

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली  
हौज खास, नई दिल्ली -110016  
(औद्योगिक अनुसंधान एवं विकास इकाई)  
INDIAN INSTITUTE OF TECHNOLOGY DELHI  
Hauz Khas, New Delhi-110016  
(Industrial Research & Development Unit)

No. IITD/IRD/MI02436G/ 140603

Dated: 30/03/2023

Advertisement No.: IITD/IRD/070/2023

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

About the Project: Certified Compiler for Critical Computer Systems For mission-critical, safety-critical and security-critical software, it becomes necessary to validate that the executable code generated by an optimizing compiler is equivalent to its original source code. The project involves research and validation of a compiler validator that validates the end-to-end translation produced by an optimizing compiler. If you are interested in compiler design, please consider applying for the positions below. Senior Project Scientist will be responsible for leading the research and development of scalable and efficient algorithms for the validation of the output of an optimizing compiler against its input. Project Scientist will be responsible for research and development of scalable and efficient algorithms for the validation of the output of an optimizing compiler against its input. Senior Project Assistant will be responsible for contributing to the research and development of a translation validator and its algorithms.

Title of the Project	FIRE Grant: Certified Compiler for Critical Computer Systems (Fire scheme of IRD/FITT & IOE) (MI02436G)	
Funding Agency	Institute of Eminence Funds, Planning Unit, IIT Delhi	
Name of the Project Investigator	Prof. Sorav Bansal [email ID: sbansal@cse.iitd.ac.in]	
Deptt./Centre	Department of Computer Science & Engineering	
Duration of the Project	Upto: 31/10/2023	
Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Sr. Project Scientist (1)	Rs. 45,000-48,200-51,400-55,400-59,400-63,400/- p.m. plus HRA @ 24%	M. Tech. 1st class or equivalent in the appropriate discipline OR B. Tech. / M. Sc. 1st Class or equivalent with 3 years experience.
Project Scientist (1)	Rs. 35,400-37,900-40,400-43,600-46,800-50,000/- p.m. plus HRA @ 24%	B. Tech. (with GATE qualification) / M. Sc. (with NET/SET qualification) / M.C.A. (with GATE qualification) 1st class or equivalent in the appropriate discipline. The requirement of qualifying NET/SET/GATE* qualification may be relaxed by the Committee in case of highly meritorious candidates.
Sr. Project Assistant (Tech) (1)	Rs. 35,400-37,900-40,400-43,600-46,800-50,000/- p.m. plus HRA @ 24%	B. Tech. / B.E. / AMIE and equivalent OR Technical Diploma (3 years duration) / Graduate Degree in appropriate discipline with 5 years relevant work experience. In exceptional cases ITI (2 years duration) with 11 years of work experience in relevant field may also be considered.

The candidates who are interested to apply for the above post should download Form No. IRD/REC-4 from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. by e-mail with advertisement No. on the subject line to Prof. Sorav Bansal at email id: sbansal@cse.iitd.ac.in

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) alongwith the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof. Sorav Bansal at email id: sbansal@cse.iitd.ac.in 5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है। एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। The last date for submitting the completed applications by e-mail is 13/04/2023 by 5.00 p.m.

सहायक कुलसचिव, आईआरडी

#### वितरण

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- Webmaster, IRD :
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- Prof. Sorav Bansal, PI, Department of Computer Science & Engineering
- Copy to Chairperson, DRC/CRC