The Mathematics Association conducted a webinar on the topic “Designing Finite State Automata” in Google Meet Platform. The resource person was Dr. T. Rajaretnam, Head and Associate Professor, PG & Research Department of Mathematics, St. Joseph’s College (Autonomous), Tiruchirappalli.

The webinar commenced by invoking the presence of God Almighty through prayer by Ms. R. Aishwarya, Assistant Professor, Department of Mathematics, Holy Cross College (Autonomous), Tiruchirappalli. Dr. W. Ritha, Head and Assistant Professor, Department of Mathematics, Holy Cross College (Autonomous), Tiruchirappalli welcomed the Resource Person and the gathering.

The lecture delivered by the resource person mainly focused on designing finite automata. He gave detailed explanation on string concatenation, transition diagram and regular expressions. He further discussed the classification of Automata such as Deterministic Finite State Automation (DFA) and Non-Deterministic Finite State Automation (NFA) with an appropriate illustrations.

At the end of the lecture session, the resource person clarified the queries raised by the participants.

Ms. A. Saranya, Assistant Professor, Department of Mathematics, Holy Cross College (Autonomous), Tiruchirappalli delivered the Vote of thanks and the webinar ended successfully.
DESIGNING FINITE STATE AUTOMATA

Presided by
Rev. Dr. N. A. Christina Rujhet Principal
Holy Cross College (Autonomous)
Tiruchirappalli-620 002

President
Dr. T. Rajarethum
Head and Associate Professor
PG & Research Department of Mathematics
St. Joseph’s College (Autonomous)
Tiruchirappalli-620 002

Organised by
Dr. W. Ritha
Head and Assistant Professor
PG & Research Department of Mathematics
Holy Cross College (Autonomous)
Tiruchirappalli-620 002

Date: 01.08.2020
Time: 10.00 a.m to 11.30 a.m

No Registration Fee & E-Certificate will be provided.
2. Construct DFA that accepts

\[ \{ w \mid w \text{ is a string of } \{a, b, c, d\} \text{ such that } |w| \leq 3 \} \]

You 2 mins
Dear Participants, You can post your queries in chat box.

Chitra Kannan 2 mins
At what criteria we are forming strings

Ankur anuraag Saurav Now
What is the rule of draw the transaction diagram?
Is States be infinite?

Send a message to everyone here