

Raja Shripatrao Bhagwantrao Mahavidyalaya, Aundh, Satara

66th IIRS Outreach Programme on ‘Global Navigation Satellite System’

14/09/2020 - 25/09/2020

Sponsored by NNRMS and organized by IIRS/ ISRO, Dept. of Space, Govt. of India,
Dehradun



RAJA SHRIPATRAO BHAGWANTRAO MAHAVIDYALAYA, AUNDH, SATARA
Indian Institute of Remote Sensing, ISRO, Dehradun
Department of Space, Government of India
SUMMARY REPORT OF PROGRAM

Date: 30/11/2019

To,
The Principal,
R.S.B. Mahavidyalaya, Aundh
Tal. Khatar, Dist. Satara

I am submitting summary report of 66th IIRS ISRO Outreach Programme. Please accept it.

1. Name of Programme: Global Navigation Satellite System
2. Duration: 14/09/2020 to 25/09/2020 Total Days: 12
3. Number of enrolled students: 09
4. Name of Coordinator: Dr. Telare Nandev Vasant
5. Name of Resource Persons: i) Dr. A. Bhurwaj ii) Mr. Ashish Joshi
iii) Mr. Suresh Karmajyoti
6. Objectives of the Programme:
1. To know concepts of Global Navigation Satellite System
7. Outcome of the Programme:
1. Participants become aware of concepts of Global Navigation Satellite System

Centre Coordinator

(Dr. Nandev V. Telare)
Dr. Nandev V. Telare
Coordinator
IIRS Outreach Programme, Dehradun
Raja Shripatrao Bhagwantrao Mahavidyalaya, Aundh, Dist. Satara

Principal

T/O PRINCIPAL
Raja Shripatrao Bhagwantrao
Mahavidyalaya, Aundh (Satara)

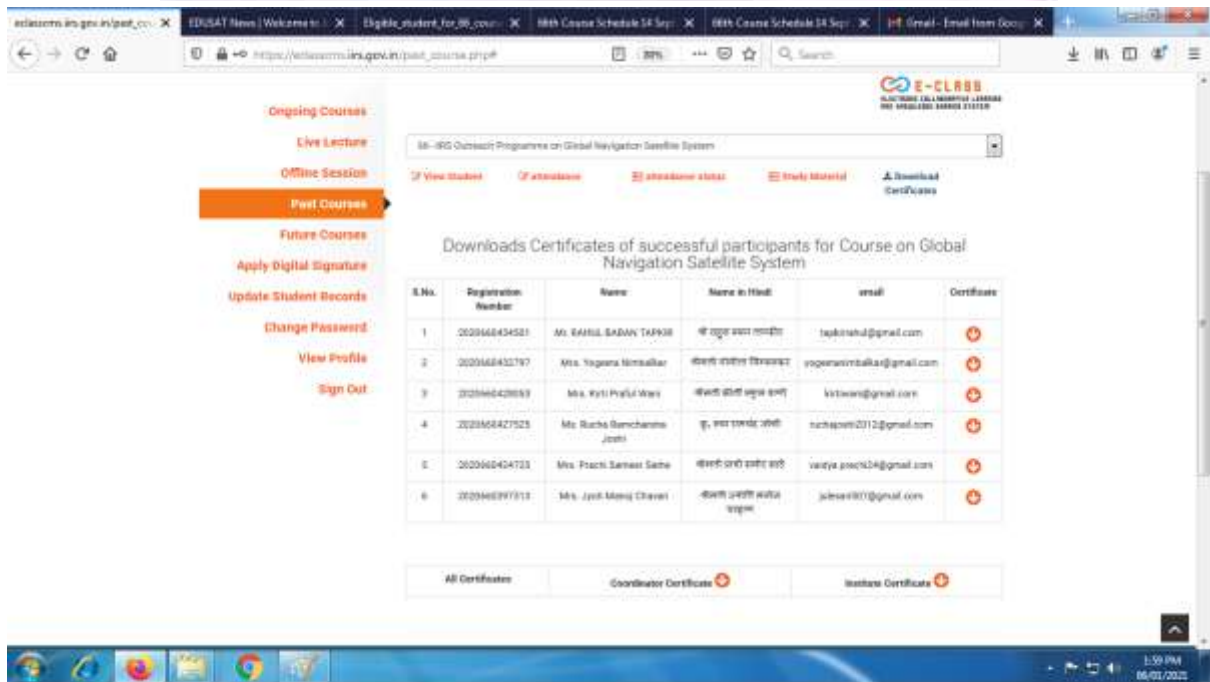


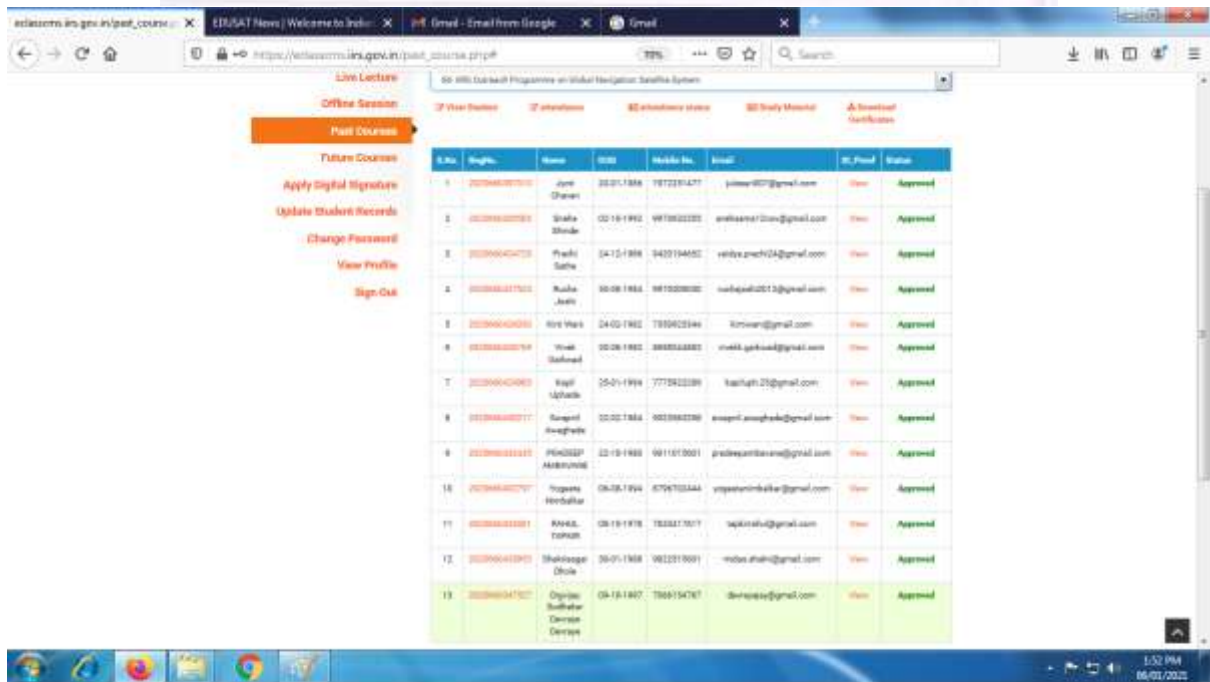
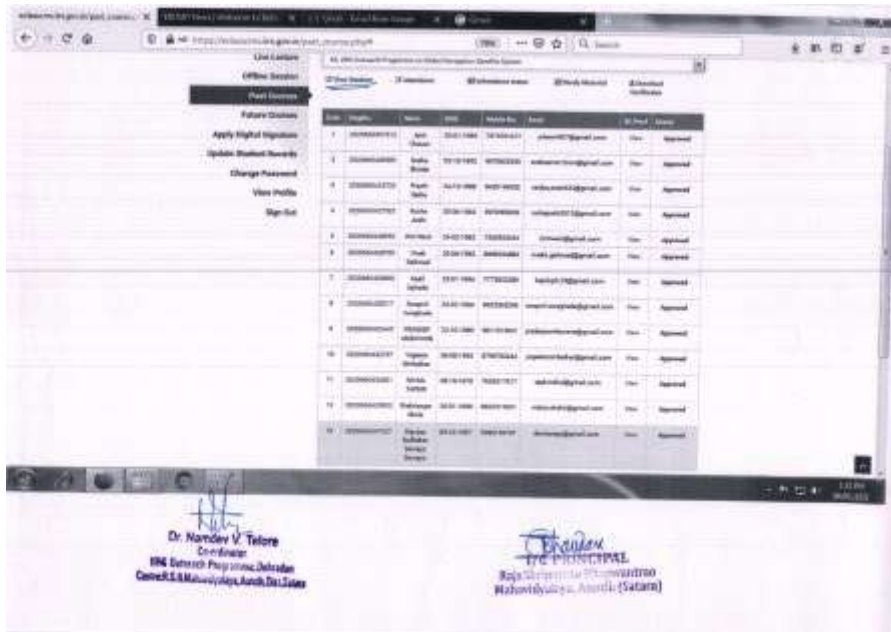
Course Name: Global Navigation Satellite System
Module Course Coordinator: Dr. Ashish Bhardwaj

| Date | Day | Time | Topic | Speaker |
|------------|----------|--------------------------------|--|--|
| 14/09/2023 | Monday | 1600-1700 hrs 1700-1730 hrs | Introduction to GPS and GNSS Interactive Session | Dr. Ashish Bhardwaj |
| 15/09/2023 | Tuesday | 1600-1700 hrs 1700-1730 hrs | GPS receiver, processing method, errors and accuracy Interactive Session | Dr. Ashish Bhardwaj |
| 17/09/2023 | Thursday | 1600-1700 hrs 1700-1730 hrs | Satellite based Augmentation systems & GPS Aided and GEO Augmented Navigation (GAGAN) | Dr. Ashish Bhardwaj |
| 18/09/2023 | Friday | 1600-1700 hrs 1700-1730 hrs | Interactive Session GPS signal characteristics, Data format (structure, pseudoephemeris) Interactive Session | Dr. Ashish Bhardwaj & Shri Arish Joshi |
| 21/09/2023 | Monday | 1600-1700 hrs 1700-1730 hrs | Indian Regional Navigation Satellite System (IRNSS) Interactive Session | Dr. Ashish Bhardwaj & Shri Karan Pandey |
| 22/09/2023 | Tuesday | 1600-1700 hrs 1700-1730 hrs | GNSS demonstration (Pre-recorded followed by live query session) Interactive Session | Offsite |
| 24/09/2023 | Thursday | 1600-1700 hrs | Advance GNSS processing | Dr. Ashish Bhardwaj Shri Karan Pandey |
| 25/09/2023 | Friday | 1700-1730 hrs | Interactive Session Final Discussion | |


Dr. Navdeep V. Solera
Coordinator
BPS Course Program, IIT Kanpur
Course ID: MMS/2023/001/001


Raju Shrivastava
Principal
Maharaja Ganga Pratap College (Autonomous)





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| Registration Number | Name | Total Sessions | No. of sessions attended | Age of Attendance | Eligibility for Examinations/Certificate |
|---------------------|--------------------------------|----------------|--------------------------|-------------------|--|
| 202064030217 | MR. SHANTIL VLIAT AMAGHADE | 8 | 1 | 12.58 | No |
| 202064035833 | MR. SHANTISAGAR SADASIV DINGLE | 8 | 1 | 12.58 | No |
| 202064028764 | MR. VIVEK DILKAPISER GAWAD | 8 | 2 | 25.08 | No |
| 2020640454725 | MRS. PRACHI SANEER SATHI | 8 | 6 | 75.08 | Yes |
| 2020640452797 | MRS. YOGITA NIMBLEKAR | 8 | 6 | 75.08 | Yes |
| 2020640427925 | MR. RUCHA RAMCHANDRA JOSHI | 8 | 6 | 75.08 | Yes |
| 2020640424901 | MR. RAJUL SABAR TAPSE | 8 | 6 | 75.08 | Yes |
| 2020640397313 | MRS. JHOTI MANALI CHAWAN | 8 | 7 | 87.58 | Yes |
| 2020640428953 | MRS. KIRTI PRADUL WANI | 8 | 7 | 87.58 | Yes |

Dr. Namdev V. Gore
Co-ordinator
44-1860 Course Programme on Global Navigation Satellite System
Gyan Ganga, Mumbai-400 015

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Indian Space Research Organisation
Department of Space, Govt of India

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Study Material

| Session Name | Presenter | Session Date | Project |
|---|--|--------------|----------|
| Introduction to GPS and GNSS interactive Session | | 2020-09-14 | download |
| GPS receivers, processing methods, errors and accuracy | Dr. Ashutosh Bhambhani | 2020-09-15 | download |
| GPS signal characteristics, Data Formats (Broadcast, precise ephemeris) | Dr. Ashutosh Bhambhani & Shri Ashish Joshi | 2020-09-16 | download |

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Dr. Nandev V. Telam
Coordinator
ISRO Outreach Programme, Dehradun
Campus, ISRO, Mahatma Jyoti Bapu, Kirti Nagar

Principal
Rajendra Prasad Pratap Singh
Mahatma Jyoti Bapu, Kirti Nagar

