Ref No. MSC/IQAC/SSR-CR7/7.2.1/Best Practice - 1

Vocationalizing Education, Skill Enhancement and Promoting STEM Based Learning.

We provide skill based education that would amplify the employability of our students through various vocational courses, skill enhancement programs and STEM Learning. The Vocational Centre of Mata Sundri College, along with the newly established Departments like Computer Science and Statistics take a unique approach to promote skill based learning and provide opportunities for STEM based Learning. Our objective is to create a unique pedagogy that perfectly blends traditional syllabus with relevant marketable skills which have proved to be a major attraction for students.

Vocational Centre – Our Vocational Centre has been a seminal platform that has consistently offered courses that trained innumerable girls who went ahead to have lucrative job offers. Several skill enhancing field exposure activities and workshops have been arranged for the benefit of students. For details on Vocational Centre, refer to the link – https://vocational.mscw.ac.in

Entrepreneurship Cell - we also now run a fully functional Entrepreneurship Cell '*Uddham*' that is committed to nurture the entrepreneurial dreams of young students and prepare them to launch their own start-up ventures in future. Details can be referred to on the link - https://mscw.ac.in/Uddham.aspx

Internship and Placement Cell - Internship and placement cell along with other departments, organize Career Counselling Sessions and Skill Based Counselling Sessions that further help our students to excel in the highly competitive job market. Details of internship cell activities can be referred to on the link - https://mscw.ac.in/placement_cell.aspx

STEM LEARNING - Departments like Computer Science and Statistics promote STEM learning and we are committed towards matching the students' skills with the needs of the economy. This is in consonance with our vision of women empowerment. Following are an account of the events undertaken to promote STEM Learning. The college regularly organizes 2 credit and 3 credit short term courses for skill enhancement. Following are some details of the same.

1. Departments of Mathematics organized a Short Term Skill Development Certificate Course on Python for Machine learning, following is the report for the same.

    Report

    Department of Mathematics and Internal Quality Assurance Cell (IQAC), Mata Sundri College for Women in collaboration with 9LedgePro-Microsoft Partner Network organized a Short Term Skill Development Certificate Course on "Python for

Machine Learning and Data Science". The course commenced on 31st October 2020 with an inaugural ceremony which began with a melodious rendition of the college prayer. The Course Coordinator, Ms. Sonia Aneja welcomed the Principal Prof. Harpreet Kaur, the Course Speaker Mr. Parth Shukla, Co-founder, 9LedgePro-Microsoft Partner Network and the Teacher-In-Charge (TIC) of Department of Mathematics Ms. Mandeep Walia. The Principal then addressed the participants and motivated them with encouraging words. TIC also wished the students all the best for the successful completion of the course. The duration of the course was 30 hours. There were 12 live sessions, out of which 6 sessions of 3 hours each were held on weekends and 6 sessions of 2 hours each were held on the weekdays. Live sessions were conducted on Microsoft Teams. It was attended by 53 students.

The objective of the course was specifically to introduce various concepts of Python programming which would enable the participants to gain basic understanding of the tools and techniques involving in Data Sciences while providing exposure to different applications of Python through projects such as sentiment analysis, detection of fake news etc. Several useful topics like Python Data Structures, Python Programming Fundamentals, NumPy, Pandas and Matplotlib, Introduction to Machine Learning (ML) were covered. Students created python scripts and worked on the data-sets to apply ML. The Instructor interacted with the students on one-to-one basis and took their doubts in each session. 6 assessments and a final test were taken during the course to strengthen their knowledge of the Python language.

The live sessions concluded on 22nd November 2020 with a closing ceremony where the TIC, Ms. Mandeep Walia and the Course Coordinator Ms. Sonia Aneja proposed a vote of thanks and some of the participants shared their experiences and feedback of the course. The students participated in full enthusiasm and found the course beneficial and interesting. Successful students were given E-Certificates at the end of the course.

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Figure 1 An Image of the Poster of Short Term Course on Python For Machine Learning

Figure 2 Screenshot of Short Term Course in Progress

S.No.	Name	quiz1	quiz 2	quiz 3	quiz 4	quiz 5	quiz 6	final assessment
1	Aarti Sharma	given	given	given	given	given	given	given
2	Aarushi Chawla	given	given	given	given	given	given	given
3	Anjali Sharma							
4	Anshika Gahlot	given	given	given	given	given	given	given
5	Anumeet Kaur	given	given	given	given	given	given	given
6	Ashween Kaur	given	given	given	given	given	given	given
7	Bavleen Kaur							given
8	Bhawna	given	given	given	given	given	given	given
9	Chavi Goel	given	given	given	given	given	given	given
10	Chetna Mehra	given	given	given	given	given	given	given
11	Gaganpreet Kaur	given	given	given	given	given	given	given
12	Harneet Kaur	given	given	given	given	given	given	given
13	Harpreet Kaur	given	given	given	given	given	given	given
14	Himani Rajput	given	given	given	given	given	given	given
15	Himani Singh	given	given	given	given	given	given	given
16	Ishika Goel	given	given	given	given	given	given	given
17	Ishika Jain	given	given	given	given	given	given	given
18	Ishmeet Kaur	given	given	given	given	given	given	given
19	Jasminder Kaur	given	given	given	given	given	given	given
20	Jasnoor Kaur Chhabra	given	given	given	given	given	given	given
21	Jyoti	given	given	given	given	given	given	given
22	Jyoti Bahukhandi	given	given	given	given	given	given	given
23	Korada Vaishali	given	given	given	given	given	given	given
24	Mahek Khurana	given	given	given	given	given	given	given
25	Mahima Mehandiratta	given	given	given	given	given	given	given
26	Manpreet Kaur	given	given	given	given	given	given	given
27	Mansimar Kaur							given
28	Muskaan Aggarwal	given	given	given	given	given	given	given
29	Namrata Singh	given	given	given	given	given	given	given
30	Nayanpreet Kaur	given	given	given				given
31	Nitika Rawat	given	given		given	given	given	given
32	Parul Sharma	given	given	given	given	given	given	given
33	Payal Bhadoria							
34	Prachi Gupta							
35	Pragati Gautam	given	given	given	given	given	given	given
36	Preeti Sajwan	given	given	given	given	given		given
37	Priya Legha	given						
38	Priyanka Talwar							given
39	Rashi Mathur	given	given	given	given	given	given	given
40	Riya Gujral	given	given	given	given	given	given	given
41	Saksham Chauhan	given	given					given
42	Sakshi Gairola	given	given	given	given	given		given
43	Saloni Dangwal	given	given	given	given	given	given	given
44	Salvi Jain	given	given	given	given	given	given	given
45	Sandeep Kaur Sekhon	given	given	given	given	given	given	given
46	Sarmistha Sutar	given	given	given	given	given	given	given
47	Shalu	given	given	given	given	given	given	given
48	Shreya Ganguly	given	given	given	given	given	given	given
49	Simranjeet Kaur	given	given	given	given	given		given
50	Suhani Sharma	given						
51	Tanya Gupta	given	given	given	given	given	given	given
52	Vinita Joshi	given	given	given	given	given	given	given
53	Yatika Arora	given	given	given	given	given	given	given

Figure 3 Snapshot of Short term Course Assessment

2. **Department of Mathematics organized a National Webinar on Technology-Enabled Higher Education in India: Challenges and Opportunities**

REPORT

Department of Mathematics organized a National Webinar on Technology-Enabled Higher Education in India: Challenges and Opportunities on June 15th, 2020 at 11 am through google meet. The key speakers were Prof. (Dr.) A.K. Bakshi, Vice Chancellor, PDM University Bahadurgarh Haryana and Dr. Arpita Gopal Co-Founder

& Director, Juno Software Systems Pvt. Ltd, Pune. The webinar commenced with the welcome of the guests by Ms. Sonia Aneja, Convener of the webinar, Department of Mathematics and Ms. Mandeep Walia, Teacher-in-charge, Department of Mathematics.

The main objective of the webinar was to provide knowledge about technologies in higher education in India in today's virtual scenario. Valuable information on development of MOOCs and how it provides a good platform for interactive and remote learning was discussed. The participants were enlightened with various initiatives of MHRD like ARPIT to improve and bring about innovations in pedagogy. It was an interesting and meaningful session for the professional development of the participants. There were over 175 participants in this webinar. An e-certificate was given to each participant.

In the end, Ms. Mandeep Walia proposed a vote of thanks.

Figure 4 Image of the poster for National Webinar on Technology-Enabled Higher Education in India

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Figure 5 Screenshot of the Session in progress

Figure 6 Images of Online Session in Progress

Report of the Event:-

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In the end, Ms. Mandeep Walia proposed a vote of thanks.

For full report and pictures refer to link- https://mscw.ac.in/maths_events.aspx

3. Department Of Mathematics Organized A Skill-Based Session On **National And International Opportunities For Higher Education.**

The 4th Industrial Revolution is changing the world at an incredibly amazing pace. In this digital age, we need to reimagine skill development and career paths relevant to the 21st century and not rely only on traditional vocations. It is with this objective that the Department of Mathematics and IQAC organized a skill-based counselling session on **NATIONAL AND INTERNATIONAL OPPORTUNITIES FOR HIGHER EDUCATION** on February 6th, 2021. Co-convener for the event, Ms. Sonia Aneja, welcomed the Principal, **Prof. Harpreet Kaur** and the speakers **Dr. G.S. Tuteja,** Associate professor, Department of Mathematics, Zakhir Hussain Delhi College, University of Delhi, Former Deputy Dean Students Welfare, and **Mr. Alok Bansal,** Career Counselor and mentor. The Principal then encouraged the participants and gave insights on the importance of building better resumes and writing better SOPs for students aspiring to study in the top universities of the world. The teacher-in-charge, Ms. Mandeep Walia then welcomed the speakers and the participants.

The session began with Dr. Tuteja addressing the common dilemmas students face after completing their graduation. He emphasized on building skills and gaining experience by doing internships and research projects along with their graduation degrees. He also enlightened the students about some of the premier institutes in our country and the various exams students can prepare for, to get admissions in them for pursuing post-graduation in their fields of interest. He also talked about non-conventional careers like blogging, youtubing and content writing. Mr. Alok Bansal urged the students to focus on their college grades and highlighted the fact that college academics were highly crucial and played an important role for getting an admission in international universities. He talked about the various competitive exams students can take for applying to international universities and how they can build their profiles to distinguish themselves from other applicants. He also stressed on the significance of doing social service project and the value they add to ones' resume.

The session concluded by an interactive question and answer session. The speakers were happy to address all the queries put forth by the participants. The session was a huge success and helped the students in making mindful decisions for their future careers. The students found the session extremely helpful and engaging. E-certificates were given to all the participants. The session ended on a high note with the convener, Dr Rama Verma, proposing a vote of thanks.

Figure 7 Image of the Counselling Session Report

Link to read the report - https://mscw.ac.in/events/Maths/report_PYTHON.pdf

Figure 8 Image of the Skill Based Counselling Session Poster

Figure 9 *Images of the Counselling Session in Progress*

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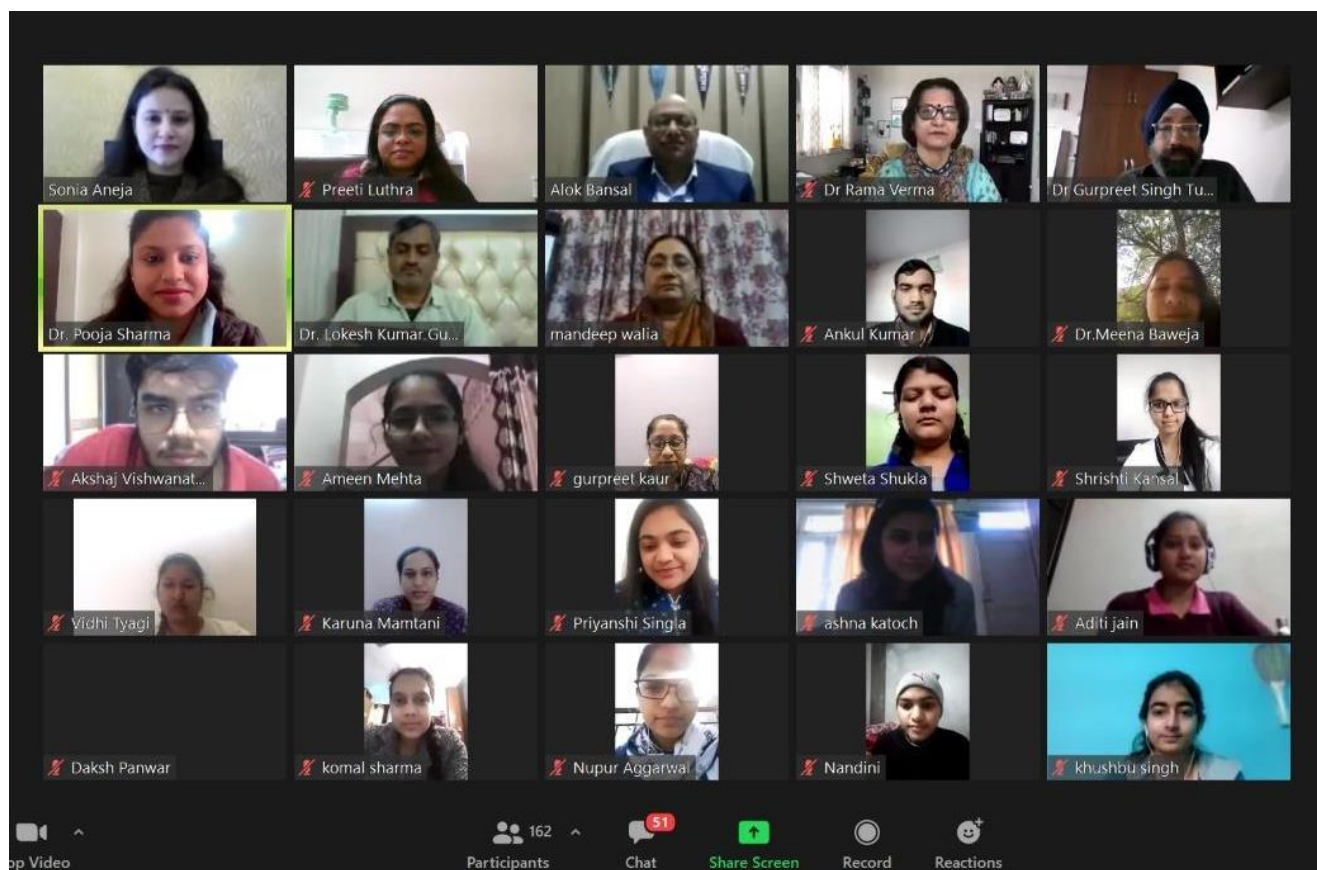**Mata Sundri Lane, New Delhi-110002**

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Figure 10 Images of the Counselling Session in Progress

For further details on the event refer to link – https://mscw.ac.in/maths_events.aspx

4. Department of Mathematics organized an inter-college workshop on career counselling with an interactive session on mock interviews.

Inter-college workshop, "The World Within Your Reach"
(3rd February 2017)

On 3rd February 2017, The Mathematics Society, ASYMPTOTE organised an Inter-college workshop, "The World Within Your Reach" at Mata Gujri Hall of the college. The workshop had been planned incorporating two interactive sessions –"Spreading Your Wings" and "Success @Interviews" that aimed to guide students through the various career options. Dr. Asha Gauri Shankar, Associate Professor (Retd.), Lakshmibai College, Delhi University and presently Professor, International Management Institute, Delhi. who graced the occasion dealt with the diverse nature of mathematics and the various opportunities, this field offers to students.During Inter-active session "Success@Interviews" sir elucidated upon the types on interviews and what type of behaviour is expected from the candidate. In the later session, a few case studies with regard to interview sessions were taken up which was followed by questions.

The workshop was then followed by an inter-college Mathematical Rangoli Competition where students were invited to present their Mathematical artwork as per set rules. The team of students from Hindu College, University of Delhi, won the first cash prize and the second cash prize goes to team of Mata Sundri College for Women.

Figure 11 A Snapshot of Counselling Session report.

Figure 12 Image of the Counselling Session Poster

Figure 13 Collage of Images of the Counselling Session in progress.

For more details on this counselling session refer to the link –
https://mscw.ac.in/Maths_worksop.aspx

Department of Mathematics, Computer Science and Statistics organized a Career Talk.
Following is the report of the event.

Report
  Career opportunities in the entertainment industry: The Art and Science of animation

The career talk on the topic "Career opportunities in the entertainment industry: The Art and
Science of animation" was jointly organize by Department of Mathematics, Statistics and
Computer Science on 28th March 2019 in the Mata Sahib Kaur Auditorium. The distinguish
speaker of the talk was Dr. Jagmohan Singh Rai, Associate Professor, P.G.D.V College
(Eve). The talk was attended by more than 250 students and faculty members of the college.

The focus of the talk was to apprise the students with the applications of Mathematics and
Computer Science in the entertainment industry. The cinema of today, traditional as well as
the animated movies, is highly dependent on CGA - Computer Generated Art, which in turn
uses tools from both mathematics and computer science. The talk was made interesting by
showing clips of actual visual effects shown in Bahubali and so many other movies to
emphasize on the use of this science in the industry.

Students were indeed happy to know how the sound knowledge of theoretical mathematics
paper, particularly linear algebra and matrices is valued in animation industry. Talk was
highly beneficial to the students as it made them aware about this ever growing and well paid
field.

Figure 14 Image of the Career Talk Poster

Figure 15 Collage of images of the Session in progress

IQAC in collaboration with Department of Mathematics, Statistics and Computer Science organized an Awareness Workshop on Digital India Initiative on September 12, 2018. Following are the details of this event. The event witnessed active participation from students.

Figure 16 Image of Awareness Workshop on Digital India Initiative Poster

Report
Awareness Workshop on Digital India Initiative

The"Awareness Workshop on Digital India Initiative" was jointly organized by the departments of Mathematics, Statistics and Computer Science, Mata Sundri College for Women (University of Delhi) on 12th September 2018 at Mata Sahib Kaur auditorium in the college premises. It was conducted by CSC e-Governance Services India Limited. The workshop began with the welcome address by the teacher-in-charge of Mathematics department Ms. Sonia Aneja. The distinguished speakers for the event were Ms. Bhagwati Jamnal, Manager –Education, CSC e-Governance Services India Limited and Mr. Omveer Chaudhary, Manager –Education, CSC e-Governance Services India Limited. The workshop was attended by more than 300 college students and faculty members.

The objective of the workshop was to spread awareness about the Digital India Programme, which is a flagship programme of the Ministry of Electronics & Information Technology, Government of India and to showcase the impact of progress made by the CSC e-Governance Services India Limited under Digital India Initiative in delivering e-governance services and digital empowerment schemes.

Speaking on the occasion, Ms. Bhagwati Jamnal talked about vision of Digital India programme to transform India into digitally empowered society and knowledge economy. She spoke about how the common service centres (CSCs) are becoming an access point for delivery of various e-governance & public utility services to people in rural areas of the country. During this session, some of the prominent citizen centric schemes under Digital India programme were showcased. These included PMG Disha which provides digital literacy training and research opportunities to students, Stree Swabhiman which strives to create awareness about women health & hygiene, Investor Awareness Project, Legal Literacy & Tele-Law to provide legal advice, Pradhan Mantri Jan Aushadhi Scheme providing tele health consultations and e-Pashu Chiktsa. She also shed some light on UMANG & BHIM App which would be extremely useful for the students.

The second session began with a film on Digital India. During this session, Mr. Omveer Chaudhary talked about opportunities & challenges for social entrepreneurship in Digital India Initiative. He informed students about Digital India Internship Programme, Ayushman Bharat Scheme, Electronic Development & Centre of Excellence on Internet of Things (IOT). He urged students to take part in CSC Campaign to Make India Green which aimed to spread awareness about importance of tree plantation for environment conservation.

This was followed by question-answer session where students and staff interacted with the speakers and asked various questions on Digital India Initiative taken up by the government. The students found the workshop extremely enlightening and informative. The event was a success and was well appreciated by one and all. The workshop concluded with the vote of thanks by Ms. Sonia Aneja, teacher-in-charge.

Figure 17 Report of the Awareness Workshop on Digital India Initiative

Glimpses of the Snapshot of Report and Pictures

To integrate skill development beyond academics and curriculum, Department of Mathematics, Computer Science and Statistics organizes various competitive programs for students to improve their digital skills while having fun. One such event was "C++ Mania" in Mastacom. Following is the report and other details of the event.

Figure 18 An image of the Mastacom Poster

REPORT ON the event C++ Mania

C++ Mania, a Programming Event was organized on 18th January 2020 at Mata Sundri College For Women in the Vocational lab from 11:30 am to 1.30 pm by the Department of Computer Science. The contest aimed to gather both beginners and experienced coders. The event was organized as part of MASTACOM 2020, the annual one day fest jointly organized by Departments of Mathematics, Statistics and Computer Science. There were seventeen teams (team of 2) who registered for the contest that consisted of three rounds.

Round 1(PRELIMINARY ROUND)
➢ First round was preliminary round which was an online based exam.
➢ It comprised of MCQ's.
➢ The questions in this round were based on concepts of c++.
➢ There were a total of 50 questions in this round, with the time limit of 15 minutes.
➢ The top 12 scorers were selected for the 2 next round.

Round 2(LOGICAL ROUND)
➢ Second round was based on error finding, output finding and finding the missing code
➢ It comprised a total 10 questions.
➢ Time allotted to solve all these questions were 15 minutes.
➢ The top 7 scorers were selected for the next round.

Round 3(COMPUTER BASED ROUND)
- ➢ Round three dealt with programming questions
- ➢ It contained 2 questions from which participating teams were required to answer only one of their choice .
- ➢ The questions in this round were based on real life concepts of c++.
- ➢ Time limit for this round was 30 minutes

About the winners:
- ➢ Manvi Bhandari and Mansi Goel both from Bsc(H)Computer Science ,2nd year bagged the first position with the cash prize of Rs 1200.
- ➢ Sejal Mishra from Bsc(H)Computer Science ,2nd year and Sweta Khatri from Bsc(H)Computer science,3rd year bagged the second position with the cash prize of Rs 1000
- ➢ Divya Chaudhry and Nida Khan both from Bsc(H)Computer Science ,2nd year bagged the third position with the cash prize of Rs 800.

In the end all the participating teams were congratulated by the Event Coordinators.
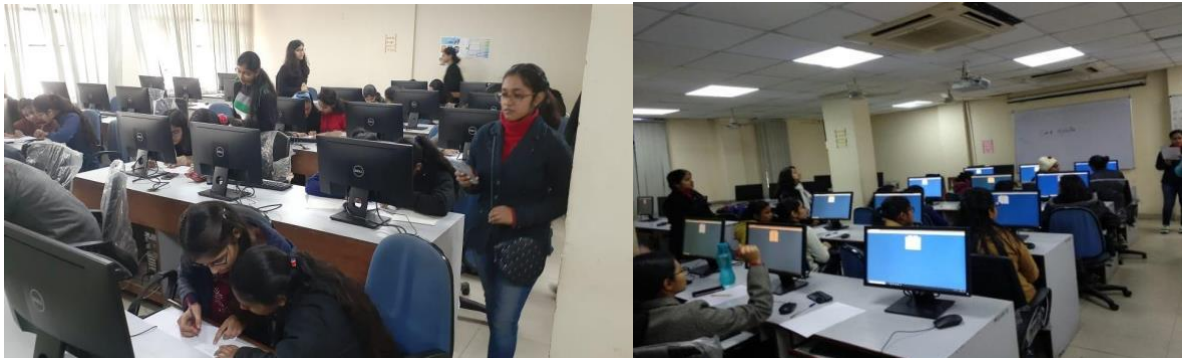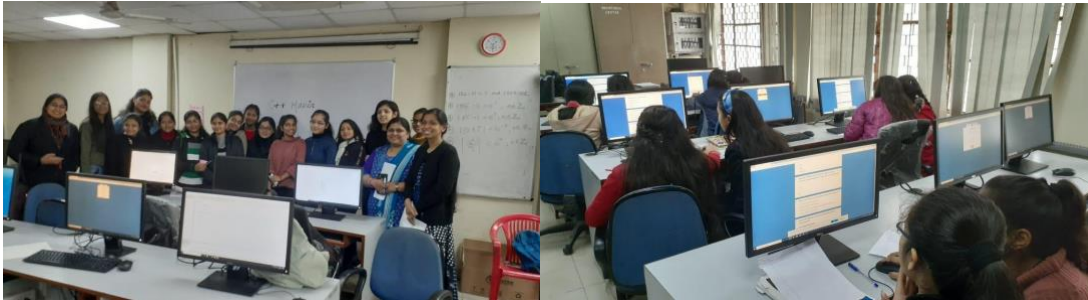
Figure 19 Some Images of C++ Mania

Another event that promoted skill learning through a competitive platform was, Technophilia: PPT Presentation Competition. Following is the report and other details of the event.

REPORT on "Technophilia: PPT Presentation Competition"
Departments of Mathematics, Statistics, and Computer Science of Mata Sundri College for Women, University of Delhi jointly organized **"Technophilia: a PPT**

Presentation Competition" on 3rd October 2019 from 12pm-3:30 pm in Mata Gujri Hall.

The event commenced at 12 pm with the **Badge ceremony** for the Executive members of all three departments. After this the competition started. The panel of judges comprised of Dr Rama Verma (Department of Mathematics), Dr Rashmi Verma (Department of Mathematics) and Ms. Ritika Hira (Vocational Department).

The presentation comprised of three tracks, namely, "Recreational Mathematics", "Ubiquitous Statistics", and "Internet of Things", with two rounds: Preliminary and Main. In the preliminary round, a total of 45 teams (each team having 2 students) participated across all three years: 13 teams from mathematics, 12 teams from statistics and 20 teams from computer science. Out of 45 teams, 18 teams were shortlisted for the main round considering the parameters of richness of content, uniqueness of ideas, aesthetics (design, layout and organization of slides) and confidence, expression and articulation skills of students.

The students from 3rd years of all three departments presented first, followed by the students of 2nd year and then at the end, the students from 1st year gave their presentations. Students from Mathematics department talked about how Mathematics, which is considered as a tough and scary subject to most of the students is used in various recreational activities like Poker, Tangram, Mancala etc. Students from Statistics department put light on how Statistics is used in everyday life and in various sectors such as sports like cricket, banking sector or in e-commerce. The students from the Computer Science department engaged the audience by presenting how different things, connected to each other via Interne, communicate with each other and make our lives easier and better. They explained various applications of IoT like IoT in Defence, Smart Homes and IoT's security and privacy issues.

The competition brought forth an amalgamation of intelligence, research, and creativity. The students researched well to gather information on the topics and used innovative ways of presenting them. The preparation for the event began almost a month earlier. Fielding question after question by the judges, the participants displayed their undying thirst for knowledge, while showcasing their immense interest and the astonishing amount of effort and research put into each of their individual presentations.

Student-volunteers organized the event well under the guidance of their faculty coordinators. The event was attended by 20 faculty members and around 300 students from all the three departments. Overall, the event was a roaring success and fulfilled its primary aim to showcase the technical skills of participants.

Prior to the announcement of winners, the judge panel gave the comments and words of wisdom. The result of the event was as follows:

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POSITION	NAMES, DEPARTMENT, YEAR	CASH PRIZE
I	Kanwalpreet and Lovely, Computer Science, 2nd year	Rs 1200
II	Anjali and Deepika, Statistics, 2nd year	Rs 1000
III	Paridhi and Preeti, Computer Science, 3rd year	Rs 800
Consolation	Jasnoor and Harneet, Mathematics, 1st year	Rs 500

The event concluded with the vote of thanks by Ms. Sonia Aneja, teacher-in-charge, Department of Mathematics.

Figure 20 Picture of the Poster of the event Technophilia.

Figure 21 *Collage of images of Technophilia in progress*

To enable the faculty members with online mode of teaching through Google meet, IQAC organized Two day Webinar on Enhancing Online Teaching-Learning using GSuite Tools Google Class Room and Google Meet. Following is the detailed report of the event.

Report on Webinar on "Enhancing Online Teaching-Learning using GSuite Tools Google ClassRoom and Google Meet" (With Hands-On Practical Sessions)

An Initiative of Mata Sundri College for Women for Faculty Training

Mata Sundri College for Women, University of Delhi organized a Two Day Webinar in collaboration with the Internal Quality Assurance Cell (IQAC) on "Enhancing Online Teaching-Learning using GSuite Tools Google ClassRoom and Google Meet", with hands-on practical sessions, on July 15th-16th 2020 from 11:00 AM to 1:00 PM. We are in the middle of a global COVID-19 pandemic which has affected all segments of the society in one way or the other and has created challenges for everyone involved, including academicians. The objective of the webinar was to introduce faculty members with online teaching-learning tools, and encourage them to use similar tools to conduct online lectures effectively, if the need arises to work from home, during the coronavirus pandemic.

The organizing team was headed by Ms Ashema Hasti, the Convener of the webinar and Dr. Manisha Mathur, IQAC Coordinator. The event commenced with the opening speech by the Convener, followed by Welcome Address delivered by Prof. (Dr.) Harpreet Kaur, Principal MSCW. She welcomed the two Event Speakers as well as the faculty participants and encouraged and appreciated efforts of the organizing team.

The two expert Speakers Dr. Nikhil Kumar Rajput and Ms. Bhavya Ahuja Grover work as Assistant Professors in the Department of Computer Science, Ramanujan College. They focused on the need and role of Online Teaching and Learning Tools such as Google Classroom, Google Meet, Google docs, and Google Forms for conducting virtual classes.

The event was attended by senior as well as young faculty members, from various departments. First day of the webinar was well-moderated by Dr Kiranjeet Sethi, Associate Professor, Department of English. Google classroom basics were covered during the session. The moderator for the second day of the webinar was Mrs. Sonia Aneja, Assistant Professor, Department of Mathematics. Google meet, Google Docs and Google forms were covered during the session. The technical aspects of the webinar were handled by Mrs. Sangeeta Pathak, Technical Coordinator and Ms Mishika Rawat, Student Coordinator. Numerous queries were handled during the session and participants actively involved themselves in gaining insight on Gsuite Tools. The feedback form was also shared with the participants.

The webinar concluded with insight by Prof. (Dr.) Harpreet Kaur, Principal and vote of thanks by Dr Manisha Mathur. The event turned out to be successful and received overwhelming response, with participation from 152 faculty on first day and 163 faculty on the second day.

Figure 22 The image of the Webinar on Enhancing Online Teaching-Learning using GSuite Tools Google ClassRoom and Google Meet Poster

Figure 23 Snapshots of Webinar Session in Progress with the Principal Prof. Harpreet Kaur

Day-1 Schedule

[Entire Anchoring/Moderation by Dr Kiranjeet Sethi]

- Announcing of Instructions for Participants [Dr Manisha Mathur]

- Introduction of topic/speakers [Ashema]

- Inviting Principal Ma'am [Ashema]

- Welcome Address [by Prof. (Dr.) Harpreet Kaur, Principal Ma'am]

- Handing over the virtual mic to Dr Kiranjeet Sethi

- Technical Session -1 [by Event Speakers]

- Q & A Session [Dr Kiranjeet Sethi]

- Announcing all participants can switch on their videos but keep the

  mic on mute, for Group photograph [Dr Kiranjeet Sethi]

  [Mishika/ Ms Sangeeta will take photo]

- Closing the session [Dr Kiranjeet Sethi]

Day-2 Schedule

[Entire moderation/anchoring by Ms Sonia Aneja]

- Announcing of Instructions for Participants

- Welcome/Introduction on Day -2

- Technical Session-2 [by speakers]

- Q & A Session [questions read by Ashema]

- Inviting Principal mam to share her observations of webinar

- Inviting IQAC Coordinator for Vote of Thanks

- Announcing all participants can switch on their videos but keep the

  mic on mute, for Group photograph

  [Mishika/ Ms Sangeeta will take photo]

- Closing the session

Figure 24 Image of the Webinar Schedule

Department of Mathematics Organized a National Conference on Advances in Applied Mathematics and Statistics in 2017.

National Conference on Advances in Applied Mathematics and Statistics (NCAAMS 2017)
CONFERENCE REPORT

The "National Conference on Advances in Applied Mathematics and Statistics" (NCAAMS-2017) was organized by the **Department of Mathematics, Mata Sundri College For Women (University of Delhi)** on 7-8 September, 2017. The conference was sponsored by Department of Science and Technology(DST-SERB) and Defence Research and Development Organization (DRDO), The inauguration ceremony was held on 7th September at Mata Sahib Kaur Auditorium in the college premises. The principal Dr. Kawarjit Kaur welcomed the chief guest and other distinguished guests. The chief guest Dr.(Mrs) Pankaj Mittal, Additional Secretary-I, University Grants Commission appreciated the efforts and talked about the significance of team work for the success of every event. Dr. Preeti Ahuja and S.Prithipal Singh Sawhney, honorable Members, Governing Body and the guests of honour Prof. Sudhir R. Ghorpade, IIT, Mumbai and Prof. B.K. Dass, University of Delhi graced the function with their presence. The objective of organizing the conference was to enhance the knowledge of every participant while providing a vibrant and dynamic platform to renowned researchers and academicians to present research papers followed by discussions to enable dissemination of recent advances in various fields of mathematics. The conference addressed prevalent key questions on the subject of applied mathematics and statistics and attempted to bridge the gap between academia and industry. The two day event was attended by over 125 research scholars and delegates from renowned institutions of India including Central/ State universities such as University of Delhi, Jamia Millia Islamia University, South Asian University, Amity University (Noida), University of Allahabad, IIT's, NIT's and several others. There was international participation as well with two speakers from Italy and one from U.A.E. The keynote address was delivered by Prof. Ayman Badawi, American University of Sharjah, U.A.E and the plenary talk by Prof. Stefano Innamorati, University of L'Aquila, Italy. Prof. Madhu Raka, Punjab University, Prof. C.S.Lalitha, University of Delhi, Dr. Indivar Gupta, DRDO, Prof. Fulvio Zuanni, University of L'Aquila, Italy and many other speakers discussed many facets of applied mathematics and statistics with emphasis on both theory and applications to the real world problems. Session wise details are provided below.

Figure 25 Image of the Event Report

Figure 26 Image of the Poster of National Conference on Advances in Applied Mathematics

Figure 27 Images of the Seminar Session on Advances on Applied Mathematics

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Department of Statistics and IQAC organized One Week Faculty Development Program on "Exploratory Data Analysis using Statistical Software R and SPSS" 7th–13th January, 2021.

Figure 28 Poster of the FDP on Exploratory Data Analysis Using Stastical Software R and SPSS
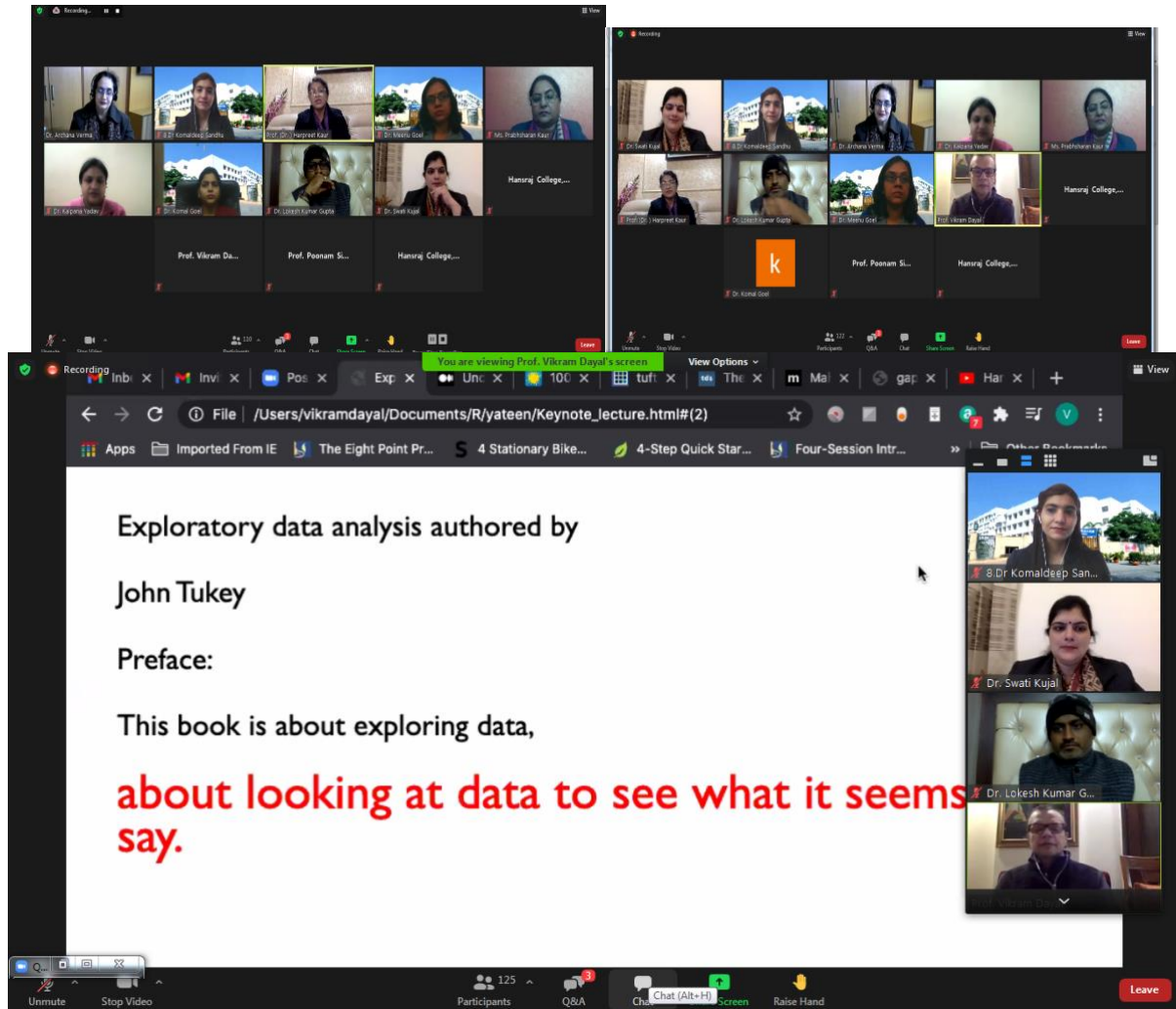
Figure 29 Snapshots of FDP Sessions in Progress.

Department of Economics organized a Workshop on Hands on Training Usage of World Bank Open Data in 2019

Figure 30 Image of the Poster of the Faculty Development Programme

Figure 31 Images of the FDP sessions in Progress

Department of Economics along with Commerce and B.A Programme Society and IQAC organized an online Career Counselling Session on 3rd February 2021.Link to the entire report :-

Figure 32 Image of the Poster of Career Counselling Session

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Figure 33 Images of the Counselling Session in Progress

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Any Other relevant Information -
Skill Based Learning - All Departments along with Placement and Internship Cell organize Career Counselling Sessions and Skill Based Counselling Sessions that further help our students to excel in the highly competitive job market.

● Department of English organized a workshop for students to enhance Creative Writing Skills.

Figure 34 Some images of the workshop with all English Department teachers and the resource person

● NCC Organized a webinar to enhance the essential skill of Teamwork and team-spirit.

Figure 35 Poster of the Webinar Success Through Teamwork

Feedback of the event by Dr. Col. M.P Singh

It gives me immense pleasure to give my feedback about the Webinar on 'Success through Teamwork' organised by the NCC wing of MS College, DU.The team organising the Webinar contacted me well in advance to discuss the topic relevant for the NCC candidates. After that they did a really wide outreach to the students and on final day we had a very well organised and orchestrated function. It was evident from the enthusiasm seen in the over 250 students who had joined the webinar. The students not only watched the webinar in a disciplined manner but also asked lots of questions in the end.
I am indeed grateful to the teachers who organised this event and congratulate the Principal Mata Sundri College for the Initiative.

Regards
Col Mohinder Pal Singh, PhD
Greater Noida
8319198082

- BA (P) Society organized a National workshop on Lyric writing and its scope in Contemporary Cinema

Figure 36 Image of the Poster of the National Workshop on Scope of Lyric Writing in Contemporary Cinema

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