

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
(ACADEMIC AFFAIRS OFFICE)**

Dated: June 28 , 2022

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: **Prof. Apurbba Kumar Sharma**), Dept./Centre **Dean of Academic Affairs**, Indian Institute of Technology, Roorkee.

1. Title of project : Academic Affairs Office Automation (AAA)
2. Sponsor of the project : Internal Resources

3. Project position(s) and number	4. Qualifications	5. Emoluments	6. Duration	7. Job description	Desirable Qualification
<b>Project Consultant (as Data Scientist) - 01 No.</b>	Ph.D. in Data Science/ Computer Science Engg. or equivalent +2 year relevant work experience Or M.Tech. in Data Science/ Computer Science Engg. or equivalent +4 - year relevant work experience	Rs. 75,000/- to Rs. 2,50,000/- + HRA	One year and may be extended further	<ul style="list-style-type: none"> <li>• Responsible for data collation, analysis, presentation and reporting.</li> <li>• Responsible for all academic data management &amp; extraction of information there from relevant to academics.</li> <li>• Responsible for preparation of academic related data for RAC, parliamentary as well as ministry queries, RTI/ Commission queries, etc.</li> <li>• Analyze raw data: assessing quality, cleansing structuring for downstream processing</li> <li>• Design accurate and scalable prediction algorithms</li> <li>• Collaborate with technical team to bring analytical prototypes to production</li> <li>• Generate actionable insights for Academic quality Improvements</li> </ul>	<ul style="list-style-type: none"> <li>• Deep understanding of predictive modeling, machine learning, clustering and classification techniques, and algorithms</li> <li>• Fluency in a programming language (for example Python, C, C++, Javascript, SQL, ASP.Net, Python)</li> <li>• Familiarity with Big Data frameworks, AI and Mainframe tools and visualization tools (for example- Cassandra, Hadoop, Spark, Tableau)</li> </ul>



<b>Research Associate (as Senior Programmer) - 01 No.</b>	M.Tech. (Computer Science/IT), M.C.A., M.Sc. (Computer Science/IT) or equivalent with more than 3 years' work experience in relevant field or B.Tech. (Computer Science/IT) or equivalent with more than 5 years' work experience in relevant field	Rs. 30,000/- to 75,000/- + HRA	One year and may be extended further	<ul style="list-style-type: none"> <li>• Programming and customizing applications in JavaScript, jQuery, PHP/DotNet/Python, Ajax and CMS Expert</li> <li>• Developing database applications using MySQL, Designing responsive pages in HTML5, CSS3, web applications</li> <li>• Maintaining encryption and security of online platforms and Network Administration.</li> <li>• Web designing, layout and coding of a website</li> </ul>	Appendix-A
<b>Project Associate (as Junior Programmer) - 03 No.</b>	B.Tech. (Computer Science/IT)/ M.C.A./ M.Sc. (Computer Science/IT) or equivalent with 1-3 years' work experience in relevant field	Rs. 25,000/- to 60,000/- + HRA	One year and may be extended further	<ul style="list-style-type: none"> <li>• Programming and customizing applications in JavaScript, jQuery, PHP/DotNet/Python, Ajax and CMS Expert</li> <li>• Developing database applications using MySQL, Designing responsive pages in HTML5, CSS3, web applications</li> <li>• Maintaining encryption and security of online platforms and Network Administration.</li> <li>• Web designing, layout and coding of a website</li> </ul>	Appendix-B
<b>Project Assistant (as Data Entry Operator) -02 No.</b>	B Tech/ BArch/MSc/ MA (with 05 years work experience in office automation system)	Rs. 25,000/- to 60,000/- + HRA	One year and may be extended further	Digitization and automated academic activities (UG, PG & PhD) on software / applications based on visual studio, .net, C#, SQL, etc.	

8. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.



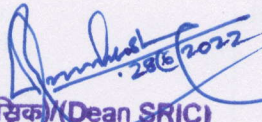
9. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post:
- Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
  - Experience including research, industrial field and others.
  - Attested copies of degree/certificate and experience certificate.
10. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
11. Preference will be given to SC/ST candidates on equal qualifications and experience.
12. Please note that no TA/DA is admissible for attending the interview.
13. The last date for application to be submitted to office of Principal Investigator is **July 06, 2022, ~~Monday~~ <sup>Wednesday</sup> by 5:00 PM.**

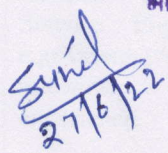
The interview will be held **offline** at the **Office of Dean of Academic Affairs** on **July 18, 2022** at **11:00 a.m.**

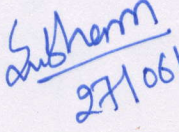
Tel.: 01332-285255


Name and signature of Principal Investigator

Email: daa\_office@iitr.ac.in

  
28/6/2022  
डीन (सि.क.)/Dean SRIC  
भा. प्रौ. सं. रुड़की/IIT Roorkee

  
27/6/22

  
27/06/2022

  
24/6/22

Desirable Qualifications  
(in any one of the following)

**1. Requirements for HTML5 Developer:**

- Essential: HTML (with HTML 5 experience), CSS3, jQuery, Bootstrap and JSON, PHP, javascript/ Coffeescript, Saas
- Desirable (additionally) : ASP.NET, Silverlight, SQL, CMS systems, Git, Good knowledge of Sizmek and Doubleclick, MVC templates, 'node.js' for programming and coding (backend) and angular for frontend designing and development
- Experience in client/server networking, Operating systems

**2. Requirements for Python Developer:**

- Essential: Python, Django, Flask or other Python frameworks
- Desirable (additionally): Server-side templating language like Jinja 2, Mako, Javascript, HTML5, CSS3, PHP, Git 'node.js' for programming and coding (backend) and angular for frontend designing and development
- Experience in ORM (Object Relational Mapper) Libraries, Operating systems

**3. Requirement for Database Developer:**

- Essential: PL/SQL coding, Oracle RAC, SQL server or MySQL
- Desirable (additionally): HTML5 and Javascript/Coffeescript
- Experience: Handling NoSQL/ NewSQL database, Operating systems

**4. Requirements of Java Developer:**

- Essential: Java EE platforms, J2EE framework software such as Spring, Struts, jQuery, Ajax, JSON, CSS, HTML 'node.js' for programming and coding (backend) and angular for frontend designing and development
- Desirable (additionally): DB schemes and SQL development with ORM frameworks, Networking, Operating systems, PHP, Git, Coffeescript
- Experience: Agile/Scrum development process

**Desirable Qualifications**  
**(in any one of the following)**

1. **Requirements:**

- Essential: Java EE platforms, J2EE framework software such as Spring, Struts, jQuery, Ajax, JSON, CSS, HTML(with HTML 5 experience), Bootstrap Javascript/ Coffeescript ('node.js' for programming and coding (backend) and angular for frontend designing and development), SaaS, ASP.Net, Silverlight, SQL, CMS systems, Python, Django, Flask or other Python frameworks
- Desirable (additionally): DB schemes and SQL development with ORM frameworks, Networking, Operating systems, PHP, Git, (Good knowledge of Sizmek and Doubleclick, MVC templates)
- Experience: Agile/Scrum development process,