Final Year Project Showcase Batch-2017
Year 2021

Department: Computer Science & Information Technology	
Programme: Computer Science & Information Technology	

1	**Project Idea**	**Mobile Application-Based Security Alert System for Women (Muhafiz)**
2	**Process**	An automated process starts whenever the emergency occurs.
3	**Outcome**	The outcome of this application (Muhafiz) is to help women cope with harassment when no one is around for help. It is a mobile application that will aid them to get help immediately on a single click in case of an emergency. It usually happens that women go through a quiet place often on the way back home and that's the peak time for the evil people to attack. If something happens, it is almost impossible that there would be some cops around or someone to call for help. So, the smartphone will help in this situation. Almost everyone has a smartphone nowadays.
4	**Evidence (Theoretical Basis)**	The issue of women security can be seen on TV, therefore we met with various authority members to collect the issues and also read the research papers related to the security aspects.
5	**Competitive Advantage or Unique Selling Proposition** (Cost Reduction, Process improvement, Attainment of any SDG (Sustainable Development Goal), increase of market share or capturing new market or having superior performance over a competitor. In summary, any striking aspect of the project that compels the industry to invest in FYP or purchase it. Some detailed description is required in terms of how, why when what. You can select one or more from the following dropdown and delete the rest of them). Please keep relevant options, delete the rest of them, and correct the sequence	
a	**Cost Reduction of Existing Product**	Infact more funds are needed.
b	**Process Improvement which Leads to Superior Product or Cost Reduction, Efficiency Improvement of the Whole Process** (e.g. What is the issue is current process and what improvement you suggests)	Although we have an existing system but for effectiveness and rapid response for the women safety, we have developed a working model of this application and to deploy this in large scale we need heavy computing systems.
c	**Attainment of any SDG** (e.g. How it is achieved and why it is necessary for the region)	**SDG#5, Gender Equality**
d	**Expanding of Market share** (e.g. how it expand and what is the problem with the current market	This application needs Governement's help in order to promote and monitored rigorously.
e	**Capture New Market** (e.g. Niche market or unaddressed segment)	Unaddressed segement (or improvement in existing security mecahnism)
f	**Any Environmental Aspect** (e.g. carbon reduction, energy-efficient, etc.)	NA
g	**Any Other Aspect (Women Empowerment)**	The prime focus of this application is to prevent the daily harassment attacks that happen in schools, colleges, universities, and workplaces. For this, the students have developed the panic

		button which will alert one of the designated contacts of the user along with the user's current location via SMS or WhatsApp so that the alerted person could reach the victim's location for rescue. The second prime focus is to help women report the cases to help spread awareness to other women. For this, they have added the report cases feature in which harassment incidents that have taken place in the past can be reported so that one can take precautionary measures before going to such places where the risk of harassment is high. Moreover, there are other features which are call helpline, call family, look up for nearby safe locations, women safety awareness, chatbot, etc.
6	**Target Market** (Industries, Groups, Individuals, Families, Students, etc) Please provide some detail about the end-user of the product, process, or service	Mobile Application-Based Security Alert System for Women (Muhafiz) is a women safety mobile application which will help women cope with emergency situations immediately, such as harassment, abduction, attacks, etc. which they usually face while going to work, educational institutions, or anywhere outside their houses. It may be from a simple suspicious person around her, or someone catcalling her to an abduction or an assault. Because of the rapidly increasing cases of sexual harassment and violence, an app to help women deal with emergency situations was very much needed.
7	**Team Members** (Names & Roll No.)	Ujala Adil Yousuf (CT-024) Romaisa Liaqat (CT-019)
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10	**Pictures (If any)**	--
11	**Video (If any)**	--