(Notification for recruitment of positions in the project)

Form – A

University of Hyderabad
School of Physics

No.UH/ PHY/NSRG/ISRO-RESPOND/Project staff/2019

Date: 7.03.2019

Applications are invited from eligible candidates (Indian Nationals only) in the attached format *(Form B) only* for the following position(s) in the research project entitled "Stray light suppression in optical payloads via nanostructured absorbing surfaces fabricated by femtosecond laser patterning " funded by ISRO, Respond projects. Additionally candidate is encouraged to submit statement of purpose.

1	Name of the Post	JRF and SRF
2	Number of positions	**JRF** one position & **SRF** one position
3	Fellowship / Honorarium / Stipend in Rs.	**JRF:** Rs. 25,000/- for PG degree in basic/ professional course with NET/GATE (equivalent) qualified or PG degree in professional course. For non-NET/ GATE candidates, salary based on research experience in the area of the project **SRF:** 28,000/- for 2 years research experience in the field of Ultrafast lasers with NET/ GATE qualification/PG in Professional course
4	HRA, if applicable	Not provided. Student may avail hostel facility, subjected to availability
5	Tenure of the Post	**Six months from date of joining**. Based on performance can be extended every six months up to total 3 years. Based on performance JRF will be promoted to SRF after 2 years of completion.
6	Essential Qualifications	M.Sc./M.Tech in Physics or relevant area with First class. BE or BTech in Engineering physics.
7	Desirable Qualifications	Strong basics of Optics, Lasers and Photonics. Knowledge of interfacing instruments via Labview or C++. Good experimental skills in the Optics, physics laboratories. Preference will be given for research experience.
8	Experience	Hands on Experience in laboratory experiments in MSc. Research experience in Lasers and related fields.
9	Age Limit	30 years

1. Applicants should note that the appointments to be made are purely temporary and they have no right for claiming for any regular appointment in the University. Extension will be given only based on performance reviewed by the committee, there is no guarantee.
2. No TA/DA will be paid for attending the Interview or at the time of joining.
3. Copies of all certificates in support of the information furnished in the application should be enclosed.
4. Last date for receipt of filled-in applications is : 1.04.2019 by 5pm. **Only shortlisted candidates will be informed by email on 2nd April to attend interview**. Date, time and room number for interview at school of physics will be informed by email.
5. Address to which the applications should be sent: srgopal234@gmail.com

Dr. N. Sri Ram Gopal
School of Physics, University of Hyderabad, Gachibowli,
Hyderabad- 500046, Ph : 040 – 23134310

Name & Signature of the Project Investigator

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1. Web Master, UoH - with a request to place in the University website
2. All notice boards in the University of Hyderabad
3. All reputed research institutions in related area of the Project–for display on notice boards

Motivation for Applicants

Importance of the Project: This project is supported by Indian Space Research Organization ISRO to improve the quality of satellite images. Specifically targeted for the better radiometric resolution for the star sensors and space borne cameras, by fabrication of the spatialized nano-structured surfaces use the cutting edge technology of ultrafast lasers. The outcome of this project has national importance.

Facilities: Cutting edge facilities of high power 6mJ/ pulse femtosecond laser with tunable OPAs from 300nm to mid IR 10µm laser pulses with 75 fs and 1 KHz rep rate. Equipped with Nanosecond, Picosecond laser and fiber laser with 250fs and rep rate tunable form 200KHz to 1 MHz. Specialized optics covering from UV to IR optics, opto-mechanical systems, electronics such as Boxcar, delay generators, Lock-in and high end DAQ cards; Wet lab for chemical synthesis, Ultra high resolution programmable 3 axis stages, Spectrometers and detectors of wide ranges and resolution, Microscope, Several homebuilt setups.

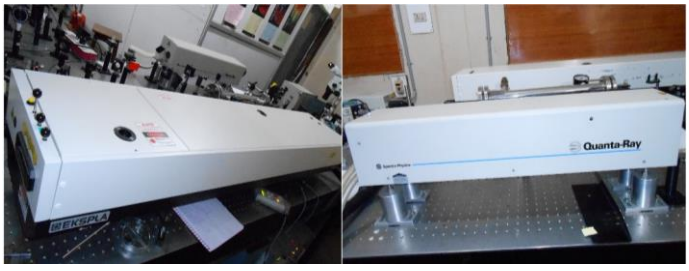
Departmental facilities: FESEM, SEM, TEM, Nano-Center, X-ray, PL, FL, e-beam, Deposition systems.

Group: One Assistant professor Dr. N. Sri Ram Gopal, Senior most Professor: D. Narayana Rao (Raja Ramanna Fellow Fellow). One Post Doc, Four PhD Students, three UG students. This group has produced many researchers and faculty who are working in reputed institutes across the world.

Exposure to several research areas:

Within the group:

Femtosecond laser surface patterning,
Multidimensional Infrared Spectroscopy (2DIR),
Transient Absorption spectroscopy,
Nonlinear optics, Applications in Bio-physics,
Photonics, Wetting Properties



Other Optics Groups at UoH:

Beam Optics and Applications,
Optical cooling and trapping,
Quantum optics, Nanophotonics lab,
Optical tweezers, LIBS Spectroscopy,
Terahertz, Shock waves

Form – B

Application for Position in the Project

Personal Details:			Proof enclosed Sl. No.
1	**Full Name (as in SSC certificate)**		
2	**Gender (Male / Female)**		
3	**Date of Birth & Age** ***(as on last date of the Notification)***		
4	**Father's Name**		
5	**Nationality**		
6	**Community (General / OBC / SC / ST / PWD)**		
7	**Married / Unmarried**		

Candidate's Name & Address for correspondence :		
	Mailing address	**Permanent address**
Name		
Address with PIN Code		
Email:		
Phone No.		
Mobile No.		
Fax No.		

Educational Qualifications							
Name of the Examination passed	**Name of the Board / University**	**Month & Year passed**	**Division /Class**	**% of Marks**	**CGPA (*if grading is applicable)***	**Subjects studied**	**Proof Encl. No.**
(a)	**(b)**	**(c)**	**(d)**	**(e)**	**(f)**	**(g)**	**(h)**

Experience (Including present position / employment)						
Designation & scale of pay	Name & Address of the Employer	Period of Experience			Nature of work	Proof encl. Sl.no.
		From date	To date	No. of years/ Months/days		
(a)	(b)	(c)	(d)	(e)	(f)	(g)

Research Experience if any :	

Any other Information on experience related to the present project	

Names & complete postal addresses of 2 referees :	
Email:	**Email:**
Phone (Landline) with STD Code :	**Phone (Landline) with STD Code :**
Mobile Ph:	**Mobile Ph:**

Applicants are encouraged to submit statement of purpose with emphasis in motivation to take up a research carrier.

Declaration: I hereby declare that all the entries made by me in this application are true to the best of my knowledge and belief. If anything is found false at any stage, my candidature may be cancelled without assigning any reason thereof.

Post Applied For: SRF or JRF (circle one of it)

Date: **Name and Signature of the Applicant.**