
PROFILE



B R Ananda Murthy, Scientist/Engr "SG" Senior Scientist ISAC/ISRO (Retired)

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39 years of distinguished service in structural testing, Experimental Stress Analysis, Structural Fabrication, System Engineering, Project Management and so on for Spacecrafts.

Present Occupation: Executive Member, Treasurer, Planetaerospace, Bangalore.

Prior Experience

(Before joining ISRO): Aug 1973 - Mar 1974: Engineer, Mysore Kirloskar Ltd, Hahara.

Academic Qualifications:

1. Diploma in Mechanical Engineering, from CPC Polytechnic, Mysore secured 4th State Rank in 1973
2. B.E (Mech) from B M S College of Engineering (Evening), Bangalore, with I Class.

Date of Joining in ISRO, Bangalore: Mar 1974

Date of Super Annuation: 2013

Areas of Specialization (specific): Structural testing, Experimental Stress Analysis, Structural Fabrication, System Engineering, Project Management and so on for Spacecrafts.

Key Positions Held in ISAC/ ISRO:

From 1974 - 1998:	Engineer, Experimental Structures Division, Structures Group Project Engineer, ANURADHA (3SAN21) Project Manager (Testing)-IRS P2, P3, P4 Spacecraft
From 1998 - 2013	Head, Structural Fabrication Section, Design & Fabrication Division Head, Fabrication Division, Structures Group Deputy Project Director (STR), IRS-P6, RESOURCESAT-2,2R Facilitator (Fabrication and testing) - NTU Satellite, Singapore

Documents/Publications

Coauthored in many internal technical reports / documents and international papers in Structural Testing, Experimental Stress Analysis, Structural Fabrication

Affiliations/Memberships

Life Member of Indian Society for Advancement of Materials and Process Engineering, Bangalore since 2000.

Treasurer for Indian Society for Advancement of Materials and Process Engineering, Bangalore for five years

Major Accomplishments/Achievements in ISRO:

1. Significant contributions towards planning and conducting of Static load testing and Dynamic testing of Satellites Aryabhata, Baskara, Rohini, Apple, IRS-1C, INSAT-2E etc
 2. As Test Engineer, responsible for planning and implementation of strain measurements using strain gauges for all structural load testing of satellite structures /developmental models etc .Also For acceleration and dynamic strain measurements during dynamic testing of flight models of spacecraft.
 3. As Project Engineer nominated for ANURADHA(3SAN-21), a cosmic ray payload by TIFR flown along with NASA payloads in space shuttle in 1985 and safely brought back to earth after 100 days in orbit, responsible for fabrication, assembly, static load testing (Centrifuge facility at SHAR) and dynamic testing and delivery. Also participated in launch campaign at NASA, USA.
 4. Responsible for design, fabrication and supply of Honeycomb Decks and CFRP Panels for NTU (Singapore) spacecraft, under NTU Satellite Program which was flown in PSLV successfully. This was a contract for ANTRIX Corporation.
 5. As Head of Fabrication, responsible for fabrication and delivery on time of all structural elements (Primary structures, Honeycomb decks, Al/CFRP decks etc) that includes all structural brackets for all spacecrafts. Also, continuous interaction with HAL, Bangalore in realizing the large (flat) sized honeycomb decks needed for satellite structure/spacecraft with requisite process control.
 6. As Project Manager and Deputy Project Director (Structures) for the assigned spacecraft projects, Responsible for design, fabrication and delivery of structures for spacecraft in line with schedule requirements.
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