PhD and MS by research positions are available in the area of Networked Control Systems and Traffic Scheduling in the Department of Instrumentation & Control Engineering at the National Institute of Technology, Tiruchirappalli (NIT – T).

The research will be (i) to develop provably correct algorithms to automatically schedule the movements of vehicles, and (ii) to develop a hybrid time-slot-based architecture that provides a proof of safety and liveness of the overall scheme.

Applications are sought for the 4-year full-time PhD positions and 2-year full-time MS positions with attractive scholarship and travel grant, fully funded by ITRA.

The candidates must possess a proven consistent academic record throughout.

- For PhD positions: M.Tech. / M.S. in Control Systems/Instrumentation & Control/Computer Science/Industrial Automation from a reputed university
- For MS positions: B.Tech. in Instrumentation (E&I/ICE)/ECE/CSE from a reputed university; the candidates must possess a valid GATE score

Proficiency Expected, in addition to the above eligibility criteria:
- Good knowledge of Linear Algebra, Graph Theory, and Optimization.
- Programming skills

Interested candidates can contact: Dr. Ramakalyan Ayyagari via rkalyn@nitt.edu

Candidates should send their formal application to NIT Trichy. More details available at [http://www.nitt.edu/home/admissions/phd/MS-PhD-Jan2016-v2.pdf](http://www.nitt.edu/home/admissions/phd/MS-PhD-Jan2016-v2.pdf)

Specific Instructions:
1. Please refer to the section “D. HOW TO APPLY?” on page 7 of the brochure.
2. In the Application form (page 9), fill-in “ICE” for the department, and “ITRA Project on Traffic Scheduling” in the area of research.
3. Super-scribe the application (filled-in all details) with “Application for Ph.D. in the area of Traffic Scheduling” and send to ‘The Chairperson (Admissions) Office of the Dean (Academic), National Institute of Technology, Tiruchirappalli – 620 015, Tamil Nadu’ on or before 28-12-2015.
4. Short-listed (based on the above mentioned preferred qualifications for the project) applicants shall be invited for a written test, tentatively on January 19, 2016. (Separate written tests for MS and PhD)
5. Based on the performance in the written test, applicants would be further short-listed for a personal interview.
6. Selected candidates are expected to join immediately.
7. Once the candidate joins, he/she is further bound by the rules and regulations applicable to all full-time research scholars & MS Scholars of the National Institute of Technology Tiruchirappalli.

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