

## Vacant Research Positions

### Dept. of Computer and Information Sciences (DCIS)

Applications are invited against following positions as part of the project: “**Traffic Congestion Prediction and Visualization Platform**”, funded by Technology Development Fund (TDF), Higher Education Commission (HEC) Pakistan. Applicants must explain in the cover letter how they are suitable for the position. Applications containing a cover letter and copies of NIC, relevant degrees/certificates must reach at **DCIS office, B Block, Pakistan Inst. Of Eng. and Applied Sciences (PIEAS) before Dec 14, 2018.**

Name of the Position and Remuneration	Number	Requirements	Job Description	Duration
<b>PhD Computer Science</b> @ Rs 20000 Per Month	01	<ul style="list-style-type: none"> <li>• MS Computer Science</li> <li>• AI related courses during MS degree such as Neural Networks, Machine Learning, Data Mining etc. are highly preferred</li> <li>• Selected candidate will be required to register in PhD program at DCIS, PIEAS. Already registered PhD students may also apply.</li> <li>• Any experience/ study project in Traffic Congestion Prediction is highly preferred</li> </ul>	PhD candidate will carry out research to develop Neuro-Fuzzy/DNN models and algorithms for traffic congestion prediction based on data fused from multiple sources including mobile app, vehicle trackers, Google and other historical data repositories.	02 years
<b>Internship</b> @ Rs 15000 Per Month	02	<ul style="list-style-type: none"> <li>• Preferably BS/MS students at PIEAS about to start (or already pursuing) their FYP in similar domain. However graduates may also apply.</li> <li>• Must have studied Internet of Things course at BS level.</li> <li>• Experience with vehicle tracking system is highly preferred</li> </ul>	Successful candidates will design and implement vehicle tracking system using IoT sensors based on Arduino and Raspberry Pi boards. The interns will use data fusion tools to integrate traffic data obtained from various heterogeneous sources.	01 year initially extendable to one more year.

**Convener, Selection Committee  
TDF Studentships, DCIS, PIEAS**