TATA INSTITUTE OF FUNDAMENTAL RESEARCH
(Autonomous Institution of the Department of Atomic Energy, Government of India**)**
Sy.No.36/P, Gopanpally Village, Serilingampally Mandal,
Ranga Reddy Dist. Hyderabad – 500 107
Tel: +91(0) 40 2020 3040 Website: www.tifrh.res.in

Advertisement No. 2019/04

Applications are invited for the following posts tenable at Hyderabad. Please visit our website for application details and prescribed requirements http://www.tifrh.res.in/index.php/staff-positions/.

Sr. No.	Name of the Post	Reservations					Age Below	Consolidated Pay (Rs.)	TME Rs.
		UR	SC	ST	OBC	PWD			
1	Project Scientific Officer (C)	1	-	-	-	-	28	Rs.71000/- Consolidated	Rs. 71000/- (Including HRA of Rs.12100/-)
2	Project Scientific Officer (C)	1	-	-	-	-	28	Rs. 71000/- Consolidated	Rs. 71000/- (including HRA of Rs.12100/-)
3	Project Scientific Officer(B)	1	-	-	-	-	28	Rs. 58000/- Consolidated	Rs. 58000/- (including HRA of Rs.10200/-)
4	Project Scientific Officer (B)	1	-	-	-	-	28	Rs.58000 /- Consolidated	Rs.58000/- (including HRA of Rs.10200/-)

Abbreviations: UR – Unreserved

1. Project Scientific Officer (C): One Post -Temporary for one year and may be renewed each year upto a total period of three years depending upon performance and requirement.

Essential Qualifications: M.Sc. degree in Biological Sciences with 60% marks in aggregate(OR) B.E./B.Tech. degree in Biomedical Instrumentation with 60% marks in aggregate.

Essential Experience:

- Minimum three years hands-on experience in managing a multi-user cell sorter, flow cytometry and confocal microscopy facility at a research institution.
- Ability to perform routine sorter and confocal equipment maintenance and calibration with minimal help from company engineers.
- Experience with setup and execution parameters to run multi-color FACS and microscopy experiments, including single cell sorting.
- Ability to analyze, interpret data and familiarity with FACS and microscopy analysis software such as FlowJo, ImageJ.
- Excellent communication, writing, planning and organizational skills.

Desirable Experience: Experience with maintenance of major common biological equipment at a research institution.

Job Responsibilities:

- Manage the daily set up and calibration of Flow cytometers, FACS machines and confocal microscopes in a multi-user facility.
- Operate and perform routine maintenance on specific equipment, as needed.
- Liaison with company engineers and technical support staff to achieve optimum performance and arrange periodic servicing and maintenance of all the equipment in the core facility, including software and hardware upgrades.
- Impart training to new users and track equipment usage.
- Advise users on experimental design, sample preparation and troubleshooting.. Contribute to the development and advancement of the central cytometry and imaging facility, as needed.
- Proactively assist in the implementation of novel cytometry and imaging protocols and their applications.
- Coordinate with faculty, vendors and administration for tendering, acquisition and maintenance of major common biological equipment at TIFR-H.

"Candidates are requested to provide one (1) page cover letter describing their past experience, CV and contact details of two references or two reference letters to verify prior work experience" .

2. Project Scientific Officer (C): One Post- Temporary for one year and may be renewed each year upto a total period of three years depending upon performance and requirement.

Essential Qualifications: B.E./B.Tech. degree in any discipline with 60% marks in aggregate.

Essential Experience:
Minimum 1 year of experience in development of advanced instrumentation, Knowledge of Electronics, mechanical drawings(CAD) and interface with the workshop for building scientific apparatus is essential.

Desirable Experience:
Experience in working with scientific laboratories with advanced Instrumentation. Multi-domain practical knowledge in diverse areas such as optics, lasers, electronics, vaccum systems, data acquisition will be an added advantage candidates with proven skills in IoT, sensor interfacing will be preferred .

Job Responsibilities:
- Assist in Laser maintenance, upgradation, repair and daily operations.
- Vacuum systems/Beamline end stations upkeep, repair and interfacing with vendors for purchases/replacements.
- Assist in design of vacuum chambers and beamlines for upgradation of end stations.
- Repair, maintenance and upgradation of electronics, data acquisition and future automation.
- Interfacing with vendors for purchases/replacements and AMC for Clean room system. Assist for design of future clean rooms systems.

3. Project Scientific Officer (B): One Post - Temporary for one year and may be renewed each year upto a total period of three years depending upon performance and requirement.

Essential Qualifications: Master of Science in any discipline with minimum 60% of marks in aggregate (OR) B.E. / B. Tech. degree in any discipline with minimum 60% of marks in aggregate.

Essential Experience: Minimum 1 year of experience in creating illustrations. Basic experience with vector graphic editing software such as Inkscape or Illustrator isnecessary. While submitting the application, please provide a link to an online repositoryor website that will have examples of your artwork.

Desirable Experience: Strong artistic abilities, basic 2D/3D animation skills, a flair forstorytelling.

Job Responsibilities:

- The candidate is required to design engaging digital and print artwork for use in the institute's science media centre initiatives. A major part of the candidate's role is to create scientifically accurate illustrations that explain the research being conducted in TIFR Hyderabad.
- The candidate is also expected to contribute to posters for institute events (such as conferences and science cafe 'Sawaal-Jawaab' posters).
- The person will need to be independent, enthusiastic and self-motivated with an ability toadhere to strict deadlines.
- We would like to encourage the candidate to explore possibilities of creating animations to explain a scientific concept to a general audience.

4. Project Scientific Officer (B): Temporary for one year and may be renewed each year upto a total period of three years depending upon performance and requirement.

Essential Qualifications: B.E. /B.Tech (CSE/IT/ECE/EEE/EIE) with minimum 60% of marks in aggregate (OR) M. Sc. (CSE/IT) with minimum 60% marks in aggregate.

Essential Experience: Minimum 1-2 years of experience in Web development in a large/reputed organization.

Desirable Experience:

- Hands-on experience with anyone Content Management System (CMS) like Wordpress, Drupal, Joomla etc. is mandatory.

- Strong experience in customizing existing modules and creating custom modules; hands-on experience in CMS theme creation from HTML.

- Strong Knowledge of HTML, CSS, JavaScript, Web2.0 (JQuery / Ajax), PHP and MySQL.

- Experience in using caching tools and working on optimizing the database.

- A clear understanding of complete website hosting.

- Exposure to audio /video processing and web-based Audio-Visual content delivery wil be an added advantage.

- Basic system administration skills with Desktop management, Operating system (Windows, Linux and Mac OS X) installation and troubleshooting, Hardware/Network troubleshooting, VoIP/Video conferencing management is preferable.

- Basic Linux administration skills will be an added advantage.

- Excellent problem solving, communication and documentation skills.

- Ability to work in a team as well as independently.

- Ability to learn on the job.

- English language communication skills.

- Preferably worked on designing/managing websites for premier academic institutes but not mandatory.

Job Responsibilities:

- Design and develop new websites as per the requirements of the institute.
- Responsible for upkeep and smooth functionality of the website which involves maintenance of all TIFR-H websites.
- Update data on the websites.
- Develop/ customize modules on institute websites as per requirements.
- Understand the requirement of users and mapping them into the technical document for developing a website.
- Test the web modules independently.
- Liason with the users of the website.
- Design additional features and upgrade the website.
- Maintenance of the current and upcoming websites, web portals and web services.
- Monitor security and, track, compile, and analyze web site usage/ traffic data and provide data as and when required.
- Work with scientists, designers and content writers for continued improvement of theTIFR-H's digital presence.
- Basic system administration like desktop hardware troubleshooting, Operating system installation (Windows/Linux/Mac), basic AV management/troubleshooting for the institute events like seminars, meetings, etc.,

General Information:

Selected candidates are liable to be transferred to other Centres/Field Stations of the Institute, if required.

Prescribed age should not exceed as on **July 1, 2019** for the above posts.

Post for the general category (Unreserved) – SC/ST/OBC/PWD (Persons with Disabilities) candidates can also apply.

Selected candidate may have to work in shifts/outside office hours and on Saturdays/Sundays and holidays.

Applications from the candidates will be accepted **ONLY ON-LINE.**

Candidates applying for above posts and who are eligible for **age relaxation** as per extant GOI rules are required to submit applications by POST, along with a copy of relevant certificate in support of age relaxation **(for example ex-servicemen, persons with disabilities etc.).** [SC, ST & OBC candidates applying for unreserved posts are not eligible for age relaxation and should apply online]. Incomplete applications and applications without photocopy of certificates in support of age relaxation and applications received after the last date shall not be considered.

Applicants in Government/Semi-Government/Public Sector Undertaking must apply through proper channel. Applicants, who do not send their applications through proper channel, if called, will be able to participate in the recruitment process only upon submission of the NOC from the competent authority. However, an advance copy of application along with relevant enclosures may be submitted by post on or before **17-01-2020**. Such applicants are not required to apply online.

i) On-line applications must be submitted on or before 17-01-2020 **and applications by post must reach the Administrative Officer TIFR, Hyderabad on or before 17-01-2020.** Applicants who are required to send the applications by post must super scribe the post applied for, advertisement No. & serial number of the post on the envelope. The format of the application is as prescribed for on-line applications.

ii) **Note: The candidates are required to produce following original documents with copies at the time of the recruitment process:**

a. **Identity proof (Aadhar Card/ Election Card / Pan Card / Passport / Driving Licence).**
b. **Printout of online application form.**
c. **Date of birth / Proof of age.**
d. **Educational Qualification (all mark sheets and certificates).**
e. **Experience Certificates.**
f. **Conduct certificates from two respectable persons.**

iii. Outstation candidates called for interview for the above posts will paid single III Tier A/C, return train fare for the journey by the shortest route from the nearest railway station of their place of residence to the nearest railway station of the place of written test / interview on the production of photocopies of onward and return journey tickets.

iv. The Institute reserves the right to restrict the number of candidates for the recruitment process to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement. Mere fulfilling the essential and desirable qualifications will not entitle an applicant to be called for the recruitment process. More vacancies may also be filled through this advertisement. The Institute reserves the right not to fill any/some posts herein advertised. Canvassing in any form shall disqualify the candidate.

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