

**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

Interested candidates should formally apply online through:

<http://admission.nitt.edu/home>.

More details available at:

<http://www.nitt.edu/home/admissions/phd/MS-PhD-July2016.pdf>

Specific Instructions:

1. In the Application form fill-in “ICE” for the department, and “ITRA Project on Traffic Scheduling” in the area of research.
2. Short-listed (based on the above mentioned preferred qualifications for the project) applicants shall be invited for a written test, tentatively on June 27, 2016. (Separate written tests for MS and PhD)
3. Based on the performance in the written test, applicants would be further short-listed for a personal interview.
4. Selected candidates are expected to join immediately.
5. 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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