

National Institute of Technology Karnataka, Surathkal



Notice Inviting Expression of Interest (EOI)

Date: April 15, 2026

Ref No: MIS/26-27/04

Title: Provision of Professional Agency Services for Information Management and MIS Bridge Operations.

1. BACKGROUND

The National Institute of Technology Karnataka, Surathkal (NITK) seeks to enhance its indigenously developed Management Information System (MIS), known as the **Integrated Resource and Information System (IRIS)**.

IRIS is a comprehensive full-stack web application developed using **Ruby on Rails**, supported by a **MySQL** database, and utilizing a frontend architecture based on **Bootstrap and jQuery**. The mobile ecosystem is built on the **Flutter** framework for both Android and iOS. Software lifecycle management and version control are conducted via **Git based SCM**.

NITK intends to engage an experienced Information Technology (IT) firm to provide expert on-site manpower. This team will serve as a functional bridge between administrative stakeholders and the internal technical team (Professor-in-Charge (MIS/IRIS), MIS Officers, and student developers).

2. SCOPE OF WORK

The selected firm shall deploy dedicated, full-time experts on-site at NITK to perform the following functions:

- **Requirement Analysis:** Liaise with administrative departments to audit processes and document Standard Operating Procedures (SOPs).
- **Technical Modelling:** Translate administrative requirements into technical documentation, including Software Requirement Specifications (SRS), detailed Flowcharts, and Logic Models.
- **Stakeholder Management:** Present technical solutions to the MIS Office and administrative heads for formal validation and approval.
- **Project Supervision:** Facilitate the handover of documentation to the IRIS development team, providing continuous mentorship and oversight to ensure alignment with the SRS.
- **Timeline Management:** Establish project milestones and ensure strict adherence to delivery schedules through proactive communication.
- **Testing & Certification:** Execute User Acceptance Testing (UAT) and certify the functionality and accuracy of final implementations.

Note: The IT agency will not be granted access to the IRIS production environment; however, a Staging Server may be provided for development and testing purposes.

3. SUBMISSION GUIDELINES

Interested firms must submit a comprehensive proposal including:

1. **Corporate Profile:** Overview of firm experience in MIS/ERP implementation (preferably in the education sector) and past projects involving the IRIS technology stack.
2. **Proposed Methodology:** A detailed strategy for managing the “Bridge” role and supervising student-led development teams.
3. **Manpower Plan:** Professional profiles of the experts proposed for deployment.
4. **Financial Estimate:** Monthly per-person manpower costs, overheads, taxes, and a list of required equipment (open-source tools are preferred).

4. IMPORTANT DATES & CONTACT

Activity	Details
Last Date for Submission	May 15, 2026, 16.00 Hours
Presentation Dates	May 25, 2026 (Tentative & will be confirmed later)
Submission Address	Professor in Charge (MIS/IRIS), MIS Office, First Floor, Main Building, N.I.T.K. Surathkal, Srinivasnagar, Mangalore – 575025

5. IMPORTANT NOTE

This invitation is strictly for an **Expression of Interest (EOI)** and does not constitute a formal tender. Commercial bidding procedures will commence following the finalization of requirement specifications.

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