

## **MASTACOM'20 (18 January,20)**

Departments of Mathematics, Statistics and Computer Science of Mata Sundri College for Women, University of Delhi jointly organized the annual departmental one-day long event-MASTACOM'20 on 18th January 2020 from 10:00 AM to 4:00 PM.

The event commenced at 10:00 AM in Mata Sahib Kaur Auditorium with inauguration ceremony that began with welcome and introduction of the invited speaker for the event, Ms. Avneet Kaur, Deputy Director, Ministry of Statistics and Programme Implementation, by Ms. Sonia Aneja, Teacher-In-Charge of Department of Mathematics. The event was attended by more than 250 students and faculty members.

Ms Avneet Kaur delivered a talk entitled "Statistical Indicators for Sustainable Development Goals in India" that emphasized the role of statisticians in creating a balanced model for a nation's development. In an informative session, the speaker elaborated 8 Millennium Development Goals (MDGs) and 17 Global Sustainable Development Goals (SDGs) that all 189 UN member states have agreed to try to achieve by the year 2030 in the 70th Session of the United Nations (UN) General Assembly held on 25th September 2015 via the document titled "Transforming our World: the 2030 Agenda for Sustainable Development". Each goal had specific targets (in total 169) to ensure social, economic and environment development. She emphasized on India's significant progress towards achieving these goals viz., reducing poverty by half, universal primary education, providing clean drinking water etc. through various government schemes and programmes. To support her arguments, she presented government reports including Tier Classification Sheet (as of 11 December 2019) and listed 306 statistical indicators constituting National Indicator Framework (NIF) prepared by the Ministry of Statistics & Programme Implementation (MoSPI).

She also informed the students about an essay writing competition organized by the ministry on "National Statistics day" celebrated every year on 29<sup>th</sup> June where the winners get to attend the main function at Vigyan Bhawan, New Delhi. She also motivated students to be part of the Internship Scheme of the MoSPI aimed to facilitate the students to study and get familiarized with the prevailing system of official statistics in the country. She encouraged students to go for higher studies, and to become an active citizen of the country by sharing their knowledge of SDGs with other people. The talk concluded with an interactive session between the students and the speaker, followed by vote of thanks by Ms. Sonia Aneja.

The talk was followed by a cultural programme performed by students of all three departments that both the dancers and the audience enjoyed to the fullest. Then, Mastacom'20 proceeded with five fun-filled events, some conducted in parallel. Student-volunteers organized the events well, under the guidance of their faculty coordinators. The students actively participated in these activity-based events, and showed much enthusiasm. The registration for the events began almost a week earlier. Each event had 3 prizes.

Following is the list of events with their rounds:

Event name	Time and Venue	Event Summary
<p>inQUIZitive (Mathematica I Quiz Competition)</p>	<p>11:30am – 1:00pm in Mata Sahib Kaur Auditorium</p>	<p>A total of 31 teams from different courses of college participated. The first round was a Preliminary Round where the teams were given multiple-choice questions to solve on paper, on the basis of which 10 teams were shortlisted for Round 1 – The Logical Round. Round 1 ended with a tie between 5 teams, a tie breaker round was conducted which led 3 teams out of those 5, making a total of 7 teams to enter Round 2 -The Visual Round. 5 teams qualified for Round 3- MCQ and 4 teams made it to the final round 4- The Rapid-Fire fighting for the prizes. Unlike the usual Rapid-Fire rounds, here the teams were supposed to play Antakshri using Mathematical/ Statistical terms only. This round was the highlight of the event and was much appreciated by one and all. After this round, another tie-breaker was played for the third position, which gave us our final three winners for the event. First position was grabbed by students of B.Sc. (H) Statistics 1<sup>st</sup> year, whereas second and third positions were grabbed by B.Sc. (H) Mathematics 2<sup>nd</sup> Year and B.Com. (H.) 3<sup>rd</sup> Year students, respectively. Audiences also got a chance to play and win prizes via the Audience Rounds.</p>

C++ Mania	11:30am – 1:00pm in Vocational lab	The contest aimed to gather both beginners and experienced coders. There were seventeen teams (team of 2) who registered for the contest that consisted of three rounds. First round was a preliminary round which was an online based exam. It consisted of MCQ's. The questions in this round were based on concepts of C++. A total of 50 questions were set in this round, with the time limit of 15 minutes. The top 12 scorers were selected for the next round. Second round was a logical round based on error finding, output finding and finding the missing code questions. It comprised a total of 10 questions. Maximum time allotted to solve all these questions was 15 minutes. The top 7 scorers were selected for the next round. Round three was a computer based test consisting of 2 programming questions about real life concepts of C++ from which participating teams were required to answer only one of their choice. Time limit for this round was 30 minutes. Manvi Bhandari and Mansi Goel both from B.Sc. (H) Computer Science 2nd year bagged the first position with the cash prize of Rs 1200. Sejal Mishra from B.Sc. (H) Computer Science 2 <sup>nd</sup> year and Sweta Khatri from B.Sc (H) Computer Science 3 <sup>rd</sup> year bagged the second position with the cash prize of Rs 1000. Divya Chaudhry and Nida Khan from B.Sc. (H) Computer Science 2nd year bagged the third position with the cash prize of Rs 800.
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1.00 pm to 1.30 pm: Refreshment break		
Poster Making	1:30 – 2:30 PM in Room 211	The theme of the competition was “Technology & Sustainable Development”. Many students from various courses of college participated in the event with full zeal. The posters were judged on the basis of creativity, clarity, visual appeal and relevance to the theme of the competition. Participants were also given time to elaborate the context and details of their work. The winners were awarded by cash prizes. The first prize was bagged by Somya Agarwal of B.Sc. (H) Computer Science. Rashma Zarrin of B.A. (P) secured second position followed by Bharti Bisht of B.Sc. (H) Mathematics in third place.

Just a Minute	1:30 – 2:30 PM in Mata Sahib Kaur Auditorium	<p>Just-A-Minute is an all-round fun event that is organized every year in MASTACOM. It has different tasks which are to be completed in 1 minute each. This year a total of 23 teams participated. The First round of the game was 'Collecting Straws'. One member took a straw in the fork and carried it towards the other member. From the midway the second member inserted the straw in her fork and moved to reach the destination. The teams with the highest number of straws were qualified to the next round. In round two, 'Balancing Balloons', the team members were facing in opposite directions. They placed a balloon between their necks and moved from source to destination. Teams having the maximum number of balloons at their destination were promoted to the next round. For the Third round 'Stuck to toothpick', we tied the left hand of one member to the right hand of another member. The members had to insert 3 thermocol balls in each toothpick using their tied hands only. Teams with the highest number of such toothpicks prepared were qualified to the final round. The Final round was 'Blow and Burst the balloons'. In this round, both the team members blew and busted the balloons. The teams which busted the maximum number of balloons were declared as winners. Nisha Sharma and Chanchal Kumari from B.com (H) 2nd Year won the 1<sup>st</sup> prize, 2<sup>nd</sup> price was grabbed by Harshita and Riya Garg from 2<sup>nd</sup> year B.Sc. (H) Computer Science, and Sanskriti Singhal and Palak Garg from B.Com (H) 1<sup>st</sup> year stood third.</p>
Treasure Hunt	2:30 – 3:30 PM	<p>Treasure hunt is the most popular of all events in the MASTACOM. This year 38 teams from different courses participated with huge enthusiasm, where each team consisted of three members. The game was conducted in three rounds with elimination in each round. In the first round each team had to find four parts of a picture, similar to the one given to them, which were hidden at different places. There was a lot of exhilaration as students ran from pillar to post in search of the parts of their picture. 23 teams bid adieu in the first round with only 15 teams proceeding to the next round where they were tested on speed and swiftness. Each team had to solve riddles and perform certain tasks to know where they will find their next clue. Various parts of the college premises were used to place the clues. There was display of tremendous team work and</p>

		<p>coordination among the team members as they ran from one place to another solving the clues. 6 teams made it to the last round where they had to perform some more similar types of tasks. There were two cash prizes, first prize was of Rs 1500 and second prize of Rs 900. Two teams which came first and second beat each other by mere seconds. Both the teams were from Statistics first year. It was a treat to watch the winners find the 'treasure' with huge smiles on their faces.</p>
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