

**ITRA Funded Full-Time PhD & MS Positions with  
Dr. Ramakalyan Ayyagari, ICE Department**

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](mailto: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>**

**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 **11-12-2015**.
4. Short-listed (based on the above mentioned preferred qualifications for the project) applicants shall be invited for a written test, tentatively on January 7, 2015. (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.