



**Department of Aeronautical Engineering
and Electronics and Communication
Engineering**

Cordially invites you for the inaugural ceremony for the seminar on

**“Nano Satellite Design,
Testing, Realization
and Launch”**

Chief Guest :

Mr. B N Ramakrishna

Director, ISTRAC,

ISRO, Dept. of Space Govt. of India, Bengaluru.

Mr. N Sudheer Kumar

Director, CBPO and Respond Projects

ISRO HQ, Dept. of Space,

Govt. of India, Bengaluru.

Guest of Honour :

Mr. R K Rajangam

President, Planet Aero Space

Presided over by :

Prof. N. R. Shetty

Hon'ble Chancellor, Central University of Karnataka,

Kalaburagi. Chairman, Karnataka State Universities

Review Commission, Govt of Karnataka,

Advisor, Nitte Education Trust

Special Invitees

Dr. H. C. Nagaraj

Principal, NMIT

Dr. Sridhar V

Dean (Academic) , NMIT

Mr. Rohit Punja

Administrator, NET

 **04th May
2022**

 **09:30 AM
Onwards**

 **New Seminar
Hall**

Your presence is highly solicited

Dr. P K Dash

Prof. & Head

Dept. of Aeronautical

Engineering

Dr. Ramachandra A.C.

Prof. & Head

Dept. of Electronic and

Communication

Programme Schedule

Day 1 - May 4 th , 2022				
01	Registration	09.00 am	09.30 am	
02	Inaugural Session	09.30 am	10.30 am	
10.30 am - 10.45 am - High Tea				
03	Intro. to Satellite Technology	10.45 am	11.45 am	15 min Discussion
04	Mission planning, Analysis, Orbit determination & design	12.00 noon	12.45 pm	15 min discussion
13.00 pm to 13.45 pm - Lunch Break				
05	Payloads options and design to suit to nano satellite applications	13.45 pm	14.45 pm	15 min discussion
06	Material selection and Structures design to withstand launch loads	15.00 pm	16.00 pm	15 min discussion
Day 2 - May 5 th , 2022				
07	Thermal design of Nano Satellite	09.30 am	10.30 am	15 min discussion
10.45 am to 11.15 am - Tea Break				
08	Power system and deployment mechanism	11.15 am	12.15 pm	15 min discussion
12.30 pm to 13.30 pm - Lunch Break				
09	Communications systems design	13.30 pm	14.30 pm	15 min discussion
10	Attitude determination and control system	14.45 pm	15.45 pm	15 min discussion
Day 3 - May 6 th , 2022				
11	Onboard Computer and Digital Electronics	09.30 am	10.30 am	15 min discussion
10.45 am – 11.15 am - Tea Break				
12	Product assurance and Testing	11.15 am	12.15 pm	15 min discussion
12.30 pm to 13.30 pm - Lunch Break				
13	Assembly, Integration and Testing at launch base operation	13.30 pm	14.30 pm	15 min discussion
14	Ground station system design and track Nano satellite	14.45 pm	15.45 pm	15 min discussion
15	Sum up of the total event and feed back			