

## PROGRAMME SCHEDULE

Registration	: 08:30 a.m. - 09:30 a.m.
Inauguration	: 09:30 a.m. - 10:00 a.m.
Quiz prelims	: 10:15 a.m.
Connection prelims	: 10:15 a.m.
Math Tattoo	: 10:15 a.m.
Math Sketching	: 10:15 a.m.
Paper presentation	: 10:15 a.m.
Math Modelling (assembling)	: 10:15 a.m.
Break	: 11:15 a.m. - 11:30 a.m.
Math Modelling (display)	: 11:30 a.m.
Connection mains	: 11:30 a.m.
Lunch break	: 12:30 p.m. - 01:30 p.m.
Quiz mains	: 01:45 p.m.
Break	: 02:45 p.m. - 03:00 p.m.
Valediction	: 03:00 p.m. - 03:45 p.m.

Registration link:

<https://forms.gle/pXcWVeVYjhCNNZJU9>

Registration Code:



## GENERAL INSTRUCTIONS

- Registration fee for each participant is Rs. 150/- only.
- Students must bring their college ID card.
- One staff may be deputed to accompany the participants.
- The decision of the judges will be final.
- Lunch and refreshments will be provided.
- Certificates will be given to all the participants.
- Any number of teams from the college may participate.
- Overall Winner and Runner prizes will be decided by the cumulative marks scored by the single team.
- Online Registration is compulsory.
- Decorum should be followed.

DR. M. THIAGARAJAN,

Head of the Department, Mathematics.

## CONTACTS

Dr. Geetha Sivaraman, (President - Mathematics Association).

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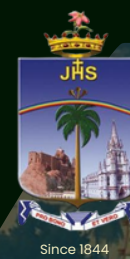
Mr. V. Vishnu, (Student Secretary)

☎ : +91 93857 91183

Miss. M. Anitha, (Student Joint Secretary)

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$$y = mx$$
$$Ax = By + C = 0$$



$$V = \frac{\pi r^2 h}{3}$$
$$\delta = \pi r \sqrt{r^2 + h^2}$$

## DEPARTMENT OF MATHEMATICS

St. Joseph's College (Autonomous),

Special Heritage Status Awarded by UGC,  
Accredited at A++ Grade (4th Cycle) by NAAC  
College with Potential for Excellence by UGC,  
DBT-STAR & DST-FIST Sponsored College.

Tiruchirappalli 620002

# MATHEMATICS OLYMPIAD 2025



Venue : Jubilee Hall

Date : 18<sup>th</sup> February 2025

Time : 08:30 a.m.

$$m = \frac{f(x_2) - f(x_1)}{x_2 - x_1}$$

$$\sin(\theta) = \frac{\text{opp}}{\text{hyp}}$$

## ABOUT THE DEPARTMENT

The Department of Mathematics is one of the oldest and premiere Departments of the college from its inception in 1844 and has a lion's share in the prominence and the progress of this great educational institution. In 1911, the University of Madras granted permission to run the Honours course in Mathematics. From 1960 onwards, the Department offers M.Sc. in Mathematics and in 1976 the Department became a full fledged Research Department offering Ph.D programme.

## ABOUT MATHEMATICS OLYMPIAD

The Mathematics Olympiad is a state level Intercollegiate competition conducted every year by the Department of Mathematics. The purpose of this event is to exhibit mathematical talents among students of Mathematics at the UG and PG level from various Institutions across the state. In order to commemorate the 181th year of academic journey of our institution, the Mathematics Association has added exciting and brain squeezing events in the Maths Olympiad this year.

## EVENTS

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

## QUIZ

- ▶ Two participants per team.
- ▶ Topics for preparation : Pure and Applied Mathematics.
- ▶ Preliminary will be conducted.



## CONNECTION

- ▶ Two participants per team.
- ▶ Mathematical terms, symbols, naming theorems & their statements, Mathematician names will be asked.
- ▶ Combination of bilingual language.
- ▶ Preliminary will be conducted.



## PAPER PRESENTATION

- ▶ Two participants per team.
- ▶ Soft copy should be submitted at the time of registration.
- ▶ Topic: Pure or Applied Mathematics and it's Applications
- ▶ Duration: 4 minutes.



## MATH MODELLING

- ▶ Two participants per team.
- ▶ Models should depict any Mathematical idea or an application.
- ▶ You should bring the necessary things and prepare the model.
- ▶ Duration: 1 hour.



## MATH SKETCHING

- ▶ Two participants per team.
- ▶ Preliminary will be conducted.
- ▶ Rules will be given on the spot.



## EVENTS

$$m = \frac{f(x_2) - f(x_1)}{x_2 - x_1}$$

## MATH TATTOO

- ▶ One participant per team.
- ▶ Preliminary will be conducted.
- ▶ Rules will be given on the spot.
- ▶ Duration: 1 hour.



## Inaugural Felicitation by

REV. DR. S. MARIADOSS SJ,  
Principal, St. Joseph's College (Autonomous),  
Tiruchirappalli 02.

## Valedictory by

DR. P. RAJENDRAN,  
Deputy Principal, St. Joseph's College (Autonomous),  
Tiruchirappalli 02.

