

Appendix 2.2

Report of International Conference Presentation

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(Presenter)							
Affiliation:	University of Computer Studies, Yangon (UCSY), Myanmar						
Project Title:	Context-Aware Disaster Mitigation using Mobile Edge						
	Computing and Wireless Mesh Network						
Name of International Conference:	2021 IEEE 10th Global Conference on Consumer Electronics						
(Link to website)	(GCCE 2021);						
	IEEE GCCE 2021, Kyoto, 12-15 October 2021 (ieee-gcce.org)						
Title of Research Paper:	Effective Evacuation Route Strategy for Emergency						
	Vehicles						
Name of all Co-authors (if any)	K-zin Phyo(UCSY), Tham Mau Luen(UTAR), Yasunori Owada(NICT), Nordin						
	Bin Ramli(MIMO), Suvit. Poomrittigul (PIT)						

Comments or feedback received at the conference:

(e.g. Questions or comments received by your presentation)

Is this system possible to extend other complex and unstructured road network ?

Contribution to the project:

(e.g. Summary of your session or other sessions related with your presentation)

In this research, a unique optimization algorithm based on Dijkstra's algorithm has been upgraded, including the addition of certain parameters and conditional statement of roads to find the effective evacuation routes and better implementation of the safest and convenient routes.

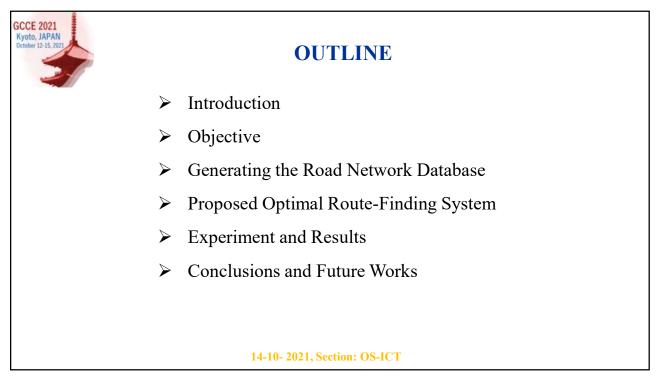


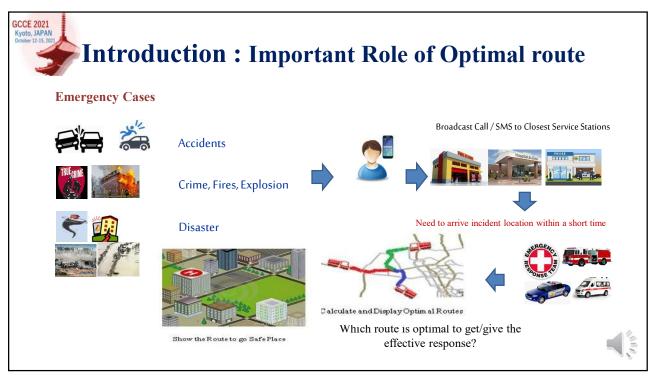


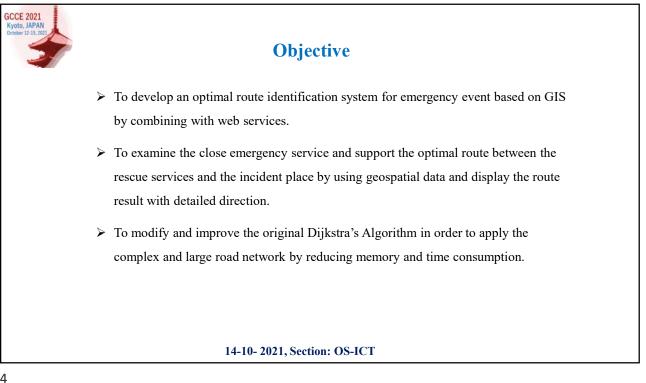
[Required Documents]

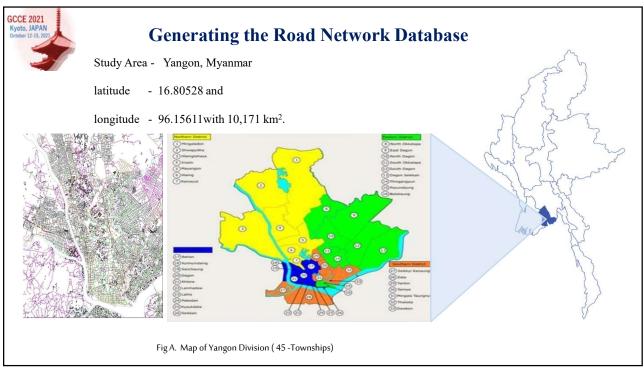
- A) Presentation Materials (e.g. PPT slides)
- B) Final Program of the conference

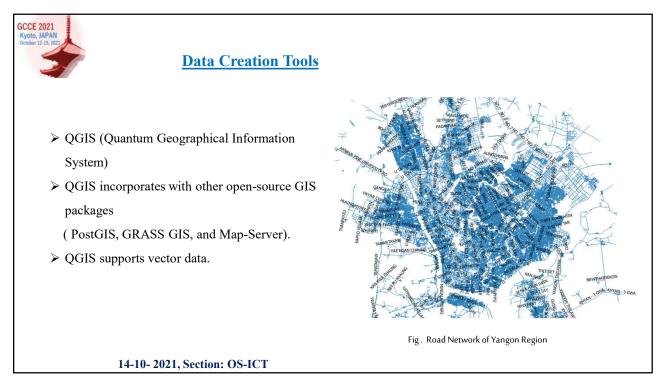






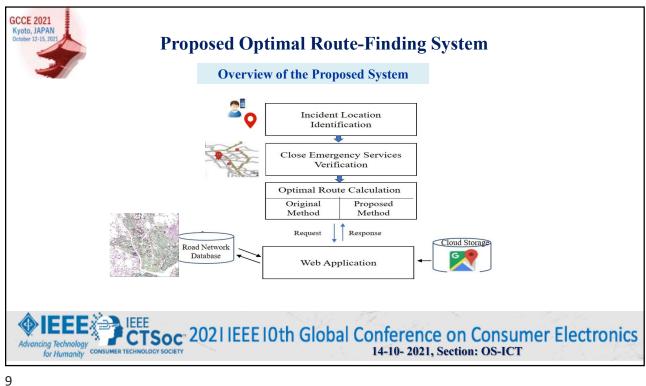




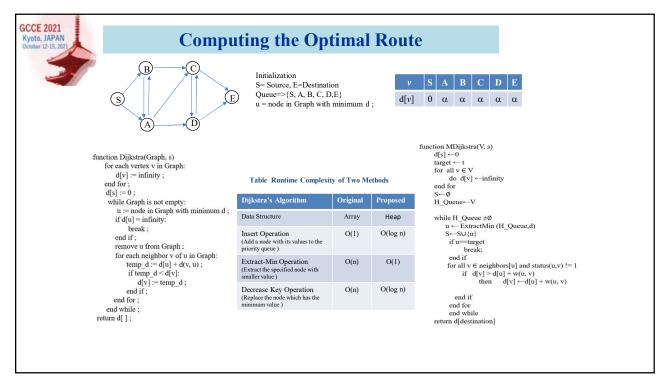


	ollecting th						cation data of road, latitude, longitude pitals and Clinics, Fire force station, Police Stations)					
41 Fire force Stations				Massing a car		85 Hospitals and Clinics		50 Police Stations				
No.	Name	Latitude	Longitude	No.	Name	Latitude	Longitude	No.	Name	Latitude	Longitude	
1	Central Fire Station	16.779591	96.152645	1	South Okkalapa Women and	16°50'40.63"N	96°11'12.26"E	1	Bayint Naung Police Station	16°51'0.35"	96° 6'17.30'	
2	Hmawbi Fire Station	17.106246	96.060307	2	Children Hospital Pacific Medical	16°49'2.05"N	96° 9'21.93"E	2	Pazundaung Police Station	16°46'43.29	96°10'19.12	
3	Kyauktada Fire Station	16.776082	96.158498	3	Center Insein General	16°53'31.01"N	96° 6'18.43"F	3	Pabedan Police Station	6°46'31.15	96°10'15.04	
:	Sallon				Hospital	10 55 51.01 1	50 0 10.45 2	:	Kyauktada Police	16°46'38.59	96°10'29.38	
:				:				:	Station			
:				•				:				
39	Ahone Fire Station	16.8366687	96.0762595					48	Tamwe Police Station	16°48'1.96	96.0762595	
40	Kyeemyindaing Fire Station	16.812479	96.122159	84	Sakura Medical	16°47'46.09"N	96° 7'50.14"	49	Yankin Police Station	16°50'6.42	96° 9'38.51	
41	Sanchaung Fire Station	16.804094	96.133036	85	Centre North Okkalapa	16°54'2.17"N	96° 9'29.06"E	50	Botahtaung Police	16°46'17.57	96°10'18.43	

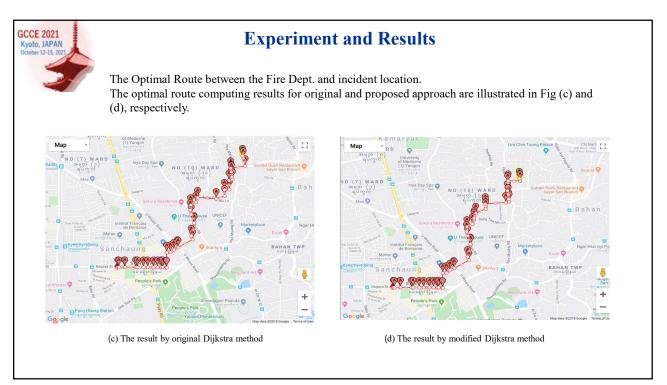


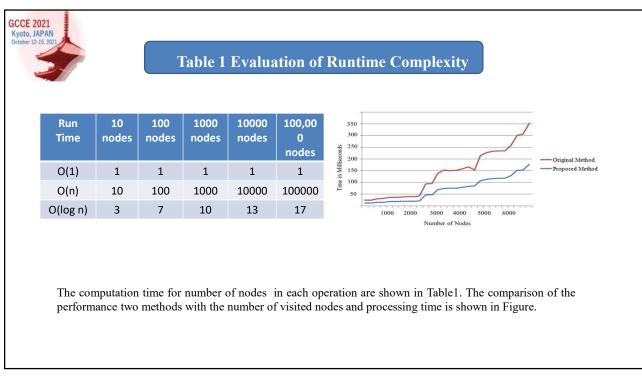


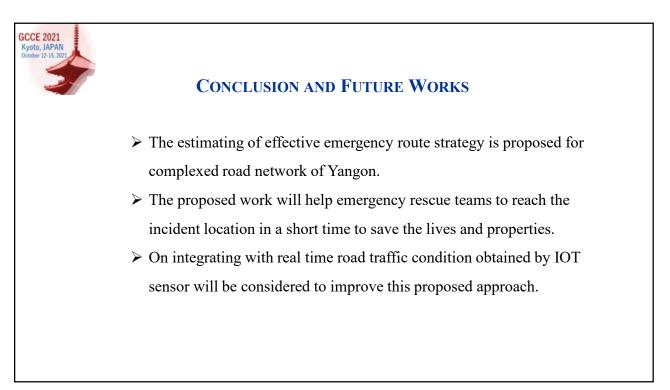














Thank You

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