

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/RP03561G/191584

Dated: 16/12/2019

**Advertisement No.: IITD/IRD/250/2019**

Candidates of Indian nationality are invited to appear for the **Walk-in test / interview** for project appointments under the following project. Appointment shall be on contractual basis on consolidated pay renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत परियोजना की नियुक्तियों के लिए भारतीय राष्ट्रियता के उम्मीदवारों को वॉक-इन परीक्षा/साक्षात्कार के लिए उपस्थित होने के लिए आमंत्रित किया जाता है। अपॉइंटमेंट वार्षिक आधार पर या परियोजना की अवधि तक समेकित वेतन पर संविदात्मक जो भी पहले हो आधार पर होगा.

**Job description for positions in social media analytics platform project**

Correlating and jointly analyzing streams of multi-modal data from online social network, news, and other customized sources is increasingly important in various domains such as security, urban planning, marketing and many more. In this project we aim to build a scalable, extensible and customizable workbench which facilitates such analysis and result visualization.

We make use of latest technologies such as Spark and graph management systems for managing massive scale dynamic data, and build on recent research work in the areas of AI/ML, NLP and knowledge graphs, data mining and management.

Candidates should be skilled in one or more of the following relevant technologies:

- Spark/ Hadoop and distributed data processing
- Stream management through Kafka and Flink
- Data management systems such as MongoDB, ElasticSearch, Neo4J etc.
- AI/ML tools such as TensorFlow and Keras and their deployment over GPU clusters

Candidates should be conversant with recent trends in machine learning and / or natural language processing, and have the ability to evaluate and implement ideas from research papers with minimal supervision. Ideal candidates should have demonstrable skills – either in the form of having built large systems or having done projects.

Title of the Project	Social Media Analytics for Security (SMACS) (RP03561G)	
Funding Agency	National Security Council Secretariat	
Name of the Project Investigator	Prof. Kolin Paul	
Deptt./Centre	Department of Computer Science & Engineering	
Duration of the Project	Upto:27/06/2020	
Post (s)	Consolidated Pay-slab / Fellowship	Qualifications
Project Scientist (1)	Rs.35,400-37,900-40,400-43,600-46,800-50,000/- p.m. plus HRA @ 24%	1 <sup>st</sup> class M. Tech. in CS/EE OR 1 <sup>st</sup> class Postgraduate degree in Machine Learning/Data Analytics with excellent coding skills with GATE* qualification. The person should be able to implement high quality code and meet deadlines. *The requirement of qualifying GATE qualification may be relaxed by the Committee in case of highly meritorious candidates
Walk In Test / Date of Interview	Time of Interview	Venue
10/01/2020	02.30 p.m.	Committee Room No. 113, School of Information Technology, IIT DELHI, Hauz Khas, New Delhi-110016.

The candidates who fulfil the above qualifications/experience should appear for the interview. Kindly bring your formal application on Form No. IRD/REC-4, which can be downloaded from IRD Website (<http://ird.iitd.ac.in/rec>) through proper channel along with complete information regarding educational qualifications indicating percentage of marks of each examination passed, details of work experience and a recent passport size photograph, along with original certificates (both academic & professional) for verification on the date of interview. No candidate, who is already employed at the Institute / IRD shall be interviewed unless his/her application has been duly forwarded by their concerned establishment/sections. 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।

In case any clarification is required on eligibility regarding the above post, the candidate **may contact Prof. Kolin Paul at email id: [kolin@cse.iitd.ac.in](mailto:kolin@cse.iitd.ac.in)**

सहायक कुलसचिव, आईआरडी

**वितरण**

- Head of the Deptt./Centres/Units : It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit
- Webmaster, IRD : To put advertisement at IITD website.
- Notice Boards
- Advertisement file
- Prof. Kolin Paul, PI, Department of Computer Science & Engg.
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing