



Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
 (Autonomous Institute)

PRESENTS

**“Symposium on Advanced
 Satellite Communications and
 IRNSS/GAGAN”**

31st August 2018

Organized by

**Sardar Patel Institute of Technology,
 Munshi Nagar, Andheri (W),
 Mumbai 400 058**

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Vice Principal
 Dr. Y. S. Rao

Principal
 Dr. Prachi Gharpure

**“ Symposium on Advanced
 Satellite Communications and
 IRNSS/GAGAN ”**

31st August 2018

Schedule :

| Day | Time | Topic |
|-----------|---------------|--|
| 31/8/2018 | 9.15 am | Inauguration |
| | 9.30-11am | Microwave Remote Sensing and GIS |
| | 11.15-12.45pm | GNSS and it's applications |
| | 1.00-2.00 pm | Lunch break |
| | 2.00-3.00 pm | Current Research with IRNSS |
| | 3.00- 4.30 pm | Satellite Navigation Systems and current progress in IRNSS |

About us

In 1957, the Bharatiya Vidya Bhavan conceived the idea of establishing an engineering college in Mumbai. It was on the 19th August 1962 that there was a huge gathering at the Bhavan's Campus in Andheri to inaugurate Sardar Patel College of Engineering (SPCE). Bharatiya Vidya Bhavan's Sardar Patel College of Engineering, Unaided Wing of SPCE, from year 2005-2006 was established in its new building under the name and style of Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology and is affiliated to Mumbai University. Subsequently Electronics and Telecommunication course was started at graduate and post graduate level in the years 2006 and 2010 respectively. In addition to these programs Electronics, Electronics and Telecommunication, Computer Engineering and MCA Departments have started Ph.D. program from 2012. University of Mumbai has conferred Autonomous Status to S.P.I.T. for a period of five years from the academic year 2017-18 to 2021-22

About the Program

The prime objective of ISRO is to use space technology and its application to various national tasks. India has its own satellite navigation program, consisting of the GNSS augmentation system, called GAGAN in addition to its own primary navigation system "Indian Regional Navigation Satellite System (IRNSS)". These systems offer navigation services which caters both the civilian and strategic needs. On these lines, the One-Day Seminar, on the theme, "Advanced Satellite Communications and

IRNSS/GAGAN", aims at discussion and deliberation on Satellite communication, IRNSS / GAGAN navigation and its possibilities for collaborative university research with ISRO under University/Academic Institute Satellites programme for application areas such as Algorithm/software Development, Navigation Applications, Atmospheric Applications.

Expected outcomes:

- To expose the faculty and students to the recent developments in Indian Space research.
- To explore possible opportunities for university research in the field of IRNSS navigation.
- To study the indigenous developments of satellite communication for different applications.



Chief Patron:

Dr. Prachi Gharpure

Resource Persons:

- Dr. Sanjay S Shitole, Professor and HOD, IT Deptt, UMIT, SNDT University
- Virendra Patel, Research Scholar, SVNIT
- Sonal Parmar, Faculty, NMIMS, Research Scholar SVNIT
- Mr. Kalpesh Borsadiya, Scientist from ISRO, SAC, Ahmedabad

Venue:

Room no. 008, Ground Floor, S.P.I.T.

Course Fees:

Faculty: Rs. 500/- & Students: Rs. 200/-

Registration:

DD drawn in favor of "Principal S.P.I.T" payable at Mumbai.

Prof. Vijaya Kamble

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Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSeL5Uv4GP5ZnBvJM-YGTZuzZQmsDGgovTNO8abiA-CEu8xEXA/viewform?usp=sf_link