

**Association of Mathematics – Shift-II**  
**Holy Cross College (Autonomous)**  
Nationally Accredited with A++ Grade (Cycle IV) by NAAC  
College with Potential for Excellence  
**Tiruchirappalli – 02**

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**Annual Report 2019-2020**

The inauguration of Mathematics Association – Shift-II was held on July 4, 2019. Dr. N. Ramanujam, Director, Academic Affairs, Srimad Andavan Arts and Science College, Tiruchirappalli was the resource person; the guest lecture was under the title “An Introduction to Mathematics and its Applications”. The gathering was initially welcomed by Ms. A. Jennie Sebasty Pritha, Assistant Professor of Mathematics, Holy Cross College, Tiruchirappalli . The lecture primarily focused upon the utilities of Mathematics as life style and also throws some light upon new education policy. The session came to an end with the vote of thank proposed by Ms .C. Allfe Janet, Student Vice-President.

In order to enhance the emotional intelligence of the students, a special lecture on “Emotional Disclosure” was organised by the Association of Mathematics – Shift-II on July 10, 2019. Dr. John Balaiah, Counseling Psychologist and Students’ Counselor, St. Joseph’s College (Autonomous), Tiruchirappalli was the resource person. The core concept discussed at the programme was finding infinitely nice about everything and not finding infinitely negative about everything, in addition to that a few notes on Intellectual Quotient (IQ) and Emotional Quotient (EQ) were also instigated. The welcome address was offered by Ms. Irudaya Monica Catherine, Assistant Professor of Mathematics and Ms. K. Joe Reyashna, Student Secretary proposed the vote of thanks.

Communication skills function as a major factor of employability. In order to nurture the students with the skills a one day seminar was organised titled “Cognitive and Communication Skills for Life. The seminar was formed into three technical sessions. The first session was handled by Dr. A. Srinivasan, Former Associate Professor, PG and Research Department of Mathematics Bishop Heber College (Autonomous), Tiruchirappalli on the theme ‘INTRICACIES IN MATHEMATICS’. The functional cognitive skills with graphical representations were the highlights of the session. The second session was with the theme ‘Women’s Health’. Dr. Arularasi, M.B.B.S., D.G.O., CSI Mission hospital, Woraiyur, Trichy was the resource person, she elaborated on life and importance of health and eating habits in life. The third session was under the theme ‘Professional Communication’.

Dr. Edwin Christy, Assistant Professor of English, St. Joseph's College (Autonomous), was the speaker of the session. The session highlighted the process of reaching solution for the problem in challenging work environment. The talk was also eyeing over the importance of education, job, identity, authority and power and security for the ensuing generations.

The definitive requirement and thirst for education to land up over suitable job. Keeping this in mind a guest lecture was conducted on "Skills for Employment" on September 9, 2019. Dr. M. Julias Ceasar, Assistant Professor of Commerce, St. Joseph's College (Autonomous), Tiruchirappalli was invited as the guest speaker for the session. The lecture began with a prayer song followed by welcome address by Ms. Irudaya Monica Catherine, Assistant Professor of Mathematics. During the session, apparent of insights were offered to the students pertaining to their job prospects in the field of Mathematics and areas related to it. The resource person also pinpointed the importance of Mathematics in cracking competitive examination. The session was ended with the feedback session followed by vote of thanks by Ms .C. Allfe Janet, Student Vice-President.

The major objective of any form of education is practical applicability. In this regard, a Quiz Competition was organised for the students. This is to make the education easy and interesting. The students were segregated into seven teams and four rounds were conducted, the details of the rounds are as under:

1. Round 1 - Aptitude in Mathematics
2. Round 2 - Who am I?
3. Round 3 – Math Medley
4. Round 4 – Math in Everything

As a concluding session for the academic year 2019-20, a special talk was arranged under the topic "Graph Grammars" on January 9, 2020. Dr. S. Therasa, Assistant Professor of Mathematics, University College of Engineering, Tiruchirappalli, was the invited speaker. Ms. R. Aishwarya, Assistant Professor of Mathematics was there to welcome the gathering. The lecture was intensively grounded nuances of Graph Grammars such as Multi set, Hyper graph, Color of a graph, Transformation, Isomorphism, Restriction of a graph, Degree of vertex in hyper graph to name a few. There were wonderful feedbacks given by the student after the lecture. The session was followed prize distribution for the Quiz Competition conducted earlier. The session came to the end with vote of thanks offered by R. Bhuvanewari of III B.Sc.