eGov App Hack

Group Assignment 03

IS2113 - Community Informatics

Group Project - Team I

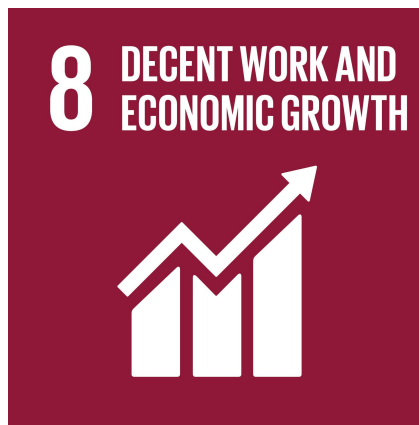| Member Name	Index No	Work Undertaken
M.S. Aamir Ali	18020062	Sources for data and information needed.
D.M.I.A. Dissanayake	18020161	Problem identification and its importance.
K. N. H. Fernando	18020216	The population segment targeted.
W.H.M.Gunathilaka	18020275	Possible negative effects of the service.
H.A.A.G. Jayawardena	18020364	Less suitability of other channels.
W. J. Y. Perera	18020577	Incorporation of Government institutions.
P. B. W. Seneviratne	18020755	The functionalities of the proposed app.
P. J. Joysan	18020372	Title and relevant SDG selection.

Content

1. The title.

The title we gave to our app was **DreamCareer.lk**. The reason to put this name was that every youth has a dream to get a good job and this will directly help them to get a government job and to develop their skills as well.
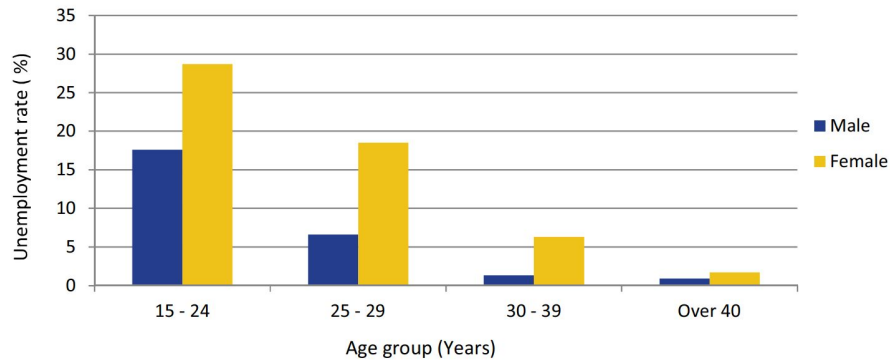

2. Identifying the SDG - Decent Work and Economic Growth

The reason why we selected SDG 8, Decent work and economic growth is that we can address one of the major issues in Sri Lanka which is the unemployment of the youth. Since there are many apps and websites for non government opportunities we thought of going with an app for the government job opportunities with some additional benefits like empowering them with online programs and other value deliveries for the field we were focussing with the help of the governmental departments and institutions.

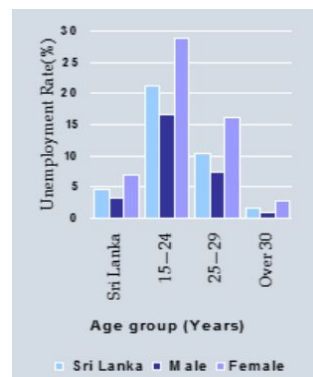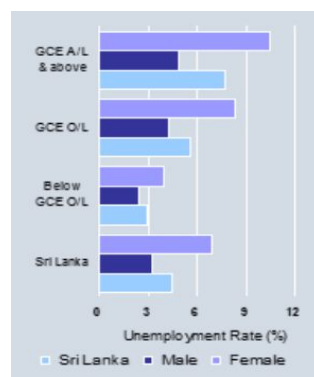## 3. Problem identified for solving and why it is important.

The problem identified under the SDG 'Decent Work and Economic Growth' is unemployment. Unemployment is defined as 'Persons available and/or looking for work, and who did not work and took steps to find a job during the last four weeks and ready to accept a job given a work opportunity within the next two weeks are said to be unemployed.'

Source: Department of Census and Statistics

The unemployment rate is the number of people actively looking for a job as a percentage of the labour force. According to Sri Lankas' Labour Force Survey 4th Quarter in 2019 released by the Department of Census and Statistics, the number of unemployed persons is estimated as 387,460 during the fourth quarter of 2019. The unemployment rate for the fourth quarter of 2019 is 4.5 percent.

Level of Education	Sri Lanka	Unemployment Rate (%)		
	Sri Lanka	Sri Lanka	Gender	
	Number		Male	Female
Sri Lanka	387,460	4.5	3.2	6.9
Below GCE O/L	146,840	2.9	2.4	4.0
GCE O/L	81,010	5.6	4.2	8.4
GCE A/L & above	159,610	7.7	4.9	10.4

Labour force participation rate (LFPR) is defined as the labour force population as a percentage of the population, age 15 years and over.

We can see a decline in the LFPR in recent years, and if this continues, then opportunities for economic growth with an expanding labor force will disappear much faster. To maintain robust economic growth, Sri Lanka requires a combination of higher labor force participation, expanded employment opportunities, and increased rates of productivity growth.

Year	Total	Male	Female
2015	53.8	74.7	35.9
2016	54.1	75.1	36.0
2017	54.1	74.5	36.6
2018	51.8	73.0	33.6
2017 Q4	54.1	74.9	36.4
2018 Q4	52.2	73.2	34.3
2019 Q1	52.6	73.4	34.9
2019 Q2	52.6	73.4	34.6
2019 Q3	52.2	72.9	34.1
2019 Q4	51.9	72.2	34.3

As a solution, we are suggesting an app that is maintained by the government which acts as a platform that displays jobs. It is also a portal that connects users to various courses and training programs that aim to increase productivity growth.

4. The population segment targeted.

When considering the population which we will be focusing on would be the fresh graduates or the diplomats from local universities under the age of 35 who qualify the requirements specified from the particular Government institution.

Table 8: Number of Unemployed and Unemployment rate by age group and gender – First quarter 2020

Age group (Years)	Sri Lanka Number	Sri Lanka Unemployment Rate (%)	Gender Male	Gender Female
Sri Lanka	483,172	5.7	3.7	9.6
15—24	266,743	26.8	21.1	36.3
25—29	94,561	11.6	7.1	18.9
Over 30	121,867	1.8	0.8	3.8

Therefore this would have a National level scope as all the government institutions have the ability to publish vacancies and also to get the CVs from the system when the applicants submit them and to notify and to have direct communication via the app we will be introducing. It will ease and transparent the recruitment process of those institutions and additionally it will help the government officers and the applicants to have virtual interviews

via this system, which will reduce the additional cost they have to spend on the recruiting process and it will be pretty much helpful to face situations like COVID19 where the travelling is restricted to a certain level.

5. Justify why other channels.

❖ Some government job vacancies are advertised on television and radio, but the thing is we wouldn't be able to find it on time. However, by using this app, we can easily find the ad on TV, because this app is available all the time. Not online that this app offers courses for job seekers. So other channels are less suitable for doing a course.

❖ Government job vacancy ads are more detailed than private job vacancy ads.So we can find that detailed information in newspapers rather than on television and radio. Sometimes we miss buying newspapers because of our busy schedules. So you can use this app at any time and find such information easily.

❖ Other channels are not fast. This is because when the government officially releases a vacancy or courses , it is not available to us through television or radio at the time of its release. But using this app is faster than other channels.

❖ SMS and phone calls are less secure. The information we receive about government announcements cannot be verified.

❖ Using an app is time saving.

❖ It is difficult to find what we want through television, radio, text messages. But this app contains every detail. It is divided into sections and it is easy to find what we need by searching through this system.

❖ This app also contains previous ads. If a person wants to find pre-ads for their stuff, this is an easier way than spending time reading most newspapers.

❖ Of course we can see competition in finding government jobs. Your delays can cause you to lose your job. So using the app over the internet is faster than anything else. It gives you many benefits and happiness too. You do not have to worry about losing the opportunity. There are many opportunities in the app and it is always up to date.

6. The functionalities the app would provide.

First both government institutions and job seekers should register under our mobile app by providing details such as institution name, address, contact number, username, password respectively. Once an account is created government institutions are provided with the following functions.

❖ **Post a job**
Through this option government institutions can publish their job vacancies by filling a form. In that form our app gathered information like institution name, address, email, contact number, job description, number of vacancies, job deadline etc.

❖ **View posted jobs**
Institutions can post several jobs. Therefore the institution should be able to view the vacancies through their profile. Our application displays all the vacancies posted by a certain institution and also the candidates who applied for that particular vacancy.

❖ **Schedule interviews / exams**
This app provides a function to schedule interviews or exams for the selected candidates of a particular vacancy. Once the institution scheduled an interview / exam, selected candidates get notified and they can accept the date or request for another day.

For job seekers, our mobile application provides following functions:

❖ **Search jobs**
It's easy to search jobs through our app because we categorized job vacancies in a very efficient way. First candidate has to select a job category and he can filter the jobs by entering the job title that he is looking for.

❖ **Apply for a job**
After searching, a job seeker can apply to the particular job by filling a form which is provided by the mobile application. It gathered necessary data such as applicant name, address, contact number, email etc. and also mobile app provides option to upload curriculum vitae.

❖ **View applied jobs**
One job seeker can apply for many vacancies. So our app shows the list of jobs that were applied by the applicant in his profile wizard.

As a solution to unemployment our application builds a platform which government institutions can post and schedule skill development programs related to particular job

vacancy. Job seekers can easily apply for those programs through our mobile app and can improve their skill set which needs to perform well in that job area.

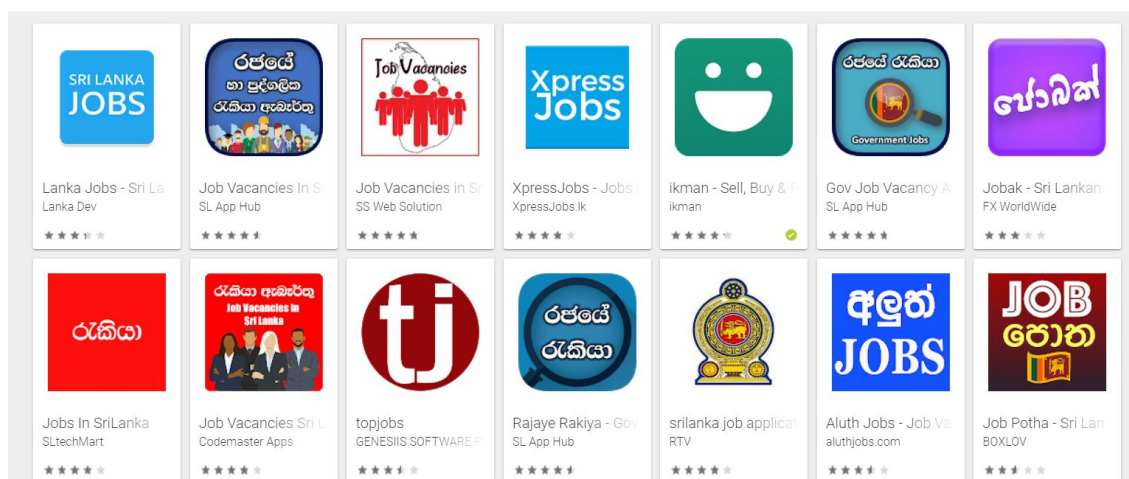## 7. Sources of any data/information that are needed.

As we planned, build an app for the government to provide the Government job opportunity to the citizens by developing the SDG category – "Decent work and economic growth."

Sources of any data/ information that are needed are various upon the condition. Before we implement the app, we have to gather the requirements and analyze the data that we gathered.

Department of Census and Statistics

The Department of Census and Statistics has a separate department for the employment division.we can collect the data/information about the unemployed people, especially about the targeted unemployed graduates.

Based on the data collected we can move to build the application. Today, smartphones and mobile internet connections have made it easier for citizens to collect government Job opportunity information. There are some job publishing apps also that we can get involved and get information about the job opportunity. But, we collect the information about the previously available apps and discrete the functionalities from our app.

So our app has more functionalities than previously available applications.In here we combine the job opportunities and the government institute who provide the online e-Government courses. And the regional government also has to publish job

8

opportunities.However, all the information needs to be collected and published though this application.So, information collectors should be aware of all the other regional governments. And also, we need to consider the government internal IT sector who are going to manage this app administration to update information about the government jobs and online courses. If the IT department is inactive this might be the worst situation to implement such an application.otherwise, if active it's work in real time and is more reliable.

8. Government institutions which would need to be incorporated for providing the service.

We planned to provide access to all government related institutions to publish their job vacancies through the app.

- ❖ Commercial corporations
    - ➢ Ex: Bank of Ceylon and Ceylon Electricity Board
- ❖ Government owned companies
    - ➢ Ex: Lanka Fabrics Ltd and Building Materials Corporation Ltd
- ❖ Government ministries
    - ➢ Ex: Ministry of Agriculture and Ministry of Economic Development
- ❖ Government agencies
    - ➢ Ex: Information and Communication Technology Agency of Sri Lanka and Board of Investment of Sri Lanka
- ❖ Government departments
    - ➢ Ex: Department of Agriculture and Department of Examinations
    - ➢ For skills development:
- ❖ Ministry of Skills development and Vocational Education Sector
- ❖ National Library and Documentation Services Board (Online courses)
- ❖ University of Colombo online training courses

9. People groups who would NOT be able to use the service.

❖ **Vision disability**
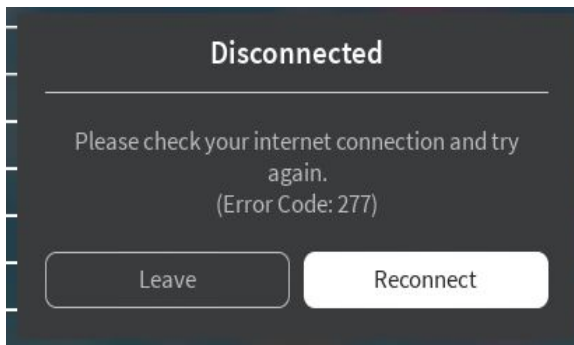If some person has some kind of an issue with the vision then they can't properly access our system and use the system.

❖ **Availability**
Internet access availability depends on the level of accessibility of the web .There are many ways to connect to the internet but if the user has not any type of connection then the user has not any type of connection.so the user can't properly access our system and use the system.

❖ **Knowledge issues**
Then someone has an issue with technological knowledge, using the internet and accessing Digital devices. The digital divide is the gap that exists between individuals who have access to modern information and communication technology and those who lack. Same happens if a person doesn't have digital devices for access to the internet.

10. Possible negative effects of the service.

❖ **Digital divide**
The government should be aware that everybody hasn't consistent access to a computer or the internet.

❖ **Technology Issues**
This process involves filling out an application,the government may miss out on qualified candidates who would rather send a resume.There's always the possibility that the application system may operate slowly or lose information during the submission process.

❖ **Bugs and data crashes**
The poorly designed application form, or the app itself, can contain bugs that cause it to periodically dump entered data, crash entirely or fail to submit even when the applicant has completed all fields.

❖ **Automatic weeding**
Another consideration is that some government offices and companies may employ filtering software that automatically discards some applications because the applicant does not meet specific criteria.

❖ **Security issues**
Job applications often request sensitive information that could be used to steal an applicant's identity or commit financial fraud.

❖ **Impersonal methods**
Because much of the online recruiting process may involve emails and possibly telephone interviews, it can be viewed as somewhat impersonal.

❖ **High competition**
Just about anyone with qualifications with Internet access can apply to a job, and the government can receive volumes of résumés and cover letters. That can compromise the amount of time government employers can spend reviewing them.

＊ ＊ ＊ ＊ ＊ ＊