
PROFILE



R K Rajangam, Outstanding Scientist & Prof. Satish Dhawan Visiting Professor, -
ISAC/ISRO (Retired)

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www.planetaerospace.in

Thirty-Six years of experience in design and engineering of electronics systems for satellites. Work includes conceptual design, feasibility studies, specifying equipment, technical evaluation of vendor proposals and documents, preparation of engineering standards, job specifications and technology development and satellite engineering management.

Present Occupation: President, Planet Aerospace, Bangalore (Since July 2017).
Program Manager, AOnesat 1 Project (From Sep 2013)
Technical Advisor, IITM SAT, IIT, Madras (From Apr 2014)

Earlier Occupation: Technical Mentor, Students Sat, VIT, Vellore (Jan 2016-Jan 2017)
Distinguished Visiting Professor INAE/AICTE SIT, Tumkuru and Saranathan
College, Trichy (June 2009 to June 2014)

Academic Qualifications: 1. 3 years Bachelor of Science (Gold Medalist- for being First in University),
University of Madras, Madras.
2. 3 Years Bachelor of Technology in Electronics, IIT (I class with distinction),
Madras.

Date of Joining in ISRO, Bangalore: April 1972
Date of Super Annuation: 31st July 2008

Areas of Specialization (specific): Areas of specialization include telemetry, digital system design, remote sensing, satellite communication and satellite development & manufacturing & reliability and quality assurance

Previous Experience prior to Joining in ISRO: Scientist in LRDE from Jan 1969 to March 1972

Key Positions Held in ISAC/ ISRO:

From Apr 1972 - May 1975:	Engineer in Telemetry Group, ARYABHATA project.
From May 1975 - Dec 1980:	Head, Spacecraft Telemetry Group
From Jan 1981-Dec 1983:	Head, Telemetry Subsection
From Jan 1984-Mar 1984:	Head, Digital Systems Section
From Apr 1984-Dec 1992:	Head, Digital Systems Division
From Jan 1993-Apr 1996:	Group Director, Digital Systems Group & Deputy Project Director (Spacecraft), IRS-1C.
From Apr 1996-Dec 1997:	Project Director, IRS-1D.
From Jan 1997-Dec 2003:	Project Director, INSAT-3A/3C
From Jan 2004-Mar 2007:	Project Director, INSAT-4B
From Apr 2007-Jul 2008:	Deputy Director (RCA)
From Aug 2008-Aug 2010:	Prof. Satish Dhawan Visiting Scientist, ISRO

Awards:

1. 1975 Distinguished award for Aryabhata
2. ASI AWARD 2003-SPACE SYSTEM MANAGEMENT
3. ISRO DISTINGUISHED ACHIEVEMENT AWARD

**Memberships
(Professional):**

Fellow of IETE
Past Chairman, IMAPS (India)
Former Executive Secretary, Astronautical Society of India

**Technical
Papers/Publications:**

Around 25 Technical papers published in national and international journals

Major Accomplishments/Achievements in ISRO:

1. Handled and delivered biggest communication satellites (INSAT-3C & INSAT-3A & INSAT-4B.), Management and realizing of the complete spacecraft mission for Projects IRS-1D, IRS-1C Satellite as Project Director
 2. Managing and realizing the development of Spacecraft System for IRS-1C Satellite
 3. Lead team of Engineers for 5 Satellite launch Campaign at various Launch base at Kapustinyar, Baikanur, Kourou (French), & ISRO SHAR centre
 4. Managing the technology development programmed in the area of ASICs, Data Compressions, etc for spacecraft systems.
 5. Design, Development and Delivery of a BPSK/QPSK Data Handling System for transmitting the Payload data of IRS 1A/1B/1C.
 6. Design, Development and Delivery of the Spacecraft Telemetry and Telecommand System for IRS and INSAT-II Satellites.
 7. Design, Development and Delivery of the Spacecraft Telemetry and Telecommand System for IRS and INSAT-II Satellites.
 8. As Deputy Director for Reliability and components area, provided Technical management for the centre
 9. On Deputation to various countries through ISRO
 10. Delivered a number of invited Techno/Managerial talk in various organizations and colleges
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