



NATIONAL INSTITUTE FOR GEO-INFORMATICS SCIENCE & TECHNOLOGY

“Training of Master Trainers under Naksha Programme”

February 24 – March 1, 2025

Venue: Conference Room, First Floor, NIGST Building

PROGRAMME SCHEDULE

Course Director: Shri Pankaj Mishra, DSG, NIGST

Course Officer: Shri Yogachandar P A, SS, NIGST

No.T-400/41-D-12(NAKSHA)

Dated the 19th February, 2025.

TIME	TOPIC	FACULTY/EXPERT
DAY-1 , Monday, February 24, 2025		
09:30-09:45	Registration	Technical Section, NIGST
09:45-10:00	Welcome & Introductory Address	Shri Yogachandar, SS, NIGST
10:00-11:15	Introduction and Overview of NAKSHA Programme(L)	Shri Kunal Satyarthi, J.S. , DOLR
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Key Components of NAKSHA Programme	Shri Yogachandar, SS, NIGST
13:00-14:00	Lunch Break	
14:00-15:30	Methodologies for Aerial Data Acquisition (L)	Shri Pankaj Singh Kalam, SS, NIGST
15:30-15:45	Tea/Coffee Break	
15:45- 18:00	Demo and Hands on- GNSS	Shri Bhaskar Sharma, OS Shri Mohan Kumar, OS, Shri Anurag Mishra, Syr, Shri Manuj Kumar, Syr
DAY-2, Tuesday, February 25, 2024		
09.30-11:15	Demonstration of Basic GIS tools (Desktop & Mobile)	Shri Mohan Kumar, O.S., Shri Anand sagar, O.S.
11:15-11: 30	Tea/Coffee Break	
11:30-13:00	Hands on Basic GIS tools (Desktop)	Shri Anand Sagar, OS, Shri Anand Sahu Syr.
13:00-14:00	Lunch Break	
14:00-15:30	Hands on Basic GIS tools (Mobile)	Shri Mohan Kumar O.S., Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr, Shri Anurag Mishra, Syr,
15:30-15:45	Tea/Coffee Break	
15.45- 18:00	Preparation for Ground verification	Shri Mohan Kumar O.S., Shri Anand Sagar, O.S. Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr, Shri Anurag Mishra, Syr,

DAY-3, Wednesday, February 26, 2024		
08:30-13:00	Demonstration on Ground Verification (GNSS/CORS)	Shri Mohan Kumar, O.S. Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr, Shri Anurag Mishra, Syr,
13:00-14:00	Lunch Break	
14:00-18:30	Hands on for Ground Verification (GNSS/CORS)	Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr, Shri Anurag Mishra, Syr,
DAY-4, Thursday, February 27, 2025		
09:30-11:15	Preparation and Finalization of property layers	Shri Mohan Kumar O.S. Shri Anand sagar, OS. Shri. Anand sahu, Syr, Shri Anurag Sharma, Syr
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Demo and Hands on- ETS	Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr, Shri Anurag Mishra, Syr,
13:00-14:00	Lunch	
14:00-15:30	Overview of Web GIS platform and its modules (L)	Faculty from MPSEDC
15:30-15:45	Tea/Coffee Break	
15:45- 18:00	Preparation for Ground verification (GNSS & ETS)	Shri Kameshwar Rao, O.S. Shri Mohan Kumar O.S. Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr Shri Anurag Mishra, Syr
DAY-5, Friday, February 28, 2025		
08:30-13:00	Demo on- Field Verification (GNSS & ETS)	Shri Kameshwar Rao, O.S. Shri Mohan Kumar O.S. Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr Shri Anurag Mishra Syr,
13:00-14:00	Lunch Break	
14:00-18:30	Hands on- Field Verification (GNSS & ETS)	Shri R.V.V. Satyanarayana Syr, Shri Omkar Swamy, Syr Shri Anurag Mishra, Syvr
DAY-6, Saturday, March 1, 2025		
09:30-10:30	Objection and Conflict Resolution(L)	Sh. N.K. Sudhanshu, D.G. Yashada
10:30-11:30	Experience sharing(L)	By Rep of Govt. of Karnataka
11:30-12:30	Experience sharing(L)	By Rep of Govt. of Andhra Pradesh
12:30-13:00	Assessment	Shri. Y.K. Rathod O.S.
13:00-14:00	Lunch	
14:00- 16:30	Group Activity – Complex ground verification exercise	Shri Yogachandar P A, S.S. Shri Pankaj Singh Kalam, S.S. Shri Mohan Kumar O.S. Shri G. Kameshwar Rao, O.S
16:30- 17:30	Course wrap-up, Discussions, Doubt Clearance Feedback, Valedictory and Certificate distribution	Addl.S.G., NIGST/Technical section

(L) – Lecture classes

Sd/-
Pankaj Mishra,
Deputy Surveyor General, NIGST



NATIONAL INSTITUTE FOR GEO-INFORMATICS SCIENCE & TECHNOLOGY

“Training of Master Trainers under NAKSHA Programme”

MARCH 17– March 22, 2025

Venue: Conference Room, First Floor, NIGST Building

PROGRAMME SCHEDULE

Course Director: Shri Pankaj Mishra, DSG, NIGST

Course Officer: Shri Yogachandar P A, SS, NIGST

T&G/ / 41-D-4 (NAKHSA)

Dated 12th March, 2025.

TIME	TOPIC	FACULTY/EXPERT
DAY-1 , Monday, March 17, 2025		
09:30-09:45	Registration	Technical Section, NIGST
09:45-10:00	Welcome & Introductory Address	Head, NIGST
10:00-11:15	Introduction and Overview of NAKSHA Project(L)	Shri Kunal Satyarthi, J.S., DOLR
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Basic Concepts of Surveying (L)	NIGST Faculty
13:00-14:00	Lunch Break	
14:00-15:30	Methodologies of Aerial Data Acquisition (L)	NIGST Faculty
15:30-15:45	Tea/Coffee Break	
15.45- 18:00	Introduction, Demo and Hands on GNSS Rover with CORS	NIGST- Geodesy Faculty
DAY-2, Tuesday, March 18, 2025		
09.30-11:15	Introduction to GIS, Overview of WEBGIS tools & its modules(L)	NIGST – Faculty of Topo & GIS, MPSEDC Team
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Demo on WEBGIS tools (Desktop & Mobile)	MPSEDC Team
13:00-14:00	Lunch Break	
14:00-15:30	Hands on WEBGIS tools (Desktop & Mobile)	MPSEDC Team
15:30-15:45	Tea/Coffee Break	
15.45- 18:00	Preparation for Ground Surveying using GNSS Rovers	NIGST Team –A
DAY-3, Wednesday, March 19, 2024		
08:30-13:00	Ground Survey using GNSS rovers with CORS	NIGST Team -A
13:00-14:00	Lunch Break	
14:00-18:30	Ground Survey using GNSS rovers with CORS	NIGST Team –A
DAY-4, Thursday, March 20, 2025		
09:30-11:15	Preparation and Finalization of Land parcels data layer	NIGST- Faculty of Topo & GIS, MPSEDC Team

11:15-11:30	Tea/Coffee Break	
11:30-13:00	Demo on Drone Instrument & Payloads and MAP-1 deliverables	NIGST-Faculty of P & RS
13:00-14:00	Lunch	
14:00-15:30	Demo and Hands on with ETS	NIGST Team-B
15:30-15:45	Tea/Coffee Break	
15:45- 18:00	Preparation for Ground survey using GNSS Rovers and/or ETS	NIGST Team-B
DAY-5, Friday, March 21, 2025		
08:30-13:00	Ground Survey using GNSS rovers and /or ETS	NIGST Team-B
13:00-14:00	Lunch Break	
14:00-18:30	Ground Survey using GNSS rovers and /or ETS	NIGST Team-B
DAY-6, Saturday, March 22, 2025		
09:30-11:00	Case Study 1: Experience sharing on legal and Administrative procedures involving Objection and conflict Resolution(L)	Shri.N.K. Sudhanshu, D.G. YASHADA
11:00-11:15	Tea/Coffee Break	
11:15-12:30	Case Study 2: Experience sharing on legal and Administrative procedures involving Objection and conflict Resolution(L)	Expert from Govt. of Karnataka/A.P./Kerala
12:30 – 13:00	Discussions & Q/A	External Experts & NIGST Faculty
13:00-14:00	Lunch	
14:00- 16:30	Group Activity – Field Survey exercise Test followed by objective Assessment	NIGST Team-B
16:30- 17:30	Course wrap-up, Course Feedback and Valedictory	Technical section, NIGST

(L) – Lecture classes

Sd/-
Pankaj Mishra,
Deputy Surveyor General, NIGST

NIGST Team – A	NIGST Team – B
1. Sh. Kameshwar Rao, O.S. 2. Sh. R.V.V. Satyanatayana, Syr. 3. Sh. Manuj Kumar, Syr. 4. Sh. Anurag Mishra, Syr.	1. Sh. Kameshwar Rao, O.S. 2. Sh. R.V.V. Satyanatayana, Syr. 3. Sh. Anurag Mishra, Syr. 4. Sh. Omkar Swamy, Syr.

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The Surveyor General of India for information please

The Addl. S.G. NIGST, for information please

The Head Faculty of Topo & GIS, Geodesy, P&RS and all the concerned faculty members



NATIONAL INSTITUTE FOR GEO-INFORMATICS SCIENCE & TECHNOLOGY

“Training of Master Trainers under Naksha Programme”

07th April, 2025 to 12th April, 2025

Venue: Conference Hall, First Floor, NIGST

PROGRAMME SCHEDULE

Course Director: Shri Pankaj Mishra, DSG, NIGST

Course Officer: Shri Yogachandar PA, SS, NIGST

No. T- /41-D-12(NAKSHA)

02nd April, 2025.

TIME	TOPIC	FACULTY/EXPERT
DAY-1, Monday, 07th April		
09:30-09:45	Registration	Technical Section, NIGST
09:45-10:00	Welcome & Introductory Address	Head, NIGST
10:00-11:15	Introduction and Overview of NAKSHA Programme(L)	Expert from DoLR
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Basic concepts of Surveying	NIGST Faculty
13:00-14:00	Lunch Break	
14:00-15:15	Methodologies for Aerial Data Acquisition(L)	Faculty from NIGST
15:15-15:30	Tea/Coffee Break	
15:30-17:30	Introduction, Demo and Hands on- GNSS	NIGST Geodesy Faculty & Field Team
DAY-2, Tuesday, 08th April		
09.30-11:15	Introduction to GIS, Overview of WEBGIS tools & its modules(L)	Faculty of Topo. & GIS. MPSEDC Team
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Demo on Basic GIS tools (Desktop & Mobile)	Faculty of Topo & GIS.
13:00-14:00	Lunch Break	
14:00-15:30	Hands on Basic GIS tools (Desktop & Mobile)	Faculty of Topo & GIS.
15:30-15:45	Tea/CoffeeBreak	
15.45- 17:30	Preparation for Ground Surveying using GNSS Rovers	NIGST Field Team
DAY -3 , Wednesday,09th April, 2025		
08:30-13:00	Ground Survey using GNSS rovers with CORS	NIGST Field Team
13:00-14:00	LunchBreak	
14:00-18:30	Ground Survey using GNSS rovers with CORS	NIGST Field Team

DAY-4, Thursday, 10 th April, 2025		
09:30-11:15	Preparation and Finalization of Land parcel Layer	Faculty of Topo & GIS.
11:15-11:30	Tea/CoffeeBreak	
11:30-13:00	Demo on Drone Instrument, Payload and Map 1 Deliverables	NIGST P & RS Faculty
13:00-14:00	Lunch	
14:00-15:45	Introduction, Demo and Hands on with ETS.	NIGST Field Team
15:45-16:00	Tea/CoffeeBreak	
16:00-17:30	Preparation for Ground survey using GNSS and/or ETS	NIGST Field Team
DAY-5, Friday, 11 th April		
08:30-13:00	Ground survey using GNSS and/or ETS	NIGST Field Team
13:00-14:00	LunchBreak	
14:00-18:30	Ground survey using GNSS and/or ETS	NIGST Field Team
DAY-6, Saturday, 12 th April		
09:15-10:45	Case Study 1: Experience sharing on legal and administrative procedures involving objection and conflict resolution (L)	Sh.N.K.Sudhanshu, D.G.YASHADA
10:45-11:00	Tea/Coffee Break	
11:00-12:00	Case Study 2: Experience sharing on legal and Administrative procedures involving Objection and conflict Resolution (L)	Expert from Govt. of Karnataka/AP/Kerala.
12:00-13:00	Case Study 3: Experience sharing on legal and Administrative procedures involving Objection and conflict Resolution (L)	Expert from Govt. of Karnataka/AP/Kerala
13:00-14:00	Lunch	
14:00-16:30	Group Activity – Field Survey exercise Test followed by objective Assessment	NIGST Team “A”
16:30-17:30	Course wrap – up, course feedback and valedictory	Technical section, NIGST.

(L): Lecture Classes

Sd/-
(PANKAJ MISHRA),
Deputy Surveyor General,
NIGST, Survey of India,

NIGST Field Team.
1.Shri G.Kameshwar Rao,O.S. 2.Shri Manuj Kumar, Syr. 3.Shri Anurag Misra, Syr. 4.Shri K.Omkar Swamy, Syr.

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NATIONAL INSTITUTE FOR GEO-INFORMATICS SCIENCE & TECHNOLOGY

“Training of Master Trainers under Naksha Programme”

28th April, 2025 to 03rd May, 2025

Venue: Conference Hall, First Floor, NIGST

PROGRAMME SCHEDULE

Course Director: Shri Pankaj Mishra, DSG, NIGST

Course Officer: Shri Yogachandar PA, SS, NIGST

24th April, 2025.

TIME	TOPIC	FACULTY/EXPERT
DAY-1, Monday, 28th April		
09:30-09:45	Registration	Technical Section, NIGST
09:45-10:00	Welcome & Introductory Address	Head, NIGST
10:00-11:15	Introduction and Overview of NAKSHA Programme(L)	Expert from DoLR
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Basic concepts of Surveying	NIGST Faculty
13:00-14:00	Lunch Break	
14:00-15:15	Methodologies for Aerial Data Acquisition(L)	NIGST Faculty
15:15-15:30	Tea/Coffee Break	
15:30-17:30	Introduction, Demo and Hands on- GNSS	NIGST Geodesy Faculty & Field Team
DAY-2, Tuesday, 29th April		
09.30-11:15	Introduction to GIS, Overview of WEBGIS tools & its modules(L)	Faculty of Topo. & GIS. MPSEDC Team
11:15-11:30	Tea/Coffee Break	
11:30-13:00	Demo on Basic GIS tools (Desktop & Mobile)	Faculty of Topo & GIS.
13:00-14:00	Lunch Break	
14:00-15:30	Hands on Basic GIS tools (Desktop & Mobile)	Faculty of Topo & GIS.
15:30-15:45	Tea/CoffeeBreak	
15.45- 17:30	Preparation for Ground Surveying using GNSS Rovers	NIGST Field Team
DAY -3 , Wednesday,30th April, 2025		
08:30-13:00	Ground Survey using GNSS rovers with CORS	NIGST Field Team
13:00-14:00	LunchBreak	
14:00-18:30	Ground Survey using GNSS rovers with CORS	NIGST Field Team
DAY-4, Thursday, 1st May, 2025		
09:30-11:15	Preparation and Finalization of Land parcel Layer	Faculty of Topo & GIS.
11:15-11:30	Tea/CoffeeBreak	
11:30-13:00	Demo on Drone Instrument, Payload and Map-1 Deliverables	NIGST P & RS Faculty
13:00-14:00	Lunch	
14:00-15:45	Introduction, Demo and Hands on with ETS.	NIGST Field Team
15:45-16:00	Tea/CoffeeBreak	
16:00-17:30	Preparation for Ground survey using GNSS and/or ETS	NIGST Field Team

DAY-5, Friday, 2 nd May		
08:30-13:00	Ground survey using GNSS and/or ETS	NIGST Field Team
13:00-14:00	LunchBreak	
14:00-18:30	Ground survey using GNSS and/or ETS	NIGST Field Team
DAY-6, Saturday, 3 rd May		
09:15-10:15	Case Study 1: Experience sharing on legal and administrative procedures involving objection and conflict resolution (L)	Shri Munish Moudgil I.A.S. Special Commissioner (Revenue), BBMP
10:15-11:15	Case Study 2: Experience sharing on legal and Administrative procedures involving Objection and conflict Resolution (L)	Sh.N.K.Sudhanshu, I.A.S. D.G.YASHADA, Pune
11:15-11:30	Tea/Coffee Break	
11:30-12:30	Case Study 3: Experience sharing on legal and Administrative procedures involving Objection and conflict Resolution (L)	Dr.N Prabharkara Reddy, IAS, Director Survey settlements and land records, AndhraPradesh
12:30-13:30	Case Study 4: Experience sharing on legal and Administrative procedures involving Objection and conflict Resolution (L)	Shri.Seeram Sambasiva Rao IAS, Director, survey and Land records, kerala.
13:30-14:30	Lunch	
14:30-17:00	Group Activity – Field Survey exercise Test followed by objective Assessment	NIGST Filed Team
17:00-17:30	Course wrap – up, course feedback and valedictory	Technical section, NIGST.

(L): Lecture Classes

Sd/-
Pankaj Mishra,
Deputy Surveyor General,
NIGST, Survey of India,

NIGST Field Team.
1.Shri Bhaskar Sharma,O.S.
2.Shri G.Kameshwar Rao,O.S.
3.Shri Anand Sahu, Syr.
4.Shri Manuj Kumar, Syr.
5.Shri Omkar Swamy, Syr.

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