



Prahladrai Dalmia Lions College of Commerce & Economics

Sunder Nagar, Malad (West), Mumbai, 400 064

ISO: 9001-2015 Certified

Department of Mathematics and Statistics

Report 2022-23

The Department of Mathematics & Statistics was started during the inception of the Institution. The Department of Mathematics & Statistics worked diligently to give its best to the institute and students. The department members gave their whole hearted support in the different institutional associations and committees. The Department has dedicated and sincere faculty members. One faculty member is a doctorate holder and Ph.D. guide. The department is equipped with a computer lab with the latest required softwares and internet connection in order to conduct the practicals.

Mission

To create awareness about the fundamental concepts and competency by providing the essential knowledge and skills, so as to be able to become competent and successful in the chosen profession.

Vision

To facilitate the students to be academicians.

Goals

Our main objective of the Department is to impart quality education to our students with best available facilities. It is our greatest objective to obtain consistent and excellent results that would serve as our resume.

I take this opportunity to thank my members for their contribution to the smooth functioning of the department. The young members of the department gave their best to the departmental activities and fully cooperated with the work assigned to them.

The department constantly makes efforts to help students academically. The department faces the challenge at both FYBCOM and TYBCOM levels in subjects of Mathematics and Computer Systems & Applications respectively during the online lectures of students. But the members of the department strive to make the subject achievable for students by using available LMS resources and taking revision lectures for FYBCOM and TYBCOM students.

Academic Activities:

- 1) The department conducted a practical examination of 25 marks as an internal assessment in the subject of Computer systems and Applications for TYBCOM students.
- 2) Dr. Jayprakash Yadav, Mr. Sandeep Gupta, Ms. Akshata Pawar, Ms. Harshada More, Mr. Aditya Mahyavanshi and Mr. Rohan Yadav took revision lectures for the students of FYBCOM.

- 3) Revision lectures for Semester V and VI were held for TYBCOM students in the subject of Computer Systems and Applications. The students were posted with notes and other instructional materials on their official WhatsApp groups.
- 5) The Department also conducts Bridge course for the students of F.Y.B.Com.(Mathematics and Statistics) and T.Y.B.Com.(Computer systems and Applications)
- 6) The department continued to conduct sessions on T.Y.B.Com University Paper Pattern and Solution.in the subject of Computer Systems and Applications.
- 7) The Crash Course in the subject of Computer Systems and Applications for Semester V and semester VI were conducted by Dr. Jayprakash Yadav and Mr. Sandeep Gupta on 14th & 15th September 2022 and 13th & 15th of April 2023 respectively.
- 7) The department also organized a seminar on career guidance session for competitive examinations on the topic **“The Importance of Competitive Exams in Career Development”** on 3rd



August, 2022 at 10.30 a.m. in the college auditorium in which 97 students have attended the session.



Clockwise Fig1. Lighting of Lamp Fig2. of Speaker Fig 3. Introduction of Speaker
Fig 4. Delivery by Speaker

- 8) The department also organize a mathematics quiz Competition- Tricky Troupe 2022-23 on 17th February, 2023 at 10:30 am in the classroom F2 first Floor where 50 students participated in the quiz. winners of the quiz are Shubham Verma FYBCom F, Gagan Parihar SYBCom D and Dipesh Sawant TYBCom B. They stood 1st, 2nd and 3rd respectively.



Clockwise Fig 1. Inauguration of Tricky Troupe 2022-23

Fig2. Tricky Troupe Elimination Round Fig 3. Tricky Troupe Round II

Fig 4. Tricky Troupe Round III Fig 5. Winners of Tricky Troupe

9) The department also organize a PDLCTrix 2022-23: An online quiz competition in Computer on 25th March, 2023 at 10:30 am where 30 students participated in the quiz.

Result Analysis:

1) FYBCOM (Sem-I &II) 2021-22: College Examination

Semester	Total	O	A+	A	B+	B	C	D	Fail	Pass	% ge
I	887	54	250	361	29	42	21	111	19	868	97.86

II	887	12	18	38	40	49	61	506	163	724	81.62
----	-----	----	----	----	----	----	----	-----	-----	-----	-------

2) TYBCOM Sem V (2022-23): University Examination Computer Systems & Applications

Semester	Total	AB	Appeared	O	A+	A	B+	B	C	D	Fail	Pass	% ge
V	401	27	374	27	32	45	41	37	64	93	35	339	90.64

Subject Rankers:

Roll No.	Name of Students	Ranks	Marks obtained
A-110	Kadam Nishant Sanjay Chandrakala	1st	100
B -230	Padekar Harshada Prakash Vimal	2nd	97
C -441	Varma Sejal Rupesh Meena	3rd	96

Research and Extra-Curricular Activities:

The faculties are actively engaged in research activities. The department members are encouraged to attend National/International Conferences, workshops and seminars. They are also encouraged to publish research papers in peer reviewed National/International journals.

1. Dr. Jayprakash Yadav:

- A research scholar has successfully completed a Ph.D.(Mathematics) from PAHER University, Udaipur, Rajasthan under my supervision.
- Published a research paper entitled "On Some Transformations of Basic Hypergeometric series" in a peer reviewed refereed Research Journal "Ajanta" with impact factor 6.306, pp 61-64, ISSN 2277-5730, July-September 2022.
- Life Membership of Ramanujan Society of Mathematics and Mathematical Sciences.
- Participated in an online **UGC sponsored Short Term Course on 'Research Methodology' from 08/02/2022 to 15/02/2022** organized by Human Resource Development Centre, Goa University.
- Participated in a two day online national workshop for teacher entitled " research Requisites: Workshop for Teacher" organized by IQAC and Department of English, HR College of Commerce and Economics on 5th and 6th December,2022.
- Participated in One Day Faculty Development Program on "New Amendments in Career Advancement Scheme (CAS) as per the 7th Pay Commission" organized by the CAS Committee along with IQAC under the aegis of RUSA on Saturday, 1st October 2022.
- Recommendation under CAS from Assistant Professor in stage 2 to Assistant Professor in stage 3 accepted as per UGC Notification by Screening Cum Evaluation Committee on 26th April, 2022.

- viii. Successfully completed a Faculty Development Program on 'R Programming' conducted by Meghnad Desai Academy of Economics in Collaboration with Faculty Development Cell, Department of Economics and Research cell of Prahladrai dalmia lions College of Commerce and Economics on 15th October ,2022.
- ix. Participated in one day National Colloquium on 'NEP 2020: Implementation in Higher Education with Special Reference to NAAC' organized by SFC under the Aegis of IQAC on Saturday 4th march,2023.
- x. Invited as a subject expert in Mathematics and statistics for interview held on 17th June, 2022 at S.N College of Arts and Commerce, Bhayander, Thane-401105.
- xi. Appointed as Moderator on 02/01/2023 in the subject of Mathematical and statistical Techniques-I for First Term Examination held in the month of December, 2022 at F.Y.B.Com Level in Smt. K.G.Mittal College, Malad(W), Mumbai-64.
- xii. Appointed as Moderator on 19/04/2023 in the subject of Mathematical and statistical Techniques-II for Second Term Examination held in the month of April, 2023 at F.Y.B.Com Level in Smt. K.G.Mittal College, Malad(W), Mumbai-64.
- xiii. Appointed as Moderator on 20/10/2022 in the subject of Mathematical and statistical Techniques-I for First Term Examination held in the month of November, 2022 at F.Y.B.Com Level in Ghanshyamdas Saraf College, Malad(W), Mumbai-64.
- xiv. Appointed as Moderator on 15/04/2023 in the subject of Mathematical and statistical Techniques-II for Second Term Examination held in the month of March, 2023 at F.Y.B.Com Level in Ghanshyamdas Saraf College, Malad(W), Mumbai-64.
- xv. Appointed as Moderator on 24/04/2023 in the subject of Mathematical and statistical Techniques-II for Second Term Examination held in the month of March, 2023 at F.Y.B.Com Level in G.N.Khalsa College of Arts, Science and Commerce(Autonomous), Matunga.
- xvi. Participated in an online course on "Course For Preparing & Uploading NAAC Documents" from 5th April to 27th April, 2023 organized by IQAC Cluster and White Code

2. Prof.Sandeep Gupta:

- i. Successfully completed a Faculty Development Program on 'R Programming' conducted by Meghnad Desai Academy of Economics in Collaboration with Faculty Development Cell, Department of Economics and Research cell of Prahladrai Dalmia lions College of Commerce and Economics on 15th October ,2022.
- ii. Participated in one day National Colloquium on 'NEP 2020: Implementation in Higher Education with Special Reference to NAAC' organized by SFC under the Aegis of IQAC on Saturday 4th march,2023.

3. Akshata Pawar :

- i. Worked as "Joint coordinator" in inter-collegiate fest "Dalmia Lions Utsav 2022-23", where 32 events were organized in different departments of Fine Arts,Performing Arts, Film Festival Management, Literary Arts.

- ii. Worked in TYBCom Exam Committee as a member, in which analyzed TYBCom Result and prepared reports.
- iii. Worked as a member of the Feedback committee. were prepared feedback forms of Mentor Mentee, Teachers feedback, Parents feedback and feedback on curriculum. Also analyzed above feedback.
- iv. Worked in the Attendance Committee of SYBCom as member where data entered as well as prepared Defaulter list for each month for academic year 2022-23.
- v. Worked as a member of the Cultural Committee, which sent students for various events organized by different colleges.
- vi. Worked as a member of the Women Development Cell, in which organized One day workshop on Self Defense. Also celebrated Women Day in association with Lions club.
- vii. Worked in the Website Development Committee as a member. Actively participated in a one day workshop on “R Programming” organized by Faculty Development Cell, Dept of Economics & Research Centre.
- viii. Participated in Seminar on “Union Budget” conducted on 7th February, 2023 by Dept of Accountancy.
- ix. Participated in Workshop on “Gender Responsive Budgeting” conducted on 16th March, 2023 by Dept of Economics and FC.
- x. Actively participated in Two days workshop on “Research Requisites - Workshop for Teachers” conducted by H. R. College on 6th December, 2022.
- xi. Went as a subject expert and Moderator to J.M. Patel College
- xii. Went as a subject expert and Moderator to Ghanshyamdas Saraf College
- xiii. Went as a subject expert and Moderator to Ghanshyamdas Saraf College.

Harshada More:

- i. Member of UMIC committee.
- ii. Member of Cultural committee.
- iii. Member of Attendance committee.
- iv. Member of Women Development Cell.
- v. Attended workshop on ‘55 th Youth festival of University of Mumbai’ organized at L. R. Tiwari college on 11 th July 2022.
- vi. Attended workshop on ‘R programming’ organized by Faculty Development Cell, Dept. of Economics & Research center of Prahladrai Dalmia Lions College on 15 th October 2022.
- vii. Attended seminar on ‘Union budget’ organized by Dept. of Accountancy of Prahladrai Dalmia Lions College on 7 th February 2023.
- viii. Attended workshop on ‘Gender responsive budgeting’ organized by Dept. of Economics & Foundation course of Prahladrai Dalmia Lions College on 16 th March 2023.
- ix. Attended workshop on ‘One day National Colloquium on NEP 2020’ organized by IQAC & SFC of Prahladrai Dalmia Lions College on 4th March 2023.

4. Aditya mahyavanshi:

- i. Attended seminar on 'Indian Parliament and Legislative Procedure' organized by NSS UNIT B-26 of Prahladrai Dalmia Lions College of Commerce and Economics PCGT National Youth Parliament on 11 th Oct 2023.
- ii. Successfully completed Faculty Development Program on 'R-programming' on 15th Oct 2022 conducted by Meghnad Desai Academy of Economics in collaboration with by Faculty Development Cell, Dept. of Economics and Research center of Prahladrai Dalmia Lions College of Commerce & Economics.
- iii. Attended "ONE DAY NATIONAL COLLOQUIUM" on "NEP 2020: IMPLEMENTATION IN HIGHER EDUCATION WITH SPECIAL REFERENCE TO NAAC" organized by Self-Financed Courses under the aegis of IQAC held on 4 th march 2023
- iv. Attended workshop on 'Gender Responsive Budgeting' organize by Dept. of Economics & FC of Prahladrai Dalmia Lions College of Commerce & Economics on 16 th March 2023.
- v. **Worked as a member of NSS, Attendance Committee, Website Committee, Feedback Committee**

5. Rohan Yadav:

- i. Participated and secured "AIR 7" in National Level Essay Competition for professors organized by Hinduja college in Nov 2022.
- ii. Attended workshop "One day National Colloquium on NEP 2020." on 4th March 2023.
- iii. Attended Seminar on " Union Budget" on 7th Feb 2023.
- iv. Worked in registration committee in inter-college competition "DLU 2022"
- v. Worked as teacher incharge in Stand up committee in College annual day 2022.
- vi. Worked as a member of DLLE, Incubation Cell, Attendance Committee, Placement Committee, Website Committee, Feedback Committee.

6. Contribution to Eco-friendly Theme:

The department also took measures to cut on paper use by sharing soft copies of the tutorials and Lecture notes on Google Classroom.

Dr.Jayprakash Yadav
Head,
Department of Mathematics & Statistics