



Positive and Willing to take any Challenge

Visa States:

UAE Resident & Immediately available

Current Address:

UAE

Phone: +971569759784

(Call, Whatsapp, BOTIM)

E-mail:

kanchanaresearch2023@gmail.com

Linkedin:

<https://www.linkedin.com/in/kanchana-rajapaksa-a3b01511b/>

Youtube:

<https://www.youtube.com/channel/UCvhm9FHHny8G06jiJuuvNmg>

Researchgate:

<https://www.researchgate.net/profile/Kanchana-Rajapaksha-2>

Portfolio - Kanchana Rajapaksa IT/UAV/GIS (+971569759784)

Commercial UAE RPAS Certified with UAE Vehicle Licence

I aspire to work for an industry recognized organization, while gaining practical career experience and solidifying a reputation in the industry as a passionate, honest and hard-working individual. Furthermore, I am a positive thinker and willing to accept any challenge in the field of IT. I can do IT Developments, IT Support, IT Audit, IT Cyber Security, IT Databases, Drone Training and GIS Analysis

Skills

- Manual or Automatic Drone Missions
- SQL Server, C#, PHP, SQL, MySQL, Oracle Apex
- ArcGIS, ArcGIS pro, QGIS, ArcGIS online, ArcGIS Server
- ESRI Suit of Products
- Digitize, Map make, DGPS & GPS
- Drone Mapping (M300 & Phantom 4)
- Pix4dmapper, DJI Terra, Drone Deploy
- Drones / GIS Lecturing and Training
- 2D and 3D mapping, Data Analyzing, Report preparation
- Geographic concepts, Coordinate systems, Geo Server, Leaflet
- IT Web Design, Programming, Database, Audit and Security
- Data visualization, Cartographic design, Google API, Javascript
- Drone/ GIS Training, Python Programming

Achievements

- Successfully implemented and managed IT projects in the Defence Ministry (14 years) 🇦🇪
- Successfully managed the HSBC middle east sites (2 years) 🇦🇪
- Achieved best team of the quarter award in 2 times – HSBC 🇦🇪
- Successfully conducted cyber security trainings for more than 20 no of batches of the undergraduates (5 years) 🇦🇪

Experience

Drone/GIS Solutions Engineer– (Dynatech Innovations)

09/2023 to 12/2023

Dubai, United Arab Emirates

Web:

www.lk-solution.com

Languages:

English – Good

Sinhala – Good

Volunteer Activities:

Lions Club Member

CSR activities – HSBC

Life Saver of Elephant

Intrusions Attacks to

Humans

Non-Related Referees:

1. Major General (Retired)

Renuka Rowel RWP, USP,
ndu, psc

Former Director,
Center for Defence
Research and Development,
Sri Lanka

rowelrenuka@yahoo.com
+94766114870

2. Mr. Ranjan Dommanige

Chief Quantity Surveyor

C&P Team for Traffic &

RoadsAgency,

Contracts & Purchasing

Department,

Roads and Transport

Authority,

PO Box:118899,

Dubai,

UAE

+971556756281

Ranjan.Dommanige@rta.ae

Job Profiles –

- Provide Drone/ GIS solutions for the MENA region and worldwide (Power line inspection, Solar Panel inspection, Oil leak inspection, Survey & Mapping, Surveillance, Fire and Rescue mission. Construction Inspection, General inspection, Indoor Inspection, Drone/ GIS Training and Drone/ GIS Technical Support)

IT/GIS Officer – (Ministry of Defence)- SL Navy

08/2010 to 02/2024

Colombo, Sri Lanka

Job Profiles –

- IT/GIS Applications implementation & maintenance (Drone Survey, GIS Maps, Web and Mobile applications)
- Training of users to the IT/ Drones / GIS
- Troubleshoot the IT related issues and computer peripherals
- Overall management and maintenance of the IT/GIS systems in the organization

Web Associate / Customer Service Executive - 02/2005 to 08/2010

(HSBC , Colombo - Sri Lanka)

Job Profiles –

- Created, tested, debugged and documented the web security maintenance in the HSBC web sites
- Worked directly with end-users to maximize the efficiencies and user-friendliness.
- Met all required deadlines with the US and Middle east customers

Computer Technician – 2004 to 2005

David Peris IT Company, Colombo - Sri Lanka)

Job Profiles –

- Managed the existing software and hardware
- Investigated and solved any type of computer systems problems
- Solved the computer network and hardware problems of the vendors

Qualifications

- Bachelor of Science (Management Information System)

University College Dublin, Ireland (2009) 

- Master Business Administration (Information Technology)

University of Moratuwa, Sri Lanka (2019) 

Thesis – Information security & ISO 27001 implementation

- MCP - Microsoft Professional, USA (2006) 

- Advance and basic course of Geographic Information Systems

University of Peradeniya, Sri Lanka (2020) 

SOME OF IT SYSTEMS DEVELOPED AND MANAGED

<https://lk-solution.com>

<https://www.lk-solution.com/index-Mar-2024.html>

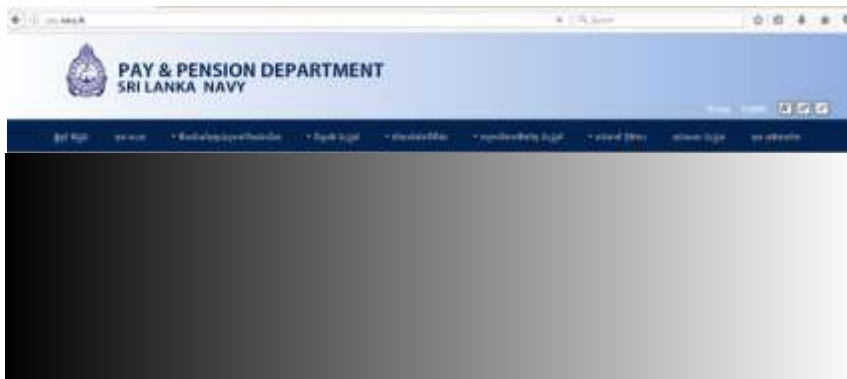
<https://lk-solution.com/index-phishing.html>

<https://lk-solution.com/leaf1.html>

<https://www.onixex.com/#/home> (Completely done the VAPT)

<https://lk-solution.com/shed/SENC.php>

<https://www.bestemaxn.com/#/> (Half done the VAPT)



CAREER OF KANCHANA

The poster is for a webinar titled "Webinar on Drone Application as a Modern platform for Research Activities". It features a circular portrait of Kanchana Rajapaksa, a man in a suit and tie. The background is a green field with a drone flying over it. The text on the poster includes:

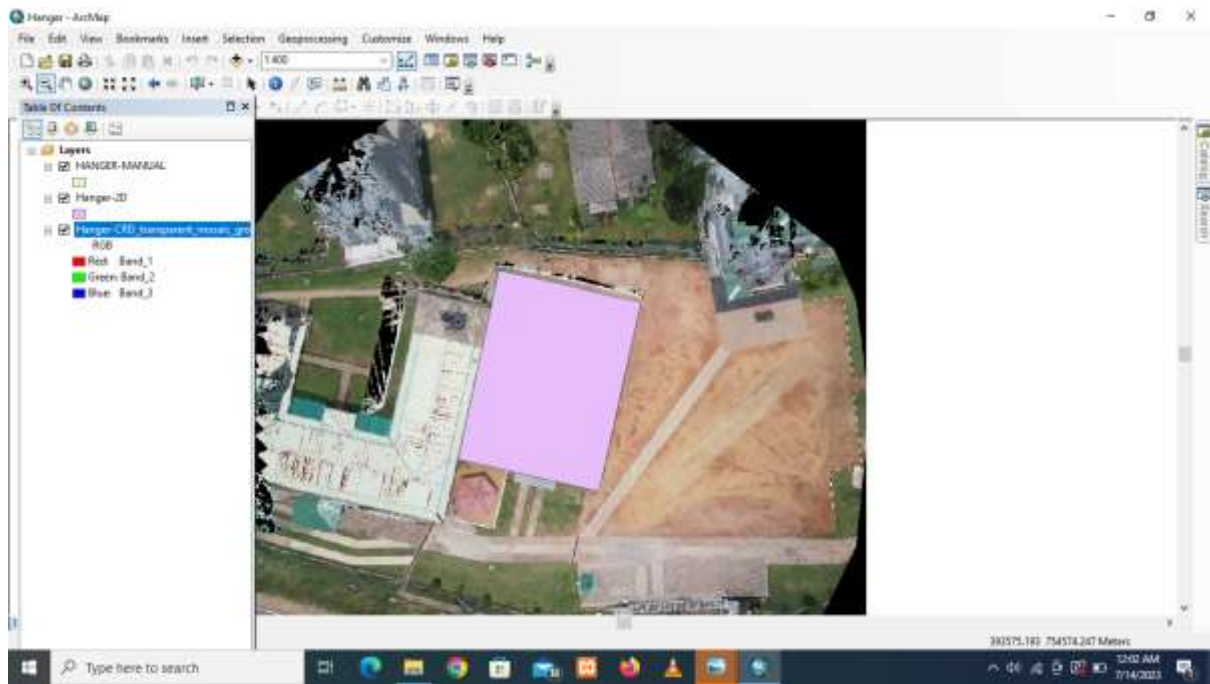
- Webinar on Drone Application as a Modern platform for Research Activities
- Kanchana Rajapaksa
- PhD Cyber security (R) University of Jayewardenepura
- MBA Information Technology (University of Moratuwa)
- B.Sc (Dublin, Ireland)
- Zoom Meeting ID: 091 800 1388
- Passcode: 54111710
- 10 AUG 2022 | 02.30 PM
- ORGANIZED BY: THE DEPARTMENT OF GEOGRAPHY, FACULTY OF ARTS AND CULTURE, SOUTH EASTERN UNIVERSITY OF SRI LANKA

South Eastern University of Sri Lanka – Drone/GIS Lecture (Virtual)

DRONE / GIS PROJECTS (COMPLETED)-

Data Collection - 2D MAPPING:(Using the M 300 drone and Pix4dmapper software – 300m altitude)



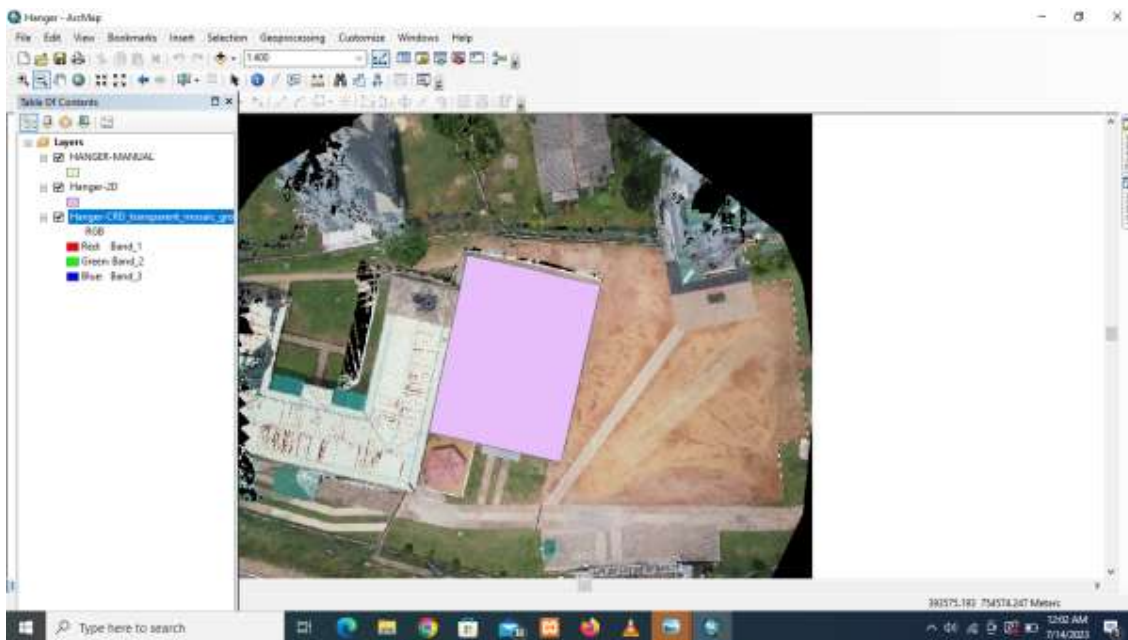
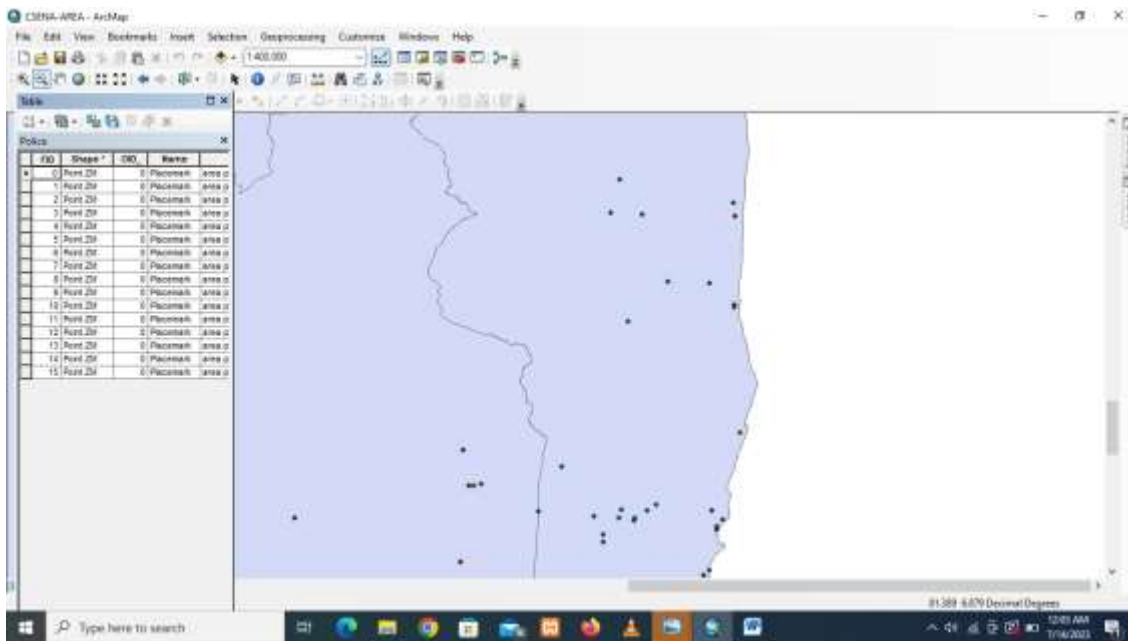


Data Collection - 3D MAPPING: :(Using the M 300 drone and DJI Terra software)



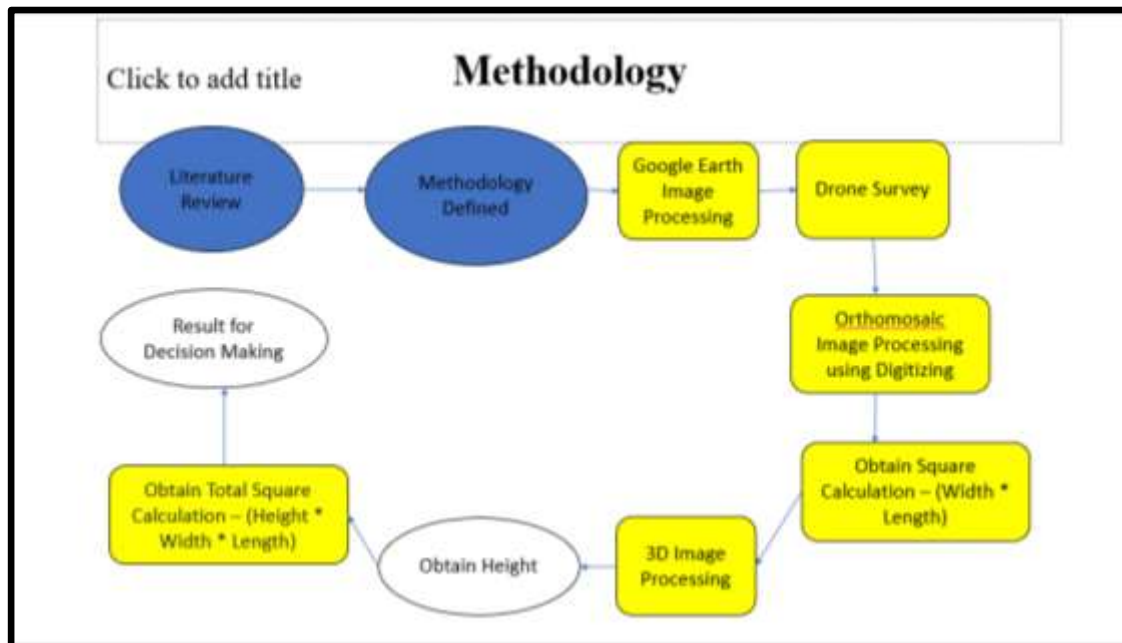


GIS ANALYSIS: (Plotting the exact locations in ArcGIS)



GIS Knowledge:

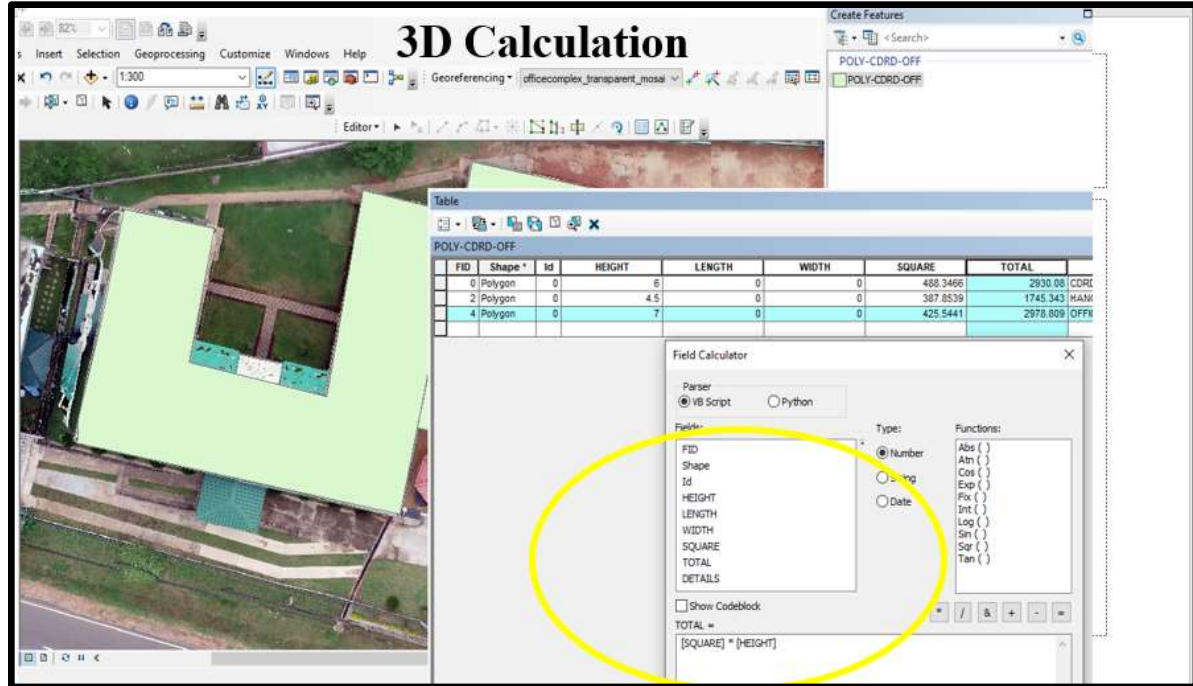
- Building Mapping Using Smart Building Management



2D Calculation

The screenshot shows the ArcMap interface with a 'Calculate Geometry' dialog box open. The dialog box is set to calculate the area of the selected polygon in square meters. The table below shows the results of the calculation.

FID	Shape	Id	HEIGHT	LENGTH	WIDTH	SQUARE	TOTAL
0	Polygon	0	0	0	0	488.3405	2930.08
2	Polygon	0	4.5	0	0	387.8539	1745.343
4	Polygon	0	7	0	0	425.5441	2978.809



Data Collection - THERMAL DRONE PROJECTS : (M 300 drone with H 20 – 2 Elephants visible at night)









Short Summary

Experience:

I worked for Center for Research and Development in Sri Lanka as a Drone/GIS/IT research officer and involved in many of the national level Drone/ GIS projects. In fact, I have engaged with natural disaster rescue missions and protected many human lives. I have commanded by the research institution for my research studies as well. One example of the GIS project is, rescue mission of the Meetotamulla Garbage Dump in Sri Lanka (<https://disaster.lk/meethotamulla/>). I have involved in overlapping of Drone image of the disaster area with Remote Sensing image of previous month to take the exact location (lat, lon) of affected houses. Based on this GIS map, the rescue team directly searched the area and saved human lives.

My strengths:

I can do comprehensive spatial data collection through Drones video/ images, GIS Server, Past Data, GPS, Manual or using Drone survey. Furthermore, I can develop (through Digitizing and Attribute table filling or using GIS

Server) relevant maps using web based or ArcGIS application to show in an ArcGIS online, Google API web site (Dynamic) or presentation (Tiff or Orthomosaic image). I can troubleshoot the coordinate problems and other spatial data related problems in the maps as well. The ArcGIS pro, ArcGIS Server and ArcGIS online platforms are known to me and love to work and develop with these modern day technologies.

I am keen about learning and can grab any newest technologies within short period of time. During my tenure, I have participated for many ESRI events in Sri Lanka by representing the Defence Ministry. Furthermore, I have published GIS related Articles Maps in several exhibitions and international forums. I have sent my GIS projects to ESRI competitions as well.

Drones/ GIS Related Projects

Involvement:

I am a Drone flyer in Sri Lanka and I have involved with life threaten activities of protecting humans from wild elephants instruction attacks and prevention through drones thermal imagery (https://www.linkedin.com/feed/update/urn:li:activity:6890118209828192256/?updateEntityUrn=urn%3A%3A%28urn%3A%3Aactivity%3A6890118209828192256%2CFEED_DETAIL%2CEMPTY%2CDEFAULT%2Cfalse%29&originTrackingId=ZP5bvr%2FvRv%2BpOwQpKYsAug%3D%3D). The wild elephants search through drones in the night and the location (lat, lon) information was passed to wild life conservation authority to take the protection actions. According to the Drone Survey, I have prepared the GIS maps for plan the future activities.

The GIS mapping I extended for the 3D mapping concept and mapped building through (Pix4dmapper software with Drone 3D image). I could provide comprehensive building mapping without reaching to the buildings and provided results for the building maintenance as well (https://www.linkedin.com/feed/update/urn:li:activity:6928032616256323584/?updateEntityUrn=urn%3A%3A%28urn%3A%3Aactivity%3A6928032616256323584%2CFEED_DETAIL%2CEMPTY%2CDEFAULT%2Cfalse%29&originTrackingId=ZP5bvr%2FvRv%2BpOwQpKYsAug%3D%3D).

[3Ali%3Afs_updateV2%3A%28urn%3Ali%3Aactivity%3A6928032616256323584%2CFEED_DETAIL%2CEMPTY%2CDEFAULT%2Cfalse%29&originTrackingId=SCWi7T%2FbRf%2B3luju1nqoAg%3D%3D](https://www.seu.ac.lk/fac/images/geography.jpg)).

Finally, I am a student loved trainer in the field of Drones/ GIS . I have lectured to many no of Defence Officers in their Young Officer Training Courses about the GIS subject and renowned lecturer for Drones and GIS in many Sri Lankan universities (<https://www.seu.ac.lk/fac/images/geography.jpg> and https://media.licdn.com/dms/image/C5622AQFji_KSVrHo2w/feedshare-shrink_480/0/1668203306868?e=1695859200&v=beta&t=OWBpeMdCdMokz5JbNRcql7Flick-zyutqftKL8UNdAQ). I am a Drone trainer for the Mali mission teams in the Sri Lanka Army.

Career Advancement:

Hence, it is requested to offer me the Drone/GIS/IT Specialist to work for my best to gain better services to the organization, with the use of my 13 years of experience in Drones/ GIS Projects. I would like to build up my career with your organization and guaranteed the future success in UAE. Hoping a positive and favorable reply from you to serve as my best and my resume with portfolio is attached herewith. If you have free time to allocate, I would like to come and brief my Drone/ GIS projects achievements and to obtain your vision to fill the gap of the Drone/ GIS Specialist position. I would like to research and implement the integration of AI to the drone missions and automate the activities of the drones without any human integration. I am willing to accept any Drone related challenges in your organization as well.

Thank you very much for your time and have a nice day!!!