APPLICATION FORM
AICTE-AU Short Term Training Program on Compiler Design 19th Jan to 25th Jan 2022

1. Name:
2. Date of Birth:
3. Designation:
4. Institution:
5. Address for Communication:
   E-mail address:
6. Phone no. (with STD code)
   Office:
   Residential:
   Mobile phone:
7. Educational Qualifications:
8. Subjects taught in the last one year:
9. Are you going to teach Compiler Design: Yes/No
10. Professional Experience (in years)
    Teaching:
    Industrial:
    Date:
    Place:

Signature of the Applicant

Forwarded by the Head of the Institution Dr./Prof./Mr./Mrs.

is an employee of our institution. He/She will be permitted to attend the programme if selected.

Date Signature of Head of the Institution with seal

INSTITUTE
Anna University, Chennai is a leading technical University in India located at Chennai, Tamil Nadu. Department of Information Science & Technology (IST), & Division of MCA under IST were carved out of Department of Computer Science and Engineering in May 2010. The Department functions under the Faculty of Information and Communication Engineering. Dr. Saswati Mukherjee, is currently the Head of the Department. IST functions as one of the University Departments having academic autonomy of having its own syllabus and curriculum. It offers Undergraduate, Postgraduate and Research programmes in various disciplines of Information Technology, Multimedia & MCA Degree Programmes.

PROGRAM CERTIFICATES
Participation certificates will be issued to the candidates who attend the program in full, by the Center for Faculty Development, Anna University, Chennai-25.

MAILING ADDRESS
The Co-ordinator(s),
STTP on Compiler Design,
Department of Information Science and Technology, Anna University, Guindy, Chennai - 600025.
Tamil Nadu, INDIA.
Phone: 044 – 22358837, 22358814
E-mail: sttp.cd@gmail.com

AICTE-AU
Short Term Training Program (STTP) on
COMPILER DESIGN
19th January – 25th January, 2022

BROCHURE
Co-ordinators
Dr. M. Vijayalakshmi
Dr. Abirami Murugappan

Sponsored by
Center for Faculty Development,
Anna University, Chennai-25.

Organized by
DEPARTMENT OF
INFORMATION SCIENCE AND TECHNOLOGY,
CEG CAMPUS, ANNA UNIVERSITY,
CHENNAI- 600 025.
A compiler is a special program that processes statements written in a particular programming language and turns them into machine language or "code" that a computer's processor uses. Study of Compilers benefit tremendously from careful analysis of a problem and from tools for performing that analysis. Study of Compilers enable the programmers to design and implement their own domain specific language. It gives a good feeling for how larger programs can be broken down and solved in a manner that is not adhoc. Important topics to be covered in Compiler Design through this STTP is specified below:

- Structure of Compilers
- Role of Lexical Analysis
- Finite Automata
- Regular Expressions to Automata
- Context Free Grammars
- Parsing, Top down and Bottom up parsers
- Syntax Directed Translation
- Type Checking
- Run Time Environment and Code Generation
- Code Optimization
- Data Flow Analysis
- Compiler Construction Tools

**OBJECTIVES**

This AICTE-AU Short Term Training Program is intended to provide opportunity for teachers employed in AICTE approved Institutions for teaching and upgrading their knowledge in the area of Compiler Engineering. This program will be useful for those who are involved in teaching Compiler Design at U.G/P.G level. This will also provide a basic platform for a faculty who are willing to carry out research in Theoretical Computer Science. The fundamental concepts of these mechanisms will be introduced. However, our main focus will be on Compiler Design based on the B.Tech(IT) syllabus of Anna University.

**Speakers**
Senior faculty of CEG and from central universities.

**Eligibility**
Faculty of IT, CSE, and MCA departments, who have some basic knowledge in IT can apply. Young faculty members from affiliated engineering colleges coming under the purview of Anna University, Chennai will be given preference.

**Registration**
Free for the participants. Registration is limited to 100 participants. Selection is based on early registration policy. No TA/DA will be paid.

**ORGANIZING COMMITTEE**

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<tr>
<th>CHIEF PATRON</th>
<th>Dr. R. Veiraj</th>
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<td>Vice - Chancellor, Anna University,</td>
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<td>PATRONS</td>
<td>Dr. G. Ravikumar</td>
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<td>Registrar I/C, Anna University,</td>
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<td>Dr. L. Suganthi</td>
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<td>Dean - CEG Campus, Anna University,</td>
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| CHAIR                 | Dr. P. Vanaja Ranjan                 |
|                       | Director – CFD, AU.                  |
|                       | Dr. V. Adilakalam                    |
|                       | Addl. Director – CFD, AU.            |

| CO - CHAIR            | Dr. Saswati Mukherjee                |
|                       | Professor & Head                    |
|                       | Department of IST, CEG Campus.      |

| COORDINATORS          | Dr. M. Vijayalakshmi                |
|                       | Associate Professor,                |
|                       | Department of IST, CEG Campus.      |
|                       | Dr. Abirami Murugappan              |
|                       | Assistant Professor,                |
|                       | Department of IST, CEG Campus.      |

**VENUE**

(Online Mode)

(Links will be provided)

**IMPORTANT DATES**

Last date for registration: **10th January 2022** (by post / e-mail)

Confirmation of selection: **13th January 2022** (by e-mail only)