



भारतीय प्रबन्धन संस्थान राँची

INDIAN INSTITUTE OF MANAGEMENT RANCHI

(शिक्षा मंत्रालय, भारत सरकार के अधीन)

(Under Ministry of Education, Govt. of India)

प्रबन्धन नगर, नयासराए मार्ग, राँची, झारखण्ड , पिन— ८३५ ३०३

Prabandhan Nagar, Nayasarai Road, Ranchi, JH- 835303

**Notice Inviting Tender (NIT) to Engage a Software Development Agency or Freelancer for Software Development at IIM Ranchi.**

Sealed tenders are invited from Software development Agencies/freelancer software development in IIM Ranchi campus as per the scope of work to be completed within three (03) months. Interested bidders should submit their bids as per the scope of work to "Administrative Officer (S&P), IIM Ranchi, Prabandhan Nagar, Naya Sarai Road, Ranchi-835303", Email: [purchase@iimranchi.ac.in](mailto:purchase@iimranchi.ac.in)

**Tender Schedule**

Tender Number	IIM Ranchi/NIT/SoftwareDeveloper/2025-26/53 dated 06.02.2026
Cost of Tender Document	Nil
Bid Security	Nil
Website for downloading Tender Document, Corrigendum/Addendum etc.	<a href="http://www.iimranchi.ac.in">www.iimranchi.ac.in</a> (under 'Tender' section),
Estimated Bid Value	Rs. 90,000/- (Rupees Ninety Thousand Only)
Bid Validity	The validity of bids shall be 30 (Thirty) days from the date of opening of bids or any extension thereof.
Last Date of bid submission	up to 03.00 PM on 13.02.2026
Opening of Tender	04.00 PM on 13.02.2026
Number of Covers	Two packet bid system
Contact Person (for any clarification during the tendering process)	Administrative Officer - Purchase & Stores Indian Institute of Management Ranchi Email: <a href="mailto:purchase@iimranchi.ac.in">purchase@iimranchi.ac.in</a>

**Agency need to depute a fulltime software developer in IIM Ranchi campus according to following terms and Conditions: -**

**Name of Service Provider/Resource Person:** Software Developer

**Number of Resource Persons:** 01

**Duration of contract/service:** for 3 months

### **Minimum Skill criteria of Resource Person to be deputed: -**

- i. Graduate Degree (B.E/ B.Tech/ B.Sc) completed or pursuing final year : **Degree certificate or Bonafide certificate**
- ii. Full proficiency in Python coding/, C++/HTML/CSS/Java: **Certificate of completion of training / Experience certificate / Work order completion certificate by previous customer.**
- iii. A strong understanding of Object-Oriented Programming (OOP) concepts is required.
- iv. Knowledge of relevant frameworks Tkinter / PyQt / PySide /Kivy/JavaFX / Swing/.NET (WPF / WinForms)/ Electron/Qt

### **Desirable skills set for Resource Person:**

- i. Experience or exposure to desktop or client-side application development
- ii. Familiarity with event-driven programming
- iii. Understanding of form-based UI flows
- iv. Familiarity with Git or any version control system
- v. Basic knowledge of building applications into builds or executables
- vi. Experience with charts, visual summaries, or analytics in reports
- vii. Awareness of UX best practices for form-heavy applications
- viii. Exposure to SQLite or lightweight databases
- ix. Basic unit testing or test case writing
- x. Ability to document code and application logic clearly
- xi. Prior experience with survey, assessment, test, or questionnaire-based applications

**Age-** Preferably below 35 Years

**Duration and Payment:** The duration of the service contract will be three months. The Resource Person/software developer will be required to work in person on dedicated computer system at IIM Ranchi and the DRDO headquarters in New Delhi. **No remote/ online work mode will be allowed.** The payment for the deliverable will be made on a lump-sum amount, ₹90,000 (Rupees Ninety **Thousand only**) subject to satisfactory completion of assigned work and deliverables.

### **Condition for Participating Vendor –**

1. The vendor should have PAN.
2. The bidder can be a natural person/freelancer or a registered Company/Firm/Society/ Agency (Enclose the registration/Incorporation certificate).
3. MSME exemptions as per Government of India rules.

## Scope of Work:

1. Application Design & Architecture
  - a. Design and develop a GUI-based desktop application with a smooth, intuitive user flow
  - b. Maintain a clean separation between UI, application logic, and data layers. Ensure clear separation of UI and business logic
2. Dynamic Forms & Questionnaire Management
  - a. Generate dynamic forms or questionnaires
  - b. Implement dynamic questionnaires with conditional logic and branching flows. Support multiple question types (text, multiple choice, scales, etc.)
  - c. Manage application state, user progress, and navigation
3. AI & Offline Capabilities
  - a. AI agents for offline applications using a local database
4. Data Storage & Handling
  - a. Use local data storage (files or lightweight databases)
  - b. Read and write structured data formats (JSON, CSV, XML, etc.)
  - c. Basic understanding of data validation and integrity
5. ERP Integration
  - a. Generate queries to fetch input data from the organization's ERP
  - b. Automatically feed input into the developed system from the ERP
  - c. Store user responses in the ERP in a structured format
  - d. Integrate the developed system into the organization-wide ERP system
6. Business Logic & Processing
  - a. Implement scoring, rules, and business logic based on responses
7. Reporting & Output Generation
  - a. Generate final reports programmatically (tables, summaries, and insights)
  - b. Experience generating reports programmatically (tables, summaries, exports)
  - c. Exposure to output formats such as:
    - i. PDF
    - ii. Excel / CSV
  - d. Familiarity with libraries or tools for report generation is an added advantage (e.g., Pandas, ReportLab, FPDF, Apache POI, iText, etc.)
8. Quality Assurance & Performance
  - a. Handle input validation, error cases, and edge conditions
  - b. Exception handling and debugging skills. Write stable, readable code.
  - c. Basic understanding of background or asynchronous processing
9. Deployment & Distribution

Package the application into a distributable installer/executable

### **Deliverable after the project completion:**

1. Graphical User Interface (GUI) of approximate 100 number of questions to take as input
2. Back end python code for TRL calculations
3. Logic rules for question selections
4. Integration of AI, Machine Learning, Big Data Analytics into the model

### **Submission of Bids:**

Sealed quotation as per Annexure-I along with Bid Forwarding Letter as per Annexure-II, other mandatory documents and copy of this tender document, duly signed and stamped by the bidder should be submitted to “The Administrative Officer (S&P), Indian Institute of Management Ranchi, Prabandhan Nagar, Naya Sarai Road, Ranchi-835303 (Jharkhand)” either by **speed post/Hand/ courier only**. **The price offers should be completely sealed and super-scribed** as “Notice Inviting Tender (NIT) to Engage a Software Development Agency or Freelancer for Software Development at IIM Ranchi; Tender No. IIM Ranchi/NIT/SoftwareDeveloper/2025-26/53 dated 06.02.2026.

**FINANCIAL BID**

(To be submitted on the letterhead of the bidder)

Date of Submission of Financial Bid : _____	
Ref: Notice Inviting Tender (NIT) to Engage a Software Development Agency or Freelancer for Software Development at IIM Ranchi Tender No.: IIM Ranchi/NIT/SoftwareDeveloper/2025-26/53 dated. 06.02.2026	
Name of the Bidder:	
Correspondence Address:	
Tel/ Mob No.:	
Email:	

*(Amount in INR)*

Sl.	Particulars	Amount	GST	Total Amount (Including GST)
1.	Software development work as per scope of work			
<b>Total in Words</b>				

- i. The bidder offers the Lowest Rate (L1), will be declared as the successful bidder.
- ii. Maximum time to execute the work is three months.
- iii. Applicability of GST will be as per the extant rules of the Govt. of India.
- iv. Selection Method: Lowest cost proposal (L1) of technical responsive bidder will be considered for award of contract.

**Declaration**

I/We..... (Name of the Partner/s or Authorized Representative of Bidder) of ..... (Name of the vendor/ firm/ agency) do hereby declare that the entries made here are true to the best of my/our knowledge. I/We hereby agree to abide by all terms and conditions laid down in tender document.

Place: \_\_\_\_\_ (Name & signature with stamp of the bidder)

Date:

**BID FORWARDING LETTER**

(To be submitted on letterhead of the bidder as per this format only)

Date: \_\_\_\_\_

To  
The Administrative Officer (S&P),  
Indian Institute of Management Ranchi,  
Prabandhan Nagar, Nayasarai Road,  
Ranchi, Jharkhand, PIN - 835303

Sub: Notice Inviting Tender (NIT) to Engage a Software Development Agency or Freelancer for  
Software Development at IIM Ranchi,  
Tender No.: IIM Ranchi/NIT/SoftwareDeveloper/2025-26/53 dated. 06.02.2026.

Sir,

I/ We hereby confirm and declare that I/We have carefully studied the tender documents therein and  
undertake myself/ ourselves to abide by the terms and conditions laid down in the tender document.

I/ We also keep the offer open for 30 (Thirty) days from the date of opening of bid.

Yours faithfully,

(Name & signature with stamp of the bidder)