

**e-Short Term Training Programme on
FORMAL LANGUAGES AND AUTOMATA THEORY**

December 14th - 19th, 2020

REGISTRATION FORM

Name _____

Gender _____

Designation _____

Qualification _____

Organization / Institution _____

Contact Address _____

Pin Code _____

Mobile No _____

E-mail _____

Date:

Place: **Signature of the Participant**

REGISTRATION FEES : Free!

E-Certificate : E-certificates will be sent to the participants by email.

REGISTRATION LINK :

<https://tinyurl.com/y5e7xm44>



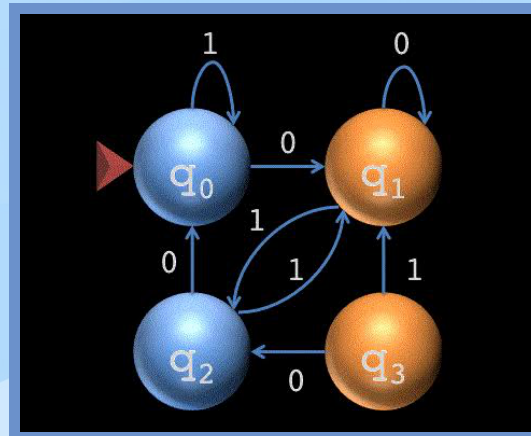
SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

e-Short Term Training Programme on

**FORMAL LANGUAGES AND
AUTOMATA THEORY**

December 14th - 19th, 2020



Organized by

**DEPARTMENT OF MATHEMATICS
College of Engineering & Technology
Faculty of Engineering and Technology
SRM Institute of Science and Technology
Kattankulathur - 603 203, Tamil Nadu, India**

In association with



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ABOUT THE SRM IST

SRM Institute of Science and Technology is one of the top ranking Universities and most premier engineering destinations in India. It was established in 1985 by the Founder Chancellor Dr. T.R. Paarivendhar. SRM IST is functioning in four campuses located at Kattankulathur, Vadapalani and Ramapuram in Tamilnadu and Modi Nagar in Ghaziabad with over 50,000 students and 3,020 faculty members. SRM IST offers a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Law and Science & Humanities.

The Institution has grown up through international alliances and collaborative initiatives to achieve global excellence. Over 200 students are sponsored for 35 foreign Universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles as the preferred human resource, for its vision to be as a world - class learning institution. SRM IST has been categorized as grade A University by Ministry of Human Resource Development Government of India. SRM IST is accredited by NAAC with highest A++ Grade in the year 2018.

ABOUT THE DEPARTMENT

The Department of Mathematics, College of Engineering and Technology, Faculty of Engineering and Technology, SRMIST was established in the year 1985, consists of highly qualified 81 faculty members which includes 58 Doctorates. There are 101 Research Scholars (65 Full Time / 31 Part Time Internal / 5 Part time external). It offers Under Graduate and Post Graduate courses and Ph.D Programmes in Mathematics and handles all the Mathematics courses in Engineering, Medical Sciences and Management. To meet the requirement of these courses the department has set up a modern computer lab with all latest softwares.

The faculty members of the department are actively engaged in research and development activities. The specific areas of research are Stochastic Processes, Fuzzy Set Theory, Non-Archimedean Analysis, Fluid Dynamics, Graph Theory, Queueing Models, Formal Languages and Automata Theory, Numerical Analysis and Mathematical Biology. The

department strives to provide excellent teaching, encourage interdisciplinary research and service to students and teaching community in the application of Mathematics to other disciplines. The department conducts Short Term Training Programme (STTP) and National Conference on Mathematical Techniques and Applications (NCMTA) every year to encourage young researchers. Also the "Sri Ramanujan Mathematics Club" was founded in the year 1991, through which an Intra Mathematics Festival (IMF) and Engineering Mathematics Festival (EMF) are conducted every year to motivate the students to sharpen their analytical skills. The details of the department could be availed using the follow-ing universal resource link

<https://www.srmist.edu.in/engineering/school-of-basic-sciences/department-of-mathematics>

TRAINING PROGRAMME THEME

The main aim of this e-Short Term Training Programme-2020 is to bring together the experts and the young researchers and provide a platform for discussion of recent advances in the relevant research areas of Formal Language and Automata Theory.

Formal Language and Automata theory presents the theoretical aspects of computer science. Automata Theory is the study of abstract computing devices or "machines". Finite automata are a useful model for many important kinds of hardware and software. Some of the most important kinds are :

- **Software for designing and checking the behaviour of digital circuits.**
- **The "lexical analyser " of a typical compiler that is the compiler component that breaks the input text into logical units such as identifiers, keywords and punctuation.**
- **Software for scanning large bodies of text such as collections of webpage to find occurrences of words, phrases (or) other patterns.**
- **Software for verifying systems of all types that have a finite number of distinct states such as communications protocols or protocols for secure exchange of information.**

RESOURCE PERSON

Sessions will be handled by experts from reputed organizations.

TARGET PARTICIPANTS

- **Faculty members of Arts and Science College / Engineering Colleges / Universities.**
- **Research scholars, UG & PG Students pursuing research / project work.**
- **Industry personnel.**

MODE OF STTP :

All the sessions will be conducted in online mode.

ADDRESS FOR COMMUNICATION

All correspondence may be sent to Convenor (or) Coordinators.

Email : esttp.2021@srmist.edu.in

CONVENOR

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COORDINATORS

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IMPORTANT DATES

Last date for Registration : 10th December, 2020

Training Programme Dates : December 14th - 19th, 2020

Website : <https://www.srmist.edu.in/events/e-sttpp-formal-languages-and-automata-theory>