

Organizing Committee:

Chief Patron: Professor Sadhan Chakraborti, *Hon'ble Vice Chancellor, Kazi Nazrul University*

Patron: Prof. Jitendra Nath Roy, *Dean, Faculty of Science, Kazi Nazrul University (KNU)*

Organising Chairman: Mr. Sujay Bandyopadhyay, *Coordinator, Department of Geography, KNU*

Organising Secretary:

Dr. Somen Das, *Asst. Prof., Department of Geography, Kazi Nazrul University*

Mr. Md. Senaul Haque, *Asst. Prof., Department of Geography, Kazi Nazrul University*

Joint Organising Secretary:

Mr. Sasanka Ghosh, *Asst. Prof., Department of Geography, Kazi Nazrul University*

Advisory Committee:

Prof. (Dr.) Susanta Mitra, *Dean, Faculty of Commerce and Management, Kazi Nazrul University*

Prof. (Dr.) Vijay Kumar Bharati, *Dean, Faculty of Arts, Kazi Nazrul University*

Mr. Sitangsu Kumar Guha, *Registrar (OSD), Kazi Nazrul University*

Dr. Sougata Chakraborty, *Finance Officer, Kazi Nazrul University*

Dr. Chaitali Dutta, *Deputy Registrar, Kazi Nazrul University*

Dr. Parimalendu Banerjee, *Asst. Prof., Department of Commerce & DPO (Addl. Charge)*

Prof. Santanu Kumar Ghosh, *HoD, Department of Mathematics, Kazi Nazrul University*

Dr. Mijanur Rahman Seikh, *Asst. Prof., Department of Mathematics, Kazi Nazrul University*

Mr. Sandeep Banerjee, *Assistant Director, Product and sells, SkyMap Global India) Pvt. Ltd.*

Course content:

Day-1: *Basic Understanding on UAV Technology, Basic Operations on SkyMap G-Wing VTOL FW UAV*

Day-2: *UAV Data Processing for mapping, DEM/DTM Generation, 3D City Modelling*

Who can apply?

Faculty, Research Scholars, Students from any university or institution; Administrative officials; any other interested people from different background.

Address for communication:

Participant can visit to the **Office of the Department of Geography, Kazi Nazrul University, Asansol 713 340** for more information.

Or, they can contact with the following phone number: **8001413335/ 9775160309**

How to apply?

Interested participants are asking to apply through provided **Google Form**. The selected participants will be informed through e-mail and will be followed by the deposition of the **registration fees** through **online mode**. Details of Account Number for Registration Fees will be informed later.

Course fees and payment details:

Selected participants are required to submit **Rs. 800/-** as **Registration Fees** within **8th January 2019** through **NEFT** or other online mode and fee payment proof must be sent to **knugeo2017@gmail.com**.

Accommodation:

Registration fees include study materials, lunch and high tea for workshop days. No accommodation will be provided.



TWO DAYS WORKSHOP ON "UNMANNED AERIAL VEHICLE (UAV) DRONE FOR 3D MAPPING APPLICATIONS"

10th and 11th January, 2019



**Department of Geography
Kazi Nazrul University
Asansol-713340**

Introduction:

In the present context, very high resolution spatial data is one of the inescapable inputs for any management planning activities especially for city planning, flood modelling, small scale land use planning and so on.

In most of the cases, freely available spatial data are not capable of capturing very small scale detailed information of an area. In this outset, well developed remote sensing technologies, such as UAV technology can be used for better assessment of the small scale problems.

This workshop aims to aware the willing participants about recently developed UAV techniques and its application in natural resource management. This workshop also aims to gives hands on practice of UAV data collection and processing.

About Kazi Nazrul University:

Kazi Nazrul University was established in 2012 and in July 2013, the University inaugurated its teaching programmes by commencing post-graduation classes in four core disciplines - Bengali, English, History and Mathematics Presently 17 departments are running from Science, Arts, Commerce and Engineering background. The University is situated within a distance of 5 km from the main city of Asansol. The aim of the University is to generate a special genre of citizens with a perfect blend of knowledge, critical skills and values that are indispensable for the future of democratic imagination at home and abroad.

Copy and paste the link in a new tab for application form fill up:

https://docs.google.com/forms/d/e/1FAIpQLSfG1Pxtl a19wx5oDPKcYF1FmRIQ8kBMfyWIVGkm_0IKCRMPkQ/viewform

About the Department of Geography:

The Department of Geography, Kazi Nazrul University starts its journey from 2015 and presently running two master's course namely M.Sc. in Geography and M.Sc. in Geoinformatics. Aim of the Department is to provide quality and career oriented education for the students of the Department. The focus of the department is to let the students learn their courses proficiently which can further make them progressive and empowered in advancement, dissemination and achieving higher education.

About SkyMap Global:

SkyMap Global started working in the South and South East Asia during 2013 and become a fastest growing company in the field of Remote Sensing and GIS applications. SkyMap Global is a worldwide leading company for small scale mapping and preparation of high resolution Digital Elevation Model for using in 3D city modelling, small scale land use planning especially using UAV technology and other advanced technologies.

Teaching faculty:

Mr. Prasenjit Haldar

Additional Director, SkyMap Global (India) Pvt. Ltd.

Mr. Subhanjan Saha

UAV Designer, West Bengal, India

Contact Details of Nearest Hotels:

1. Parbati International: 0341 222 1729
2. Hotel Excellency: 0341 222 1659

Venue and duration:

- Theoretical classes and software part will be conducted in the Remote Sensing GIS Laboratory of the Department of Geography, Kazi Nazrul University.
- Field based classes will be conducted within the University campus.

How to reach the venue:

Distance between Asansol railway station and Kazi Nazrul University is 10-15 minutes by car. Participants can book an Ola cab or take an autorickshaw from Asansol station to reach the university campus.

Bus service is also available for reaching Kazi Nazrul University from Asansol bus stand. Participant can take bus for Kalla Road; it will take 10 minutes to reach in Kazi Nazrul University.

Who may benefit?

The researchers who are working in the field of Remote Sensing & GIS applications in natural resource management or small scale urban studies may get benefited from this workshop. Administrative officials may develop their skill for better management of the urban governance and urban planning based on UAV technology.

Important dates:

Application Start: 3rd January 2019

Application End: 6th January 2019

Participation Confirmation-: 7th January 2019

Payment Date: 8th January 2019

Workshop Date: 10th & 11th January 2019.



Department of Geography
Kazi Nazrul University

Programme Schedule

Training Workshop on 'UAV/ Drone for 3D mapping applications'

Venue: **Seminar Hall, Administrative Building, Kazi Nazrul University**

Chairman: **Sujay Bandyopadhyay**

Coordination: **Somen Das, Senaul Haque, Sasanka Ghosh, Arup Kumar Roy, Abdur Rahaman, Prasanta Ghosh, Arun Singha Deb, Abhijit Gorain**

	10:00 AM - 10:30 AM	10:30 AM- 12:00 PM	12:00 PM - 12:15 PM	12:15 PM - 01:45 PM	01:45 PM - 02:30 PM	02:30 PM - 04:30 PM	04:30 PM - 05:30 PM
Thursday 10 January 2019	Inauguration	(a) Introduction of SkyMap Global (b) Overview of SkyMap Solution (c) Importance of High Resolution Satellite imagery and UAV imagery	Tea break	(a) What is Drone? (b) Types of Drone (c) Design parameter of any Drone (d) Introduction to SkyMap G-Wing UAV	Lunch	Drone fly and image capture	Discussion/ wrap-up
		Prasenjit Haldar		Subhanjan Saha		Subhanjan Saha	
Friday 11 January 2019	10:30 AM - 11:30 AM	11:30 AM- 11:45 AM	11:45 AM - 01:15 PM	1:15 PM - 02:00 PM	02:00 PM - 04:00 PM	04:00 PM - 04:30 PM	
	(a) Application of Drone in GIS (b) DEM/DSM creation using Drone	Tea break	(a) Survey experience and accuracy enhancement on Drone data (b) Subsystems of G-Wing Drone data processing 3D modelling using Drone	Lunch	Hands on training on Drone	Valedictory Session	
	Prasenjit Haldar		Subhanjan Saha		Subhanjan Saha		



Supported by: **SKYMAP GLOBAL**



Department of Geography
Kazi Nazrul University

Training Workshop on 'UAV/ Drone for 3D mapping applications'

Venue: **Seminar Hall, Administrative Building, Kazi Nazrul University**

Date: **10th and 11th January 2019**

List of Participants

Sl. No.	Name of the Participant	Designation	Institute/ Organisation	Email ID	Contact No./ Mobile No.
1.	Rabin Chakraborty	Ph.D. Student	The University of Burdwan	rabingeo8@gmail.com	(+91) 8348488252
2.	Tuhin Dey Roy	Ph.D. Student	University of North Bengal	tuhinnbuapd@gmail.com	(+91) 8768701760
3.	Pranab Dhara	GIS Engineer	PCI Software Pvt. Ltd.	dpranab1991@gmail.com	(+91) 7548959171
4.	Jaidul Islam	Assistant Professor	P.R.M.S. Mahavidyalaya	zaedgeo@gmail.com	(+91) 9564753056
5.	Sanjib Chakraborty	Ph.D. Student	Raiganj University	sanjibconnect1@gmail.com	(+91) 9002975463
6.	Asraful Alam	Assistant Professor	Rampurhat College	geoasraful@gmail.com	(+91) 9734235903
7.	Sayani Bosu	Research Scholar	The University of Burdwan	sayani.bosu@gmail.com	(+91) 8768100806
8.	Arabinda Maiti	Research Scholar	Vidyasagar University	maitiarabindageo454@gmail.com	(+91) 8436353488
9.	Bijoy Krishna Gayen	Research Scholar	Vidyasagar University	bijoygayen123@gmail.com	(+91) 8013362611

10.	Gunadhar Barik	Research Scholar	Vidyasagar University	barikgunadharvu@gmail.com	(+91) 9647002170
11.	Dipankar Das	Research Scholar	University of North Bengal	sanka.ipankar@gmail.com	(+91) 8293718355
12.	Santu Singha	Sub Inspector of Schools Inspection Branch of West Bengal	West Bengal Sub Ordinary Educational Service Inspection Branch	mejiacirc@gmail.com	(+91) 7001048415
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14.	Utsab Mukhopadhyay	Senior GIS Engineer	PCI Software Pvt Ltd	utsab@pciindia.net	(+91) 8013921283
15.	Arghadeep Bose	Research Scholar	North Bengal University.	arghadeepgeo@gmail.com	(+91) 9641175163
16.	Mrinal Kanti Saha	M.Sc. (Geography) Student	Presidency University, Kolkata	mrinalkantisa@gmail.com	(+91) 9733295156
17.	Sunanda Banerjee	M.A. (Geography)	Kazi Nazrul University	sunanda.panerjee95@gmail.com	(+91) 7501514485
18.	Asha Mahato	M.A. (Geography)	Banaras Hindu University	ashamahato28@gmail.com	(+91) 7908253562
19.	Anuva Chowdhury	M.Sc. (Geography) Student	Presidency University	anuvachowdhury11@gmail.com	(+91) 9830633368
20.	Debsmita Das	M.Sc. (Geography) Student	Presidency University	debsmita.das95@gmail.com	(+91) 9547825849
21.	Anmol Kumari Shaw	Student	Jadavpur University	anmolshaw.dns@gmail.com	(+91) 8768892465
22.	Indrajit Chowdhuri	M.A. (Geography)	The University of Burdwan	indrajitchowdhuri@gmail.com	(+91) 9563701296
23.	Akbar Alam	M.Sc. (Geography) Student	Presidency University	akbaralam021295@gmail.com	(+91) 9734857243
24.	Subhradip Saha	M.Sc. (Geography) Student	Kazi Nazrul University	subhradip45@gmail.com	(+91) 9093928045
25.	Koyel Gupta	M.Sc. (Geoinformatics) Student	Kazi Nazrul University	koyelgupta200117@gmail.com	(+91) 8327367448

26.	Syed Samiul Haque	M.Sc. (Geoinformatics) Student	Kazi Nazrul University	syedsamiulhaque2@gmail.com	(+91) 9564434209
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29.	Anindita Dey	M.Sc. (Geoinformatics) Student	Kazi Nazrul University	aninditadey.priyani01@gmail.com	(+91) 7003410624
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31.	Chaitali Dutta	M.Sc. (Geoinformatics) Student	Kazi Nazrul University	chaitalid2014@gmail.com	(+91) 7063883884
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33.	Monidipa Chatterjee	M.Sc. (Geoinformatics) Student	Kazi Nazrul University	monidipaasn@gmail.com	(+91) 9474436286
34.	Rohan Ghosal	M.Sc. (Geoinformatics) Student	Kazi Nazrul University	rohanghosal97@gmail.com	(+91) 8016692149
35.	Provat Das	M.Sc. (Geoinformatics) Student	Kazi Nazrul University	provatdas98@gmail.com	(+91) 8967088122
36.	Pranab Kumar Ghosh	Guest Faculty	Purni Devi Chowdhury Girls' College	pranab.geo@gmail.com	(+91) 9732251074

List of Teaching Faculty

Sl. No.	Name of the Faculty	Designation	Institute/ Organisation	Email ID	Contact No./ Mobile No.
1.	Prasenjit Haldar	Additional Director	SkyMap Global (India) Pvt. Ltd	prasenjit.haldar@skymapglobal.com	(+91) 8584878749
2.	Subhanjan Saha	UAV Designer	SkyMap Global (India) Pvt. Ltd	subhanjan.saha@skymapglobal.com	(+91) 9831191335

Organizers

Sl. No.	Name of Organizer	Designation	Institute/ Organisation	Email ID	Contact No./ Mobile No.
1.	Sujay Bandyopadhyay	Assistant Professor & Coordinator	Department of Geography, Kazi Nazrul University	sujay.bandyopadhyay@knu.ac.in	(+91) 9474916027
2.	Dr. Somen Das	Assistant Professor	Department of Geography, Kazi Nazrul University	somen.das@knu.ac.in	(+91) 8348074801
3.	Md. Senaul Haque	Assistant Professor	Department of Geography, Kazi Nazrul University	senaul.haque@knu.ac.in	(+91) 9911464957
4.	Sasanka Ghosh	Assistant Professor	Department of Geography, Kazi Nazrul University	ghosh.sasanka@knu.ac.in	(+91) 8001413335
5.	Arup Kumar Roy	Guest Faculty	Department of Geography, Kazi Nazrul University	arup.geo10@gmail.com	(+91) 9732173670
6.	Abdur Rahaman	Guest Faculty	Department of Geography, Kazi Nazrul University	go2ratan@gmail.com	(+91) 9830409560
7.	Arun Singha Deb	Guest Faculty	Department of Geography, Kazi Nazrul University	arundebrsgis@gmail.com	(+91) 8420098457
8.	Prasanta Kumar Ghosh	Guest Faculty	Department of Geography, Kazi Nazrul University	gprasanta05@gmail.com	(+91) 9474090809
9.	Abhijit Gorain	Office Staff	Department of Geography, Kazi Nazrul University	abhijitgorain12@gmail.com	(+91) 7866926183