Requirement of Software Professionals

About the project:

Virtual laboratory project is a flagship project under the "National Mission on Education through ICT" (NMEICT) of Ministry of Education, Govt. of India. This is the fourth phase of the project and 12 leading Institutes of the country are working on this project since 2009. College of Engineering Pune is one of the active participants of the project since beginning. More details about this project is available at https://www.vlab.co.in/ . In the phase IV of this project simulators related to various engineering domains will be developed which are required as per AICTE model curriculum.

The appointment for this project will be purely temporary and can be terminated any time based on the project closure OR poor performance by the employee. The major requirements of the manpower for this project are to "think innovatively to develop better learning experience for the students, develop simulators which are close to real experiments, develop methods using modern tools to track the performance of the students while performing the online experiments, and understand the basic concepts from domain experts, and convert them in useful simulators.

For all the positions open source software background and proficiency is a must as the project is mainly designed using these open source software.

For any query you can reach to Prof. S.D. Agashe Principle Investigator of the virtual laboratory project at COEP. His e mail id is : sda.instru@coep.ac.in

Requirement of manpower with qualification:

Sr. No.	Designation	Required qualification
1.	Sr. Software Engineer	BE/MCA in Computer and allied engineering branches with excellent command on programming, (open source languages only: Existing virtual lab platform uses Java, Java Script, HTML and open source databases), project management, prior experience of executing projects is essential. Minimum experience: 5+ years with similar technology exposure
2.	Software Maintenance Engineer	Upkeep of existing laboratories: BE/MCA in Computer and allied engineering branches with excellent command on programming, (open source languages only: Existing virtual lab platform uses Java, Java Script, HTML and open source databases), Minimum experience of 5+ years with similar technology exposure

3.	Network/maintenance Engineer	BE/ Diploma in Computer and related field, certification in networks and minimum four years experience in the field, Well conversant with all network related issues, prior experience of maintaining networks and remote servers, virtualiasation, security, audit and upkeep of servers at nodal centers, prior experience in this fiel.d is essential
4.	Outreach Engineer	Engineering degree from any discipline, prior experience of teaching desirable, and the job profile expects close interaction with professional educational Institutes in the chosen domain, conducting workshops, and spreading awareness about the Virtual labs, maintaining outreach targets as prescribed by the PI of the project.
5.	Account assistant	Ready to work part-time, having good command on accounting and record keeping as per the project requirement. Single point of contact for all communication with project HQ, tracking project deliverables, upkeep of records in Central Govt. project repository etc.
6.	Software developers	Fresh Computer or allied engineers with command on programming languages, back end development tools, data bases, GUI and App development. For UI developer: Expert in HTML5, CSS3, Bootstrap 3/4/5, and responsive layout design with a media query. The candidate should be good in JavaScript, jQuery, Java, and the latest JavaScript framework/Libraries. Able to integrate existing API [REST] and network system.