



**NALLA NARASIMHA REDDY**  
Education Society's Group of Institutions - Integrated Campus  
(Approved by AICTE, PCI, New Delhi. Affiliated to JNTU-Hyderabad)



### International Webinar Report on

## Strategic and Civil Aviation applications of GNSS

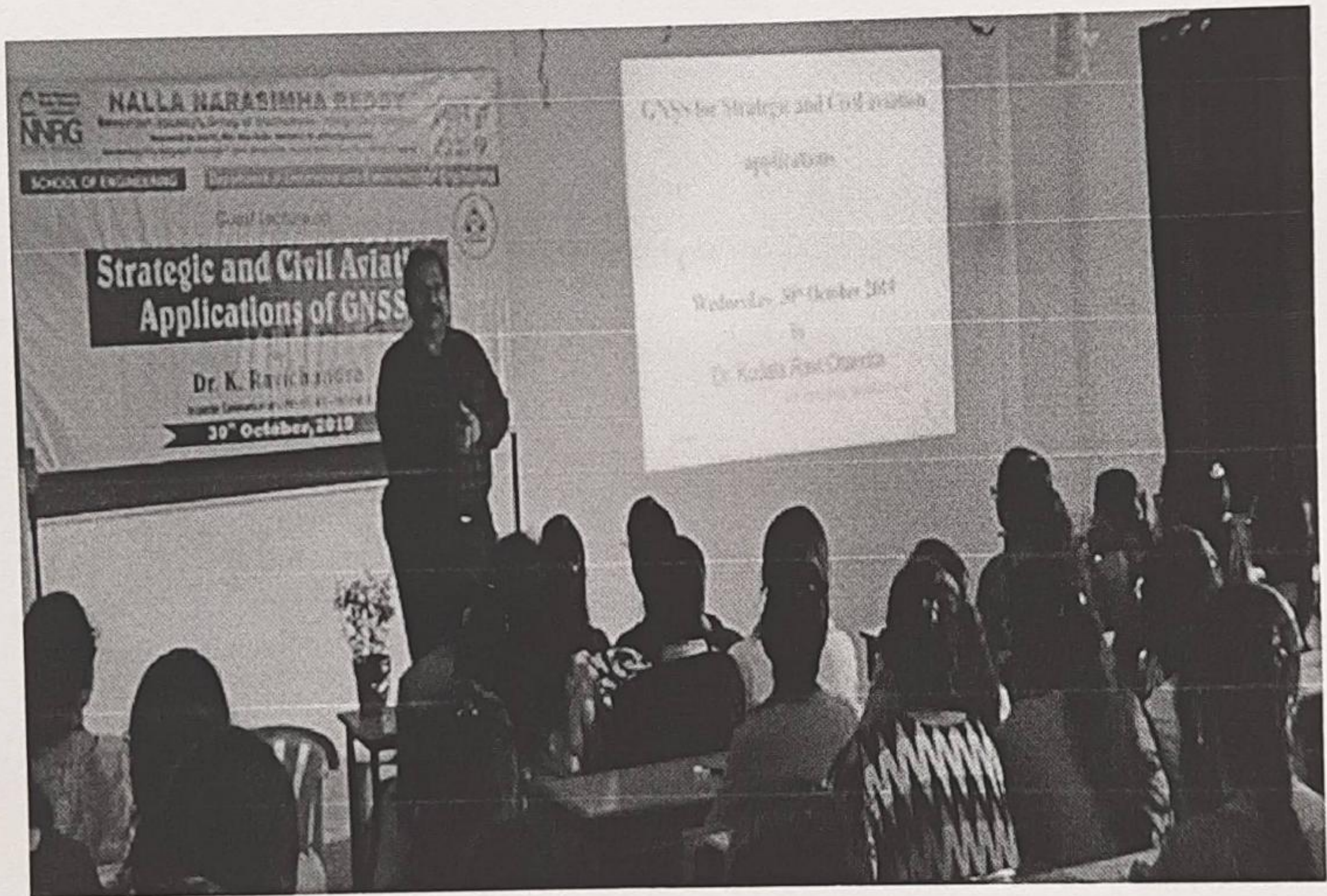
**Resource Person:** Dr. K. Ravi Chandra, Inspector Communications, Police IT & C – Lakdi-kapul, Hyderabad.

On 30<sup>th</sup> October 2019, department of ECE organized a guest lecture on Strategic and Civil aviation applications of GNSS. Students of II, III and IV year classes were attended this lecture during 10.30 am to 12.00 Noon. Dr Ravi Chandra delivered his talk by narrating recent gadgets of police communication and mainly focused on GNSS.

GNSS Strategy is done in line with the regional and global aviation requirements, to maintain regional and global harmonization. Is to draw a clear path for deploying GNSS infrastructure to support the GNSS Operation implementation for future investment in airspace and aviation industry by all stakeholders .

GNSS is not a goal by itself, but it is the supporting infrastructure for GNSS service operations Any element of the GNSS (systems and applications) must be ICAO compliance within ICAO regional time frame 3. In selecting a specific augmentation system many elements are to be considered types of operation to be supported, technology maturity, cost, Aviation standard readiness, airlines fleet capabilities and their future plans the global and regional approach. Cooperation between all stakeholders on GNSS will achieve a strategy beneficial for all GNSS stakeholders as well as provide all parties with a solid baseline for future activities investment in the field of GNSS. As GNSS is vulnerable from many aspects (sun cycle , jamming) and it will be used as the primary means of navigation within Jordan; proper Backup system must be kept in place to support a healthy aviation system and continuous services.

The transition period to GNSS represents a significant change for aviation; a successful transition requires a careful gradual comprehensive approach to elevate the risk associated with the changes required. CARC through coordination with an appropriate body will record the GNSS signal as required. The Advanced RNP-1 navigation specification is expected to play an important role in the long term implementation in the region for en-route and terminal operations, Advanced RNP will be implemented in line with the ICAO Aviation System Block Upgrades and the Global Air Navigation Plan.



  
Head of the Department

HEAD OF THE DEPARTMENT  
Electronics & Communication Engineering  
Nalla Narasimha Reddy Education Society's  
Group of Institutions-Integrated Campus  
Chowdriquda (V), Korremola X Road, G. (1449/144)  
Medchal-Malkajgiri (Dist.) Telangana, 500086