

**REVISED SCOPE OF WORK FOR HIRING OF 03 X CODERS FOR
09 x MONTHS FOR DEVELOPMENT & MAINTENANCE OF MISO APPLICATION**

1. Development Related Activities

- (a) Develop and maintain secure, efficient, reusable, and reliable Java code for both front-end and back-end applications, following industry-standard security best practices incorporating AI, ML, and IoT technologies.
- (b) Collaborate with the UI/UX design team to implement secure and user-friendly interfaces, ensuring a seamless user experience while prioritizing data protection.
- (c) Design and develop robust RESTful APIs, implementing proper authentication, authorization, and data validation mechanisms to ensure secure communication between front-end and back-end systems.
- (d) Implement secure coding techniques to prevent common vulnerabilities, such as Cross-Site Scripting (XSS), Cross-Site Request Forgery (CSRF), SQL injection, and others.
- (e) Conduct regular security code reviews, vulnerability assessments, and penetration testing to identify and mitigate potential security risks.
- (f) Implement encryption and hashing techniques to protect sensitive data in transit and at rest.
- (g) Stay updated with the latest security vulnerabilities, threats, and countermeasures, and proactively incorporate security enhancements into the development process.
- (h) Collaborate with cross-functional teams, including security analysts and quality assurance testers, to ensure that security requirements are met throughout the software development lifecycle.
- (i) Participate in security incident response activities, including investigating and resolving security-related issues in a timely manner.
- (j) Mentor and guide junior developers on secure coding practices, providing technical expertise, and promoting a security-first mindset within the development team.
- (k) Integrate AI and ML algorithms and models into the software architecture, leveraging frameworks such as TensorFlow, PyTorch, or scikit-learn.
- (l) Stay up to date with emerging AI, ML, and IoT technologies, tools, and frameworks, and evaluate their potential for enhancing our software solutions.
- (m) Provide technical guidance and mentorship to junior developers, promoting knowledge sharing and continuous learning within the team.
- (n) Ensure security and privacy of AI, ML, and IoT systems by implementing robust authentication, encryption, and access control mechanisms.
- (o) Monitor and optimize database performance, identifying and resolving performance bottlenecks to ensure optimal system responsiveness.

- (p) Develop and implement data backup and recovery strategies to safeguard data integrity and minimize downtime in the event of system failures.
- (q) Develop and maintain data dashboards and visualizations to effectively communicate data insights to technical and non-technical stakeholders.

2. **Maintenance Related Activities**

- (a) **Technical Support.** Address various technical queries and assist users in troubleshooting various glitches & problems faced by them while using the MISO application.
- (b) **Content Updation.** Frequent monitoring & timely content updates, including Master Database update, bugs rectification, application software upgrades for new windows & patch updates, to maintain application's relevance & effectiveness.
- (c) **Security Updates.** Regular security updates & patches, vulnerability assessment, data encryption & compliance with cyber security standards to prevent cyber threats.
- (d) **Software Testing & Debugging.** Regular functional and performance testing, to ensure smooth user experience and prevent security vulnerabilities.
- (e) **Database Management.** Managing database updates, back-ups and optimization for smooth operation of the application.

Station : c/o 56 APO

Dated : 22 May 2024



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EVALUATION CRITERIA AND METHODOLOGY FOR HIRING 03 X CODERS FOR 09 x MONTHS FOR DEVELOPMENT & MAINTENANCE FOR MISO APPLICATION

1. **Technical Evaluation :-**

(a) The technical evaluation will be done against the following criteria :-

- (i) Written Examination - 30 Marks.
- (ii) Interview - 50 Marks.
- (iii) Education Qualification - 20 Marks

Total - 100 Marks

(b) **Technical Qualification Criteria.** Company/ individual scoring **more than 70 marks** in the technical evaluation will be shortlisted for further evaluation.

(c) **Conduct of Written Examination & Interview.** The written examination & interview will be conducted as per details given below :-

- (i) **Venue :** MISO Conference Hall, DGIS,
DGIS Enclave, Rao Tula Ram Marg
Shankar Vihar,
Delhi Cantt- 110010
- (ii) **Date :** Will be finalised later

2. **Commercial Evaluation.** The vendor quoting the lowest cost will be given 100 marks. The rest of the vendors will be given marks proportionately

3. **Combined Score Based Technical & Commercial Evaluation :-**

- (a) Marks scored in Technical Evaluation will be given 70% weightage.
- (b) Marks scored in Commercial Evaluation will be given 30% weightage.
- (c) Vendor scoring maximum marks in Combined Evaluation will be selected.

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