty-Three rupees and Sixty-Four paisa).

Books, Journals, Reference materials (Quantity and cost)

Subjects	Total Books up to 2082/083	Total Cost 081/082	Addition on 2082/083	Total Books up to 2082/083	Total Cost
Economics	743	8475	5	748	1910
Education	3120	34925	25	3145	8105
English	2902	168453	14	2916	3661
Geography	61	0	0	61	0
Health &Phy Ed	2185	34556	0	2185	0
History	141	1998	0	141	0
Law	64	0	0	64	0
Mathematics	1056	14275	0	1056	0
Nepali	2668	127490	19	2687	3342
Science	944	0	0	944	0
Miscellaneous	1014	4392	2	1016	810
Management	1278	132333	5	1283	2405
M.Ed Books	2799	139703	0	2799	0
Total	18975	666600	70	19045	20233
Grand Total					666600+20233=686833

CHART TITLE

- Economics
- Education
- English
- Geography
- Health &Phy Ed
- History
- Law
- Mathematics
- Nepali
- Science
- Miscellaneous
- Management
- M.Ed Books



SECTION 4

FACULTY AND STAFF DETAILS

This section provides information about the number of teachers in different faculty as per degree and position. Chaitanya Multiple Campus places a high priority on creating an environment that enables teaching and non-teaching staff to perform their best job. The campus appreciates the contributions of all its faculty members in making the campus a top public higher education institution. The faculty members are driven by cross-disciplinary collaboration and form a community on campus that produces ideas that enrich human life. They do their best innovative work as they also prepare the next generation of scholars. The faculty members are categorized in the order of faculties, departments and positions of the faculty members.

4.1 Number of faculty members

Particulars	Academic Qualification				Grand
	PhD	M. Phil	Master's	Bachelor's	Total
Professor					
Associate Professor/Reader					
Assistant Professor/Lecturer		4	15		19
Teaching Assistant/Instructors					
Full Time Teachers (Total)		4	15		19
Professor					
Associate Professor/Reader					
Assistant Professor/Lecturer			15		15
Teaching Assistant/Instructors					
Part Time Teachers (Total)			15		15
Total		4	30		34

4.1 Number of members of the non-teaching staff of the institution at present:

Particulars	Disadvantaged / Janajati		Others		Grand Total
	F	T	F	T	
Administrative Staff	5	8	0	0	8
Technical Staff	0	0	0	0	0
Total	5	8	0	0	8

SECTION 5

RESEARCH AND PUBLICATIONS

Over the past few years, Chaitanya Multiple Campus became a major research institution that engages its faculty members and students in research activities. Both young faculty members and students (Bachelor's and Master's Level) at the campus are encouraged to take advantage of a wide range of research opportunities. Each faculty at the campus provides support to students engaged in Master's Level research and provide orientations on how to conduct research and write reports. The students have the opportunity to work alongside experienced faculty members in a variety of settings. This committee was established as a centre to serve the faculty members and students to enhance their academic and research capabilities and to provide resources for conducting research activities. In addition, the campus has also establish research and Publication committee This committee publishes multi disciplainary “Chaitanya Research journal” and “ chaitanya Jyoti” The current research and publication committee comprises the following members:

1. Coordinator: Asst Prof. Gnawali
2. Member: Asst Prof.Tika Ram Ghimire
3. Member: Asst Prof. Lekh Prasad Pnta

Recently (in this year 2025), this committee published a peer reviewed multidisciplinary Chaitanya Research Journal volume 3, ISSN 2738-974X,(Both online & print)and This journal is also avilable in NepJol. The committee also published Chaitanya Jyoti,2081.

SECTION 7

STUDENT ENROLLMENT INFORMATION

The enrollment report is from Chaitanya Multiple Campus, located in Banepa-8. It provides details about students enrolled in a Bachelor of Education, Bachelor of Business Studies and Master of English program under Tribhuvan University. The report includes student information such as: Roll Number, Name, District, Local Address, Caste/Ethnicity, Gender, Age, Registered Year, University & Faculty, Level & Program, Year/Semester, Mobile Number, Email, Parent's Name and Contact Information.


The displayed data shows students from different districts like Kavrepalanchok and Ramechhap, Sindhuli, Sindhupalchok and other district with diverse caste backgrounds including different ethnic groups. The report is generated for the fiscal year 2081/082 and includes a filtering option for newly joined students.

7.1 Student Enrollment

Fiscal Year*

 Newly Joined

Home > Print



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Student Enrollment Report

SN.	Campus Name	Roll No.	Student Name	District	Local Address	Caste Ethnicity	Gender	Age	Registered Year	University	Faculty	Level	Program	Year/Semester	Mobile No.	Email	Parent Name
1.	Chaitanya Multiple Campus	7	Aayusha K.c	Kavrepalanchok	-	Kahatriya	FEMALE	22	2080	Tribhuvan University	Management	Bachelor	Bachelor in Business Studies	3rd year	9860001111		Shyam Sundar K.
2.	Chaitanya Multiple Campus	10	Alisha Mijar	Kavrepalanchok	Banepa	Dalit	FEMALE	20	2082	Tribhuvan University	Management	Bachelor	Bachelor in Business Studies	1st year	9803361234		
3.	Chaitanya Multiple Campus	5	Anjali Lama	Kavrepalanchok	-	-	FEMALE	20	2082	Tribhuvan University	Management	Bachelor	Bachelor in Business Studies	1st year	9709192313		
4.	Chaitanya Multiple Campus	16	Anjali Tamang	-	-	Tamang	MALE	20	2082	Tribhuvan University	Management	Bachelor	Bachelor in Business Studies	1st year	9762270667		
5.	Chaitanya Multiple Campus	13	Asmita Tamang	Kavrepalanchok	Banepa Municipality-01, Kavrepalanchok, Bagmati, Nepal	Tamang	FEMALE	19	2082	Tribhuvan University	Management	Bachelor	Bachelor in Business Studies	1st year	976111323		

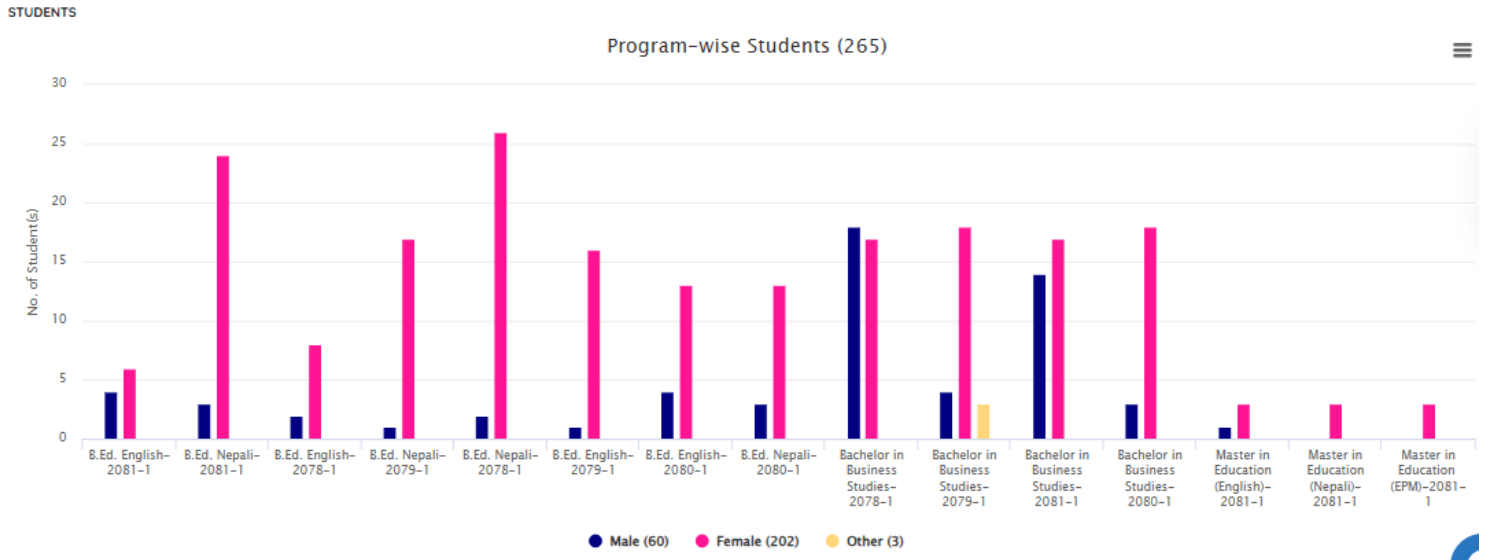


Fig. 2: Student Enrollment Graph

7.1 Student Enrollment annual system

1. A) STUDENT ENROLMENT: Annual System

Student Enrolment In Current F.Y: 2082/83																																				
Level	Program Name	1st Year								2nd Year								3rd Year								4th Year								Grand Total (1+2+3+4)		
		Total (1)	Others*		EDJ*		Dalit		Madhesi		Total (2)	Others*		EDJ*		Dalit		Madhesi		Total (3)	Others*		EDJ*		Dalit		Madhesi		Total (4)	Others*		EDJ*			Dalit	
Bachelor	B.Ed. English	0	0	0	0	0	0	0	0	0	5	2	1	1	1	0	0	0	0	17	1	15	0	1	0	0	0	5	0	4	0	1	0	0	0	27
	B.Ed. Nepali	0	0	0	0	0	0	0	0	0	13	0	8	0	2	0	3	0	0	11	1	10	0	0	0	0	0	7	0	7	0	0	0	0	0	31
	Bachelor in Business Studies	16	2	6	2	1	1	2	0	2	7	2	4	0	0	0	1	0	0	11	1	12	0	0	0	0	0	1	1	0	0	0	0	0	0	37
Grand Sub Total		16	2	6	2	1	1	2	0	2	25	4	13	1	3	0	3	1	0	41	3	37	0	1	0	0	0	13	1	11	0	1	0	0	0	95

Fig. 3: Student Enrollment annual system

7.2 Student Enrollment Semester system

1.B) STUDENT ENROLMENT: Semester System (Please choose Odd/Even Semester)

Student Enrolment In Current F.Y: 2082/83											Student Enrolment In Current F.Y: 2082/83										
Semester	Program Name: Master in Education (English)										Semester	Program Name: Master in Education (Nepali)									
	Total	Others*		EDJ*		Dalit		Madhesi		Total		Total	Others*		EDJ*		Dalit		Madhesi		Total
1st	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3rd	1	1	0	0	0	0	0	0	0	1	3	0	3	0	0	0	0	0	0	0	3
4th	4	2	2	0	0	0	0	0	0	2	8	2	5	0	0	0	1	0	0	2	6
Grand Sub Total		5	3	2	0	0	0	0	0	3	11	2	8	0	0	0	1	0	0	2	9

Student Enrolment In Current F.Y: 2082/83											Student Enrolment In Current F.Y: 2082/83										
Semester	Program Name: Master in Education (EPM)										Semester	Program Name: Master in Education (Math)									
	Total	Others*		EDJ*		Dalit		Madhesi		Total		Total	Others*		EDJ*		Dalit		Madhesi		Total
1st	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2nd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3rd	2	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
4th	8	5	2	0	0	1	0	0	0	6	0	0	0	0	0	0	0	0	0	0	
Grand Sub Total		10	5	4	0	0	1	0	0	6	0	0	0	0	0	0	0	0	0	0	

If campus has more than one semester programs copy the above table and fill them accordingly.
 *: Educationally disadvantaged janajatis. List of EDJ are given at the end of the form. EDJ is defined as janajati groups with literacy rates below the national average.

Fig 4. Student Enrollment Semester system

SECTION 8

GENDER PARITY INDEX (GPI)

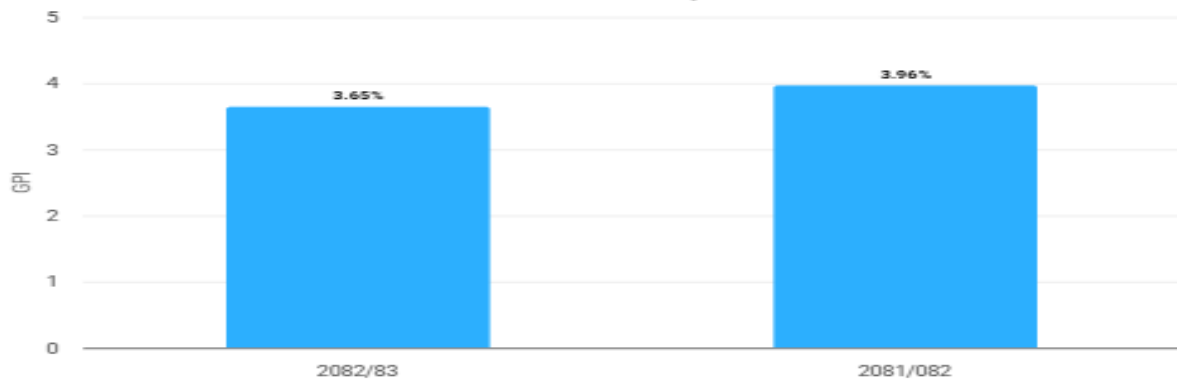


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GPI - GENDER PARITY INDEX

1. Year-Wise

Year	Male	Female	Total	GPI
2082/83	26	95	121	3.65
2081/082	46	182	228	3.96

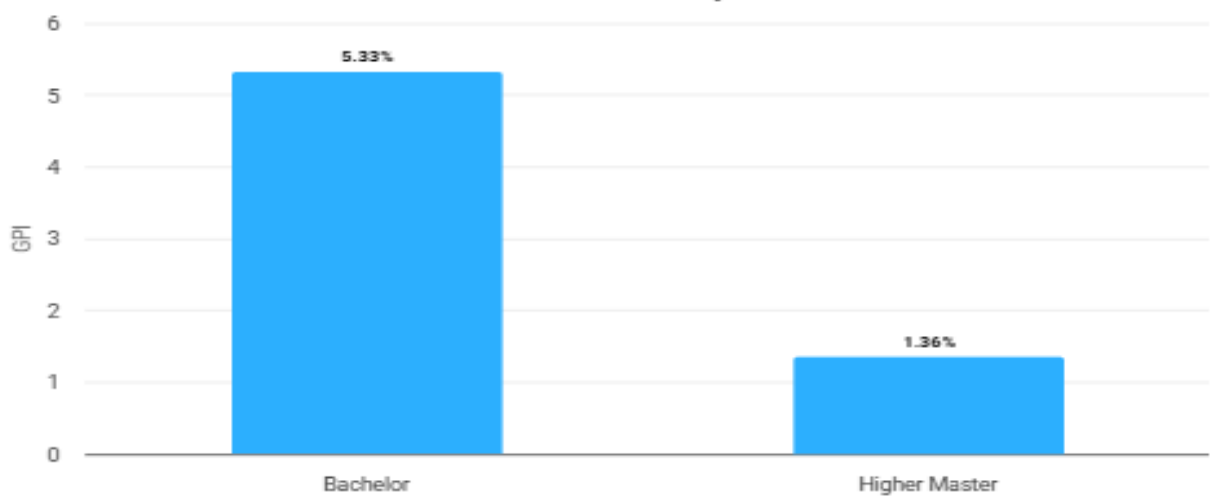
Year-Wise GPI Report



2. Level-Wise

Level	Male	Female	Total	GPI
Bachelor	15	80	95	5.33
Higher Master	11	15	26	1.36

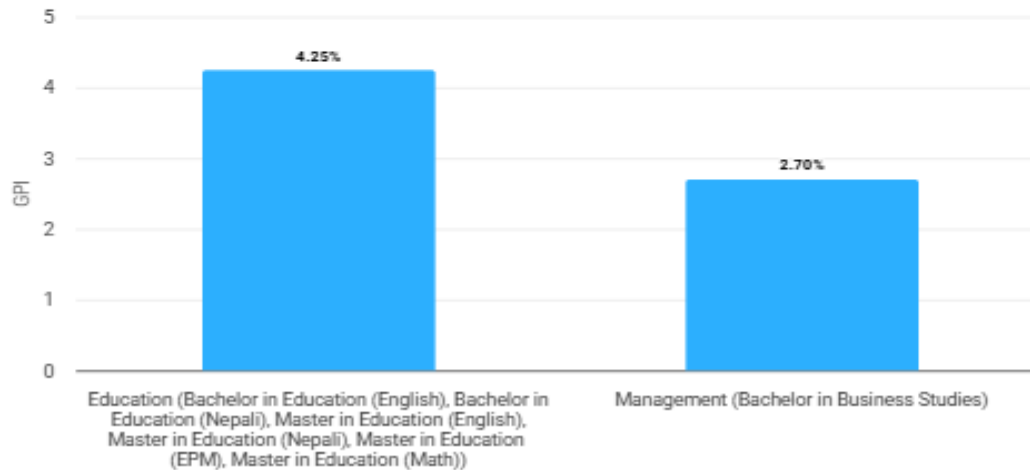
Level-Wise GPI Report



3. Faculty-Wise

Faculty	Male	Female	Total	GPI
Education (Bachelor in Education (English), Bachelor in Education (Nepali), Master in Education (English), Master in Education (Nepali), Master in Education (EPM), Master in Education (Math))	16	68	84	4.25
Management (Bachelor in Business Studies)	10	27	37	2.7

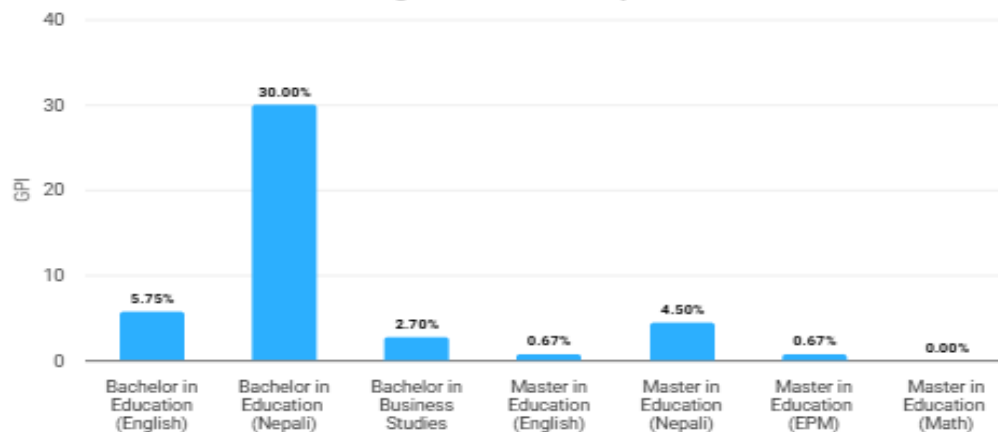
Faculty-Wise GPI Report



3. Program-Wise

Program	Male	Female	Total	GPI
Bachelor in Education (English)	4	23	27	5.75
Bachelor in Education (Nepali)	1	30	31	30
Bachelor in Business Studies	10	27	37	2.7
Master in Education (English)	3	2	5	0.67
Master in Education (Nepali)	2	9	11	4.5
Master in Education (EPM)	6	4	10	0.67
Master in Education (Math)	0	0	0	0

Program-Wise GPI Report



SECTION 9

STUDENT BY FACULTY AND GENDER

The student enrollment data for fiscal year 2082/083 focuses on the Management and Education faculty. Visual representations like a stacked bar chart could highlight this distribution, with blue for male and pink for female students. Pie charts would show the exclusive presence of students in Management and Education and the gender imbalance favoring female students. This report emphasizes the gender distribution within the Management and Education faculty, providing insights for further analysis or comparison across faculties.

9.1 Student by Faculty and Gender

Total Student by Faculty and Gender

SN.	Faculty	Male	Female	Other	Total
1.	Management	10	27	-	37
2.	Education	16	68	-	84

Faculty and Gender Wise Total Student

Fig 5: Student by Faculty and Gender

Faculty and Gender Wise Total Student

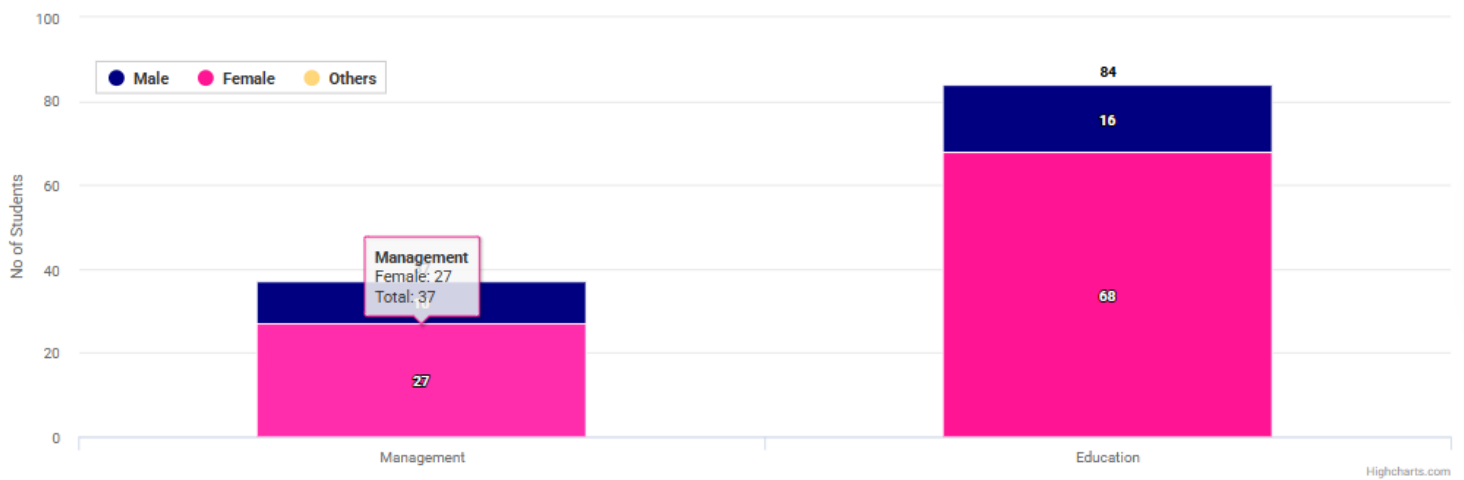
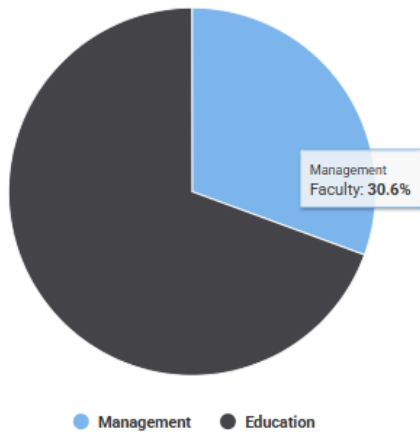


Fig 6: Student by Faculty and Gender (Bar Graph)

Faculty Wise Total Student



Gender Wise Total Student

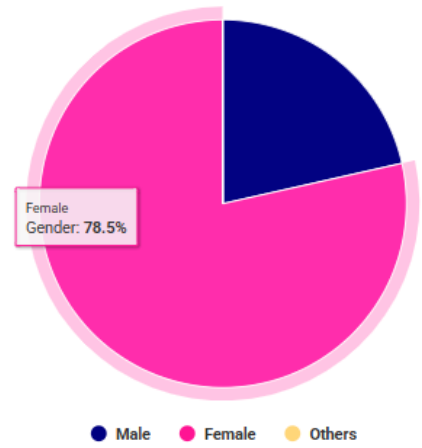


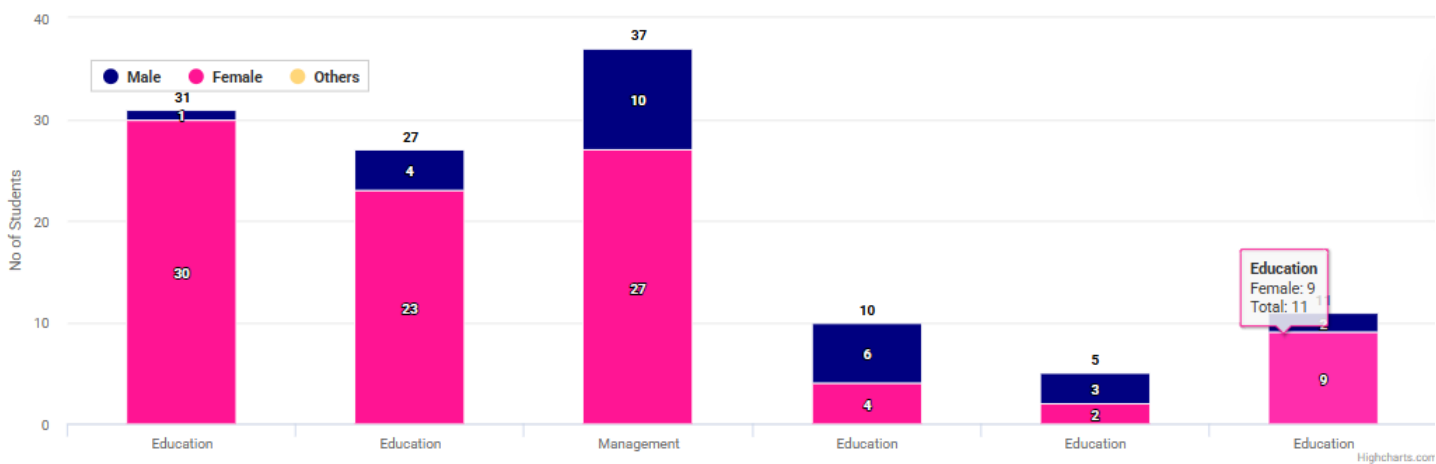
Fig 7: Student by Faculty and Gender (Pie-chart)

9.2 Student by Faculty, Program and Gender

Total Student by Faculty and Gender

Search

SN.	Faculty	Level	Program	Male	Female	Other	Total
1.	Education	Bachelor	B.Ed. Nepali	1	30	-	31
2.	Education	Bachelor	B.Ed. English	4	23	-	27
3.	Management	Bachelor	Bachelor in Business Studies	10	27	-	37
4.	Education	Higher Master	Master in Education (EPM)	6	4	-	10
5.	Education	Higher Master	Master in Education (English)	3	2	-	5
6.	Education	Higher Master	Master in Education (Nepali)	2	9	-	11



9.3 Student by Faculty and Ethnicity

The data dashboard for Chaitanya Multiple Campus offers an analytical view of student demographics, categorized by faculty, caste, and ethnicity. It includes an interactive filter panel for refining data by Fiscal Year, Faculty, Level, Program, and Caste/Ethnic Group, alongside search and export options for ease of use. A table provides detailed enrollment figures across the Education and Management faculties, broken down by caste and ethnicity, including groups like Dalit, Janjati, Madhesi, Tharu, and EDJ. Visual tools, such as bar and pie charts, summarize key insights: the bar chart compares faculty-wise and caste-wise student distribution, while the pie charts illustrate overall faculty distribution and the proportional representation of caste and ethnic groups. This dashboard integrates structured data and visuals to effectively represent student enrollment and demographics.



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Total Student by Faculty, Caste and Ethnicity

SN.	Faculty	Dalit	Janajati	Madhesi	Tharu	EDJ	Total
1.	Education	5	42	-	-	6	53
2.	Management	3	13	3	-	3	22

Fig 8: Student by Faculty/Caste/Ethnicity

Faculty and Ethnic Cast Wise Total Student

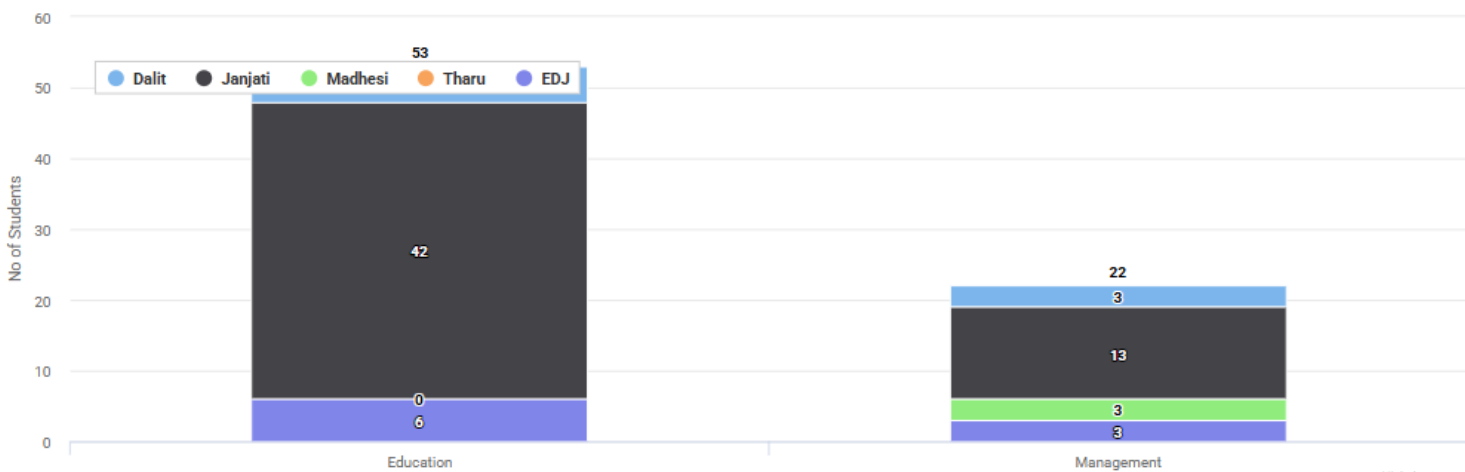


Fig 9: Student by Faculty/Caste/Ethnicity (Bar- graph)

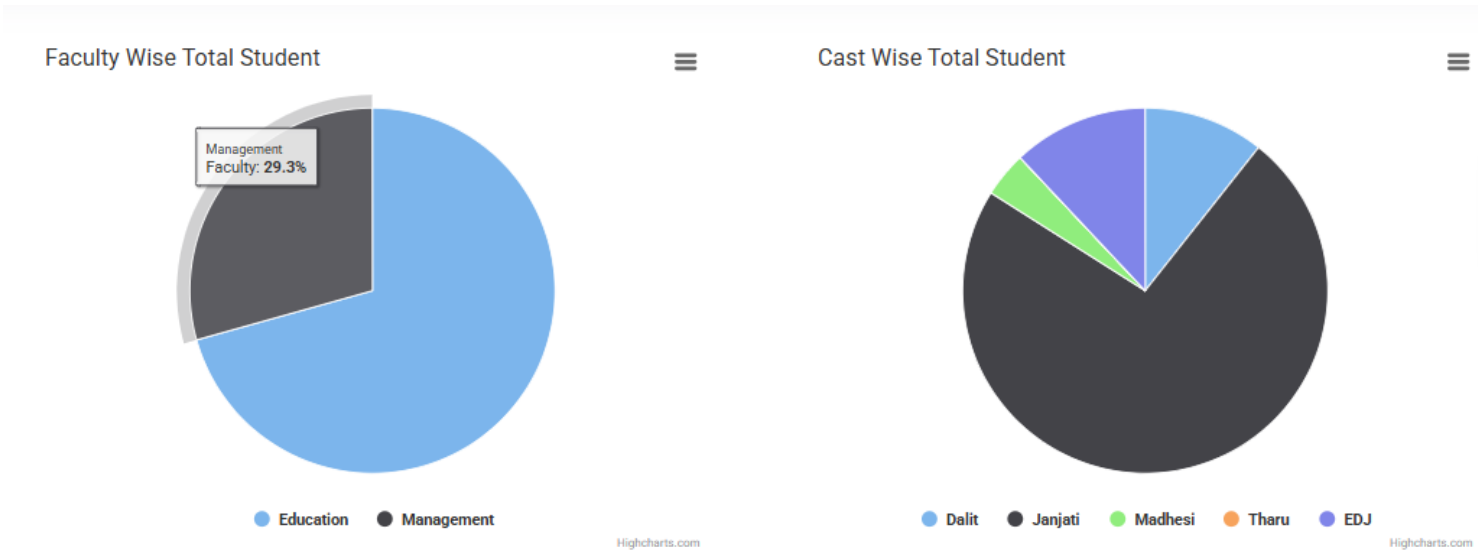



Fig 10. Student by Faculty/Caste/Ethnicity (Pie-Chart)

9.1 Student by Faculty, Program, Level and Ethnicity

The image displays a computer screen showcasing a webpage from Chaitanya Multiple Campus. The webpage features a table titled “Total Student Enrollment by Faculty and Gender”, presenting a breakdown of student admissions based on faculty, academic level, and gender distribution.

Table Overview: The table comprises several columns, including Serial Number (SN), Age Group, Faculty, Level, Program, Male, Female, Other, and Total.

Interface Features: The platform includes filtering options that allow users to refine the data based on fiscal year, faculty, level, and program. Additional checkboxes are available for selecting “Include Age Group” and “Graduated Only” to further customize the displayed information.




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Total Student by Faculty, Caste and Ethnicity

Search

SN.	Faculty	Level	Program	Dalit	Janajati	Madhesi	Tharu	EDJ	Total
1.	Education	Bachelor	B.Ed. English	5	42	-	-	6	53
2.	Management	Bachelor	Bachelor in Business Studies	3	13	3	-	3	22

Fig 11. Student by Faculty, Program and Level



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Total Student by Faculty and Gender

Search

SN.	Age Group	Faculty	Level	Program	Male	Female	Other	Total
1.	15-25.	Education	Bachelor	B.Ed. Nepali	1	30	-	31
2.	15-25.	Education	Bachelor	B.Ed. English	4	23	-	27
3.	15-25.	Management	Bachelor	Bachelor in Business Studies	10	27	-	37
4.	26-40.	Education	Higher Master	Master in Education (EPM)	6	4	-	10
5.	26-40.	Education	Higher Master	Master in Education (English)	3	2	-	5
6.	26-40.	Education	Higher Master	Master in Education (Nepali)	2	9	-	11

Fig 12. Student by Faculty, Program and Level with age group

9.2 Student Gender and Caste


The image shows a digital dashboard from Chaitanya Multiple Campus, part of a student management system for tracking enrollment by faculty, level, gender, and caste.

Table: "Total Student by Faculty and Gender"

Lists enrollment across Education & Management faculties (Bachelor & Master levels), BBS (210 students) has the highest enrollment, while M.Ed. Nepali (18 students) has the lowest, Females outnumber males in all programs.

Filters: Fiscal year, faculty, level, program, gender, caste/ethnicity, Bar Chart: Student distribution by caste & gender (Janajati has a higher female count)., Pie Chart: Caste-wise distribution, with "Others" as the largest group.

The interactive interface allows refined data analysis, making it a comprehensive student demographic tool.



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Total Student by Faculty, Level, Program, Gender and Caste and Ethnicity

Search

SN.	Faculty	Level	Program	Dalit			Janajati			Madhesi			Tharu			EDJ			Total		
				Male	Female	Others	Male	Female	Others	Male	Female	Others	Male	Female	Others	Male	Female	Others	Male	Female	Others
1.	Education	Bachelor	B.Ed. English-2081-1	3	8	-	7	38	-	-	-	-	-	-	-	3	14	-	13	60	-
2.	Management	Bachelor	Bachelor in Business Studies-2079-1	1	2	-	1	12	-	1	2	-	-	-	-	2	1	-	5	17	-

Fig 13: Student Gender and Caste

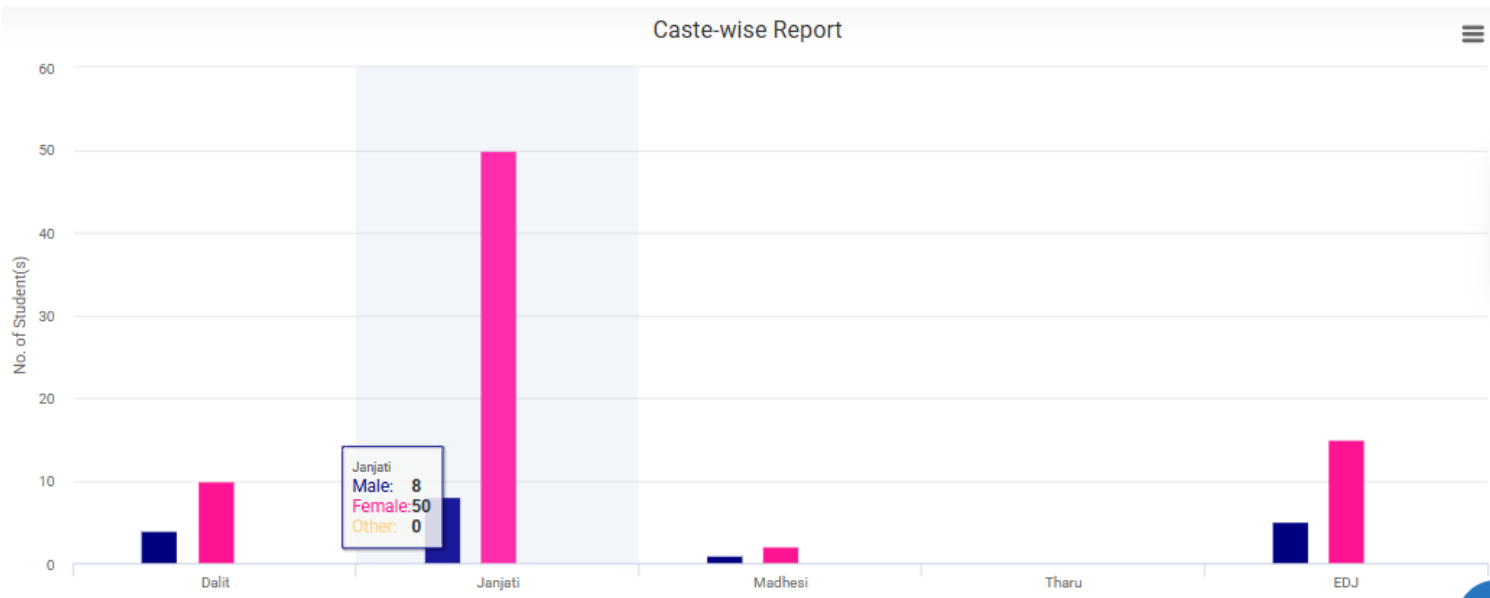


Fig 14: Student Gender and Caste (Bar-graph)

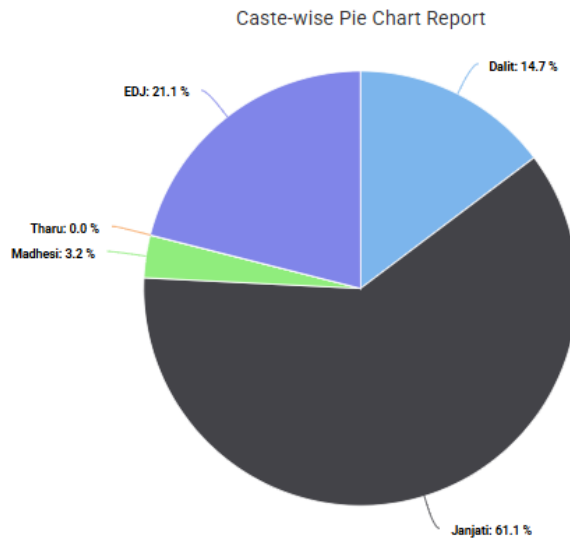


Fig 15: Student Gender and Caste (Bar-graph)

9.1 Address-wise Students

Fig 12. Student by Faculty, Program and Level (Bar-Graph) The image shows a document from Chaitanya Multiple Campus. The document is titled “ADDRESS-WISE STUDENTS” and provides a breakdown of the total number of students by faculty, level, program, and district/municipality. Details: Faculty: Education, Level: Bachelor, Program: All, Province: All, District: All, Municipality: All

The table in the document lists students by their respective districts/municipalities, faculty, level, and program. The columns include: S.No.: Serial number, Faculty: All entries are “Education”, Level: All entries are “Bachelor” Program: Includes “B.Ed. English” and “B.Ed. Nepali”, District/Municipality: Lists various locations such as Sarlahi, Dhanusha, Sindhuli, Ramechhap, Dolakha, Kavrepalanchok, Bhaktapur, Kathmandu, Lalitpur, and others., Total:

The number of students in each category (though the numbers are not fully visible or clear in the image).

The document appears to be a statistical report summarizing student distribution across different regions and programs at the campus. The layout suggests it might be a printout from a spreadsheet or database system, with options for filtering by fiscal year, faculty, level, program, province, district, and municipality at the top.

Total Student by Faculty, Level, Program and District / Municipality					Search
SN.	Faculty	Level	Program	District	Total
1.	Education	Bachelor	B.Ed. Nepali	Dolakha	2
2.	Education	Bachelor	B.Ed. Nepali	Kavrepalanchok	23
3.	Education	Bachelor	B.Ed. English	Khotang	1
4.	Education	Bachelor	B.Ed. Nepali	Udayapur	1
5.	Education	Bachelor	B.Ed. Nepali	Sindhuli	1
6.	Education	Bachelor	B.Ed. English	Bhaktapur	1
7.	Education	Bachelor	B.Ed. Nepali	Pyuthan	1
8.	Education	Bachelor	B.Ed. English	Kavrepalanchok	20
9.	Education	Bachelor	B.Ed. English	Dhankuta	1
10.	Education	Bachelor	B.Ed. Nepali	Panchthar	1
11.	Education	Bachelor	B.Ed. English	Ramechhap	1
12.	Education	Bachelor	B.Ed. English	Sindhuli	2
13.	Education	Bachelor	B.Ed. English	Kathmandu	1
14.	Education	Bachelor	B.Ed. Nepali	Khotang	1
15.	Education	Bachelor	B.Ed. Nepali	Makwanpur	1
16.	Management	Bachelor	Bachelor in Business Studies	Sindhuli	1
17.	Management	Bachelor	Bachelor in Business Studies	Bara	1
18.	Management	Bachelor	Bachelor in Business Studies	Sindhuli	1

Fig 16. Address-wise Students

SECTION 10

PASS RATE OF STUDENTS

A **pass rate report of students** is a summary or analysis showing how many students have passed a particular exam, course, subject, or academic term. It helps educators, administrators, and other stakeholders understand overall academic performance and identify trends or areas needing improvement.

Report Includes: Faculty -wise Pass rate of Student in each faculty. Pass rate is calculated as per appeared and passed student in exam. This will help to identify the actual report of exam.

10.1 Exam appeared and passed total no. of students by faculty, level and program



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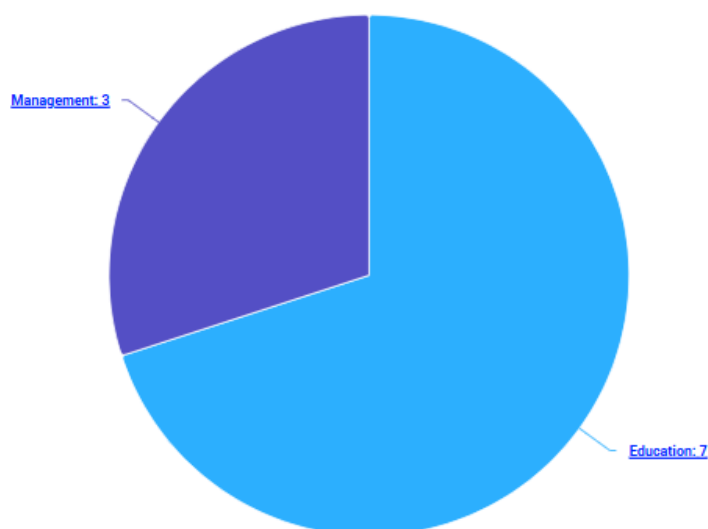
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Exam appeared and Passed Total no of students by faculty,level and program,gender

Search

S.N.	Exam	Faculty	Level	Program	Appeared			Passed			Total Appeared	Total Passed	Pass Rate (%)
					Male	Female	Other	Male	Female	Other			
1.	B. Ed 3rd Year English (077)	Education	Bachelor	B.Ed. English	1	11	0	1	4	0	12	5	41.67 %
2.	B.ED 1st YEAR ENG -2080	Education	Bachelor	B.Ed. English	0	8	0	0	2	0	8	2	25.00 %
3.	B. Ed 2nd Year(078)	Education	Bachelor	B.Ed. English	0	6	0	0	1	0	6	1	16.67 %
4.	B. Ed 3rd Year Nepali (077)	Education	Bachelor	B.Ed. Nepali	0	4	0	0	3	0	4	3	75.00 %
5.	BBS 1st Year Batch-2080	Management	Bachelor	Bachelor in Business Studies	1	6	0	0	0	0	7	0	0.00 %
6.	BBS 4th YEAR-2077	Management	Bachelor	Bachelor in Business Studies	0	3	0	0	2	0	3	2	66.67 %
7.	BBS 3rd YEAR-2078	Management	Bachelor	Bachelor in Business Studies	1	1	0	0	0	0	2	0	0.00 %
8.	M. Ed 2nd Semester Board English (079)	Education	Higher Master	Master in Education (English)	1	9	0	1	5	0	10	6	60.00 %
9.	M. Ed 2nd Semester Board Nepali (079)	Education	Higher Master	Master in Education (Nepali)	0	5	0	0	2	0	5	2	40.00 %
10.	M. Ed 2nd Semester Board EPM (079)	Education	Higher Master	Master in Education (EPM)	1	5	1	1	2	0	7	3	42.86 %

Faculty and Gender wise Student Pass Rate



Section 11

Graduated Reports

“Graduated Student By Faculty, Level and Program” report from Chaitanya Multiple for fiscal year 2082/083 is listed in the table including Columns: S.No, Roll No., Name, Caste, Gender, Faculty, Level.

11.1 Graduated Student by faculty, level and program

SN.	Roll No.	Name	Caste	Gender	Faculty	Level
1.	8	Jamuna Ghimire	-	FEMALE	Management	Bachelor
2.	6	Binita Giri	Kshatriya	FEMALE	Education	Bachelor
3.	57	Sabita Bisangkhe	Dalit	FEMALE	Education	Bachelor
4.	2	Rejina Chaulagain	Brahmin	FEMALE	Education	Bachelor
5.	22	Suni Maya Tamang	Janajati	FEMALE	Education	Bachelor
6.	49	Apsara Sorali	Janajati	FEMALE	Education	Bachelor
7.	47	Swastika Kingring Magar	Janajati	FEMALE	Education	Bachelor
8.	51	Ashok Tamang	Janajati	MALE	Education	Bachelor
9.	40	Sabina Shrestha	Janajati	FEMALE	Education	Bachelor
10.	9	Kapila Ghimire	Brahmin	FEMALE	Education	Bachelor
11.	-	Susmita Chaudhary	Madhesi	FEMALE	Management	Bachelor
12.	44	Soniya Waiba	Janajati	FEMALE	Education	Bachelor
13.	65	Masali Jeemba	Janajati	FEMALE	Education	Bachelor
14.	19	Sunita Nepali	Brahmin	FEMALE	Education	Bachelor

Fig 18: Graduated Student Details

Section 12

Dropout Students

The image is a “Dropout Students” report from Chaitanya Multiple Campus, for the fiscal year 2082/083. The report includes columns for campus name, roll number, district, local address, gender, age, registration year, university, faculty, level, program, semester, and dropout reason (not specified).

12.1 Dropout Students



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Student Dropout Report

Search

SN.	Campus Name	Roll No.	Student Name	District	Local Address	Caste Ethnicity	Gender	Age	Registered Year	University	Faculty	Level	Program	Year/ Semester	Mobile No.	Email	Parent Name	Parent Contact No.
1.	Chaitanya Multiple Campus	24	Aarati Ghalan	Kavrepalanchok	Banepa Municipality-06, Kavrepalanchok, Bagmati, Nepal	EDJ	FEMALE	19	2082	Tribhuvan University	Education	Bachelor	B.Ed. Nepali	1st year	9746442468			
2.	Chaitanya Multiple Campus	17	Alisha Kafle	Kavrepalanchok	Panauti Municipality, Kavrepalanchok, Bagmati, Nepal	EDJ	FEMALE	20	2082	Tribhuvan University	Education	Bachelor	B.Ed. Nepali	1st year	9762270605			
3.	Chaitanya Multiple Campus	3	Anjana Tamang	Kavrepalanchok	ROshi	EDJ	FEMALE	24	2082	Tribhuvan University	Education	Bachelor	B.Ed. Nepali	1st year	9810164995			
4.	Chaitanya Multiple Campus	25	Anusha Bishwokarma	Kavrepalanchok	Banepa Municipality-03, Kavrepalanchok, Bagmati, Nepal	Dalit	FEMALE	19	2082	Tribhuvan University	Education	Bachelor	B.Ed. Nepali	1st year	9762352697			
5.	Chaitanya Multiple Campus	22	Chandika Acharya	Kavrepalanchok	Banepa Municipality-09, Kavrepalanchok, Bagmati, Nepal	EDJ	FEMALE	32	2082	Tribhuvan University	Education	Bachelor	B.Ed. Nepali	1st year	9818912380			
6.	Chaitanya Multiple Campus	18	Karisma Malla	Bajura	Kavrepalanchok, Bagmati, Nepal	Janajati	FEMALE	20	2082	Tribhuvan University	Education	Bachelor	B.Ed. Nepali	1st year	9761108813			
7.	Chaitanya Multiple Campus	19	Lapsang Lama	Kavrepalanchok	Banepa Municipality-05, Kavrepalanchok, Bagmati, Nepal	EDJ	MALE	19	2082	Tribhuvan University	Education	Bachelor	B.Ed. Nepali	1st year	9761782609			

Fig 17: Dropout Students

12.2 Student Appeared in Exam


This report includes the number of student program wise who are appeared in exam in selected fiscal year. Report includes trend of total enrollment, appeared in exam and passed list from appeared list.

Fig 19: Student Appeared in Exam

12.3 Teacher/Staff Record

Report includes the list of employee/staff record on the basis of academic type: Academic/Non-Academic, Ethnic group, Appointment type and so on.

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Teacher / Staff Report

SN.	Name of the Employee	Type	Registered Year	Department	Gender	Blood Group	Phone	Email(Official/Personal)	Address
1.	Agni Prasad Gnawali 41 Assistant Professor	Academic	2068		MALE	A+	9851166364	cmcbanepa1@gmail.com agnis46@gmail.com	bhairavi
2.	Anil Thakur 41 Assistant Professor	Academic	2081		MALE	-	9840075517	cmcbanepa1@gmail.com cmcbanepa1@gmail.com	bara
3.	Bishnu Pandey (Ghimire) 41 Assistant Professor	Academic	2074		FEMALE	-	9843251524	cmcbanepa1@GMAIL.COM cmcbanepa1@gmail.com	karnali
4.	Chandra Kumar Subedi 41 Assistant Professor	Academic	2067		MALE	-	9849576868	cmcbanepa1@gmail.com chandrakumarsubedi72@gmail.com	Kavre
5.	Chandra Maya Shrestha 41 Assistant Professor	Academic	2073		FEMALE	-	9841106587	cmcbanepa1@gmail.com cmcbanepa1@gmail.com	Kavre
6.	Dev Manandhar 41 Administrator	Academic	2081		MALE	O+	9841006223	cmcbanepa1@gmail.com devmdhr@gmail.com	Kavre

Fig 20: Teacher/Staff List









Name of the Employee	Type	Department/HOD	Blood Group	Rank	Phone	Email (Official/Personal)
 Agni Prasad Gnawali 41 Assistant Professor	Academic Permanent		A+		9851166364	cmcbanepa1@gmail.com agnis46@gmail.com
 Anil Thakur 41 Assistant Professor	Academic Part Time		-		9840075517	cmcbanepa1@gmail.com cmcbanepa1@gmail.com
 Bishnu Pandey (Ghimire) 41 Assistant Professor	Academic Permanent		-		9843251524	cmcbanepa1@GMAIL.COM cmcbanepa1@gmail.com
 Chandra Kumar Subedi 41 Assistant Professor	Academic Part Time		-		9849576868	cmcbanepa1@gmail.com chandrakumarsubedi72@gmail.com
 Chandra Maya Shrestha 41 Assistant Professor	Academic Part Time		-		9841106587	cmcbanepa1@gmail.com cmcbanepa1@gmail.com
 Dev Manandhar 41 Administrator	Academic Permanent		O+		9841006223	cmcbanepa1@gmail.com devmdhr@gmail.com
 Ganga Ram Kadel 41 Assistant Professor	Academic Part Time		-		9842684637	cmcbanepa1@gmail.com kadelgangaram1@gmail.com
 Hari Priya Regmi 41 Assistant Professor	Academic Permanent		-		9849572155	cmcbanepa1@gmail.com haripriyaregmi@gmail.com

Fig 21: Designation wise Employee report

12.4 Teacher Student Ratio

The **teacher-to-student ratio** refers to the number of teachers available for every student in a given educational setting. Report expressed as a ratio, such as 1:5, which means one teacher for every 5 students. A lower ratio generally indicates more personalized attention for students, as each teacher has fewer students to manage, while a higher ratio can suggest a larger class size, potentially limiting individualized support for students. This ratio is an important factor in evaluating the quality of education and the effectiveness of learning environments.



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Teacher Student Ratio

S.N	Program	Total Teacher	Total Student	Teacher Student Ratio
1.	B.Ed. English-2081-1	2	10	1 : 5
2.	B.Ed. Nepali-2081-1	3	28	3 : 28
3.	B.Ed. English-2078-1	2	10	1 : 5
4.	B.Ed. Nepali-2079-1	6	20	3 : 10
5.	B.Ed. Nepali-2078-1	1	28	1 : 28
6.	B.Ed. English-2077-1	3	25	3 : 25
7.	B.Ed. English-2079-1	3	19	3 : 19
8.	B.Ed. English-2080-1	1	17	1 : 17
9.	B.Ed. Nepali-2077-1	4	39	4 : 39
10.	Bachelor in Business Studies-2078-1	3	35	3 : 35
11.	Bachelor in Business Studies-2079-1	1	28	1 : 28
12.	Bachelor in Business Studies-2077-1	3	23	3 : 23
13.	Bachelor in Business Studies-2080-1	4	21	4 : 21
14.	Master in Education (English)-2080-1	3	7	3 : 7
15.	Master in Education (EPM)-2080-1	1	12	1 : 12
16.	Master in Education (Nepali)-2081-1	1	4	1 : 4
17.	Master in Education (EPM)-2081-1	1	2	1 : 2

Fig: 22:Teacher/Student Ratio

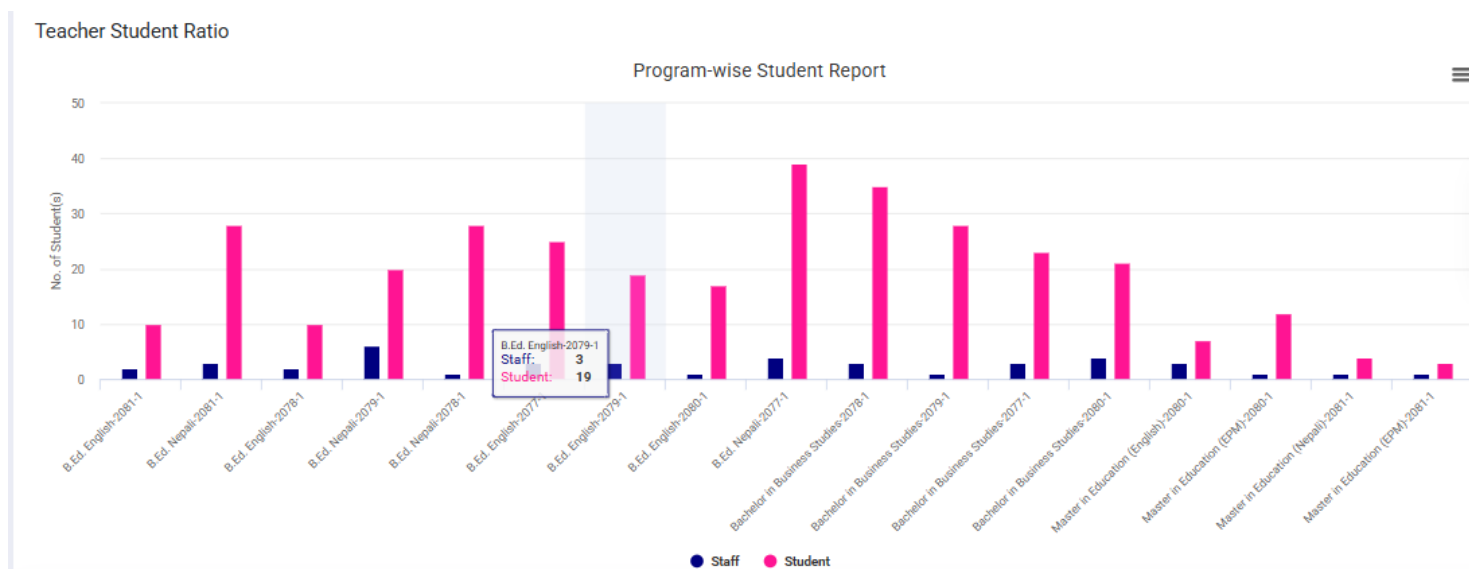


Fig: 23:Teacher/Student Ratio

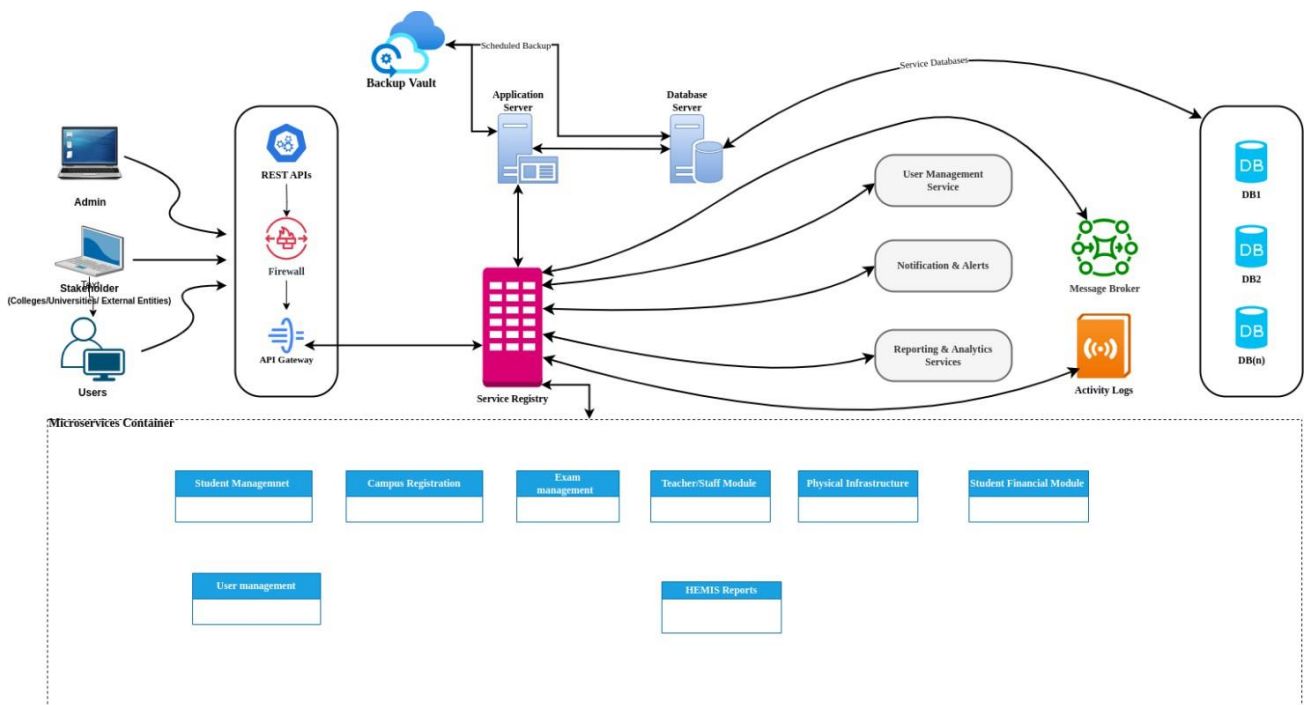
SECTION 13

ABOUT HEMIS, CAMPUS MANAGEMENT & SOFTWARE

13.1 Report Preparation

Report preparation is challenging for us because, to prepare this report, required data were collected from various sources, including faculty, Level, Departments, Programs, Campus Administration, the QAA Unit of EDN, the Student Council of the Campus, and others sources. The data was mainly extracted from the campus's software, which is used to manage the overall data of the campus, including student, Employee, Financial transaction, library, Academic information, exam related information, and may more. Other tools used to collect data included survey forms, emails, phone calls, and personal visits to sources. The collected data were then presented in tabular format in a spreadsheet.

- The data were inserted into the standard spreadsheet format of the campus.
- From the spreadsheet, the data were uploaded to the database using a database tool.
- From the aggregate table, summary tables required to prepare the report were generated.
- These summary tables were analyzed and interpreted.



* Each service in our HEMIS system will have its own database, with SQL or NoSQL chosen based on specific requirements for data management.

Fig 25: System Architecture

13.2 About Campus

Chaitanya Multiple Campus (CMC) is a community-based public institution dedicated to providing non-profit, service-oriented education. Located in the prime area of Banepa Valley, 25 km east of Kathmandu, it was established on 15th Mangshir 2048 B.S. (1st December 1991 A.D.) under the affiliation of Tribhuvan University (T.U.). The campus was founded with the sincere efforts of experienced teachers, educationists, and social workers in Banepa, with the goal of offering accessible and affordable higher education. As there were no constituent campuses in the district at the time, one of the main aims of the campus was to provide easy access to higher education and produce quality human resources to meet the needs of the local community and the country.

The establishment of the campus was influenced by the 1990 People's Movement (Jana Andolan) for the restoration of democracy, which inspired the local community to set up a college to offer various faculties of higher education in Banepa. By 1990, the increasing number of students at Tribhuvan University's constituent campuses led to a policy shift that allowed affiliations with both public and private sector campuses. As a result, CMC received affiliation and began offering PCL and Bachelor-level classes at Chaitanya Secondary School.

CMC has been providing opportunities for higher education to students from geographically isolated, economically disadvantaged, and socially marginalized communities in Kavre, Ramechhap, Sindhupalchowk, Sindhuli, and other districts. In 2062 Poush, it became the first campus in Kavre to offer M.Ed. programs in EPM, Maths, English, and Nepali. With over 25 years of history, CMC has played a significant role in the educational development of the region.

The primary financial source of the campus comes from student fees, along with regular grants from the University Grant Commission (UGC) since its establishment. While the campus has worked on developing its physical infrastructure, it faces challenges due to rising expenses and salary increases, which have hindered improvements in academic quality. Therefore, reforms in the academic system are needed.

This annual report highlights various aspects of the campus, including academic progress (such as student enrollment trends, pass rates, and graduate outcomes), physical and financial progress (including audit observations), social advancements, issues and challenges, as well as the annual work plan, projected plans, and budget based on the campus's strategic plan.

13.3 Objective of HEMIS

The primary objectives of (Higher Education Management Information System) are to provide accurate, timely, and reliable data to stakeholders, supporting decision-making, policy formulation, and educational quality improvement. enhances data accessibility, monitors student performance, and aids in resource management, ensuring efficient operations. It also helps in policy planning, promotes transparency and accountability, and supports compliance with reporting standards. By centralizing educational data, enables better management, improved academic outcomes, and effective communication across all campus stakeholders.

13.4 Key Functions of HEMIS

1. **Campus Network and Internet Services Management:** The section is responsible for managing the campus network to ensure seamless connectivity for all departments and students. This includes overseeing the library network, providing easy access to digital resources, and maintaining the efficient operation of library services. The section also manages the computer lab servers to ensure all systems are up-to-date and functioning smoothly. Additionally, it addresses issues related to campus internet services, ensuring uninterrupted access for both academic and administrative purposes.
2. **Digital Presence Enhancement:**
 - The section boosts the campus's digital presence by managing social media platforms like Facebook and LinkedIn.
 - It also oversees the campus's official website, ensuring that it is regularly updated with relevant information.
3. **Official Document Management:**
 - The section handles most of the campus's official document-related tasks, such as letter typing, notice creation, and Employee and Student Document management, Academic and Financial document management.
 - It also prepares various reports, including result compilations, and maintains records of letters received from external organizations.
4. **Student Enrollment and Demographics:** The report provides detailed information about student enrollment, including ethnicity and gender statistics. This data is crucial for understanding the demographic makeup of the student body and addressing enrollment disparities. The Gender Parity Index (GPI) is used to measure gender balance and ensure equal educational opportunities for male and female students.
5. **Academic Performance:** The report includes data on graduation rates, dropout records, and pass percentages across various faculties and programs. This

information helps assess student performance and identify areas for improvement. By analyzing this data, the campus can implement strategies to reduce dropout rates and improve academic outcomes.

6. **Teaching and Non-Teaching Staff:** The report provides comprehensive data about the qualifications, experience, and roles of teaching and non-teaching staff. This ensures that the campus maintains a qualified and experienced workforce, contributing to quality education delivery.
7. **Academic Departments and Programs:** The report includes information about the various academic level and programs along with subjects and credit hours offered at the campus with approved date, start date. This helps assess the diversity and quality of educational opportunities available to students and provides insights into the strengths and areas of improvement for each department. It assists department heads in preparing yearly plans to enhance their department's performance and improve student outcomes.
8. **Research and Publication:** Research and publication are key aspects of higher education. The report includes data on faculty and student research activities and publications, highlighting the campus's contributions to the academic community. Promoting research enhances the campus's reputation and provides valuable opportunities for students.
9. **Physical Status of the Campus:** The report includes details about the campus's physical infrastructure, such as land, buildings, classrooms, laboratories, internet, computers, chair, bench and other facilities. This information is important for assessing the adequacy of the infrastructure and planning future developments. Well-maintained facilities are essential for creating a conducive learning environment.
10. **Technical Assistance:** The section plays a critical role in providing technical support to departments, students, teachers, and staff. This includes managing the campus network, library network, computer labs, and internet services, ensuring that all technical aspects of the campus run smoothly and support academic and administrative activities.
11. **Enhancing Digital Presence:** In the digital age, maintaining a strong online presence is essential. The section enhances Chaitanya Multiple Campus's digital visibility by managing social media accounts and ensuring the campus website is regularly updated with relevant information. This helps promote the campus and keeps stakeholders informed about the latest developments.
12. **Document Management:** The section is responsible for managing official documents, including letter typing, notice creation, proposal writing, and report preparation. By handling these tasks efficiently, it ensures the smooth operation of the campus's administrative functions.
13. **Student Exam Enrollment and Graduation**

Student Exam Registration and Graduation are key processes in an academic journey.

- **Exam Registration** involves students enrolling for exams based on their completed courses, paying any required fees, and receiving exam schedules. After exams, students can access their results through the registration system.
- **Graduation** marks the completion of a program, where students must fulfill academic requirements, apply for graduation, and participate in a verification process. Once verified, they can attend a graduation ceremony and receive their degree or diploma.

Both processes ensure that students successfully complete their academic requirements and are recognized for their achievements.

13.5 Conclusion:

The establishment of at Chaitanya Multiple Campus has greatly contributed to the improvement of the campus's educational system. By providing accurate, timely, and reliable data, supports decision-making and enhances the overall quality of education. It plays a crucial role in managing the campus network, enhancing digital presence, and handling official documents. Through continuous improvements in its services, the section ensures that Chaitanya Multiple Campus remains a leading institution in higher education.

13.6 About HEMIS Software

Chaitanya Multiple Campus has greatly improved its educational and administrative operations with the implementation of a sophisticated Education Management Information System () developed by E-Digital Nepal Pvt. Ltd, a software company based in Kathmandu. This all-inclusive system integrates an Academic, Employee, and Library. Student, Program, Batch, physical structure an Accounting & Billing System, and an Admission & Examination System, working together to streamline College management

13.7 Development and Integration

The system developed by E-Digital Nepal Pvt. Ltd. is tailored to meet the diverse needs of the campus. It integrates essential modules, including the Library Management System, Accounting & Billing System, Notice, Leave, Case/Complain, SMS Alert, E-Attendance, and Admission & Examination System, Dynamic Website and Online Entrance portal providing a unified and efficient solution for College management. This integration enables real-time data sharing and synchronization across different departments, greatly enhancing operational efficiency. Furthermore, the software is designed in compliance with UGC requirements. User can access their data from anywhere and anytime as per permission granted.

13.8 Academics Management System:

13.8.1 Program/ Faculty/ Batch/ Year-Semester: Program/faculty/batch and year/semester wise student list with gender, ethnicity, DOB, Address, Disability Status, Nationality and many more.







Name of the Student ↑	Roll No./ID Number ↑	Birthday ↑	Address	Program/Sec.	Current Guardian	Blood Group	House
 Alisha Mijar CMCAM56982 9803361234	10 -	2062-08-03 B.S. 2005-11-18 A.D.	Dhulikhel	Bachelor in Business Studies-2082-1 - A Tribhuvan University 1st year	Bikash Mijar 9813025140	-	
 Anjali Lama CMCAL55182 9709192313	5 -	2062-01-24 B.S. 2005-05-07 A.D.	Temal	Bachelor in Business Studies-2082-1 - A Tribhuvan University 1st year	Gunjaman Lama 9818166349	-	
 Anjali Tamang CMCAT58382 9762270667	16 -	2062-06-05 B.S. 2005-09-21 A.D.		Bachelor in Business Studies-2082-1 - A Tribhuvan University 1st year		-	
 Asmita Tamang CMCAT57882 976111323	13 -	2063-08-05 B.S. 2006-11-21 A.D.	Banepa Municipality-01, Kavrepalanchok, Bagmati, Nepal	Bachelor in Business Studies-2082-1 - A Tribhuvan University 1st year	Moti Lal Shrestha 9823201731	-	
 Gyanprabha Bhattarai CMCGB56482 9703486581	9 -	2064-05-22 B.S. 2007-09-08 A.D.	Namobuddha	Bachelor in Business Studies-2082-1 - A Tribhuvan University 1st year	Shankhar Dev Bhatt... 9841442034	-	
 Kusum Yadav CMCKY56382	8	2063-11-25 B.S.	Pradip Yadav	Bachelor in Business Studies-2082-1 - A	Pradip Yadav	-	

Fig 26: Student record keeping

13.8.2 Examination Management System

- Online result publication.
- Online marks entry by teachers via mobile app
- Ledger print and grade sheet print themes options
- Program-wise dynamic grading
- Separate: Internal and University Examination

13.8.3 Class Routine

- Program wise class routine preparation
- Program wise view option

13.8.4 E-attendance System

The **Electronic Attendance System** automates the process of tracking and managing student attendance, replacing traditional methods. It records attendance in real-time using digital check-ins, RFID cards, or biometrics, and provides immediate updates. Students can access their attendance records online, promoting transparency and accountability. The system generates detailed reports and analytics to identify attendance trends and integrates with other campus management systems. It also sends automated alerts regarding attendance issues. Overall, the system improves accuracy, saves time, and enhances communication between students, faculty, and administration.

- Attendance via app by teachers

- Group by attendance
- Device attendance with notification and SMS alert option.
- Analytical report with subject wise percentage reporting

S.N.	Name of the Student	MGT201 Business English		MGT202 Business Statistics		MGT207 Microeconomics for Business		MGT211 Financial Accounting and Analysis		MGT213 Principles of Management	
		Others		Others		Others		Others		Others	
		Day	%	Day	%	Day	%	Day	%	Day	%
		1	100			1	100			1	100
1.	Aachal Kuman Mandal HDCAKM92581	1	100.0			1	100.0			1	100.0
2.	Aayusha Karki HDCAK92881	1	100.0			1	100.0			1	100.0
3.	Aditya Thakur HDCAT92681	1	100.0			1	100.0			1	100.0
4.	Aman kumar Gupta HDCAK591681										
5.	Amrita Kumari Thondar HDCAKT92981										
6.	Anima Adhikari HDCAA92781	1	100.0			1	100.0			1	100.0
7.	Asmita Mandal HDCAM94181	1	100.0			1	100.0			1	100.0
8.	Chanda Budathoki HDCCB92481	1	100.0			1	100.0			1	100.0
9.	Jamuna Kumari Shah HDCJKS9281	1	100.0			1	100.0			1	100.0
10.	Kirti Tamang HDCCT94881										

Fig 27: E-Attendance record keeping

13.9 Billing system

The **Billing and Payment Management System** is an essential part of the that simplifies the financial operations of the campus. It handles fee collection, invoicing, payment tracking, and financial reporting. The system ensures accurate billing, monitors payments in real-time, and generates reports for financial analysis. Integrated with other modules, it provides a comprehensive view of student financial data and sends automated payment reminders. Overall, this system improves transparency, reduces manual effort, and enhances the accuracy of financial records.

- Accrual and Cash basis billing system
- Dynamic fee heading creation
- Claim bill generation with multiple bill theme
- Heading wise receipt
- Editable amount in heading in receive
- Dynamic Discount/ Scholarship assign
- Student statement
- Analytical Report
- Aging wise Report
- Copy of Original in re-print of each bill/ receipt
- Void list
- Adjustment via Debit note and Credit note with reports
- E-payment via app by student login

13.10 Dynamic Website:

An **interactive website** allows users to actively engage with content through features like forms, surveys, quizzes, and real-time updates. It personalizes content based on user preferences and behavior, integrates multimedia elements, and provides feedback options such as ratings or live chat. These websites also feature dynamic navigation and interactive forms for a more responsive and personalized browsing experience. Overall, interactive websites enhance user engagement, participation, and satisfaction.

- Multiple themes
- Real time data updates
- ERP integration
- User can login via website in ERP

13.11 Account

An **account** is a record that tracks financial transactions, balances, and activities. It helps manage finances by documenting deposits, withdrawals, and other financial events. Accounts can be of various types, such as bank accounts, expense accounts, or credit accounts. They generate statements to provide insights into financial health and integrate with other financial systems for efficient management. Accounts are secured with passwords or other measures to protect sensitive information. Overall, they are essential tools for managing and monitoring financial activities.

- Dynamic Ledger and Group creation
- Multiple Voucher type
- Auto voucher from Billing, Inventory and Payroll
- Cash Flow statement
- Cost center
- P/L accountability
- Trial Balance
- Bank reconciliation
- Cheque /Bank Flow Statement
- Annexure 13
- Fixed Asset and other Analytical Report

13.12 Library

A **Library** is a dedicated space that provides access to a wide range of learning materials, including books, digital resources, and multimedia. It offers study spaces, research assistance, and information literacy programs to support academic and personal growth. The center also hosts community events and provides an online catalog for efficient resource management. Overall, it serves as a hub for knowledge, learning, and collaboration.

- Bulk book entry
- Bulk book assign
- Dynamic Author, publications entry
- Auto Spinal level generation
- Bar Code, QR Code. Spinal Level print
- Book Flow statement
- Borrow/ return book
- E-book with read by report
- Book request, read via app
- Analytical reports
- Fine management

13.13 E-portal and Entrance portal

An **E-portal** is a centralized online platform that provides students, staff, and stakeholders access to academic, administrative, and personal services, including grade tracking, course registration, and communication tools. It also offers online resources and manages personal and financial information.

An **Entrance Portal**, on the other hand, is an online platform designed for prospective students to submit applications, register for entrance exams, track application status, and view exam results. It also includes a payment gateway for fees.

Both portals enhance efficiency and accessibility in managing educational tasks and processes.

- **Online application form**
- **Online entrance exam**
- **Online result publications**

13.14 User role and Permission

- Custom user role creation
- Separate login details
- Permission as per user role
- Separate login role for teacher, staff, student, guardian, admin

13.15 Web-Based and Cloud Deployment

The system is web-based and hosted on a cloud platform, enabling users to access Chaitanya's HEMIS from any device with an internet connection. This flexibility improves campus operations management by allowing users to log in and complete tasks remotely. Being cloud-based also facilitates easy updates and maintenance, minimizing downtime and ensuring the system is always available.

The cloud-based platform offers several key advantages:

Scalability: The system can seamlessly grow alongside the campus's expanding needs, supporting more users and data without affecting performance.

Data Security: Cloud servers provide advanced security measures to protect sensitive data from unauthorized access and cyber threats. Additionally, the system includes continuous backup capabilities to ensure that data is consistently and automatically backed up, minimizing the risk of data loss in case of unforeseen events.

Cost Efficiency: With the cloud, there is less need for on-site infrastructure, reducing maintenance costs and capital expenditures.

The system is built using Java LTS (Long-Term Support) with the Spring Framework, ensuring a stable and reliable foundation for building and maintaining enterprise-grade applications. The combination of Java LTS and Spring Framework allows for efficient, scalable, and secure development of web-based services. Additionally, the system leverages micro services architecture, enabling a modular and flexible approach for handling different campus functions.

13.16 Server Connectivity:

Chaitanya's HEMIS is connected to the campus's main server, enabling centralized data management and control. This connection allows for real-time synchronization of data across various modules, ensuring stakeholders have up-to-date information for informed decision-making. The main server acts as the central repository for all campus data, streamlining data management and retrieval.

The network architecture of Chaitanya's HEMIS is robust, secure, and scalable. It is built around a cloud-based MySQL Server instance that supports essential campus functions, including accounts, library management, billing, examinations, E-portal, online admissions, and more. The cloud server is secured with advanced firewalls to prevent unauthorized access and protect against cyber threats.

Data from the cloud-based server is synchronized with other instances using peer-to-peer topology replication. This setup ensures data redundancy and high availability, providing consistent and reliable access to critical information. The cloud platform also enhances scalability and data protection, enabling the system to meet future expansion and data load demands.

A central web server, which hosts a MySQL Server database, serves as the heart of Chaitanya's HEMIS, providing real-time access to data and supporting efficient management of academic and administrative tasks. An API connects the web server to the Chaitanya College mobile app, allowing students and staff to access HEMIS features on mobile devices.

In conclusion, Chaitanya's HEMIS architecture combines cloud-based resources with robust security protocols, the use of Java LTS with Spring Framework, micro services, and flexible, reliable access to educational management tools, all in support of the campus's goal of delivering high-quality education.

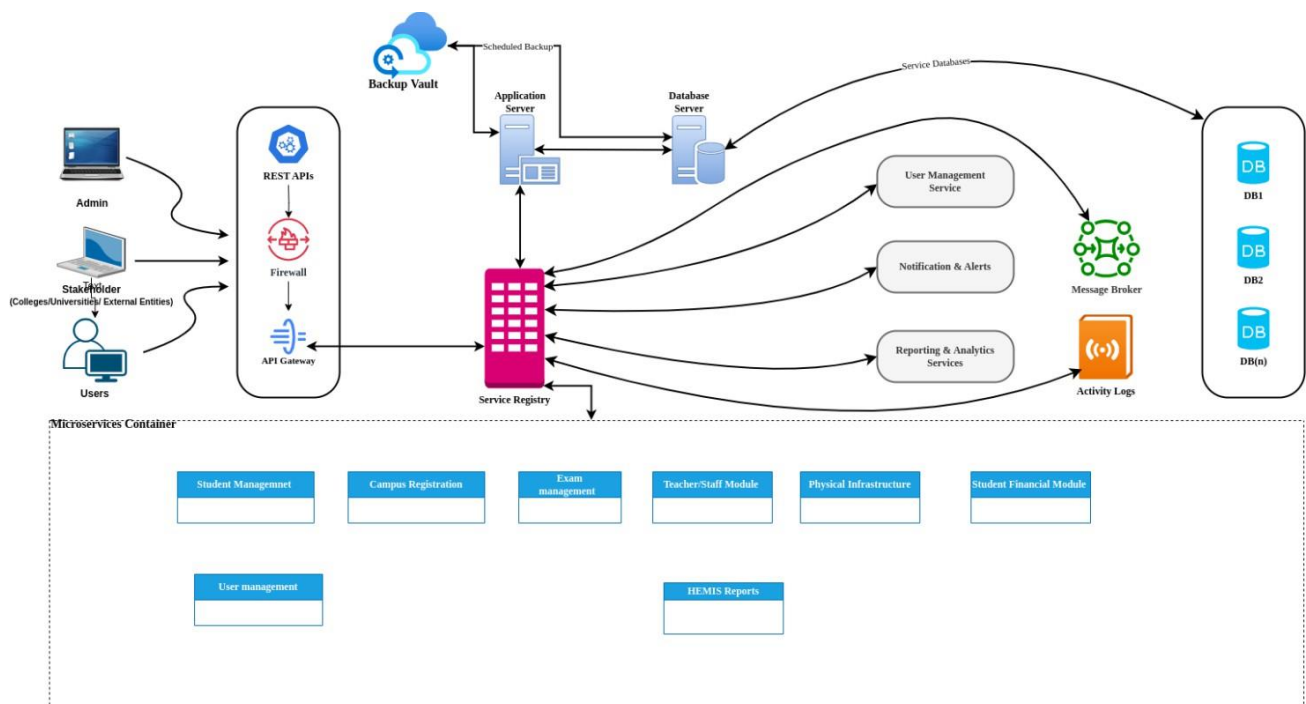
SECTION 13

ABOUT HEMIS, CAMPUS MANAGEMENT & SOFTWARE

13.17 Report Preparation

Report preparation is challenging for us because, to prepare this report, required data were collected from various sources, including faculty, Level, Departments, Programs, Campus Administration, the QAA Unit of EDN, the Student Council of the Campus, and others sources. The data was mainly extracted from the campus's software, which is used to manage the overall data of the campus, including student, Employee, Financial transaction, library, Academic information, exam related information, and may more. Other tools used to collect data included survey forms, emails, phone calls, and personal visits to sources. The collected data were then presented in tabular format in a spreadsheet.

- The data were inserted into the standard spreadsheet format of the campus.
- From the spreadsheet, the data were uploaded to the database using a database tool.
- From the aggregate table, summary tables required to prepare the report were generated.
- These summary tables were analyzed and interpreted.



* Each service in our HEMIS system will have its own database, with SQL or NoSQL chosen based on specific requirements for data management.

Fig 25: System Architecture

13.18 About Campus

Chaitanya Multiple Campus (CMC) is a community-based public institution dedicated to providing non-profit, service-oriented education. Located in the prime area of Banepa Valley, 25 km east of Kathmandu, it was established on 15th Mangshir 2048 B.S. (1st December 1991 A.D.) under the affiliation of Tribhuvan University (T.U.). The campus was founded with the sincere efforts of experienced teachers, educationists, and social workers in Banepa, with the goal of offering accessible and affordable higher education. As there were no constituent campuses in the district at the time, one of the main aims of the campus was to provide easy access to higher education and produce quality human resources to meet the needs of the local community and the country.

The establishment of the campus was influenced by the 1990 People's Movement (Jana Andolan) for the restoration of democracy, which inspired the local community to set up a college to offer various faculties of higher education in Banepa. By 1990, the increasing number of students at Tribhuvan University's constituent campuses led to a policy shift that allowed affiliations with both public and private sector campuses. As a result, CMC received affiliation and began offering PCL and Bachelor-level classes at Chaitanya Secondary School.

CMC has been providing opportunities for higher education to students from geographically isolated, economically disadvantaged, and socially marginalized communities in Kavre, Ramechhap, Sindhupalchowk, Sindhuli, and other districts. In 2062 Poush, it became the first campus in Kavre to offer M.Ed. programs in EPM, Maths, English, and Nepali. With over 25 years of history, CMC has played a significant role in the educational development of the region.

The primary financial source of the campus comes from student fees, along with regular grants from the University Grant Commission (UGC) since its establishment. While the campus has worked on developing its physical infrastructure, it faces challenges due to rising expenses and salary increases, which have hindered improvements in academic quality. Therefore, reforms in the academic system are needed.

This annual report highlights various aspects of the campus, including academic progress (such as student enrollment trends, pass rates, and graduate outcomes), physical and financial progress (including audit observations), social advancements, issues and challenges, as well as the annual work plan, projected plans, and budget based on the campus's strategic plan.

13.19 Objective of HEMIS

The primary objectives of (Higher Education Management Information System) are to provide accurate, timely, and reliable data to stakeholders, supporting decision-making, policy formulation, and educational quality improvement. enhances data accessibility, monitors student performance, and aids in resource management, ensuring efficient operations. It also helps in policy planning, promotes transparency and accountability, and supports compliance with reporting standards. By centralizing educational data, enables better management, improved academic outcomes, and effective communication across all campus stakeholders.

13.20 Key Functions of HEMIS

14. **Campus Network and Internet Services Management:** The section is responsible for managing the campus network to ensure seamless connectivity for all departments and students. This includes overseeing the library network, providing easy access to digital resources, and maintaining the efficient operation of library services. The section also manages the computer lab servers to ensure all systems are up-to-date and functioning smoothly. Additionally, it addresses issues related to campus internet services, ensuring uninterrupted access for both academic and administrative purposes.
15. **Digital Presence Enhancement:**
 - The section boosts the campus's digital presence by managing social media platforms like Facebook and LinkedIn.
 - It also oversees the campus's official website, ensuring that it is regularly updated with relevant information.
16. **Official Document Management:**
 - The section handles most of the campus's official document-related tasks, such as letter typing, notice creation, and Employee and Student Document management, Academic and Financial document management.
 - It also prepares various reports, including result compilations, and maintains records of letters received from external organizations.
17. **Student Enrollment and Demographics:** The report provides detailed information about student enrollment, including ethnicity and gender statistics. This data is crucial for understanding the demographic makeup of the student body and addressing enrollment disparities. The Gender Parity Index (GPI) is used to measure gender balance and ensure equal educational opportunities for male and female students.
18. **Academic Performance:** The report includes data on graduation rates, dropout records, and pass percentages across various faculties and programs. This

information helps assess student performance and identify areas for improvement. By analyzing this data, the campus can implement strategies to reduce dropout rates and improve academic outcomes.

19. **Teaching and Non-Teaching Staff:** The report provides comprehensive data about the qualifications, experience, and roles of teaching and non-teaching staff. This ensures that the campus maintains a qualified and experienced workforce, contributing to quality education delivery.
20. **Academic Departments and Programs:** The report includes information about the various academic level and programs along with subjects and credit hours offered at the campus with approved date, start date. This helps assess the diversity and quality of educational opportunities available to students and provides insights into the strengths and areas of improvement for each department. It assists department heads in preparing yearly plans to enhance their department's performance and improve student outcomes.
21. **Research and Publication:** Research and publication are key aspects of higher education. The report includes data on faculty and student research activities and publications, highlighting the campus's contributions to the academic community. Promoting research enhances the campus's reputation and provides valuable opportunities for students.
22. **Physical Status of the Campus:** The report includes details about the campus's physical infrastructure, such as land, buildings, classrooms, laboratories, internet, computers, chair, bench and other facilities. This information is important for assessing the adequacy of the infrastructure and planning future developments. Well-maintained facilities are essential for creating a conducive learning environment.
23. **Technical Assistance:** The section plays a critical role in providing technical support to departments, students, teachers, and staff. This includes managing the campus network, library network, computer labs, and internet services, ensuring that all technical aspects of the campus run smoothly and support academic and administrative activities.
24. **Enhancing Digital Presence:** In the digital age, maintaining a strong online presence is essential. The section enhances Chaitanya Multiple Campus's digital visibility by managing social media accounts and ensuring the campus website is regularly updated with relevant information. This helps promote the campus and keeps stakeholders informed about the latest developments.
25. **Document Management:** The section is responsible for managing official documents, including letter typing, notice creation, proposal writing, and report preparation. By handling these tasks efficiently, it ensures the smooth operation of the campus's administrative functions.
26. **Student Exam Enrollment and Graduation**

Student Exam Registration and Graduation are key processes in an academic journey.

- **Exam Registration** involves students enrolling for exams based on their completed courses, paying any required fees, and receiving exam schedules. After exams, students can access their results through the registration system.
- **Graduation** marks the completion of a program, where students must fulfill academic requirements, apply for graduation, and participate in a verification process. Once verified, they can attend a graduation ceremony and receive their degree or diploma.

Both processes ensure that students successfully complete their academic requirements and are recognized for their achievements.

13.21 Conclusion:

The establishment of at Chaitanya Multiple Campus has greatly contributed to the improvement of the campus's educational system. By providing accurate, timely, and reliable data, supports decision-making and enhances the overall quality of education. It plays a crucial role in managing the campus network, enhancing digital presence, and handling official documents. Through continuous improvements in its services, the section ensures that Chaitanya Multiple Campus remains a leading institution in higher education.

13.22 About HEMIS Software

Chaitanya Multiple Campus has greatly improved its educational and administrative operations with the implementation of a sophisticated Education Management Information System () developed by E-Digital Nepal Pvt. Ltd, a software company based in Kathmandu. This all-inclusive system integrates an Academic, Employee, and Library. Student, Program, Batch, physical structure an Accounting & Billing System, and an Admission & Examination System, working together to streamline College management

13.23 Development and Integration

The system developed by E-Digital Nepal Pvt. Ltd. is tailored to meet the diverse needs of the campus. It integrates essential modules, including the Library Management System, Accounting & Billing System, Notice, Leave, Case/Complain, SMS Alert, E-Attendance, and Admission & Examination System, Dynamic Website and Online Entrance portal providing a unified and efficient solution for College management. This integration enables real-time data sharing and synchronization across different departments, greatly enhancing operational efficiency. Furthermore, the software is designed in compliance with UGC requirements. User can access their data from anywhere and anytime as per permission granted.

13.24 Academics Management System:

13.24.1 Program/ Faculty/ Batch/ Year-Semester: Program/faculty/batch and year/semester wise student list with gender, ethnicity, DoB, Address, Disability Status, Nationality and many more.





Name of the Student *	Roll No./ID Number *	Birthday *	Address	Program/Sec.	Current Guardian	Blood Group	House	Gender	Ethnic Group	Fee Category
 Ashish Khadka CHCAN20381 9823713381	2	2061-08-08 B.S. 2004-11-23 A.D.	Ramechhap	B.Ed. English-2081-1 - A Tribhuvan University 1st year	Dipak Khadka 9803751808	-		Male	Kshatriya	
 Ajaya Lopchan CHCAL42061 9701566930	37	2055-04-04 B.S. 1998-07-20 A.D.	khanikhola-01,kavre	B.Ed. English-2081-1 - A Tribhuvan University 1st year	Birani Maya Tamang 980101010	-		Male	Tamang	
 Asmita Nepal CHCAN20281 984103244	9	2056-07-14 B.S. 1999-10-31 A.D.	Kavrepalanchok	B.Ed. English-2081-1 - A Tribhuvan University 1st year	Bharat Nepal 9869413456	-		Female	Brahmin	
 Dipina k.C CHCDK20381 11111111	21	2060-03-28 B.S. 2003-07-12 A.D.	Kavrepalanchok	B.Ed. English-2081-1 - A Tribhuvan University 1st year	Suman Khatri 9810101010	-		Female	Kshatriya	

Fig 26: Student record keeping

13.24.2 Examination Management System

- Online result publication.
- Online marks entry by teachers via mobile app
- Ledger print and grade sheet print themes options
- Program-wise dynamic grading
- Separate : Internal and University Examination

13.24.3 Class Routine

- Program wise class routine preparation
- Program wise view option

13.24.4 E-attendance System

The **Electronic Attendance System** automates the process of tracking and managing student attendance, replacing traditional methods. It records attendance in real-time using digital check-ins, RFID cards, or biometrics, and provides immediate updates. Students can access their attendance records online, promoting transparency and accountability. The system generates detailed reports and analytics to identify attendance trends and integrates with other campus management systems. It also sends automated alerts regarding attendance issues. Overall, the system improves accuracy, saves time, and enhances communication between students, faculty, and administration.

- Attendance via app by teachers
- Group by attendance
- Device attendance with notification and SMS alert option.
- Analytical report with subject wise percentage reporting

S.N.	Name of the Student	MGT201 Business English		MGT202 Business Statistics		MGT207 Microeconomics for Business		MGT211 Financial Accounting and Analysis		MGT213 Principles of Management	
		Others		Others		Others		Others		Others	
		Day	%	Day	%	Day	%	Day	%	Day	%
		1	100			1	100			1	100
1.	Aachal Kumari Mandal HDCAKM93581	1	100.0			1	100.0			1	100.0
2.	Aayusha Karki HDCAK92881	1	100.0			1	100.0			1	100.0
3.	Aditya Thakur HDCAT92681	1	100.0			1	100.0			1	100.0
4.	Aman Kumar Gupta HDCAKG91681										
5.	Amrita Kumari Thandor HDCAKT92981										
6.	Anima Adhikari HDCAA92781	1	100.0			1	100.0			1	100.0
7.	Asmita Mandal HDCAM94181	1	100.0			1	100.0			1	100.0
8.	Chanda Budathaki HDCCB92481	1	100.0			1	100.0			1	100.0
9.	Jamuna Kumari Shah HDCJKS95281	1	100.0			1	100.0			1	100.0
10.	Kirti Tamang HDCCKT94881										

Fig 27: E-Attendance record keeping

13.25 Billing system

The **Billing and Payment Management System** is an essential part of the that simplifies the financial operations of the campus. It handles fee collection, invoicing, payment tracking, and financial reporting. The system ensures accurate billing, monitors payments in real-time, and generates reports for financial analysis. Integrated with other modules, it provides a comprehensive view of student financial data and sends automated payment reminders. Overall, this system improves transparency, reduces manual effort, and enhances the accuracy of financial records.

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- Dynamic fee heading creation
- Claim bill generation with multiple bill theme
- Heading wise receipt
- Editable amount in heading in receive
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- Student statement
- Analytical Report
- Aging wise Report
- Copy of Original in re-print of each bill/ receipt
- Void list
- Adjustment via Debit note and Credit note with reports
- E-payment via app by student login

13.26 Dynamic Website:

An **interactive website** allows users to actively engage with content through features like forms, surveys, quizzes, and real-time updates. It personalizes content based on user preferences and behavior, integrates multimedia elements, and provides feedback options such as ratings or live chat. These websites also feature dynamic navigation and interactive forms for a more responsive and personalized browsing experience. Overall, interactive websites enhance user engagement, participation, and satisfaction.

- Multiple themes
- Real time data updates
- ERP integration
- User can login via website in ERP

13.27 Account

An **account** is a record that tracks financial transactions, balances, and activities. It helps manage finances by documenting deposits, withdrawals, and other financial events. Accounts can be of various types, such as bank accounts, expense accounts, or credit accounts. They generate statements to provide insights into financial health and integrate with other financial systems for efficient management. Accounts are secured with passwords or other measures to protect sensitive information. Overall, they are essential tools for managing and monitoring financial activities.

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- Multiple Voucher type
- Auto voucher from Billing, Inventory and Payroll
- Cash Flow statement
- Cost center
- P/L accountability
- Trial Balance
- Bank reconciliation
- Cheque /Bank Flow Statement
- Annexure 13
- Fixed Asset and other Analytical Report

13.28 Library

A **Library** is a dedicated space that provides access to a wide range of learning materials, including books, digital resources, and multimedia. It offers study spaces, research assistance, and information literacy programs to support academic and personal growth. The center also hosts community events and provides an online catalog for efficient resource management. Overall, it serves as a hub for knowledge, learning, and collaboration.

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- Bulk book assign
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- Bar Code, QR Code. Spinal Level print
- Book Flow statement
- Borrow/ return book
- E-book with read by report
- Book request, read via app
- Analytical reports
- Fine management

13.29 E-portal and Entrance portal

An **E-portal** is a centralized online platform that provides students, staff, and stakeholders access to academic, administrative, and personal services, including grade tracking, course registration, and communication tools. It also offers online resources and manages personal and financial information.

An **Entrance Portal**, on the other hand, is an online platform designed for prospective students to submit applications, register for entrance exams, track application status, and view exam results. It also includes a payment gateway for fees.

Both portals enhance efficiency and accessibility in managing educational tasks and processes.

- **Online application form**
- **Online entrance exam**
- **Online result publications**

13.30 User role and Permission

- Custom user role creation
- Separate login details
- Permission as per user role
- Separate login role for teacher, staff, student, guardian, admin

13.31 Web-Based and Cloud Deployment

The system is web-based and hosted on a cloud platform, enabling users to access Chaitanya's HEMIS from any device with an internet connection. This flexibility improves campus operations management by allowing users to log in and complete tasks remotely. Being cloud-based also facilitates easy updates and maintenance, minimizing downtime and ensuring the system is always available.

The cloud-based platform offers several key advantages:

Scalability: The system can seamlessly grow alongside the campus's expanding needs, supporting more users and data without affecting performance.

Data Security: Cloud servers provide advanced security measures to protect sensitive data from unauthorized access and cyber threats. Additionally, the system includes continuous backup capabilities to ensure that data is consistently and automatically backed up, minimizing the risk of data loss in case of unforeseen events.

Cost Efficiency: With the cloud, there is less need for on-site infrastructure, reducing maintenance costs and capital expenditures.

The system is built using Java LTS (Long-Term Support) with the Spring Framework, ensuring a stable and reliable foundation for building and maintaining enterprise-grade applications. The combination of Java LTS and Spring Framework allows for efficient, scalable, and secure development of web-based services. Additionally, the system leverages micro services architecture, enabling a modular and flexible approach for handling different campus functions.

13.32 Server Connectivity:

Chaitanya's HEMIS is connected to the campus's main server, enabling centralized data management and control. This connection allows for real-time synchronization of data across various modules, ensuring stakeholders have up-to-date information for informed decision-making. The main server acts as the central repository for all campus data, streamlining data management and retrieval.

The network architecture of Chaitanya's HEMIS is robust, secure, and scalable. It is built around a cloud-based MySQL Server instance that supports essential campus functions, including accounts, library management, billing, examinations, E-portal, online admissions, and more. The cloud server is secured with advanced firewalls to prevent unauthorized access and protect against cyber threats.

Data from the cloud-based server is synchronized with other instances using peer-to-peer topology replication. This setup ensures data redundancy and high availability, providing consistent and reliable access to critical information. The cloud platform also enhances scalability and data protection, enabling the system to meet future expansion and data load demands.

A central web server, which hosts a MySQL Server database, serves as the heart of Chaitanya's HEMIS, providing real-time access to data and supporting efficient management of academic and administrative tasks. An API connects the web server to the Chaitanya College mobile app, allowing students and staff to access HEMIS features on mobile devices.

In conclusion, Chaitanya's HEMIS architecture combines cloud-based resources with robust security protocols, the use of Java LTS with Spring Framework, micro services, and flexible, reliable access to educational management tools, all in support of the campus's goal of delivering high-quality education.

