

<b>Day - 1</b>		
<b>11-JAN-2022, Tuesday, 03:15 - 10:15 UTC</b>		
<b>Time (UTC)</b>	<b>Course Description</b>	<b>Resource Persons</b>
<b>03:15 - 04:15</b>	Registration / Attendance (On-site)	CSSGS / WRC
<b>04:15 - 05:15</b>	Welcome Remarks ICG Activities UTokyo CSSGS / WRC	ICG: Sharafat UT: Dinesh CSSGS: Krishna Invited Guests
<b>05:15 - 06:00</b>	Introduction of Beidou	Xiaochun LU China
<b>06:00 - 06:45</b>	Introduction of NavIC	Akhileshwar Reddy India
<b>06:45 - 07:45</b>	<b>Lunch Break</b>	
<b>07:45 - 08:15</b>	Software Installation and Setup Check Sample Data Sets (RTKLIB)	UT: Dinesh
<b>08:15 - 09:00</b>	Basic GNSS Introduction Low-Cost Receiver Systems	UT: Dinesh
<b>09:00 - 09:15</b>	Break	
<b>10:15 - 11:00</b>	Introduction of Galileo	Dominic Hayes European Commission
<b>11:00 - 11:45</b>	Introduction of GPS	Jeff Auerbach USA

UNOOSA  
ICG

United Nations Office for Outer Space Agency  
International Committee on GNSS

**Invited Key Note Speakers (In Presentation Order)**

Xiaochun LU  
Akhileshwar Reddy  
Dominic Hayes  
Jeff Auerbach  
Satoshi Kogure

China  
India  
European Commission  
USA  
Japan

<b>Day - 2</b>		
<b>12-JAN-2022, Wednesday, 04:15 - 10:15 UTC</b>		
<b>Time (UTC)</b>	<b>Course Description</b>	<b>Resource Persons</b>
<b>04:00 - 04:15</b>	Registration / Attendance (On-site)	CSSGS / WRC
<b>04:15 - 05:00</b>	Introduction of QZSS	Satoshi Kogure Japan
<b>05:00 - 05:15</b>	Software Installation and Setup Check Sample Data MADOCA-PPP	UT: Dinesh, Avinab
<b>05:15 - 06:15</b>	Introduction to QZSS Correction Services	TUMSAT: Kubo
<b>06:15 - 07:15</b>	<b>Lunch Break</b>	
<b>07:15 - 08:15</b>	RTK Data processing: How to get cm level accuracy? (RTKLIB)	TUMSAT: Kubo, Kaito, Tomohiro, Hiroataka UT: Dinesh, Avinab
<b>08:15 - 09:00</b>	RTK Data processing: How to get cm level accuracy? (RTKLIB)	TUMSAT: Kubo Kaito, Tomohiro Hiroataka UT: Dinesh Avinab
<b>09:00 - 09:15</b>	Break	
<b>09:15 - 10:15</b>	MADOCA Introduction  MADOCA Data Processing (MAD-WIN, MAD-PI, MADROID)	GPAS: Kakimoto  UT: Dinesh

UT            The University of Tokyo  
CSIS        Center for Spatial Information Science

**Resource Persons**

Dinesh Manandhar	UT, Japan
Yuki Yamazaki	UT, Japan
Hideyuki Kakimoto	GPAS, Japan
Sharafat Gadimova	ICG, Austria
Patrick Gindler	ICG, Austria

<b>Day - 3</b>		
<b>13-JAN-2022, Thursday, 04:15 - 10:15 UTC</b>		
<b>Time (UTC)</b>	<b>Course Description</b>	<b>Resource Persons</b>
<b>04:00 - 04:15</b>	Registration / Attendance (On-site)	CSSGS / WRC
<b>04:15 - 05:15</b>	Data logging by the participants * Online participants will use pre-logged data	UT: Dinesh, Avinab TUMSAT: Kubo, Kaito, Tomohiro Hirotaka
<b>05:15 - 06:15</b>	Data processing using RTKLIB by the Participants	UT: Dinesh, Avinab TUMSAT: Kubo, Kaito, Tomohiro Hirotaka
<b>06:15 - 07:15</b>	<b>Lunch Break</b>	
<b>07:15 - 08:15</b>	QZSS EWS (Early Warning System) and EWS Demo	UT: Dinesh, Avinab
<b>08:15 - 09:00</b>	Data Processing using RTKLIB by the Participants Compare results for SPP, DGPS, RTK, MADOCA-PPP	UT: Dinesh, Avinab TUMSAT: Kubo, Kaito, Tomohiro Hirotaka
<b>09:00 - 09:15</b>	Break	
<b>09:15 - 10:15</b>	Discussions on data processing results	UT: Dinesh, Avinab TUMSAT: Kubo, Kaito, Tomohiro Hirotaka

TUMSAT Tokyo University of Marine Science and Technology  
GPAS Global Positioning Augmentation Service Company

**Resource Persons**

Nobuaki Kubo	TUMSAT, Japan
Kaito Kobayashi	TUMSAT, Japan
Tomohiro Ozeki	TUMSAT, Japan
Hirotaka Kanamori	TUMSAT, Japan

<b>Day - 4</b>		
<b>14-JAN-2022, Friday, 04:15 - 10:15 UTC</b>		
<b>Time (UTC)</b>	<b>Course Description</b>	<b>Resource Persons</b>
<b>04:00 - 04:15</b>	Registration / Attendance (On-site)	CSSGS / WRC
<b>04:15 - 05:15</b>	GNSS Data from Smart-Phone Smart-phone Data Processing	UT: Dinesh, Avinab
<b>05:15 - 06:15</b>	Report Preparation (must for on-site and funded participants)	UT: Dinesh, Avinab ICG: Sharafat CSSGS / WRC
<b>06:15 - 07:15</b>	<b>Lunch Break</b>	
<b>07:15 - 08:15</b>	Presentation by the on-site participants in Teams 5 minutes each team	UT ICG: Sharafat CSSGS / WRC
<b>08:15 - 08:45</b>	Course Evaluation Closing Ceremony	CSSGS / WRC ICG: Sharafat UT: Dinesh, Avinab

CSSGS      Center for Space Science and Geomatics Studies  
WRC        Western Regional Campus, Tribhuvan University

TU            Tribhuvan University  
**Resource Persons**

Krishna Bhandari  
Avinab Malla

CSSGS, Nepal  
Softwel, Nepal