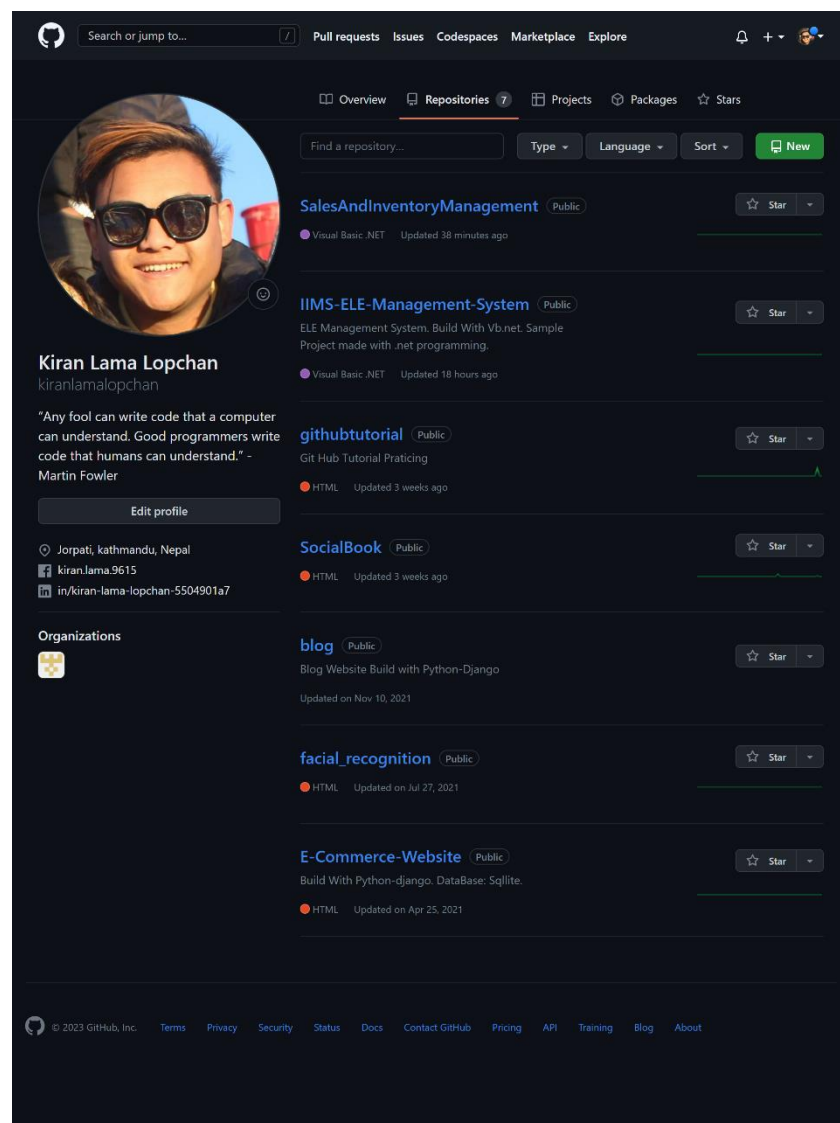


Appendix of Additional Information to Support GTE Statement

The current economic and business environment in Nepal is improving rapidly, which means that there are many opportunities for career growth and entrepreneurship in the IT industry. While I was in my bachelor's degree, I used to make projects thinking that it would help me to grow my skills and help for my future career growth. I used to work as a freelancer developing different projects using programming languages like .Net, Python, Django Framework and web development tools. But I felt that those projects are not sufficient enough to compete to the up running industries projects. When I complete my Master's degree in Australia and return to Nepal then I can be awarded salaries that are 29% more than those with a Bachelor's Degree. So, I choose Australia for my Master's Degree.

Some of the projects that I have done are hosted online and some are uploaded in GitHub:

GitHub Link: <https://github.com/kiranlamalopchan>



The screenshot displays the GitHub profile of Kiran Lama Lopchan. The profile includes a circular profile picture, the name 'Kiran Lama Lopchan', and the username 'kiranlamalopchan'. A quote by Martin Fowler is featured: "Any fool can write code that a computer can understand. Good programmers write code that humans can understand." The location is listed as 'Jorpati, kathmandu, Nepal', and the email is 'kiran.lama.9615'. The profile also shows a list of repositories, including 'SalesAndInventoryManagement', 'IIMS-ELE-Management-System', 'githubtutorial', 'SocialBook', 'blog', 'facial_recognition', and 'E-Commerce-Website'. Each repository entry shows the language used (e.g., Visual Basic .NET, HTML) and the last update time. The footer of the page contains the GitHub logo and various links like Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

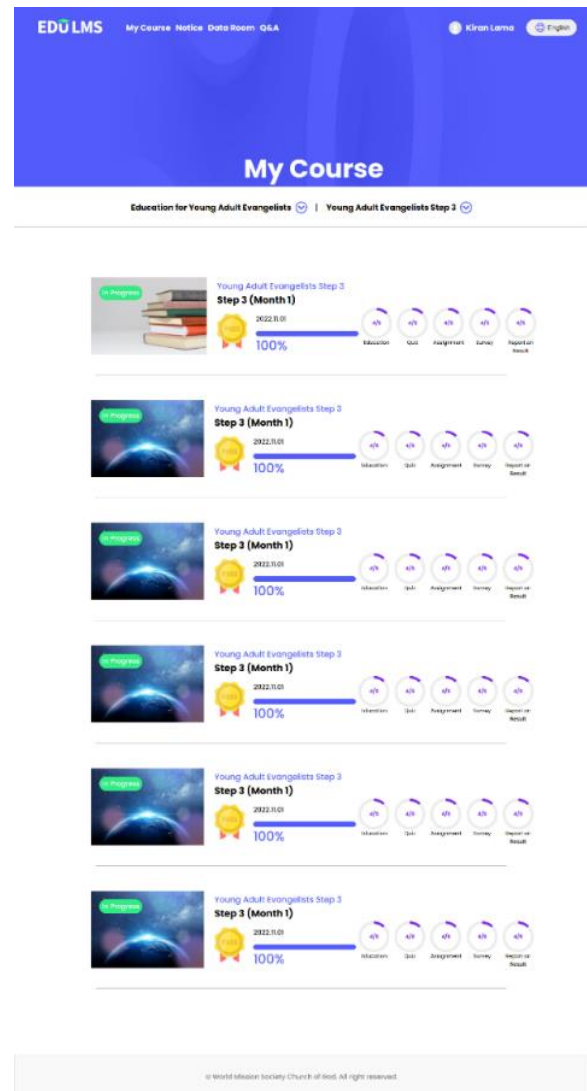
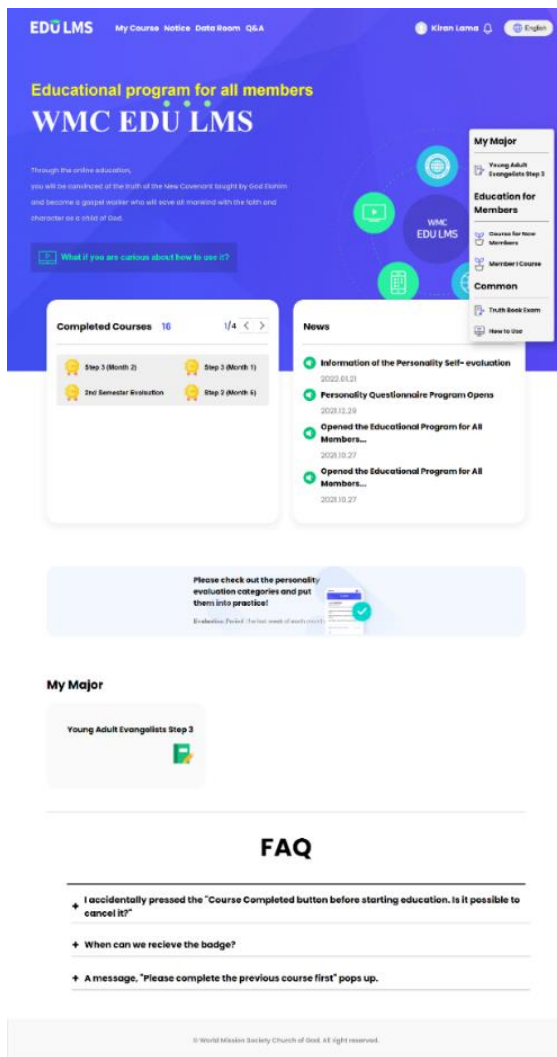
- Education Learning Management System
- Social Book
- E-Commerce
- Attendance Using Facial Recognition System
- Blog
- IIMS-ELE Management System

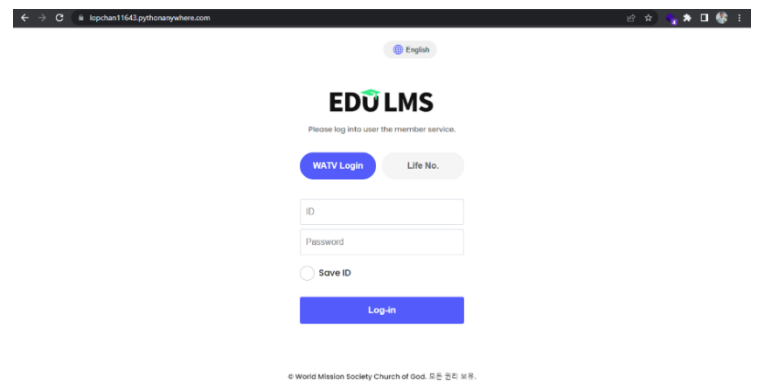
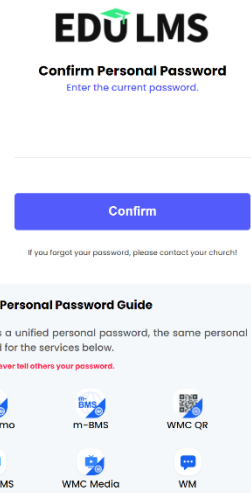
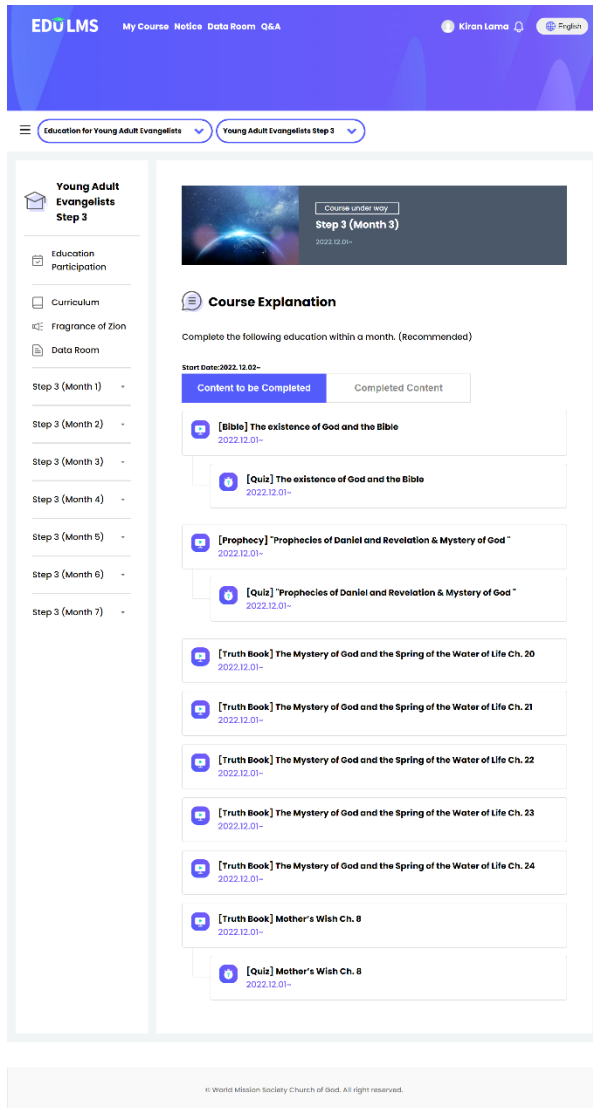
Projects that are hosted online:

Education Learning Management System:

Web link: <https://lopchan11643.pythonanywhere.com>

This project is main focused on managing the student's education. It a Webapp designed for educational institutions to manage their online learning programs. This projects includes features such as course and management, student enrollment, assessments and quizzes, and progress tracking.

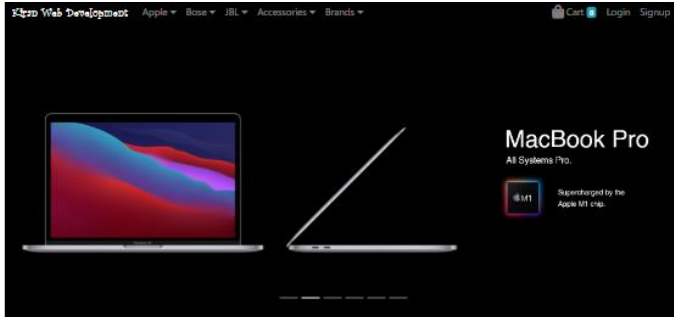




E-Commerce Website:

Web link: <https://lopchan.pythonanywhere.com/>

This project was built for online business. It is a digital platform that enables business to sell products or services online to customers. It allows customers to become products or services, add them to a virtual shopping cart, and checkout and deliver the products. This websites may also include features such as customer accounts and validations.



MacBook Pro

16-inch Model

The best for the Brightest

Learn More



Bose

Bose QuietComfort Earbuds

Super Comfort and best Quality

Learn More



Product By Brands

Apple Bose JBL Case Logic



MacBook Pro 16-inch
2.6GHz/6-core i7/16GB/512GB
ITS 2019
NPR 345,000

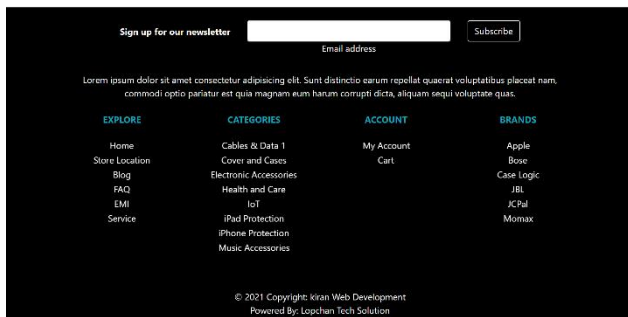


MacBook Pro 13-inch
Apple M1 Chip | 512GB
NPR 240,000

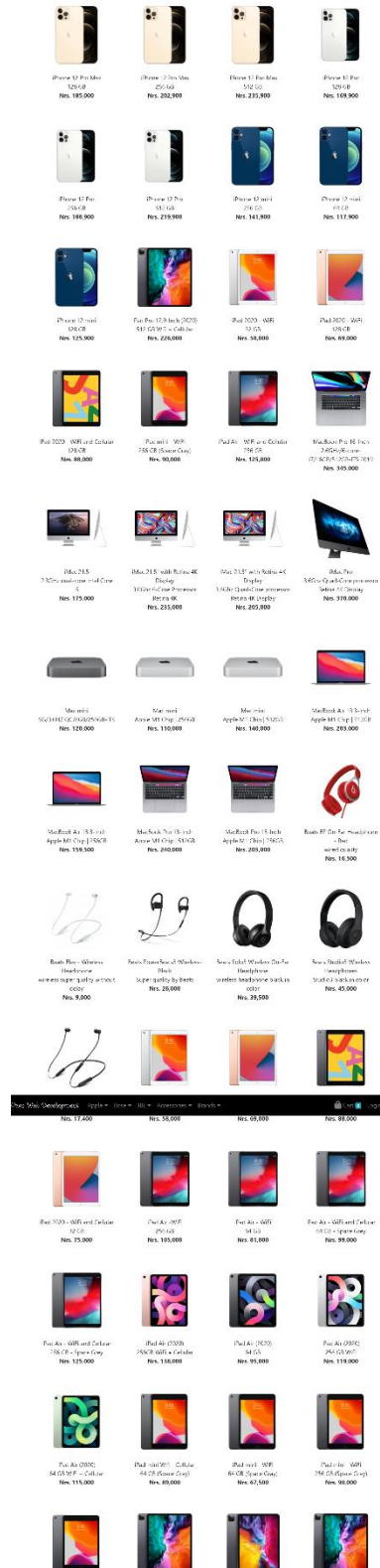


MacBook Pro 13-inch
Apple M1 Chip | 256GB
NPR 205,000

PAYMENT PARTNER



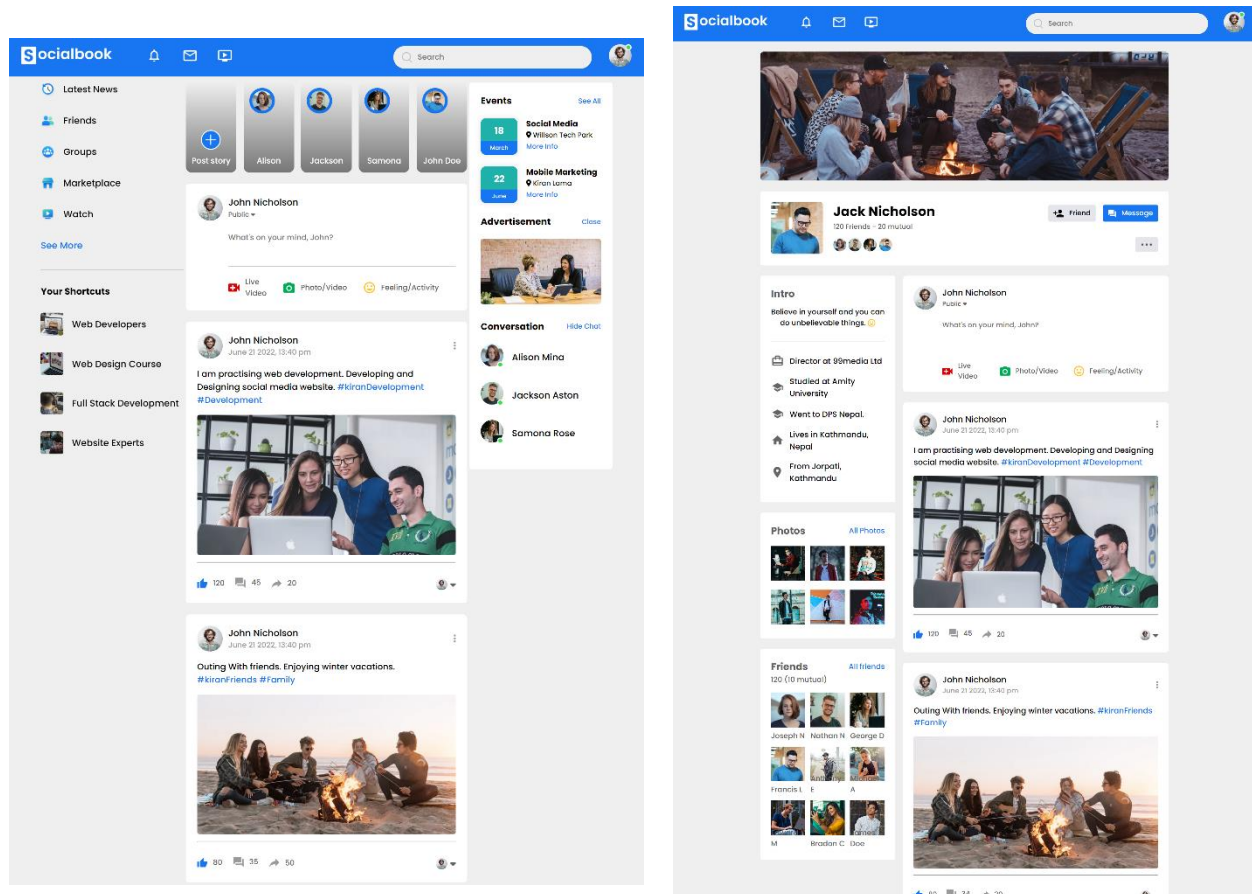
Featured products



Social Book:

GitHub Repository Link: <https://github.com/kiranlamalopchan/SocialBook>

This project is similar to Face Book. It uses Front-end development (HTML, CSS and JavaScript). Users can execute CRUD operation and view the post and detail.



IIMS-ELE Management System

GitHub Repository Link: <https://github.com/kiranlamalopchan/IIMS-ELE-Management-System>

This Project was created by me when I was continuing my Bachelor's Degree in IIMS College. It was developed in .Net Programming with Visual Basic IDE. It can handle CRUD operation and also student can print the ELE Report which are validated by respective teachers and Admin. Limitation of this project which I face on that time:

- This system cannot be used online.
- Because it can be only accessed offline, it does not have automation features and requires manual action to perform operations.

- Unlike online systems that utilize cloud computing, this system stores data on computer's hard drive which increases the risk of data loss.
- Additional hardware and software can make it more expensive.
- Upgrading the system can be very tough.
- Further functions such as submission of report, attendance can be added in the system.
- The application can be re-designed for online use.
- The build and the server can be changed so it can handle and store large amount of data.

Back

IIMS COLLEGE

IIMS ELE MANAGEMENT SYSTEM

WELCOME

This Software helps Course Instructor (Teacher) to Insert, update, delete ELE point of specific students and students only to view his/her ELE Points. Event detail and other detail also can be used.

Note:

- 1) First of all there should be valid account registered to use this software.
- 2) If problem arises while login to an account, you may consult to your respective teacher, otherwise consult to Developers as below detail.

Copyright © all right reserve 2020
DEVELOPERS
Sujan Shrestha
Jangbu Sherpa
Kiran Lama

Username

Password

Show Password

LOGIN Teacher LOGIN Student

Student ID : 191128

Student Name : Kiran Lama

	Event_Name	Point
▶	HON	15
	Blood Donation	20
	Prom Night	30
	Corona	15
*		



Back

ELE Point Marking

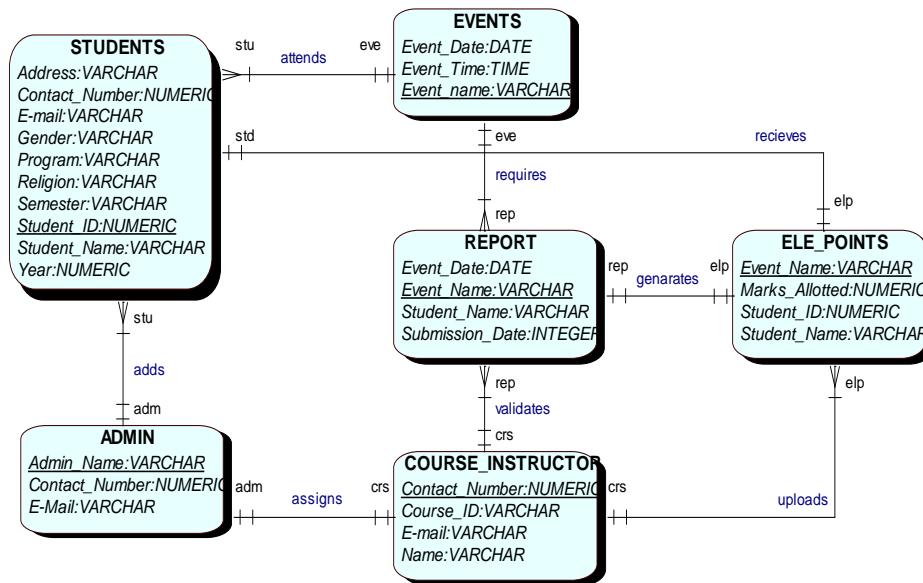
Student ID : Event Name :

ELE Point : Student Name :

Save Data into

3rd Sem 4th Sem 5th Sem

Show Table Show Table Show Table



Sales and Inventory Management System:

GitHub Repository Link: <https://github.com/kiranlamalopchan/SalesAndInventoryManagement>

I had built this system that handles the tasks of managing the Sales and Stock of the Store where I used Visual Studio Code as our IDE and Microsoft Access as our database to create this system. This system consists of User Friendly interfaces which helps the user to easily interact with the system. This system was user friendly and can be used for storing the data digitally rather than file based system. The main Objectives of this system was to eliminate duplication in ordering stocks, avoid both overstocking and under-stocking of Inventory and to optimize various costs indulged with inventories like purchase cost, carrying a cost, storage cost etc. It uses Microsoft Access database to handled data. This system also cannot be used online because it can be only accessed offline, it does not have automation features and requires manual action to perform actions. Same as previous project this project can also make online for better data security and backup.



Figure 1: Login form



Figure 2: Login Form with username and password

Main Menu

Users Distributor Vendors Products

Registration Distributor Vendor Product **Stock** Order Invoice Logout

Stock In

	Stock ID	Product Code	Product Name	Weight	Cartons	Packets	Total Packets
▶	ST-858063	P-4751	Alu Bhujia	100 gm	4	6	24
	ST-134177	P-6784	Bhujia Sev	1 kg	8	11	88
	ST-112652	P-2228	Moong dal	250 gm	5	20	100
	ST-248154	P-2228	Moong dal	250 gm	10	10	100
	ST-716365	P-9398	Rasbari	1 kg	15	50	750
✱							

Logged in as lopchan11643 4/16/2020 6:30:22 PM

Registration

User Registration

User Details

User Name: susrini27019

Password: *****

Name: Susrini Tamang

Contact No.: 9818203177

New

Save

Delete

Update

Get Data

The screenshot shows the ProtonMail web application interface. At the top, the 'ProtonMail' logo is visible. The main content area is divided into three vertical panels. The left panel, titled 'Billing Details', contains input fields for Name, Address, Landmark, City, State (a dropdown menu), and Zip/Post Code. The middle panel, titled 'Shipping Details', contains input fields for Name, Address, Landmark, City, State (a dropdown menu), and Zip/Post Code. Below this is a partially visible 'Additional Details' panel with input fields for Distribution ID, Phone, Email, Mobile No., Fax No., and State. To the right of these panels is a red vertical bar with a white 'Next' button. At the bottom center, there is a small icon of two people.

The screenshot shows a Windows application titled 'frmVendor'. The main window has a title bar with standard Windows controls. Below the title bar is a section labeled 'Vendor Details' with a light green background. This section contains a form with the following fields:

- Vendor ID: A text box with a dropdown arrow.
- Name: A text box.
- Address: A text box.
- Landmark: A text box.
- City: A text box.
- State: A dropdown menu.
- Zip/Post Code: A text box.
- Phone: A text box.
- Email: A text box.
- Mobile No.: A text box.
- Fax No.: A text box.
- Notes: A large text area.

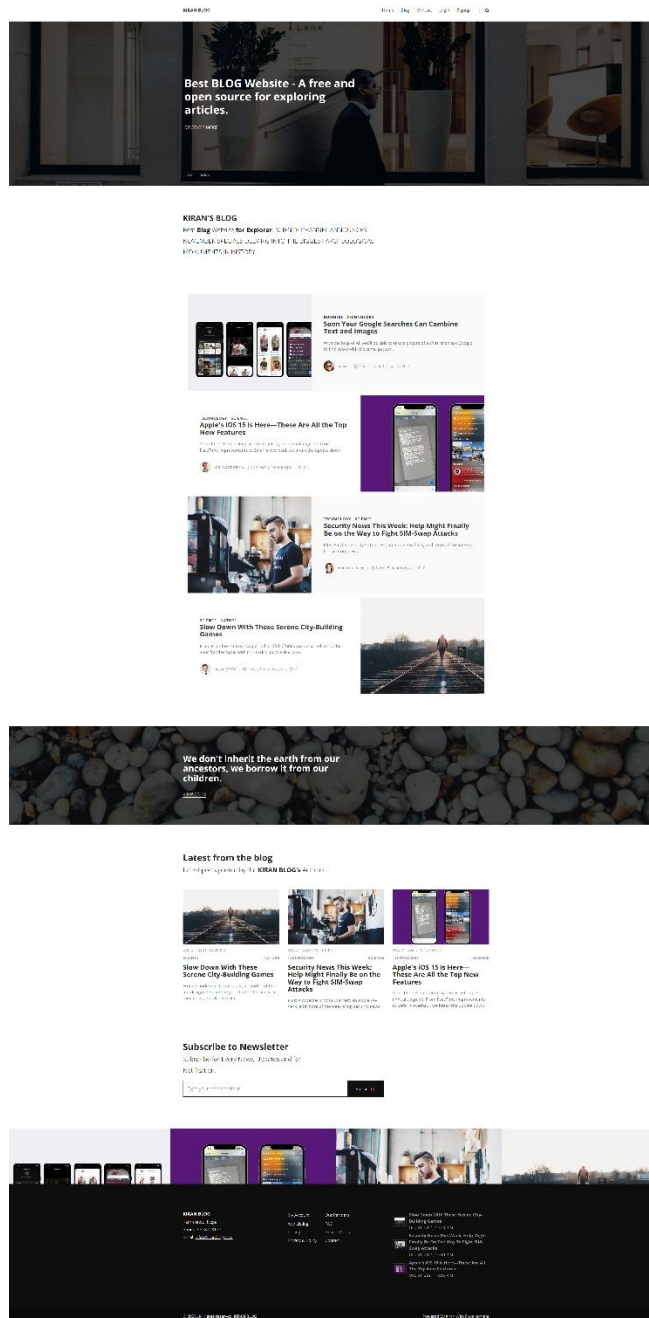
To the right of the form is an orange sidebar containing four buttons: 'New', 'Save', 'Update', and 'Delete'.

[illegible]

Blog

GitHub Repository link: <https://github.com/kiranlamalopchan/blog>

This project was built with Python-Django. Front end with HTML, CSS, JAVASCRIPT and Back-end with Python with Django framework. User can execute CRUD operations.



Attendance Using Facial Recognition

GitHub Link: https://github.com/kiranlamalopchan/facial_recognition

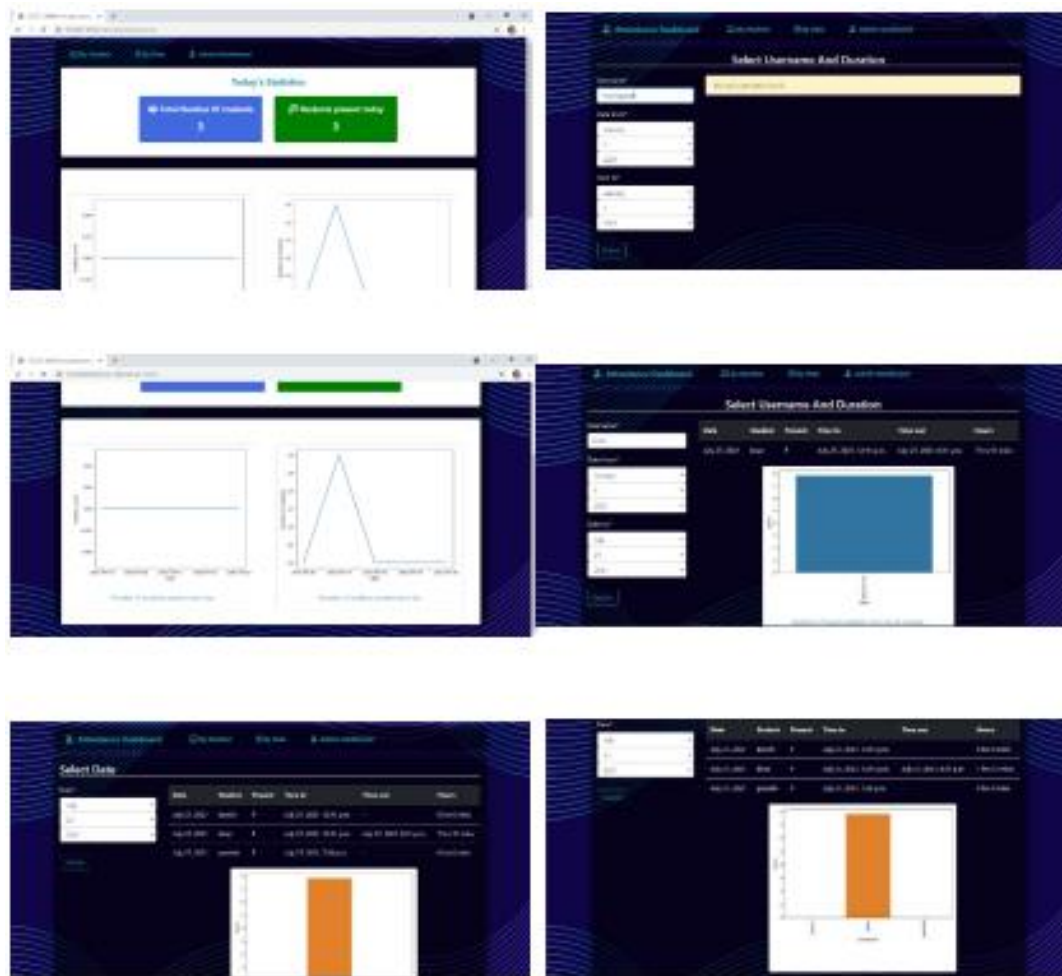
My final year project in Bachelors was Facial Recognition Attendance System. This project was built with Python and Django Framework. The purpose of this project is to know the requirements of the software for Attendance Management System Using Face Recognition. It helps to know and understand the functionality of the Attendance Management System. Further, this project aims to automate the traditional attendance system of attendance where all the records were maintained manually.

The main objectives of this systems is to manage and record the attendance data of students, to take a student's attendance using facial recognition, to provide reliability, security and fastest way to take student attendance and to bring an accurate and low-cost effective way of taking attendance management systems which can be affordable by any school and colleges.

While building this project I found major problems some of them are:

- Artificial Intelligence Accuracy
- Security and backup
- Twin face problem
- High Cost





These all are the project that I have done with various programming languages.

After completion of my course, I planned to come back to Nepal and continue my professional career. As I had done some research on paying rate in various job market website, there is not so difference. Weekly salary in Australia is 1250 AUD (5000 AUD in Month) approx. but the expenses in Australia is significantly more comparatively to Nepal. Working in Australia, I will have various expenses and difficult living conditions having tough competition from people all over the world. Instead of that, I can easily get the job here in Nepal with satisfied salary range and also engage in personal projects that can generate income. Chances of hiring by top company in IT as well as working remotely for multinational organizations are possible nowadays due to rapid growth in technologies. Hence, I do not have to physically remain in Australia for longer time. There are many benefits of my being in Nepal financially, career wise and also family life. Nepal is known for its close-knit communities and strong family values. I want to start my family when I return to Nepal with my spouse. So I strongly desire to return to Nepal completion of my course from Australia.

Some snippets of job search and research are provided below:



← → ↻ merogob.com/python-django-developer-12/

Python Django Developer
Bisara Tech
Kathmandu
Key skills: Python Django

Apply Before: 1 week, 6 days from now Views: 206 Share

Python Django Developer

Basic Job Information

Job Category	: IT & Telecommunication > Programmer/ Software Engineer
Job Level	: Senior Level
No. of Vacancy/s	: [2]
Employment Type	: Full Time
Job Location	: Kathmandu
Offered Salary	: NRs. 30,000.00 - 50,000.00 Monthly
Apply Before (Deadline)	: Apr. 13, 2023 23:55 (1 week, 6 days from now)

Job Action

Save Job **APPLY NOW**

More Jobs By this Company

React Developer
Bisara Tech
Deadline: 1 week, 6 days from now | Views: 309

Marketing Personnel
Bisara Tech
Deadline: 1 week, 6 days from now | Views: 158

Similar Jobs

Computer Technician/Instructor
Tech Central
Deadline: 2 weeks, 3 days from now | Views: 2310

Hardcore Esports Gamer
Tech Central

Nowadays, Nepal also has increase in Information technology graduates to fulfil job roles demanded by various companies. The number of job vacancy in IT and technical sector is getting much higher and the demand goes increasing day by day. As a graduate from Nepalese education system, I can possess limited knowledge to successful implementation of projects but getting educated and trained from Australian education system makes me different compared to others. There are businesses launching online stores and selling products online, and there is a growing demand for e-commerce development and support services. As businesses move online, there is also a growing demand for digital marketing services in Nepal. Digital marketing agencies in Nepal are providing services such as search engine optimization (SEO), social media marketing, and email marketing to engage with their target audiences online. Nepali business and organizations are exploring the potential of AI for application such as Chabot's and natural language processing. The course that I have choose from KOI is also related to these subject so I can gain more knowledge and skill so that I can apply it in various IT Company of Nepal in future.

I have done research about my course contents and benefits also.

COURSE OVERVIEW

First Trimester

BUS708	Statistics and Data Analysis
BUS709	Communication in Business
ICT710	IT Governance and Emerging Technologies
ICT711	Programming and Algorithms

Second Trimester

ICT712	Information Technology Project Management <i>(Pre-req: 4 subjects completed)</i>
ICT713	Advanced Database Design and Development
	IT Elective
	IT Elective

Third Trimester

ICT728	Capstone Project 1 <i>(Pre-req: 8 subjects completed, ICT712, ICT713) (ICT729 must be enrolled in consecutive trimester)</i>
	IT/General Elective
	IT Elective
	IT Elective

Fourth Trimester

ICT729	Capstone Project 2 <i>(Pre-req: ICT728)</i>
	IT/General Elective
	IT Elective
	IT Elective

Electives: Provided that pre-requisites have been met, and the subject is offered in the trimester, students may choose any electives provided in this trimester from the list below (Pre-requisite shown in brackets).

IT Electives:

[ICT722](#) Information Security
[ICT723](#) Virtualisation and Cloud Computing
[ICT724](#) Intelligent systems
[ICT725](#) User Experience and Mobile Application Development
[ICT726](#) Web Development (Pre-req: [ICT711](#))
[ICT730](#) Applied Analytics and Visualisation (Pre-req: [ICT713](#), [ICT731](#), [BUS708](#))
[ICT731](#) Data Mining (Pre-req: [ICT713](#), [ICT724](#))
[ICT732](#) Big Data (Pre-req: [ICT713](#), [ICT731](#))
[ICT733](#) Social Web Analytics (Pre-req: [ICT713](#), [ICT731](#), [BUS708](#))
[ICT740](#) Applied Cybersecurity (Pre-req: [ICT722](#))
[ICT741](#) Digital Forensics (Pre-req: [ICT722](#))
[ICT742](#) Cloud Privacy and Security (Pre-req: [ICT722](#))
[ICT743](#) IoT Security (Pre-req: [ICT722](#))

Data Analytics Specialisation

Choose at least 4 electives from the list below:

[ICT724](#) Intelligent systems
[ICT730](#) Applied Analytics and Visualisation (Pre-req: [ICT713](#), [ICT731](#), [BUS708](#))
[ICT731](#) Data Mining (Pre-req: [ICT713](#), [ICT724](#))
[ICT732](#) Big Data (Pre-req: [ICT713](#), [ICT731](#))
[ICT733](#) Social Web Analytics (Pre-req: [ICT713](#), [ICT731](#), [BUS708](#))

Cybersecurity Specialisation

Choose at least 4 electives from the list below:

[ICT722](#) Information Security
[ICT740](#) Applied Cybersecurity (Pre-req: [ICT722](#))
[ICT741](#) Digital Forensics (Pre-req: [ICT722](#))
[ICT742](#) Cloud Privacy and Security (Pre-req: [ICT722](#))
[ICT743](#) IoT Security (Pre-req: [ICT722](#))

General Electives

[ACC700](#) Principles of Accounting
[ACC701](#) Financial Accounting (pre-req: [ACC700](#))
[ACC703](#) Accounting Information Systems (pre-req: [ACC700](#))
[ACC704](#) Companies and Securities Law (pre-req: [BUS702](#))
[BUS700](#) Economics
[BUS702](#) Business Law
[BUS707](#) Applied Business Research
[FIN700](#) Financial Management

(<https://koi.edu.au/courses/postgraduate-courses/master-of-information-technology/>)

Some of the subjects and reasons to choose MIT in Australia so that I can implement in Nepal are explained below:

ICT711-PROGRAMMING AND ALGORITHMS:

This subject is the core subject for Master of Information Technology (MIT). This subject is mainly focused on advance JAVA containing topics like exception handling, advance arrays, inheritance for program design and implementation in Java. An object-oriented framework are also taught to develop deeper knowledge of computational problem-solving through the use of established algorithms and programming methodologies, strategies and techniques.

ICT713 ADVANCED DATABASE DESIGN AND DEVELOPMENT:

While building my past project I used to be stuck on data normalization. I only have a basic knowledge about big data and NoSQL. When I search for the IT job's in Nepali job market, I realized the importance of big data and NoSQL. Every single post contains requirements of NSQL for software developer. So, this course can provide me a better understanding and up-scale my knowledge. This subject cover advanced

topics including databases over the Internet, cloud data services, transaction management, database performance, distributed databases, business intelligence for decision making, big data, and NoSQL.

BUS709 COMMUNICATION IN BUSINESS

From this course I can learn highly developed skills in communication, analysis, teamwork and negotiation are crucial for enhancing success in academic study and a career in business. This subject provides a strong foundation in effective communication skills and practice with a variety of writing and presentation styles for a variety of audiences. I will develop negotiation, research and critical thinking skills and an appreciation of ethical practice by working on case studies and role plays, discussing cultural issues and leadership challenges, and analyzing complex and ambiguous information.

ICT726 WEB DEVELOPMENT

As I have done many of my projects based on web app built with python-Django framework. This subject helps me to develop my skills in web development with PHP programming languages. I will gain experience in a range of web technologies including HTML, CSS, JavaScript, JQuery, AJAX, PHP MySQL and XML. These skills will allow me to design dynamic websites that are functional, usable and accessible.

ICT724 INTELLIGENT SYSTEMS

I have developed “*Attendance Using Facial Recognition*” based on Intelligent Systems. So, from this course I will enable to apply machine learning, fuzzy logic, search, expert systems, neural networks, and peripheral techniques to develop intelligent systems. I will able to develop real world problem and make a convincing argument to executive management when promoting data-driven changes.

ICT732 BIG DATA

Big data is increasingly used in various industries, including finance, healthcare, marketing, and technology, to gain insights and inform decision-making. Big data are in high demand, and individuals with expertise in big data technologies and analysis are highly sought after by employers. By learning big data, I can open up a wide range of career opportunities in fields such as data science, analytics, and artificial intelligence. Overall, big data has the potential to improve decision-making, optimize processes and drive innovation in Nepal. So, this course may top up my skills in development field.

BUS702 BUSINESS LAW

From this course I will able to learn the history, ethical framework and basic structures of the Australian Legal System. I will also able to learn how to research legal problems using both hardcopy and online resources so that I can apply it to my native country.

ICT722 INFORMATION SECURITY

Many people in Nepal are not aware of the risks and threats associated with information security. Cybercrime is on the rise in Nepal, with incidents of hacking, identity theft, and phishing becoming increasingly common which compromise the security of personal and sensitive information. So, from this subject I will examine legal, ethical and professional issues related to the inspection and protection of information assets. Since this subject covers the detection of and reaction to information security threats, I can develop an information security plan to protect an organization.