

DATED: 24.05.2023

Advertisement No: R&D/719,724,762,766,817/EE/284

Applications are invited through the online form only for the following assignments in apurely time-bound research project undertaken in this institute. *Interviews will be conducted online.*

Date of Online Interview: 12th June 2023at 11AM. Last date of filling application form: 10th June 2023.

Interested and eligible persons may apply through the online form through the link given below.

Online Application Link: https://forms.gle/iMFGR4ygMnjxEZvH8

Serial Number : 01			5 7				
Name ofTheResearchProject			Ultra low Jitter, Low Spur and Low power Frequency Synthesizers for High SpeedData Converters, Wi-Fi 7, 5G and beyond Communication Systems				
Project Number as per IIT	Patna Record: 817						
Name of thetemporaryassign ment	Numberof Posts	Durationofth ePost	Nameofthesp onsoring Agency	Consolidated Fellowship	Contact Information		
Junior Research Fellow	One (01)	Initially for 1 year, may be extended for maximum 3 years or till the end of the project, whichever is earlier	Science and Engineering research Board (SERB)	Rs. 31000/ for the first two years followed by Rs. 35,000/- for the 3 rd year	Dr. Yatendra Kumar Singh, Department of Electrical Engineering,IITPatna, Email: yatendra@iitp.ac.in Tel.: 06115-233092.		
Qualifications&Exp erience	 For candidates with M.Tech./ME/MS qualifying degree in VLSI/Communication/Electronics/Electrical/Instrumentation: first class (minimum 60% marks or 6.50 CPI) in M.Tech./ME/MS with GATE/NET qualifications and first class (minimum 60% marks or 6 CPI) in B.Tech./BE, 12th and 10th class. For candidates with B. Tech./BE as a qualifying degree in the following selected discipline (Electronics/Electrical/Instrumentation), 70% marks or 7.50 CPI in B.Tech./BE from institutes other than IITs/IISc and 7.0 CPI B.Tech. from IITs and IISc with the first class (minimum 60% marks or 6.5 CPI) in 12th and 10th class. The age should not exceed 28 years for a candidate with BE/B.Tech degree as thehighest qualification and 32 years for candidate with ME/M.Tech/MS degree as thehighest qualification. Relaxations for SC/ST/OBC/women/PD will be given as per the GoI rules. Experience of CMOS circuit design and CAD tools like Cadence will be given preference 						



Serial Number : 02								
Name ofTheResearchProject		Integrated Photonic A	Integrated Photonic Artificial Neural Networks (INPATIENT)					
Project Number as per IIT Patna Record: 719								
Name of thetemporaryassign ment	Numberof Posts	Durationofth ePost	Nameofthespon soring Agency	ConsolidatedFell owship	Contac t Informa tion			
Junior Research Fellow	One (01)	Initially for 1 year, may be extended for maximum 3 years or till the end of the project, whichever is earlier	Department of Science and Technology, International Division, under India Italy Call for Significant Research Scheme		Dr. Sumanta Gupta, Dept. of Electrical Engineering, IIT Patna, Email: sumanta@iitp.ac .in Tel.: +91- 6115-233096			
Qualifications&Exp erience	 Candidates Electronics Bachelor's of Engg. or Ele or 75% of m Bachelor's of minimum Cl Master's de Preference processing. Candid communication, Mar 	and Communication Engineering degree in Electrical Engg., Electronics and Communication Enarks. degree in the areas mentione Pl of 7.0. gree in Science in a relevant are shall be given to the GATE/NE ates knowing the design, sin	e in Signal Processing & Conneg or relevant specialization, with ctrical and Electronics Engg., Engg or relevant branch (from and in point B from an Indian Interaction and English En	nmunication Networks, Commu a minimum CPI of 6.5 or 60% of lectronics Engg., Electronics and ny Institute other than IITs) with a stitute of Technology (IIT) in a 70%. Experience in the field of Commun n of integrated photonic devi	marks. d Telecommunication a minimum CPI of 8.0 relevant area with a nication Engg., Signal ces/systems, optical			



Name ofTheResearchProject		Channel State Information based Joint Localization and Activity Recognition using Deep Learning Methods				
Project Number as per IIT Name of thetemporaryassign ment	Patna Record: 762 Numberof Posts	Durationofth ePost Nameofthespon soring Agency ConsolidatedFell owship			Contac t Informa tion	
Junior Research Fellow	One (01)	Initially for 1 year, may be extended for maximum 3 years or till the end of the project, whichever is earlier	Department of Science and Technology (Govt. of India)	INR. 31,000/- + HRA	Dr. Sudhir Kumar, Dept. of Electrical Engg., IIT Patna, Email: sudhir@iitp.ac.in Tel.: 06115 233 025	
Qualifications&Exp erience	The candidate desir applying for the Jl Working/research e	ably should have M.E./ <mark>M.Tech.</mark> RF position shall be 32 year xperience in the fie <mark>ld</mark> of Signa	degree with a minimum CPI of S. Relaxations for SC/ST/O Processing, Communication I pply for PhD admission at IIT Pa	6.5 out of 10 or 60 % of marks BC/women/PD will be giver Networks and/or Machine/Dec	s. The upper age limit for as per the Gol rules.	



Serial Number : 04 Name ofTheResearchProject		_	Massive MIMO High Gain Beam Scanning Millimeter Wave Antenna Using Digital Metasurface with Controlled Bits for Fifth Generation (5G) Communication				
Project Number as per IIT Name of thetemporaryassign	Patna Record: 724 Numberof Posts	Durationofth ePost	Nameofthespon soring Agency	ConsolidatedFell owship	Contac t		
ment		2	- British		Informa tion		
Junior Research Fellow	One (01)	6 months	Science and Engineerin Research Board (SERB)	Rs. 31000/- per month plus 8% HRA as per Gol rules	Dr. Amit Kumar Singh, Dept. of Electrical Engineering, IIT Patna,		
			a les		Email: amitks@iitp.ac.in Tel.: 06115- 2338960		
Qualifications&Exp erience	Microwave have valid (> Work/resea and Softwa	Engineering, and similar) of GATE/NET score. The right records a second r	gineering/Technology (Relevant D from a recognized University, with a d of Microwave and Millimeter Wave e Studio, HFSS, ADS, and MATLAB chnology in a relevant discipline with	e Technology, Antenna and Micr will be given preference.	marks. Candidate must rowave measurements,		



Serial Number : 05 Name ofTheResearchProject		_	CCTV Storage Media Recovery and Enhancement Software: Al powered Cloud-capable Blockchain- based Digital Forensic Chain of Custody				
Project Number as per IIT Patn	a Record: 766						
Name of thetemporaryassign ment	Numberof Posts	Durationofth ePost	Nameofthespon soring Agency	ConsolidatedFell owship	Contac t Informa tion		
Senior Research Fellow (SRF)	One (01)	2 Years	Ministry of Home Affair Govt of India	Rs. 35000 permonth	Dr. Maheshkuma H Kolekar Department o Electrical Engineering,IITPa tna, Email: mahesh@iitp.ac.i n Tel.: 06115 233043.		
Qualifications&Exp erience		E/ECE/CSE/ any oth <mark>er r</mark> elate hon programming langua <mark>ge i</mark>					

General Terms and Conditions:

- > The selected candidate will be allowed to apply for PhD program of the EE department at IIT Patna following proper procedure.
- > Theshortlisted candidates willbeinformedaccordinglytoappearfortheonline interview. The incomplete application will not be considered.
- > OnlineInterview Link: Intimated via email to the shortlisted candidates