

REGISTRATION FORM

SHORT TERM COURSE
ON
COMPUTER ARCHITECTURE
06th – 10th July 2015

1 Name:

.....

(Capital Letters)

2. Designation:

3. Specialization:

4. Department:

5. Institute:

6. Mailing Address:

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Phone:

e-mail:

7. Accommodation required: YES/ NO

8. Arrival Date:

9. Departure Date:

10. Demand Draft Details:

DD No. Dated:/...../.....

forRs. 5000/- on Bank

Signature of the applicant with date

SHORT TERM COURSE
ON
COMPUTER ARCHITECTURE

06th – 10th July 2015

Coordinators

Dr. Ashok Kumar Turuk

Dr. BibhudattaSahoo

Organized by



Department of Computer Science and Engineering
NATIONAL INSTITUTE OF TECHNOLOGY,
ROURKELA-769008, ODISHA

www.nitrkl.ac.in

About The Course:

The objective of the course is to learn the fundamental aspects of computer architecture design and analysis. This course is designed for the faculties who are offering or intend to offer Computer Architecture as a subject in their MTech program in Computer Science/Computer Engineering. The course is also beneficial for the students who are pursuing MTech program in Computer Science/Computer Engineering. Solving numerical problem associated with computer architecture is a relatively difficult task. This course will emphasize more on solving computer architecture related numerical problems.

Course Content:

Quantitative principle of computer design:
Ahmdalh's law

Pipeline concept, pipeline hazards, technique's to overcome hazards.

Instruction level parallelism, Dynamic scheduling, out-of-order execution, hardware-based speculation, multithreading.

Thread level parallelism, the performance of symmetric shared-memory multiprocessor, memory consistency model, data level parallelism. Memory hierarchy design, cache performance, techniques to enhance cache performance.

VENUE: Department of Computer Science and Engineering, NIT Rourkela



About NIT Rourkela:

National Institute of Technology, (NIT) Rourkela was founded in 1961. It is a prestigious Institute with a reputation for excellence at both undergraduate and postgraduate level, fostering the spirit of national integration among the students. Also, the institute gives strong emphasis on research and innovations of new products. The city of Rourkela is a bustling industrial town, cosmopolitan by nature and is well connected to all parts of the country by road and rail. It is en-route Howrah-Mumbai main line of south-eastern railway. NIT campus is approximately 8 KM from Rourkela railway station. The nearest airports are Ranchi, Kolkata, and Bhubaneswar, which are well connected by trains.

Registration:

Applications in the prescribe format and the registration fee Rs. 5000/- in the form of a DD, drawn in favor of “**Continuing Education, NIT ROURKELA**” payable at **SBI, REC Campus Branch, Rourkela-769008 (Branch code- 2109)** must reach the coordinator on or before **June 15, 2015**. Registration fee includes accommodation, lunch, dinner, etc. No *TA will be provided*.

CORRESPONDENCE

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