INSTITUTION OF EMINENCE (IoE) CALL FOR APPLICATIONS FOR POST-DOCTORAL FELLOWSHIP (IOE - PDF)

The IoE- Post-doctoral fellowship (IoE-PDF) scheme aims to attract motivated young researchers from across the country and abroad and provide them with the infrastructure and financial support to engage in creative, high-quality work in their discipline/area of interest. The fellow will work under a faculty-mentor from the School of Physics and centers attached (CASEST, ACRHEM, CEOAS), University of Hyderabad. The training will provide them a platform to grow as an independent researcher and potential faculty member of high quality. In addition to research, a fellow may be assigned teaching responsibilities, depending on their interest, to support and complement ongoing and/or initiate new programs in the respective academic unit as per the mandate of the IoE.

School of Physics invites applications from eligible candidates for the IoE-Post Doctoral Fellowship (IOE-PDF)

Essential Qualifications: Ph.D. in Physics.

PhD (Physics) or PhD(Electronics) or related area for candidates interested in working under the mentorship of faculty members listed under CASEST.

for position at CEOAS: PhD in Atmospheric Science/Meteorology/Physical Oceanography or a related field.

Desirable Qualifications: 3 published papers in refereed international journals (SCOPUS/WOS indexed).

Final selection will be based on an in-person interview of shortlisted candidates, which they have to attend at their own expenses.

Total Vacancies: 5 (UR=1, OBC=2, SC=1 , PwBD=1). It may be noted that merely satisfying the minimum eligibility conditions does not guarantee short-listing or selection. The University reserves the right to fill as many vacancies as it decides (i.e not all vacancies may be filled). The number of vacancies in each of the areas listed below is one only.

Shortlisting of candidates would be based on:

1. Consent of one of the faculty members listed to mentor/host the candidate. A faculty member should preferably give consent to a maximum of three candidates.

2. Consenting faculty member must ensure that s/he has sufficient infrastructure/ facilities to achieve the objectives of the research program. Since the initial appointment is only for a year, there is no time for training and establishing facilities after the candidate is appointed.

3. A candidate is allowed to choose only one Mentor from the list given below. Candidates receiving consent from a host/mentor faculty member will be preferred in shortlisting.

4. Number of publications as first or corresponding author and PhD supervisor independent publications.

For the candidates applying in the areas of High Energy Physics, if the candidate is not first/corresponding author, a letter from the PhD supervisor/PDF Host stating that she/he is the main contributor to the papers needs to be submitted along with the application.

5. Cumulative impact factor of the publications.

6. Experience: number of years relevant to the research program.

7. Institution from which degree is received (in case of many candidates, preference may be given to non-University of Hyderabad candidates).

Websites

School of Physics: http://sop.uohyd.ac.in/

CASEST: https://casest.uohyd.ac.in/

ACRHEM: http://www.acrhem.org/

CEOAS: https://centres.uohyd.ac.in/ceoas/

Sl. No.	Name of the School	Name of the Department	Name of the Faculty Name and contact e-mail address	Research Topic
1.	School of Physics	Physics	Nirmal Viswanathan *nirmalsp-AT-uohyd.ac.in*	Structured light-matter interactions
2.	School of Physics	Physics	V Subrahmanyam *vmanisp-AT-uohyd.ac.in*	Quantum Information in Spin chains

3.	School of Physics	Physics	N Sri Ram Gopal *nrsgsp-AT-uohyd.ac.in*	Ultrafast laser spectroscopy and patterning (or) Nonlinear mid-IR spectroscopy on 2D materials
4.	School of Physics	Physics	P. Manimaran *manimaran-AT-uohyd.ac.in*	Fractal analysis in complex systems
5.	School of Physics	Physics	Barilang Mawlong *barilang-AT-uohyd.ac.in*	Flavour Physics, CP Violation and Beyond Standard Model
6.	School of Physics	Physics	Sharath Ananthamurthy *sasp-AT-uohyd.ac.in*	Optics and Imaging Science, Soft Materials, Biophysics
7.	School of Physics	Physics	P K Suresh *sureshpk-AT-uohyd.ac.in*	Gravitation and Cosmology
8.	School of Physics	Physics	Ashoka V S *ashok_vs-AT-uohyd.ac.in*	Laser cooling, Atomic Physics (experiments)
9.	School of Physics	Physics	Ramachandrarao Yalla *rrysp-AT-uohyd.ac.in*	Quantum Optics and Nanophotonics
10.	School of Physics	Physics	A Rajanikanth *ammanabrolu-AT-uohyd.ac.in*	Magnetism and Nano materials
11.	School of Physics	Physics	S Srinath *srinath-AT-uohyd.ac.in*	Magnetism and Transport
12.	School of Physics	CASEST	S V S Nageswara Rao *svnsp-AT-uohyd.ac.in*	Electronic materials and devices
13.	School of Physics	CASEST	Pratap Kollu *pratapk-AT-uohyd.ac.in*	2d materials nanocomposites for water purification and rechargeable battery applications. Magnetic sensors design, simulation & development
14.	School of Physics	CASEST	Bhawna Gomber *bhawna.gomber-AT-uohyd.ac.in*	BSM physics using CMS detector data at LHC, CERN
15.	School of Physics	CEOAS	Sreenivas P *sreenivas83-AT-uohyd.ac.in*	Air- Sea interactions Climate and Tropical Cyclones

ELIGIBILITY AND OTHER CONDITIONS

1. Candidates from UGC-recognized (public or private) institutions or institutions of national importance or from international institutions (NRI/PIO/ Foreign nationals) with the degree awarded not more than three years before the announcement date of this call for applications. In the case of Indian nationals, a relaxation of two years will be provided to candidates belonging to OBC/EWS/SC/ST/Women/PwD categories, i.e., the Ph.D. should have been awarded not more than Five years from the date of announcement of this call for applications.

2. Candidates from UGC-recognized (public or private) institutions or institutions of national importance or international institutions who have submitted their Ph.D. and are awaiting the award of the degree are eligible to apply upon submission of Provisional Certificate.

3. Applicants already in regular service are not eligible to apply.

4. Faculty members are NOT permitted to host/mentor students they have supervised or co-supervised for Ph.D. as IOE-Post Doctoral Fellows

5. The upper age limit for the fellowship is 32 years (at the time of the submission of application) and age relaxation of up to 3 (three) years will be given to candidates belonging to SC / ST /OBC (Non-Creamy Layer) / Women / PWD / EWS candidates (i.e. 35years as the upper age limit)".

5. The IOE-PDF is a purely temporary assignment, and is tenable for one year from the date of appointment, renewable up to a maximum of three years OR the end of the IOE project, whichever is earlier. Candidates will not be eligible to claim this experience for any permanent position at the University of Hyderabad**.**

6. Extension beyond the one-year tenure will be subject to the availability of funds and performance review**.** There will be a rigorous assessment of yearly progress for the renewal of the Fellowship, and is NOT automatic.

7. **Notwithstanding any of the conditions mentioned above, the tenure of all appointments will be co-terminus with the tenure of the IOE program at the University of Hyderabad (which is currently 31/3/2024)**.

FELLOWSHIP: Rs. 55,000/- per month (consolidated) and Rs. 35,000 per month for candidates who have submitted the thesis and are awaiting the degree award.

RESEARCH GRANT: Rs. 1,00,000/ - per annum for IoE-PDFs in Schools of Chemistry, Engineering Sciences and Technology, Life Sciences, Medical Sciences, and Physics and Rs 50,000/- per annum for all other Schools. The grant can be used for consumables, contingencies, and domestic travel - for attending conferences/research meetings/symposia). **Purchase of items such as minor equipment, laptops, tablets, furniture, or any other form of the asset are NOT permitted.**

The IOE-PDFs are not eligible to receive any other fellowship from any Government or non-Governmental source during the tenure of the fellowship. If availing of any other fellowship/ remuneration, s/he must resign before accepting the IOE-PDF at UoH.

Deadline for applications: 22/08/2023.

The government of India's rules on reservation policy will be strictly followed in selections. The University reserves the right to reject all or any of the applications or cancel the call for applications without assigning any reason thereof.

IOE - PDF APPLICATION FORM

School of Physics

Please fill out the application form along with all required documents and submit it by email to: **ioepdfsop@uohyd.ac.in** , with the subject line IoE PDF-2023.

Please do not send soft copies of all your papers, thesis etc.

This form, along with annexures, may be converted into a single pdf file and sent by email to the contact address:

APPLICANTS PERSONAL DETAILS	
NAME	
GENDER	
DATE OF BIRTH AND AGE	

NATIONALITY / SOCIAL STATUS / CATEGORY	
PERMANENT ADDRESS	
ADDRESS FOR CORRESPONDENCE	
APPLICANTS PROFESSIONAL DETAILS	
DETAILS OF QUALIFICATIONS (IN REVERSE CHRONOLOGY). INCLUDE NAME OF THE DEGREE, YEAR OF PASSING, CLASS/DIVISION OBTAINED AND NAME OF THE UNIVERSITY.	**COPIES OF CERTIFICATES ARE TO BE ATTACHED AS ANNEXURE**
SUMMARY OF PHD WORK (SYNOPSIS OF THESIS)	**ATTACH AS ANNEXURE**
AREA OF SPECIALIZATIONS	
DETAILED CV WITH PREVIOUS POST DOCTORAL EXPERIENCE, IF ANY, LIST OF PUBLICATIONS, IF ANY AND NAMES OF THREE REFEREES (ENCLOSE A MAXIMUM OF 3 REPRINTS)	**ATTACH AS ANNEXURE**
SUMMARY OF YOUR RESEARCH EXPERIENCE AND SKILL SETS	**ATTACH AS ANNEXURE(2pages only)**
APPLICANTS PROPOSED RESEARCH ACTIVITY	
DETAILS OF RESEARCH PROPOSAL WITH CLEAR OBJECTIVES, DELIVERABLES & MILESTONES ETC (Maximum of 10(ten) pages.)	**ATTACH AS ANNEXURE** 1. Title of the Research Proposal 2. Name and Affiliation of Faculty mentor (if endorsement received) 3. Abstract (maximum 300 words) 4. Introduction 5. Origin of proposal 6. National and International status 7. Hypothesis/Detailed Methodology 8. Expected outcomes including new inventions/discoveries, publishing quality papers/articles, book/book chapters, and others (200 words).

	9. Previous research experience highlighting achievements, if any. 10. Maximum page limit is ten(10).
NAME AND AFFILIATION OF THE FACULTY MEMBER WHO HAS AGREED TO MENTOR THE APPLICANT	ATTACH ENDORSEMENT LETTER FROM THE MENTOR

I STATE THAT THE APPLICATION IS COMPLETE IN ALL RESPECTS AND THAT ALL INFORMATION IS CORRECT. I UNDERSTAND THAT IF ANY OF THE INFORMATION PROVIDED IS FOUND TO BE FALSE, THE FELLOWSHIP WILL BE TERMINATED IMMEDIATELY, AND THE APPLICANT WILL BE LIABLE TO REFUND THE FELLOWSHIP RECEIVED.

Name and signature of the applicant: **Signature/date**

Name of faculty mentor (if relevant): **Signature/ date**

(Digital signature is acceptable in advance)