



GOVERNMENT OF KERALA
DEPARTMENT OF TECHNICAL EDUCATION
COLLEGE OF ENGINEERING TRIVANDRUM

ENGINEERING COLLEGE P.O.
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Dated: September 10, 2026

Advertisement for the post of Project Associate (01)

Applications are invited from highly motivated candidates for the position of Project Associate in a sponsored project of ISRO under the RESPOND scheme for the project entitled "**Precise Baseline/Orbit Determination (PBD/POD) Algorithm for Tandem Satellite operations for high precision GNSS Receiver**" to be implemented jointly by College of Engineering Trivandrum and ISRO Satellite Application Center, Ahmedabad.

Aim of the Project: Determination of an accurate baseline vector between the two satellites is critical for accurate height determination through tandem SAR signals. Height resolution depends on the baseline, which must be accurate to within a few centimeters. Precise baseline/orbit determination (PBD/POD) is a crucial subsystem for Tandem SAR satellite operation. The system employs a high-precision NavIC/GNSS Receiver using the double-differential GNSS technique and dynamic force models with an extended Kalman filter. The PBD/POD method uses the double-differential GNSS technique and applies various force models (gravity, atmospheric drag, solar radiation pressure, etc.) and an extended Kalman Filter for prediction.

Selected candidates will have the opportunity to work on this prestigious project.

Duration: 5 Months.

Eligibility:

1. Project Associate:

Scale of pay: 31000.0; HRA - Type Z (18%) per month.

Essential: BTech/BE in EC/EE/AE/EI with CGPA of 8 or more.

Desirable: MTech/ME in EC/EE/AE, Industry experience of 0-2 years/ Very good knowledge in Python/C/ Matlab Programming, Experience in GNSS, Kalman Filter.

How to apply?

Share the Biodata to spec@cet.ac.in (9447906670) on or before 18th September 2026.




PRINCIPAL
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