INSTITUTION OF EMINENCE CALL FOR APPLICATIONS FOR FIVE (5) POST-DOCTORAL RESEARCH FELLOWSHIPS IN THE SCHOOL OF ENGINEERING SCIENCES AND TECHNOLOGY

Under the directorate of the Institution of Eminence Post-Doctoral Research Fellowship (IoE-PDRF) scheme, young researchers are invited from across the country and abroad to engage in creative, high-quality work in the advertised disciplines/areas of interest. The fellow will work under a faculty-mentor from the School of Engineering Sciences and Technology (SEST), University of Hyderabad (UoH). In addition to research, a fellow may be assigned teaching responsibilities, depending on their interest, to support and complement ongoing or initiate new programs in SEST, UoH as per the mandate of the IoE.

Essential Qualifications: PhD (completed/thesis submitted) in one of the disciplines mentioned in the table below, corresponding to the topic of IoE-PDRF.

Desirable Qualifications: 3 published papers in refereed and relevant international journals (SCOPUS/WOS indexed). Out of 3, a minimum of 2 publications as first author in journals with an impact factor not less than 2 is desirable

The final selection will be based on an online/in-person interview of shortlisted candidates. The candidates shall attend the in-person interviews at their own expense.

Total vacancies: 05 (SC-1, ST-1, OBC-1, UR-2)

It may be noted that merely satisfying the minimum eligibility conditions does not guarantee shortlisting or selection. The University reserves the right to fill as many vacancies as it decides (i.e., not all vacancies may be filled).

Sl. No.	Name of the Faculty & e-mail id	Research Topic/areas	Background
1	Dibakar Das dibakardas@ uohyd.ac.in	Functional Ceramics including piezoelectric, magnetic, microwave and nanoceramics for biological applications.	Ph.D. in one of the following Engineering/Technology disciplines; Materials, Metallurgical, Ceramic, Chemical, Nanoscience and Technology or in one of the following Science disciplines; Materials, Nano, Physics, Chemistry, Biotechnology/Biomedical

2	Jai Prakash Gautam jaiprakashgautam@uohyd.ac.in	1. Process microstructure-property correlation 2. Texture control in automotive, electrical steels and super alloys 3. Iron ore waste utilization and green steel manufacturing,	Ph.D. in one of the following Engineering/Technology disciplines; Mechanical, Materials, Metallurgical, Nano, Ceramic, Chemical, Industrial, Production, Manufacturing or in one of the following Science disciplines; Materials, Nano, Physics and Chemistry
3	V.V.S.S. Srikanth vvsssse@uohyd.ac.in	Sustainable conversion of waste materials including biomasses, into useful materials for energy and agricultural applications	Ph.D. in one of the following Engineering/Technology disciplines; Materials, Metallurgical, Nano, Chemical, Manufacturing or in one of the following Science disciplines; Materials, Nano, Physics, Chemistry, Biotechnology (MSc. Biotechnology is preferred) Desirable: Experience in the synthesis and characterization of carbon nanomaterials for energy and agricultural applications
4	Koteswararao V Rajulapati kvrse@uohyd.ac.in	1. High entropy alloys 2. Additive manufacturing 3. Nanostructured materials 4. Next generation superalloys 5. Advanced high strength steels	Ph.D in Metallurgical/Materials Engineering, Mechanical/Aerospace/Production/Industrial/Manufacturing Engineering.
5	Raj Kishora Dash rajkishoradash@uohyd.ac.in	1. Smart materials for sensors or energy harvesting devices, 2. Nanomaterials or Nanotechnology 3. Thin films for electronic applications	Ph.D. in one of the following Engineering/Technology disciplines; Mechanical, Materials, Nanotechnology, Chemical or in one of the following Science disciplines; Materials, Nanoscience, Physics and Chemistry
6	Swati Gosh Acharya sgase@uohyd.ac.in	1. E-waste Management 2. Remediation of heavy metal ion contamination of water	PhD in Materials Science/Materials Engineering/physics/chemistry
7	Venkata Girish Kotnur vgk@uohyd.ac.in	Max phase coatings by PVD	Ph.D. in one of the following Engineering/Technology disciplines; Mechanical, Materials, Metallurgical, Nano or in one of the following Science disciplines; Materials, Nano, Physics and Chemistry
8	K. Guruvidyathri, guruvidyathri@uohyd.ac.in	1. Design, synthesis and characterization of high-entropy alloys 2. DFT and Calphad studies on oxides	Ph.D. in one of the following Engineering/Technology disciplines; Mechanical, Materials, Metallurgical, Nano, Ceramic, Chemical, Industrial, Production, Manufacturing or in one of the following Science disciplines; Materials, Nano, Physics and Chemistry

Shortlisting of candidates would be based on:

1. Research record of the number of publications, the journal's impact factor, citations of the article, and the patents and books/book chapters.
2. The institution from which the degree is awarded: Center/institute of national importance or institute in the top 200 ranks worldwide will receive added weightage.

To know more about the school, please visit: https://enggtechnology.uohyd.ac.in/

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 PhD 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 PhD thesis and are awaiting for the award of the degree are eligible to apply upon submission of thesis submission certificate from the supervisor.
3. A candidate can choose more than one Mentor from the list given in the table and can give an order of preference among the suitable topics (NOT the PROPOSAL, PROPOSAL is ONLY on 1st PREFERENCE).
4. There is no guarantee that the first preference will be the chosen area of research, in that case the candidate should be willing to work in the other preference as mentioned in the application.
5. Applicants already in regular service are not eligible to apply.
6. Faculty members are NOT permitted to host/mentor students they have supervised or co-supervised for PhD. Applicants should take care of this while applying.
7. The upper age limit for the fellowship is 32 years (at the time of the submission of the 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.
8. The IoE-PDRF is a purely temporary assignment and is tenable for one year from the date of appointment.
9. Extension beyond the one-year tenure will be subject to the availability of funds (and extension of the IoE program) and performance review. There will be a rigorous assessment of yearly progress for the renewal of the fellowship, and it is NOT automatic.
10. 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) for the PhD holders and Rs. 35,000 per month for candidates who have submitted the thesis and are awaiting the award of the PhD degree.

RESEARCH GRANT: Rs. 1,00,000/ - per annum. 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 is NOT permitted.

The IoE-PDRFs 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, he/she must resign before accepting the IoE-PDRF at UoH.

Deadline for receiving the applications:
23/04/2023.

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.

(Dean, SEST, 09/04/2023)

IoE - PDRF APPLICATION FORM

School of Engineering Sciences and Technology

Please fill out the application form along with all required documents and submit it by email to: **appl_sest@uohyd.ac.in**, with the subject line IoE PDRF-2023. The filled-in application form, along with annexures, shall be converted into a single pdf file and sent by email to the contact email ID (**appl_sest@uohyd.ac.in**).

APPLICANT'S PERSONAL DETAILS	
NAME (First Name, Surname)	
GENDER	
DATE OF BIRTH AND AGE	
NATIONALITY / SOCIAL STATUS / CATEGORY	
PERMANENT ADDRESS	
ADDRESS FOR CORRESPONDENCE	

APPLICANT'S 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, PATENTS, BOOKS/CHAPTERS, IF ANY AND NAMES OF THREE REFEREES	**ATTACH AS ANNEXURE** (MENTION IMPACT FACTOR AND CITATIONS OF THE PUBLICATIONS AS ON THE DATE OF THIS ADVERTISEMNT) (ENCLOSE A MAXIMUM OF SELECTED 3 REPRINTS)
SUMMARY OF THE RESEARCH EXPERIENCE AND SKILL SETS	**ATTACH AS ANNEXURE**
APPLICANTS PROPOSED RESEARCH ACTIVITY	
RESEARCH PROPOSAL (FORMAT GIVEN IN THE ADVERTISMENT) ALIGNING WITH THE ADVERTISED RESEARCH TOPICS	**ATTACH AS ANNEXURE**
ORDER OF PREFERENCE IF APPLYING AGAINST MORE THAN ONE SUITABLE TOPIC.	

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: **Place, date**

Project Proposal Format (Maximum 10 pages with font: Times New Roman 12 and line spacing: 1.15)**:**

a) Title of the Research Proposal
b) Abstract (maximum 300 words).
c) Introduction
d) Origin of proposal

e) National and International status
f) Hypothesis/ Detailed Methodology
g) Expected outcome such as new inventions/discoveries, publishing quality papers/articles, book/book chapters, and others (200 words).
h) Previous Research experience highlighting achievements, if any.