



About National Education Foundation (NEF)

Dedicated to the cause of imparting quality education, the NATIONAL EDUCATION FOUNDATION (NEF) was established in the year 2001, in Bangalore, the IT capital of India. The primary focus of the Foundation is to cater to students of all strata across the country, starting from Primary to Post Graduate Education in all disciplines.

About Global Academy of Technology (GAT)

The institution started functioning in 2001 with the objective of promoting academic excellence and competence in students, especially in the fast-growing global domain of Engineering Technology and Management. This renowned college is managed under the National Education Foundation, a trust dedicated to the cause of imparting quality education. Located in the picturesquely beautiful Rajarajeshwari Nagar, Bengaluru, Karnataka, the college stands out for its magnificent buildings and ultra-modern infrastructure; a fascinating blend of architectural excellence and functional values.

Institute Vision:

Become a premier institution imparting quality education in engineering and management to meet the changing needs of society.

Institute Mission:

- Create environment conducive for continuous learning through quality teaching and learning processes supported by modern infrastructure.
- Promote Research and Innovation through collaboration with industries.
- Inculcate ethical values and environmental consciousness through holistic education programs.

Department of Computer Science & Engineering

Revolution in the fields of Computing and Technology is changing in our world and hence the society at a rapid pace. Today, Computer Science and Engineering (CSE) combines the intellectual challenge of a young discipline to both industry and academics. Our aim is to equip CSE graduates with all the KSAs – Knowledge, Skills and Attitude much needed for the successful career, shaping the future. The courses offered in focus areas provide a firm grounding in the fundamental concepts in addition to grinding KSAs. The department provides a lively and supportive learning environment for students making it interesting.

About Workshop

With the growing demand of electronic devices, efficient conservation of energy has become the major concern. In a computing system, design, development and compilation has significant impact on conservation of energy. While it is difficult to control the impact of conservation of energy at hardware level, Green computation and in turn, Green Compilers are safest bet in controlling conservation of energy at software level. Controlled use of resources is achieved by the optimization of compiler and scheduling approach.

The workshop is designed to address the open issues related to Green Compilers and at the same time developing programs using LEX and YACC tools while understanding the working of compilers.

Workshop is designed based on the new syllabus framed for the subjects, System Software and Compiler Design theory, as well as System Software and Operating Systems laboratory (CBCS scheme of 6th Semester CSE, VTU).

Objective of the Workshop

The objective of the workshop is to introduce the faculty to LEX and YACC tools, different parsers used in Compilers. Discussions on evaluation of different algorithms required for management, Scheduling, allocation and communication used in Operating System from the theory and Laboratory syllabus will be covered in the workshop.

Course Material

Soft copy of course material will be provided to all the delegates along with the certificate of participation.

Target Audience

Faculty members of Department of CSE and ISE can register for the Workshop. Maximum number of participants is limited to 40 on first come first serve basis.

Topics

The workshop focuses on the System Software and Compiler Design course [15CS63] and also System Software and Operating Systems Lab [15CSL67] prescribed by VTU for CBCS Scheme of 6th semester, CSE

- ❖ Advanced topics in assemblers and Compilers covering System Software and Compiler Design
- ❖ Programming using LEX and YACC tool.
- ❖ Research Insight in the field of *Compiler Optimization and green programming.*
- ❖ Hands-on sessions covering Lab programs on SS & OS

Resource Persons

- ❑ **Dr. Y. N. Srikant**
Professor, Indian Institute of Science, Bengaluru.
Key note: *“Green Software Development - Energy Aware Compilers and Green Programming”*
- ❑ **Dr. Ch. Sudhakar**
Associate Professor,
Department of Computer Science & Engineering, National Institute of Technology, Warangal
- ❑ **Dr. U. S. N. Raju**
Associate Professor,
Department of Computer Science & Engineering, National Institute of Technology, Warangal
- ❑ **Prof. A. M. Padma Reddy**
Dean, Student Affairs & Professor,
Sai Vidya Institute of Technology, Bengaluru

Registration Fee: ₹ 1500/-

Registrations are limited to first 40 participants. Send the filled Registration form to Program Co-ordinators.

Important Dates:

Last date for Registration: **10th January 2018**

Venue:

Seminar Hall, Global Academy of Technology, Bengaluru – 560098.

GLOBAL ACADEMY OF TECHNOLOGY

Bengaluru - 560 098

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Three Days Workshop on “SS & CD / OS (Course & Lab)”

17th - 19th January 2018

REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

Institute/Organization: _____

Address: _____

Mobile No.: _____

Email: _____

Demand Draft Details:

DD No. : _____

Date : _____

Amount: _____

DD to be drawn in favour of “M/S GAT DEPARTMENT OF CSE”, payable at Bengaluru.

Signature of Candidate

Signature of the
Head of Institution / Organization
with seal

Chief Patron

Sri. D. K. Shivakumar, Chairman, NEF

Patrons

Sri. S. Lepaksha, Secretary, NEF

Sri. Venkatappa, Additional Secretary, NEF

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Ms. Aishwarya D. K. S., Secretary, NEF (Schools)

Chairperson

Dr. N. Ranapratap Reddy, Principal, GAT

Organizing Chair

Dr. Kavitha C., HOD, Dept. of CSE, GAT

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Professor, Dept. of CSE, GAT

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Gp Capt. R. N. Prasad, Associate Professor, Dept. of CSE, GAT

Prof. Kumaraswamy S., Associate Professor, Dept. of CSE, GAT

Prof. Paramesh R., Associate Professor, Dept. of CSE, GAT

Department of Computer Science & Engineering
GLOBAL ACADEMY OF TECHNOLOGY

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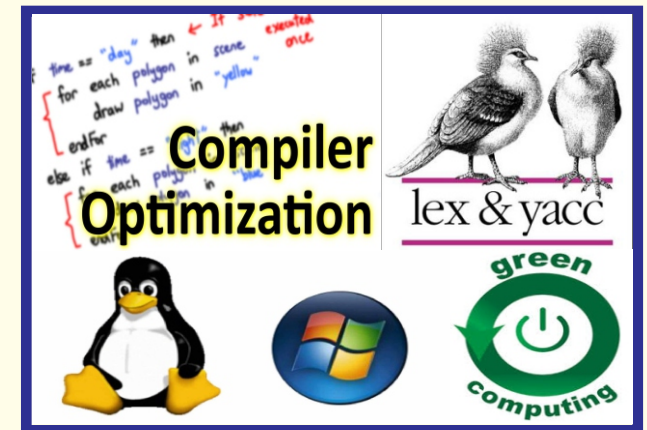
Website: www.gat.ac.in Email Id.: hodcse@gat.ac.in

THREE DAYS WORKSHOP ON

“System Software and Compiler Design / Operating Systems Laboratory”

(15CS63 & 15CSL67)

17th - 19th January 2018



Organized by



Department of Computer Science & Engineering

GLOBAL ACADEMY OF TECHNOLOGY

Ideal Homes Township, Rajarajeshwari Nagar,
Bengaluru-560 098, Karnataka, India

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