DEPARTMENT OF B.SC. MATHEMATICS, STATISTICS & COMPUTER SCIENCE

DEPARTMENTAL REPORT

ACADEMIC YEAR 2022 - 23

LOYOLA ACADEMY, DEGREE & PG COLLEGE

ABOUT THE DEPARTMENT

The Department of B.Sc. Mathematics, Statistics & Computer Science is a multidisciplinary course with three major subjects Mathematics, Statistics and Computer Science started in the year 2007, affiliated to Osmania University (OU). The course focuses on exploring the links between the three subjects. Since the start, course has a high demand where the intake has increased from 40 to 50 students. The syllabus is framed and is revised according to the present industrial needs thus provided with high placement record. The course also offers students to explore their career paths in the field of Mathematics and Statistics wherein the students are encouraged to do higher education in these fields in various reputed institutions across the globe. Well experienced and dedicated faculty are an added advantage to the department who are engaged in student welfare. The bright students are encouraged to participate in various co – curricular activities organised by the college. The weaker students are counselled and provides encouragement to perform their best in their examinations. The students are monitored at constant intervals and are guided as per their interest. The department looks at the overall development of the students and encourages them to participate in events conducted by various cells and clubs of the college.

STAFF ACHIEVEMENTS

PAPER PUBLICATIONS

1. Ms. P. Anjusree Krishnan published a paper titled “Hydrodynamics of an OWC Device in irregular Incident Waves Using RANS Models” in the journal titled “Fluid Dynamics – Wave Structure Interaction” on 11 January 2023; Fluids 2023, 8, 27. https://doi.org/10.3390/fluids8010027
2. Dr. K. Vijaya Lakshmi published a research paper on “The Beanstalk – A Study in Data and Analysis” in UGC- CARE Journal Juni Khyat Vol-12 Issue-12 No.02, December 2022, ISSN No. 2278-4632.
3. Dr. K. Vijaya Lakshmi published a research paper on “Students Live Behavior Monitoring In Online classes Using Artificial Intelligence” in UGC- CARE Journal Dogo Rangsang Research, Journal, Vol-12, Issue-12, No. 03, December 2022 with ISSN No. 2347-7180.

4. Dr. K. Vijaya Lakshmi published a research paper on "Prediction of Crypto currency Prices Using Seasonal and Autoregressive Integrated Moving Averages" in UGC-CARE Journal Juni Khyat Vol-12 Issue-12 No.02, December 2022, ISSN No. 2278-4632.
5. Mrs. P. Naga Durga published a paper titled "Prediction of cryptocurrency prices using seasonal and Autoregressive integrated Moving averages" in December 2022, Vol: 12, Issue: 12, No. 3, with ISSN Number: 2278 – 46 – 32, in Juni Khyat (UGC Care Group I listed Journal.
6. Mrs. R. Madhavi published a paper titled "Influence of Awareness and attitude on investors behaviour towards health-oriented benefit funds in Hyderabad" in Design Engineering publication, Scopus indexed journal with ISSN: 0011; Issue: 1.
7. Published a paper on "A study on the Impact of Mental Health in Students & Parents During Covid – 19 Pandemic" in Basic trends in Informatics journal during 2022 with ISBN Number: 978 – 93 – 93259 – 67 – 7.
8. Mrs. P. Naga Durga published a paper titled "Statistical Nature of the Reading Culture in Loyola Academy" in Basic trends in Informatics journal during 2022 with ISBN Number: 978 – 93 – 93259 – 67 – 7.
9. Ms. P. Anjusree Krishnan published a paper titled "Computerised artificial Intelligence for Real – Life Assistance – NOVA" in Basic trends in Informatics journal during 2022 with ISBN Number: 978 – 93 – 93259 – 67 – 7.
10. Ms. Kakani Ketana published a paper titled "A Model for Blood Flow in Human Femoral Arteries" in the proceedings of International Conference on Advances in Transport Phenomena (ITCAP – 2022)" held during 16 – 18 July 2022, organized by School of Advanced Sciences, VIT – AP University published by Open Book Publisher with ISBN Number: 978 – 81 – 952903-0-7.

PAPER PRESENTATIONS

1. Dr. K. Vijaya Lakshmi presented a paper titled "Student's live behavior monitoring in online class using AI" at the international multidisciplinary conference on Emerging technologies IMOCET-2022 organized by School of Informatics, Loyola Academy from 21 - 25 November 2022.
2. Dr. K. Vijaya Lakshmi presented a paper on "recreation in Mathematics: Puzzles of famous Mathematicians" at NSSTSD – 2022, held during 2 – 3 September 2022 organized by Faculty of Sciences, Dr. B. R. Ambedkar Open University, Hyderabad.

BOOK PUBLICATIONS

1. Dr. K. Vijaya Lakshmi published 5 chapters in the "Real Analysis" book, by MAANU publishers.
2. Dr. K. Vijaya Lakshmi published 8 chapters in "Numerical Analysis" book, by MAANU publishers.

FACULTY DEVELOPMENT PROGRAM (FDP)

1. Ms. Kakani Ketana participated in the Faculty Development Program - FDP on "Artificial Intelligence" under TechSaksham Program from 28 November 2022 to 2 December 2022 organized by TecSaksham in collaboration with Microsoft, Edunet, SAP.
2. Ms. Bindu Babu participated in a Five Day FDP on "Yoga for Happy Living" in collaboration with IQAC, Loyola Academy held during 7 – 11 November 2022.
3. Mrs. R. Madhavi attended an online short – term course on "Machine learning Deep Learning and Computer Vision" conducted by the department of CSE, MCET in association with CCE, NITW during 26 – 30 September 2022.
4. Mrs. R. Madhavi attended one week FDP on "Goal Oriented Financial Planning and Investment strategies for Individuals" held during 22 – 26 August 2022, organized by School of Management, Bhagwan Parshuram Institute of Technology, New Delhi.
5. Mrs. P. Naga Durga participated in training program "Embedded Systems & Raspberry Pi Pico Based Project Ideas during 1 August 2022 to 15 August 2022 organised by The National Small Industries Corporation Ltd., technical Service Centre, Hyderabad.

SEMINAR/ WORKSHOPS/ CONFERENCES:

1. Ms. Kakani Ketana participated in NAAC sponsored 15th National IQAC Conference (I – Con) on Revising Quality in Higher Education organised by IQAC, Kristu Jayanti College, Bengaluru on 16 – 17 March 2023.
2. Ms. Kakani Ketana participated in a 5-day international workshop on "Applicable Mathematics for Science and Engineering – Recent Advances (AMSE – 2023) organised by Department of Mathematics, School of Advanced Sciences held at VIT – AP, during 16 – 20 February 2023.

3. Mrs. R. Madhavi participated in the virtual webinar on Education for Human Flourishing organised by Contest 360 on 12 December 2022.
4. Ms. Kakani Ketana participated in a 2 Day International Conference on New Age Education, Leadership and Career held at Loyola Academy, Secunderabad, on 1 – 2 December 2022.
5. Mrs. R. Madhavi participated in an International Level Awareness Program on "PC Security" organised by the department of Computer Science, Bell Institute of Hotel Management & Catering Technology, Sivakasi on 27 November 2022.
6. Mrs. R. Madhavi participated in Financial Awareness Program organised by Centre for Investment Education and Learning in association with BSE Investor Protection Fund held on 23 August 2022.
7. Mrs. R. Madhavi participated in two-day NAAC Sponsored National Level Seminar on "Strategic Planning and Implementation of OBE in NEP – 2020" during 22 – 23 August 2022 organized by IQAC, Methodist College of Engineering & Technology in Collaboration with NNAC.
8. Mrs. R. Madhavi participated in "Tier 2/3/4 Campus Placement Challenges & How to Overcome them" workshop conducted by skill Academy Campus Program on 20 August 2022.
9. Ms. Bindu Babu participated in IP Awareness/ Training Program under National Intellectual Property Awareness Mission, held on 5 July 2022 organised by Intellectual Property Office, India.

PATENTS

1. Mrs. R. Madhavi received patent on "The Impact of Financial Accounting in Decision Making Processes in Business" in the field of Computer Science on 3 February 2023.
2. Published a Patent on "Real time application of Non-linear Partial Differential Equations and Geometric Evolution Equations in Aerospace & Aeronautical Engineering". 28-11-2022.
3. Published a Patent on "Automatic safe Health care system for prediction, Prevention and Diagnosis of all Heart related diseases at early stage using Deep learning, Artificial intelligence and Data Mining techniques", 01-07-2022.

NPTEL

1. Ms. P. Anjusree Krishnan successfully completed a course on “Intellectual Property Rights and Competition Law” during 2022 under NPTEL Faculty Development Program.

OTHER ACHIEVEMENTS

1. Dr. K. Vijaya Lakshmi is the academic Counsellor for M. Sc. Mathematics of Dr. B. R. Ambedkar Open University and taught Topology and Commutative Algebra Courses during the academic year 2022 – 23.
2. Dr. K. Vijaya Lakshmi was nominated as the expert / member of BOS for the department of Mathematics in Dr. B. R. Ambedkar Open University, Hyderabad.
3. Dr. K. Vijaya Lakshmi gave video lectures on “Applications of Differentiation - I” on 4 February 2023; “Applications of Differentiation – II” and “Singular Points – Asymptotes” on 10 February 2023 for undergraduate students in Dr. B. R. Ambedkar Open University, Hyderabad.

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STUDENT ACTIVITIES & ACHIEVEMENTS

Students' community play a major part in the development of the department to a greater height. The department consists of 153 students from all the three years of course. Some of the notable observations are given below.

YEAR	GIRLS STRENGTH	BOYS STRENGTH	TOTAL STRENGTH
I	24	26	50
II	29	22	51
III	26	22	48

CLASS REPRESENTATIVES & ASSISTANT CLASS REPRESENTATIVES

Year	Class Representative		Assistant Class Representative	
	UID Number	Name of the Student	UID Number	Name of the Student
I	111722024008	Koyigura Shresta	111722024021	Repalle Shashi Kumar
II	111721024035	Calwin Joseph	111721024008	D Mamatha
III	111720024003	Boina Sathvika	111720024043	Sanjay R

STUDENT COUNCIL MEMBERS FROM THE DEPARTMENT

- Ms. Manga Anisha Krishna from DMSCS bearing UID Number 111720024012 has been elected as the **'Discipline Head'** in the Student Council for the academic year 2022 – 23.
- Ms. Snigdha Roy from DMSCS bearing UID Number 111720024025 has been elected as the **'Club Head'** in the Student Council for the academic year 2022 – 23.

NCC LIST:

S. No.	Class	UID	Name	Designation
1.	AMSCS	111722024009	Nisha Yadav	Cadet
2.		111722024014	Ada Jayendhra Reddy	Cadet
3.		111722024016	B. Sai Vamshi	Cadet
4.		111722024019	M. John Victor	Cadet
5.		111722024028	D Loknath Goud	Cadet
6.	NMSCS	111721024007	Dasaram Suchitha	Cadet
7.		111721024035	Siddharth Reddy Vummadi	Cadet
8.	DMSCS	111720024002	Avantika	CPL
9.		111720024004	Chettecherla Shanthi Priya	CPL
10.		111720024031	Anson Daniel	SGT
11.		111720024042	Rooshan Hussain	SGT

NCC ACTIVITIES:

1. Ms. Chettecherla Shanthi Priya from DMSCS bearing UID Number 111720024004, ranked as COT participated in Combined Annual Training Camp – IX at Mallareddy Engineering college, Maisammaguda during 27 September 2022 to 4 October 2022.
2. Ms. Chettecherla Shanthi Priya from DMSCS bearing UID Number 111720024004 passed B certificate examination held on 23 July 2022.
3. Mr. Bandi Nikhil Kumar from DMSCS bearing UID Number 111720024033 passed B certificate examination held on 23 July 2022.
4. Mr. Bandi Nikhil Kumar from DMSCS bearing UID Number 111720024033 participated in the Army Attachment Camp held at Mehdipatnam during 22 July 2022 to 31 July 2022.

NSS LIST

S. No.	Class	UID	Name	Designation
1.	AMSCS	111722024010	PALAK MAHAWAR	Volunteer
2.		111722024015	B. SURYA TEJA	Volunteer
3.		111722024017	G. MALLIKARRJUN	Volunteer
4.		111722024024	T. RAJA YOGI	Volunteer
5.	NMSCs	111721024010	K. SRUJANA	Volunteer
6.		111721024011	K. SHIVANI	Volunteer
7.		111721024015	P VANI	Volunteer
8.		111721024042	V. ARJUN	Volunteer
9.		111721024043	Y. GAYATHRI	Volunteer
10.		111721024047	C. SAI KUMAR	Member

MAGIC YOUTH CLUB LIST

S. No	Class	UID	Name	Designation
1.	NMSCS	111721024028	Kshitij Singh	Communication Head

RESONANCE

1. Mr. Kshitij Singh from DMSCS bearing UID Number 111721024028 participated and secured **I position** in Slam Poetry at National Level Resonance 2022 – The Midas Touch.

CERTIFICATE COURSES

S. NO.	UID No.	STUDENT NAME	COURSE NAME
1.	111721024001	Anandesi Sanju Sree	Mehndi
2.	111721024002	Anandi	Creative Writing
3.	111721024003	Annem Esha Rani	Quantitative Techniques & Aptitude Reasoning
4.	111721024004	Arja Nikitha	French Language
5.	111721024005	Bhuvaneswari Koppula	French Language
6.	111721024006	Chennapragada Sailaja	Life Skills for Living
7.	111721024007	Dasaram Suchitha	Spanish
8.	111721024008	D Mamatha	Clay Modelling
9.	111721024009	D Sree Ramya Goud	Life Skills for Living
10.	111721024010	Kali Srujana	Quantitative Techniques & Aptitude Reasoning
11.	111721024011	Kallem Shivani	Life Skills for Living
12.	111721024012	Kondapalli Mrudhula	Quantitative Techniques & Aptitude Reasoning
13.	111721024013	Nidamaluri Hima Bindu	Quantitative Techniques & Aptitude Reasoning
14.	111721024014	Puram Chandana	Quantitative Techniques & Aptitude Reasoning
15.	111721024015	P Vani	Web Programming & Web Designing
16.	111721024016	Samala Madhulika Reddy	Life Skills for Living
17.	111721024017	Shivali Patro	French Language
18.	111721024018	S Ramya Nethra	French Language
19.	111721024019	Tanneru Akila	French Language
20.	111721024020	Aeruva Sai Charan	Basic Home Appliances Technician
21.	111721024021	Ashala Mrunal Chandra	Basic Home Appliances Technician
22.	111721024022	Bhuvanesh Guleria	Karate
23.	111721024023	Calwin Joseph	Chess
24.	111721024024	Chetan Choudhary	Karate
25.	111721024025	Gunda Sai Anirudh	Ethical Hacking
26.	111721024026	Hajjarge Vivek	Calligraphy
27.	111721024027	Katarapu Tarun	Quality assurance & Quality control
28.	111721024028	Kshitij Singh	Clay Modelling
29.	111721024029	Nara Mithin Chakravarthy	Ethical Hacking
30.	111721024030	Pathipati Venkata Sai	Quantitative Techniques & Aptitude Reasoning
31.	111721024031	Pulakaram Krishna Vamshi	Quality assurance & Quality control
32.	111721024032	Rudroju Tejasvini	Quantitative Techniques & Aptitude Reasoning
33.	111721024033	Banala Pranay Reddy	Basic Home Appliances Technician
34.	111721024034	Udagandla Maria Prem Kumar	Creative Writing
35.	111721024035	Siddharth Reddy Vummadi	Airport & Airport operations

36.	111721024036	Koteshwar Reddy Nermati	Web Development & Programming
37.	111721024037	Amarlapudi Johna Alice Crystal	French Language
38.	111721024038	Nayudu Anjali	Ethical Hacking
39.	111721024039	Matsa Vasavi	Yoga
40.	111721024040	P Eshwar	Hip Hop Dance
41.	111721024041	Syed Mohammed Mehdi	French Language
42.	111721024042	Vadaparthi Arjun	Web Development & Programming
43.	111721024043	Yeredla Gayathri	Beautician
44.	111721024044	M K Praneetha	Life Skills for Living
45.	111721024045	Nalgama Sreeja	Ethical Hacking
46.	111721024046	Goundla Tharungoud	Web Development & Programming
47.	111721024047	Chamakura Sai Kumar	Web Development & Programming
48.	111721024048	Mungi Sravani	Quantitative Techniques & Aptitude Reasoning
49.	111721024049	Andreddy Upada	Creative Writing
50.	111721024050	A Gladwin	Desktop & Laptop Repair
51.	111721024051	Duggineni Venkata Neha	French Language

GE COURSES

S. NO.	UID NO.	NAME OF THE STUDENT	COURSE NAME
1	111721024001	Anandesi Sanju Sree	Photography
2	111721024002	Anandi	Communication Skills
3	111721024003	Annem Esha Rani	Accounting
4	111721024004	Arja Nikitha	Principles of Management
5	111721024005	Bhuvaneswari Koppula	Taxation
6	111721024006	Chennapragada Sailaja	Principles of Organic Farming
7	111721024007	Dasaram Suchitha	Solar Processing Management
8	111721024008	D Mamatha	Principles of Insurance
9	111721024009	D Sree Ramya Goud	Principles of Management
10	111721024010	Kali Srujana	Introduction to worksheets
11	111721024011	Kallem Shivani	Career Skills
12	111721024012	Kondapalli Mrudhula	Principles of Food Science, Nutrition & Dietetics
13	111721024013	Nidamaluri Hima Bindu	Principles of Information Security
14	111721024014	Puram Chandana	Taxation
15	111721024015	P Vani	Principles of Management
16	111721024016	Samala Madhulika Reddy	Psychology for Living
17	111721024017	Shivali Patro	Creative Arts
18	111721024018	S Ramya Nethra	Communication Skills
19	111721024019	Tanneru Akila	Banking
20	111721024020	Aeruva Sai Charan	GST
21	111721024021	Ashala Mrunal Chandra	GST

22	111721024022	Bhuvanesh Guleria	Psychology for Living
23	111721024023	Calwin Joseph	Photography
24	111721024024	Chetan Choudhary	Creative Arts
25	111721024025	Gunda Sai Anirudh	Accounting
26	111721024026	Hajjarge Vivek	Financial Markets
27	111721024027	Katarapu Tarun	GST
28	111721024028	Kshitij Singh	Creative Arts
29	111721024029	Nara Mithin Chakravarthy	Taxation
30	111721024030	Pathipati Venkata Sai	Principles of Information Security
31	111721024031	Pulakaram Krishna Vamshi	GST
32	111721024032	Rudroju Tejasvini	Creative Arts
33	111721024033	Banala Pranay Reddy	Principles of Management
34	111721024034	Udagandla Maria Prem Kumar	Food Processing & Quality Control
35	111721024035	Siddharth Reddy Vummadi	Solar Processing Management
36	111721024036	Koteshwar Reddy Nermati	Marketing Management
37	111721024037	Amarlapudi Johna Alice Crystal	Banking
38	111721024038	Nayudu Anjali	PC Hardware & Software installation
39	111721024039	Matsa Vasavi	Principles of Food Science, Nutrition & Dietetics
40	111721024040	P Eshwar	Film appreciation
41	111721024041	Syed Mohammed Mehdi	Operating systems
42	111721024042	Vadaparthi Arjun	Banking
43	111721024043	Yeredla Gayathri	Repair and Maintenance of Home Appliances
44	111721024044	M K Praneetha	Career Skills
45	111721024045	Nalgama Sreeja	PC Hardware & Software installation
46	111721024046	Goundla Tharungoud	Marketing Management
47	111721024047	Chamakura Sai Kumar	Banking
48	111721024048	Mungi Sravani	Introduction to worksheets
49	111721024049	Andreddy Upada	Marketing Management
50	111721024050	A Gladwin	Taxation
51	111721024051	Duggineni Venkata Neha	Principles of Organic Farming

NPTEL COURSES

NMSCS

S. No.	UID	Name of the student	Title of the Course
1.	111721024002	Anandi	Entrepreneurship and IP Strategy
2.	111721024002	Anandi	Soft Skills for Business Negotiations and Marketing Strategies
3.	111721024003	Annem Esha Rani	Speaking Effectively
4.	111721024004	Arja Nikitha	Developing Soft Skills & Personality
5.	111721024005	Bhuvaneswari Koppula	Introduction to Psychology

6.	111721024009	D Sree Ramya Goud	Speaking Effectively
7.	111721024010	Kali Srujana	Business Statistics
8.	111721024011	Kallem Shivani	Speaking Effectively
9.	111721024012	Kondapalli Mrudhula	Developing Soft Skills & Personality
10.	111721024013	Nidamaluri Hima Bindu	Speaking Effectively
11.	111721024014	Puram Chandana	Business Statistics
12.	111721024015	P Vani	Speaking Effectively
13.	111721024017	Shivali Patro	Developing Soft Skills & Personality
14.	111721024018	S Ramya Nethra	Speaking Effectively
15.	111721024019	Tanneru Akila	Business Statistics
16.	111721024020	Aeruva Sai Charan	Speaking Effectively
17.	111721024021	Ashala Mrunal Chandra	Speaking Effectively
18.	111721024025	Gunda Sai Anirudh	Speaking Effectively
19.	111721024028	Kshitij Singh	Speaking Effectively
20.	111721024029	Nara Mithin Chakravarthy	Developing Soft Skills & Personality
21.	111721024030	Pathipati Venkata Sai	Speaking Effectively
22.	111721024032	Rudroju Tejasvini	Speaking Effectively
23.	111721024034	Udagandla Maria Prem Kumar	Speaking Effectively
24.	111721024035	Siddharth Reddy Vummadi	Developing Soft Skills & Personality
25.	111721024036	Koteshwar Reddy Nermati	Speaking Effectively
26.	111721024037	Amarlapudi Johna Alice Crystal	Speaking Effectively
27.	111721024038	Nayudu Anjali	Speaking Effectively
28.	111721024039	Matsa Vasavi	Developing Soft Skills & Personality
29.	111721024041	Syed Mohammed Mehdi	Developing Soft Skills & Personality
30.	111721024042	Vadaparthi Arjun	Speaking Effectively
31.	111721024044	M K Praneetha	Speaking Effectively
32.	111721024045	Nalgama Sreeja	Speaking Effectively
33.	111721024046	Goundla Tharun Goud	Speaking Effectively
34.	111721024047	Chamakura Sai Kumar	Speaking Effectively
35.	111721024048	Mungi Sravani	Business Statistics
36.	111721024050	A Gladwin	Developing Soft Skills & Personality
37.	111721024051	Duggineni Venkata Neha	Developing Soft Skills & Personality

DMSCS

S. No.	UID	Name of the student	Title of the Course
1.	111720024001	A Meghana	Soft Skills
2.	111720024002	Avantika	Indian Economy: Some Contemporary Perspectives
3.	111720024003	Boina Sathvika	Cloud Computing
4.	111720024004	Chettecherla Shanthi Priya	Object Oriented Analysis & Design
5.	111720024005	Chopparapu Divya Lakshmi Mani Chandana	Data Science for Engineers
6.	111720024006	Gudise Hima Bindhu	Soft Skills

7.	111720024007	Jangam Devika	Data Science for Engineers
8.	111720024008	J Prathima	Developing Soft Skills & Personality
9.	111720024009	Kamasani Keerthana	Soft Skill Development
10.	111720024010	Kancharana Jhansi	Developing Soft Skills & Personality
11.	111720024011	Kuntala Keerthana	Enhancing Soft Skills & Personality
12.	111720024012	Manga Anisha Krishna	Soft Skills Development
13.	111720024013	Muthukuri Divya Sree	Introduction to Machine Learning
14.	111720024014	Muvva Varsha Chowdary	Developing Soft Skills & Personality
15.	111720024015	Parvathapuram Jyothika	Enhancing Soft Skills & Personality
16.	111720024016	Peddi Lavanya	Soft Skills Development
17.	111720024018	Ramabhotla Sai Lakshmi Prasanna	Introduction to Japanese Language & Culture
18.	111720024019	Ramabhotla Surya Lakshmi	Enhancing Soft Skills & Personality
19.	111720024020	Rayapati Vidhya	Soft Skill Development
20.	111720024021	Rodda Sathvika Teja	Environment & Development
21.	111720024022	Rudroju Bhumika	Data Science for Engineers
22.	111720024022	Rudroju Bhumika	Soft Skills Development
23.	111720024023	Sankepalli Manasa	Soft Skill Development
24.	111720024024	Siddula Harshitha	Cloud Computing
25.	111720024024	Siddula Harshitha	Soft Skills Development
26.	111720024025	Snigdha Roy	Introduction to Japanese Language & Culture
27.	111720024026	V Sravani	Enhancing Soft Skills and Personality
28.	111720024027	A Chandu	Enhancing Soft Skills & Personality
29.	111720024028	Aditya Kumar Chaturvedi	Developing Soft Skills & Personality
30.	111720024029	Ala Aravind Reddy	Computer Graphics
31.	111720024030	Anand Singh	Soft Skill Development
32.	111720024031	Anson Daniel	Body Language: A Key to Professional Success
33.	111720024033	Bandi Nikhil Kumar	Cloud Computing
34.	111720024034	Bijjala Akshay Kumar	Soft Skills Development
35.	111720024036	Ganji Himanshu	Soft Skills Development
36.	111720024037	Gorakala Venkatesh	Soft Skills Development
37.	111720024038	Kasala Bharadwaj	Developing Soft Skills & Personality
38.	111720024039	Paila Bhaskar Reddy	Developing Soft Skills & Personality
39.	111720024040	Parth Chaturvedi	Project Management
40.	111720024042	Rooshan Hussain	Developing Soft Skills & Personality
41.	111720024043	Sanjay R	Soft Skill Development
42.	111720024044	Shaik Asad	Soft Skill Development
43.	111720024045	Shaik Ibrahim	Digital Skilling
44.	111720024047	Sukumaran Ganesh	Soft Skills Development
45.	111720024048	Vadla Sai Nikhil	Geomorphic Processes: Landforms and Landscapes
46.	111720024049	Yadala Vijay Sunand	Environment & Development
47.	111720024050	Balla Pravalika	Soft Skills & Personality Development

OTHER ONLINE COURSES – OTHER THAN NPTEL

1. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Data Science Capstone offered by Johns Hopkins University through Coursera on 1 February 2023.
2. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Reproducible Research offered by Johns Hopkins University through Coursera on 25 January 2023.
3. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Getting and Cleaning Data offered by Johns Hopkins University through Coursera on 23 January 2023.
4. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Exploratory Data Analysis offered by Johns Hopkins University through Coursera on 22 January 2023.
5. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on The Data Scientist's Toolbox offered by Johns Hopkins University through Coursera on 22 January 2023.
6. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Practical Machine Learning offered by Johns Hopkins University through Coursera on 20 January 2023.
7. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Developing Data Products offered by Johns Hopkins University through Coursera on 15 January 2023.
8. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Statistical Inference offered by Johns Hopkins University through Coursera on 7 January 2023.
9. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Regression Models offered by Johns Hopkins University through Coursera on 7 January 2023.
10. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on R Programming offered by Johns Hopkins University through Coursera on 6 January 2023.

11. Ms. Boina Sathvika from DMSCS bearing UID Number 111720024003 successfully completed a course on Technology virtual Experience Program on 28 November 2022, organised by Forage in collaboration with Deloitte.
12. Mr. Ganji Himanshu from DMSCS bearing UID Number 111720024036 successfully completed training in the course "Embedded Systems & Raspberry Pi Pico Based Project Ideas during 1 August 2022 to 15 August 2022 and secured **A1 Grade** organised by The National Small Industries Corporation Ltd., technical Service Centre, Hyderabad.
13. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Process Data from Dirty to Clean offered by Google through Coursera on 13 August 2022.
14. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on TCS iON career Edge – Young Professional offered by TCS iON, TCS on 10 August 2022.
15. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Foundations: Data, Data, everywhere offered by Google through Coursera on 10 August 2022.
16. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Data Analysis with R Programming offered by Google through Coursera on 9 August 2022.
17. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Share Data through the Art of Visualization offered by Google through Coursera on 9 August 2022.
18. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Prepare data for Exploration offered by Google through Coursera on 8 August 2022.
19. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Analyse Data to Answer Questions offered by Google through Coursera on 8 August 2022.
20. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Ask Questions to Make Data – Driven Decisions offered by Google through Coursera on 6 August 2022.

21. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Google Data Analytics Capstone: Complete a Case Study offered by Google through Coursera on 2 August 2022.
22. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on IBM Data Science offered by IBM through Coursera on 19 July 2022.
23. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Python Project for Data Science offered by IBM through Coursera on 18 July 2022.
24. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Data Analysis with Python offered by IBM through Coursera on 18 July 2022.
25. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Database and SQL for Data Science with Python offered by IBM through Coursera on 18 July 2022.
26. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Python for Data Science, AI & Development offered by IBM through Coursera on 18 July 2022.
27. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Data Visualization with Python offered by IBM through Coursera on 18 July 2022.
28. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Data Science Methodology offered by IBM through Coursera on 16 July 2022.
29. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Tools for Data Science offered by IBM through Coursera on 16 July 2022.
30. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Machine Learning with Python offered by IBM through Coursera on 16 July 2022.
31. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Applied Data Science Capstone offered by IBM through Coursera on 16 July 2022.

32. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on What is Data Science offered by IBM through Coursera on 16 July 2022.
33. Ms. Ramabhotla Surya Lakshmi from DMSCS bearing UID Number 111720024019 successfully completed a course on "Artificial Intelligence" from 1 July 2022 to 31 August 2022 organised by SmartKnower – Stay ahead of the Curve.
34. Mr. Bandi Nikhil Kumar from DMSCS bearing UID Number 111720024033 successfully completed course on Data Science during 1 July 2022 to 31 August 2022 organised by SmartKnower – Stay Ahead of the Curve.
35. Ms. Peddi Lavanya from DMSCS bearing UID Number 111720024016 successfully completed 7 – days Bootcamp on Arrays and Linked Lists with C++ organised by Devtown in collaboration with Microsoft Learn.
36. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed a course on Artificial Intelligence from 1 June 2022 to 31 July 2022 organised by SmartKnower – Stay Ahead of the Curve.
37. Mr. Sukumaran Ganesh from DMSCS bearing UID Number 111720024047 successfully completed the course on "Graphic Designing" during 1 June 2022 to 31 July 2022 organised by Verzeo.
38. Ms. Muthukuri Divya Sree from DMSCS bearing UID Number 111720024013 participated in the Webinar on Vehicle architecture Settings, organised by Verzeo on 6 June 2022.

INTERNSHIP

1. Ms. Arja Nikitha from NMSCS bearning UID Number 111721024004 successfully completed Voice4Girls internship at Bhrachalam sector from 26 March 2023 to 5 February 2023 as a Counsellor at Bhadrachalam.
2. Mr. Sukumaran Ganesh from DMSCS bearing UID Number 111720024047 successfully completed the internship program on "UI Developer" from Aakruthi software Solutions Pvt. Ltd. during 04 – 14 January 2023.
3. Mr. Anson Daniel from DMSCS bearing UID number 111720024031 successfully completed Voice4Girls internship at Cherial as Field Coordinator from 9 December 2022 to 24 December 2022 at Cherial.

4. Mr. Kasala Bharadwaj from DMSCS bearing UID number 111720024038 successfully completed Voice4Girls internship as a Counsellor at Lingal from 9 December 2022 to 24 December 2022 at Cherial.
5. Ms. Chettecherla Shanthi Priya from DMSCS bearing UID Number 111720024004 successfully completed an Internship Program on "Machine Learning with Python" from 1 July 2022 to 31 August 2022 organised by Verzeo.
6. Ms. Chopparapu Divya Lakshmi Mani Chandana from DMSCS bearing UID Number 111720024005 successfully completed internship program in Graphic Designing from Aashman Foundation during August 2022 to November 2022 with **3-star performance**.
7. Ms. Muvva Varsha Chowdary from DMSCS bearing UID Number 111720024014 successfully completed the Community Manager – Internship Program organised by Nblik for a duration of 100 day held from 01 July 2022.
8. Ms. Peddi Lavanya from DMSCS bearing UID Number 111720024016 successfully completed internship program on Data Science from 1 June 2022 to 31 July 2022 organised by SmartKnower – Stay Ahead of the Curve.
9. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 successfully completed internship program on Artificial Intelligence from 1 June 2022 to 31 July 2022 organised by SmartKnower – Stay Ahead of the Curve.
10. Ms. Chettecherla Shanthi Priya from DMSCS bearing UID Number 111720024004 completed her internship with Voice4Girls during 15 June 2022 to 30 June 2022 as a Camp Counsellor at Ankempallem.
11. Ms. Ramabhotla Sai Lakshmi Prasanna from DMSCS bearing UID Number 111720024018 completed her internship with Voice4Girls during 15 June 2022 to 30 June 2022 as Field Coordinator at Ulvanuru.
12. Ms. Rodda Sathvika Teja from DMSCS bearing UID Number 111720024021 completed her internship with Voice4Girls during 15 June 2022 to 30 June 2022 as a Camp Counsellor at Ankempallem.
13. Ms. V Sravani from DMSCS bearing UID Number 111720024026 completed her internship with Voice4Girls during 15 June 2022 to 30 June 2022 as a Camp Counsellor at Ankempallem.
14. Ms. Kancharana Jhansi from DMSCS bearing UID Number 111720024010 successfully completed an internship program on Machine Learning with Python during 1 June 2022 to 31 July 2022 organised by Verzeo.

15. Mr. Sukumaran Ganesh from DMSCS bearing UID Number 111720024047 successfully completed internship on "Graphic Designing" during 1 June 2022 to 31 July 2022 organised by Verzeo.
16. Ms. Balla Pravalika from DMSCS bearing UID Number 111720024050 successfully completed an internship program on Machine Learning with Python during 1 June 2022 to 31 July 2022 organised by Verzeo.

INTER COLLEGE COMPETITIONS/ EVENTS

1. Mr. Siddharth Reddy Vummadi from NMSCS bearing UID Number 111721024035 participated and won first prize in the competition "Business Quiz" at Samanvay organised by Siva Sivani Institute of Management, Secunderabad held on 24 and 25 January 2023.
2. Ms. Palak Mahawar from AMSCS bearing UID Number 111722024010 participated in the event "To Be or Not To Be" for Yuvaflare 2022 organised by St. Francis College For Women, Begumpet held on 27 September 2022.

INTRA COLLEGE COMPETITIONS/EVENTS

1. Ms. Boina Sathvika from DMSCS bearing UID Number 111720024003 participated in the Quiz competition conducted by the department of B.Sc. Computer Data Science and Data Analytics Engineering, Loyola Academy, Hyderabad held on 2 March 2023.
2. Ms. Muvva Varsha Chowdary from DMSCS bearing UID Number 111720024014 participated in the Quiz competition conducted by the department of B.Sc. Computer Data Science and Data Analytics Engineering, Loyola Academy, Hyderabad held on 2 March 2023.
3. Mr. Kasala Bharadwaj from DMSCS bearing UID Number 111720024038 participated in the Quiz competition conducted by the department of B.Sc. Computer Data Science and Data Analytics Engineering, Loyola Academy, Hyderabad held on 2 March 2023.
4. Mr. Sukumaran Ganesh from DMSCS bearing UID Number 111720024047 participated in the Quiz competition conducted by the department of B.Sc. Computer Data Science and Data Analytics Engineering, Loyola Academy, Hyderabad held on 2 March 2023.
5. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 participated in the competition titled "Rebus Puzzle" during Technovaganza organised by the department of B.Sc. Computer Science & Engineering, Loyola Academy held on 21 February 2023.

6. Ms. Anandi from NMSCS bearing UID Number 111721024002 participated in the competition titled "Break the Query" and secured **III position** during Technovaganza organised by the department of B.Sc. Computer Science & Engineering, Loyola Academy held on 21 February 2023.
7. Ms. Avantika from DMSCS bearing UID Number 111720024002 participated in the International Conference on Emerging Technologies IMCOET 2022 held during 21- 25 November 2022 at Loyola Academy, Secunderabad.
8. Ms. Chettecherla Shanthi Priya from DMSCS bearing UID Number 111720024004 participated in the International Conference on Emerging Technologies IMCOET 2022 held during 21- 25 November 2022 at Loyola Academy, Secunderabad.
9. Ms. Muvva Varsha Chowdary from DMSCS bearing UID Number 111720024014 participated in the International Conference on Emerging Technologies IMCOET 2022 held during 21- 25 November 2022 at Loyola Academy, Secunderabad.
10. Ms. Ramabhotla Sai Lakshmi Prasanna from DMSCS bearing UID Number 111720024018 participated in the International Conference on Emerging Technologies IMCOET 2022 held during 21- 25 November 2022 at Loyola Academy, Secunderabad.
11. Mr. R. Sanjay from DMSCS bearing UID Number 111720024043 participated in the International Conference on Emerging Technologies IMCOET 2022 held during 21- 25 November 2022 at Loyola Academy, Secunderabad.
12. Mr. Sukumaran Ganesh from DMSCS bearing UID Number 111720024047 participated in the International Conference on Emerging Technologies IMCOET 2022 held during 21- 25 November 2022 at Loyola Academy, Secunderabad.
13. Ms. Sakshi Pandey from AMSCS bearing UID Number 111722024012 participated and presented her ideas on lighting on National Innovation Day organised by IQAC, and Institutions Innovation Council Loyola Academy, Secunderabad, dated 19 October 2022.
14. Ms. Anandi from NMSCS bearing UID Number 111721024002 participated in the event Creative Writing and secured **II Position**, a National level workshop on Comprehensive Growth through Skill Enhancement Courses held during 15 – 16 September 2022, organised by Skill Enhancement, Loyola Academy, Secunderabad in collaboration with TWG International.
15. Ms. Annem Esha Rani from NMSCS bearing UID Number 111721024003 participated in the event Quantitate Aptitude and Reasoning, a National level workshop on Comprehensive Growth through Skill Enhancement Courses held during 15 – 16 September 2022, organised

by Skill Enhancement, Loyola Academy, Secunderabad in collaboration with TWG International.

MTTS

The department of B.Sc. Mathematics, Statistics & Computer Science encourages students to participate in Mathematics Training & Talent Search Programme (MTTS) which is organised by MTTS Trust and funded by National Board for Higher Mathematics (NBHM). This course is offered to undergraduate/ post graduate students with a duration of one to four weeks throughout year in different locations.

In the academic year 2022 – 2023, one student participated in the programme which was held for a duration of three weeks. The details of students participated in the programme are given below.

1. Ms. Ramabhotla Surya Lakshmi from DMSCS bearing UID Number 111720024019 participated in the O Level Programme of MTTS held at Indian Institute of Science Education and Research, Kolkata from 13 June 2022 to 9 July 2022.

SPORTS

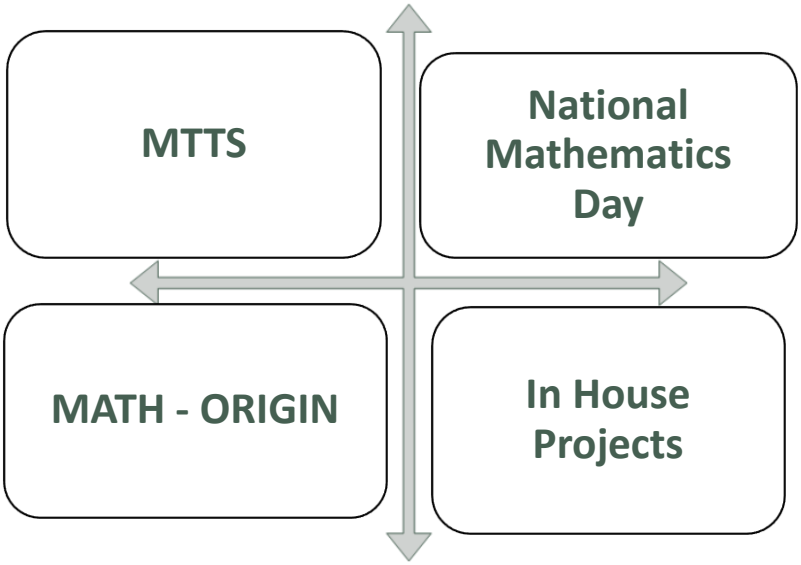
1. Ms. Ms. Chopparapu Divya Lakshmi Mani Chandana from DMSCS bearing UID Number 111720024005 participated and **scored I place** in District Level Kabaddi Tournament for Under 19 Category organised by Sports Promotion Organization, Madhura charitable Trust at Uppal Municipal, Medchal District during 18 – 19 September 2022.

DEPARTMENTAL ACTIVITIES

The Department of B.Sc. Mathematics, Statistics & Computer Science is a three - year undergraduate programme which offers students an opportunity to specialize in the fields of Mathematics, Statistics & Computer Sciences. The department consists of 8 faculty members and153 students comprising all the three years.

DEPARTMENTAL DISTINCTIVENESS

The department organises Math – Origins, National Mathematics Day and encourages students for MTTS programme and students perform in – house Projects every year in their final semester.



DISTINCTIVENESS OF THE DEPARTMENT

EVENTS HELD IN THE DEPARTMENT

REPORT ON NATIONAL STATISTICS DAY 2022

National Statistics Day is observed in India on June 29 each year. The day aims to raise public awareness of the value of statistics in everyday life as well as in planning and development process. The celebrated Statistician, Professor Prasanta Chandra Mahalanobis, is recognized on National Statistics Day for his contributions to economic planning and statistics. Additionally, the Indian Statistical Institute's Founder, Professor P.C. Mahalanobis celebrates his birthday on 29 June. The theme of National Statistics Day 2022 is '**Data for Sustainable Development**'.

The department of B.Sc. Mathematics, Statistics & Computer Science conducted National Statistics Day on 29th June 2022 in Loyola Hall from 11:00 A.M. to 5:00 P.M. The chief guest of the day was Prof. V. Hara Gopal, Director (AI & ML), Aizen Algo Pvt. Ltd.

The event began with lighting of lamp by Rev. Fr. Dr. L. Joji Reddy SJ, Principal of Loyola Academy, Prof. V. Hara Gopal, Chief guest, Dr. K. Rama, IQAC Co - Ordinator, Dr. Vijaya Lakshmi, Dean of Research, Dr. P. Tiruapathi, Dean of Sciences and Ms. K. Ketana, HOD. The deans and HODs of various other departments came to witness the event and a total of 200 students were present in the hall.

Rev. Fr. Dr. L. Joji Reddy SJ welcomed the speaker and addressed the gathering. Ms. K. Ketana read the report of the department and Dr. K. Rama shared her thoughts about the relevance of statistics in emerging times. Prof. V. Hara Gopal gave a detailed lecture about the relevance of statistics in different fields and the need to learn statistics. He also spoke about the different aspects of statistics and different research techniques that can be implemented. The formal even concluded with vote of thanks. The students under the initiation of Mrs. P. Naga Durga showcased various statistical models and charts. Prof. V. Hara Gopal apricated students and staff for preparing such wonderful models. He also gave some of the valuable suggestions for the improvement of the models.

The informal events were planned by students and the faculty. The first event was Quiz based on statistics & its applications. The students of CDS and B.Com. Computers, B.Com. Business Analytics actively participated. A total of 9 groups with 3 participants each participated in this event.

The second event was poster making and the final event was game named "**I Dare you to reach the End**". Students from B.Sc. Computer Data Science & Data Analytics

Engineering, B.Sc. Biotechnology, and B.Com. Computers actively participated in the event and enjoyed it. The feedback for the game was good. The students enjoyed and they shared that they had an amazing experience where they had to use their aptitude, statistics knowledge at the same time to march towards the end point. The students of B.Sc. Mathematics, Statistics & Computer Science, B.Sc. Computer Data Science & Data Analytics Engineering, B.Sc. Biotechnology participated in the cultural activities like singing, dancing, stand-up comedy and entertained the audience.

The informal event winded up with the valedictory function. The Dean of Academics Dr. Suchitra Naidu gave the prizes to the winners of the events.

Outcome Of the Event:

- To popularize the use of statistics in everyday life and to make the public know how statistics helps in shaping and framing policies.
- This day mark the birth anniversary of Professor P.C. Mahalanobis whose contributions in the field of statistics and economics are invaluable.
- To raise awareness especially among the younger generation about the role of statistics in socio-economic planning.

Analysis of the Feedback for National Statistics Day

S. No	Event Name	Feedback Score
1	**Quiz**	85%
2	**Game**	85%
3	**Poster Making**	64%
4	**Overall**	82%

Gallery:



FIGURE 1: REV. FR. DR. L. JOJI REDDY SJ, PRINCIPAL OF LOYOLA ACADEMY ADDRESSING THE GATHERING

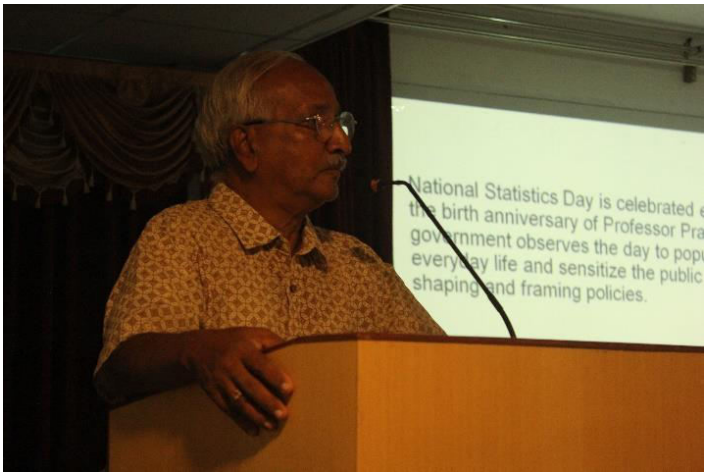


FIGURE 2: PROFESSOR V. HARA GOPAL, CHIEF GUEST FOR THE EVENT ADDRESSING THE GATHERING



FIGURE 3: FACULTY MEMBERS AND STUDENTS EXPLAINING THE MODEL TO PROFESSOR V. HARA GOPAL, CHIEF GUEST.



FIGURE 4: STUDENTS PARTICIPATING IN POSTER MAKING



FIGURE 5: CERTIFICATE DISTRIBUTION TO WINNERS OF VARIOUS EVENTS BY DR. SUCHITRA NAIDU, DEAN OF ACADEMICS



FIGURE 6: CERTIFICATE DISTRIBUTION TO WINNERS OF VARIOUS EVENTS BY DR. SUCHITRA NAIDU, DEAN OF ACADEMICS



FIGURE 7: GROUP PHOTO OF STUDENTS AND FACULTY OF THE DEPARTMENT

REPORT ON NATIONAL MATHEMATICS DAY 2022

National Mathematics Day is celebrated on 22 December every year to mark the 135th birth anniversary of Indian Mathematician Srinivasa Ramanujan to promote and highlight his outstanding accomplishments. The theme of the day for the year 2022 is "**to make people aware of the importance and significance of mathematics in today's time**".

The department of B.Sc. Mathematics, Statistics and Computer Science with B.Sc. Electronics & Communication Technology in collaboration with St. Ann's Degree College for Women conducted various events on the occasion of National Mathematics Day on 14th December 2022 at Loyola Hall from 1:00 P.M. to 4:00 P.M., Loyola Academy to encourage the student community the importance of Mathematics in present time.

The total number of registrations were about 150 from Loyola Academy, St. Francis Degree College for Women and St. Ann's Degree College for Women.

Three events were conducted and the details are as given below:

1. Student presentation on "role of Linear Algebra in Computational Sciences". The student presentation was judged by Assist. Prof. Mr. V. Jagadhish from Loyola Academy and Dr. Santhoshi from St. Ann's Degree College. The winners of the competition are mentioned below:

   1st prize- Hira Fatima from St. Ann's Degree College for Women

   2nd prize-Kundanika from St. Francis Degree College for Women

   3rd prize Nandini from St. Ann's Degree College for Women

2. Math – Quiz was organized in Loyola Hall. It is a group event where a team of five members each participated with 10 teams in total. The theme of the competition was "Quantitative Aptitude" and the teams were given 30 seconds to answer the question posed by the organizers. Dr. Shakira Sultana, Assistant Professor in Mathematics and Head, Department of Electronics & Communication Technology and Ms. Bindu Babu, Assistant Professor in Mathematics organized the event. The students

participated enthusiastically after three rounds of competitions the winners were announced and the list is as given below:

1st prize is won by Team B

a. Kiranmayee from St. Ann's Degree College for Women
b. Hira Fatima from St. Ann's Degree College for Women
c. Niharika from St. Ann's Degree College for Women
d. Shailaja from St. Ann's Degree College for Women
e. Kiran from St. Francis Degree College for Women

2nd prize is won by Team E

f. B.Nikitha from St. Ann's Degree College for Women
g. B.Srinidhi from St. Ann's Degree College for Women
h. K.Kaveri from St. Ann's Degree College for Women
i. O.Malavika from St. Ann's Degree College for Women
j. G.Akshaya from St. Ann's Degree College for Women

3rd prize is won by Team D

k. Ruchitha from St.Ann's Degree College for Women
l. Devi from St. Ann's Degree College for Women
m. Krithika from St. Ann's Degree College for Women
n. Pavani from St.Ann's Degree College for Women
o. Kundanika from St. Francis Degree College for Women

3. Math – Olympiad is a written test conducted on basics of Differential Equations Calculus, and is held in the library. Their performance was evaluated by Dr. K. Vijaya Lakshmi from Loyola Academy. The winners of the competition were

1st prize- Kiran from St. Francis Degree College for Women

2nd prize- Naga Babu from Loyola Academy Degree & PG College

3rd prize- Akshaya from St. Ann's Degree College for Women

The valedictory session was held in the presence of Dr. G. Anitha Mary, Dean, School of IT where the winners were felicitated by a certificate and a trophy. The participants are also given certificates as a token of encouragement.

There is a good response from students and have requested to conducted more events of this kind.

Outcome of the Programme:

- To popularize the use and importance of mathematics in today's developing technology.
- This day mark the birth anniversary of Indian Mathematician Srinivasa Ramanujan whose contributions in the field of mathematics are invaluable.









Analysis of the Feedback for National Mathematics Day

S. No.	Event Name	Feedback Score
1.	Presentations	80%
2.	Math – Quiz	90%
3.	Math – Olympiad	75%

Gallery:

PHOTO 3: PHOTO SESSION AT THE END OF THE EVENT WITH PRIZE WINNER AND ORGANIZERS

PARENT - TEACHER & STUDENT MEETING REPORT OF EVEN SEMETER

The Parent – Teacher and Student Meeting for all the three - year students was held on 11 February 2023 from 9: 30 A. M. to 3:30 P.M for the academic year 2022 - 23. It is an Offline event, where the parents are asked to meet the faculty of the department so that they are aware of their child's progress in curricular, extracurricular activities as well as the attendance percentage. CR's and ACR's of all the three years volunteered and are given responsibilities for the smooth conduct of the meeting.

Parents were informed about the semester results, weekly and mid semester marks along with their attendance. They were informed about other facilities provided by the department and also by the college such as CRT, NCC, NSS, Library facilities, Internships and Management Scholarships.

AMSCs: Mrs. P. Naga Durga and Mrs. J. Kruthi were in charges for the PTM to first year students. Ms. Koyigura Shresta (CR) and Mr. Repalle Shashi Kumar (ACR) assisted the faculty in completion of the meeting. All the student's parents are present for the meeting either offline or online. The parents were happy about the facilities provided by the college and expressed no concerns.



NMSCs: Ms. P. Anjusree Krishnan along with Mrs. R. Madhavi were the in charges for the meeting held to second year students. 'Mr. Calwin Joseph' (CR) and 'Ms. Mamatha' (ACR) assisted the parents and explained about the student's behaviour during the classes. Faculty in charges updated the students

about their progress. All the parents attended the meeting either online or offline expressed their concern towards the CRT program. They requested to conduct CRT program extensively as it will be useful for their placements.

DMSCs: Ms. Kakani Ketana and Ms. Bindu Babu conducted the PTM for third year students with the help of 'Satvika' (CR) and 'Mr. Sanjay' (ACR). They also explained the various avenues available for their higher education. Parents are happy about the facilities provided by the college. All the parents attended the meeting through online and offline.

Suggestions/ Feedback from Parents for the Department/College:

1. The parents of final year students suggested to conduct more dry runs to face the interviews for placements. Also, they requested to conduct more placements for the core subjects and the technical positions.
2. Many parents enquired on the course to be taken for higher education.
3. They also suggested to conduct internship programs to be implemented by the department.
4. Most of the parents expressed their concern about the usage of mobile and lack of concentration towards the academics.
5. Parents of second year students expressed their dissatisfaction on the improper conduct of the CRT program and change of resource persons for the program.

Issues Resolved:

1. Special care was taken on students with health issues and online classes were conducted to in order to make the students knowledgeable about the subjects.
2. YouTube lectures were shared to students with health issues and for weak students so that they can cope up with the subjects.

PROJECTS

S. No.	UID	Name of the Student	Subject Name	Title of the Project	Guide Name
1.	111720024001	A Meghana	Statistics	Plant Disease Identification, tracking and Forecasting for Farmers	Mrs. M. Sailaja
	111720024021	Rodda Sathvika Teja			
	111720024026	V Sravani			
2.	111720024002	Avantika	Computer Science	Book shelf Management	Ms. D. Sravani
	111720024008	J Prathima			
	111720024014	Muvva Varsha Chowdary			
3.	111720024003	Boina Sathvika	Statistics	Depression detection application using python	Ms. Kakani Ketana
	111720024004	C.Shanthi Priya			
	111720024022	Rudroju Bhumika			
4.	111720024005	Chopparapu Divya Lakshmi Mani Chandana	Statistics	Stress Detection Emoji Based Facial Expression.	Ms. Bindhu Babu
	111720024043	Sanjay R			
	111720024047	Sukumaran Ganesh			
5.	111720024006	Gudise Hima Bindhu	Computer Science	Automatic Number Plate detection	Ms. Kakani Ketana
	111720024007	Jangam Devika			
	111720024011	Kuntala Keerthana			
6.	111720024009	Kamasani Keerthana	Statistics	Analysis of Crime Rate in Metropolitan Cities	Mrs. M. Sailaja
	111720024010	Kancharana Jhansi			
	111720024050	Balla Pravalika			
7.	111720024012	Manga Anisha Krishna	Statistics	Detecting Alzheimer's disease using Machine Learning	Ms. Anjusree Krishnan
	111720024023	Sankepalli Manasa			
	111720024024	Siddula Harshitha			
8.	111720024013	Muthukuri Divya Sree	Statistics	Diabetic Disease Prediction using Machine Learning Algorithms	Mrs. Kruthi
	111720024018	Rambotla Sai Lakshmi Prasanna			
	111720024019	Ramabhotla Surya Lakshmi			
9.	111720024015	Parvathapuram Jyothika	Computer Science	Audio/Text to Sign Language	Mrs. R. Madhavi
	111720024020	Rayapati Vidhya			
	111720024025	Snigdha Roy			
10.	111720024016	Peddi Lavanya	Computer Science	Implementing an automated application for attainment calculations of program outcomes in outcome-based education	Mrs. Naga Durga
	111720024038	Kasala Bharadwaj			
	111720024044	Shaik Asad			
11.	111720024017	Guthpa Girish Kumar	Statistics	Optimizing Nutrition: Understanding Vitamin Deficiencies and Dietary solutions	Mrs. Naga Durga
	111720024031	Anson Daniel			
	111720024033	Bandi Nikhil Kumar			
12.	111720024027	A Chandu	Statistics	Impact of Covid-19 on Health Expenditure	Mrs. M. Sailaja
	111720024028	Aditya Kumar Chaturvedi			
	111720024040	Parth Chaturvedi			

13.	111720024029	Ala Aravind Reddy	Computer Science	Customer relation management	Mrs. R. Madhavi
	111720024046	Shiva Kumar Peddagolla			
	111720024048	Vadla Sai Nikhil			
14.	111720024030	Anand Singh	Computer Science	Secure tollgate navigation system	Mrs. R. Madhavi
	111720024039	Paila Bhaskar Reddy			
	111720024042	Rooshan Hussain			
15.	111720024034	Bijjala Akshay Kumar	Computer Science	Prediction of Fake Job Using Multilayer Perception	Mr. K. Rajesh
	111720024037	Gorakala Venkatesh			
	111720024049	Yadala Vijay Sunand			
16.	111720024035	Dubba Tharakeshwar	Computer Science	Image Detection based on Fusion of Lightweight Deep learning Models	Ms. Anjusree Krishnan
	111720024036	Ganji Himanshu			
	111720024045	Shaik Ibrahim			

BRIDGE COURSE REPORT

A Bridge course was taken for first year B.Sc. Mathematics, Statistics & Computer Science students of 2022-2025 batch for 15 classes of all the three streams Mathematics, Statistics and Computer Science.

A bridge course in mathematics, statistics, and computer science is a program or course designed to help students who may be lacking in certain foundational skills or knowledge needed for success in their academic pursuits in these subjects.

For example, a bridge course in mathematics may cover topics such as algebra, geometry, calculus, and mathematical modelling. A bridge course in statistics may cover topics such as data analysis, probability theory, and statistical inference. A bridge course in computer science may cover topics such as programming fundamentals, data structures and algorithms, and computer architecture.

The specific curriculum of a bridge course in mathematics, statistics, and computer science may vary depending on the needs of the students and the educational institution offering the course. However, in general, the course is designed to provide students with the skills and knowledge necessary to succeed in more advanced coursework in these subjects.



Bridge courses can be particularly helpful for students who are transitioning from high school to college, or for students who are changing majors and need to catch up on certain subject matter. They can also be helpful for students who are returning to college after a period of time away or who need to refresh their knowledge in a particular subject area. The marks list of post-test and pre-test are provided below.

UID No	Student Name	Pre –test marks	Post –test marks
111722024001	Allam Vinuthna Naine	30	24
111722024002	Asani Ashritha	25	21
111722024003	Byri Indu	30	28
111722024004	Dandu Tejaswi	26	23
111722024005	Dinavahi Deepika	25	26
111722024006	Godala Ashritha	25	27
111722024007	Kanaparthi Sowmya	24	28
111722024008	Koyigura Shresta	25	25
111722024009	Nisha Yadav	29	24
111722024010	Palak Mahawar	24	21
111722024011	Rayaboina Ashritha	21	30
111722024012	Sakshi Pandey	28	30
111722024013	Satty Meghana	23	25
111722024014	Ada Jayendhra Reddy	26	30
111722024015	Bandaru Surya Teja	27	25
111722024016	B Sai Vamshi	28	24
111722024017	Garadi Mallikarjun	25	21
111722024018	Kantipudi Abhinav Kumar	24	30
111722024019	Medikonda John Victor	21	30
111722024020	Medisetti Varun	30	25
111722024021	Repalle Shashi Kumar	30	30
111722024022	R Vishwanath	21	22
111722024023	S Phanindra	22	30
111722024024	Tumburu Raja Yogi	23	26
111722024025	Wanglen Sanasam	21	25
111722024026	Chennakesavula Santhosh Kumar	24	25
111722024027	Bureddy Rusikesh	27	24
111722024028	Dushetti Lokanath	26	25
111722024029	Sanagala Madhavi	23	29
111722024030	Markanti Saivardhan Reddy	23	24
111722024031	Namala Tulasi .	21	21
111722024032	Alluri Raghuram	25	28
111722024033	K Srikanth	28	23
111722024034	Vangari Pravallika	29	26
111722024035	Tanniru Akhila	25	27
111722024036	Sirigiri Puneeth	24	28
111722024037	Chettipelli Manisai	21	25
111722024038	Bodigam Vyshnavi	26	24
111722024039	A Venudhar	24	21
111722024040	Mandalaneni Kamala Dathri	23	30
111722024041	Kurala Shruthi	24	30
111722024042	Srishti Sheorayan	25	25
111722024043	Padala Harshavardhan	26	30
111722024044	Mudangula Anu Shree	25	26
111722024045	Gangarapu Balarohith Kumar	28	25
111722024046	Pallapu Laxmi Manasa	27	25
111722024047	Mehul B Nair	29	24
111722024048	Halburge Kiran Madhav	28	25
111722024049	Navneeth Krishna .	23	29
111722024050	Madhira Chayasree .	25	24

ADD – ON COURSE REPORT

The department offered "Big Data Analysis" as an add – on course for the second-year students in the academic year 2022 – 23. The course was conducted during the fourth semester and was held for 30 hours on Friday and Saturdays every week from 2 December 2022 to 10 March 2023. The classes were conducted in admin room number 20 from 3:00 P.M. to 4:00 P.M. Ms. Kakani Ketana, Assistant Professor in Statistics is the faculty in – charge for the course. The following topics were discussed in the course.

1. Introduction to Big Data.
2. Challenges of Big Data
3. Data types.
4. Analytical tools with methods in big data.
5. Different types of analytics used.
6. Challenges of Big data.
7. Introduction to Hadoop.
8. HDFS and difference with traditional databases.
9. Storage system of big data.
10. Hadoop file storage system.
11. Difference between traditional and big data storage.

An exam to evaluate the student's understanding levels is conducted on 10 March 2023 by sharing the google forms to all the students and their results are recorded. Feedback is taken from the students through google forms. The students gave positive feedback and reported that the course was helpful for them to take up the projects, for their higher education and placements. They suggested to continue the course in the future as well.

The following are the marks obtained by students in the assessment examination conducted after completion of the course. The exam is conducted for a maximum of 30 Marks

S. No.	Register No.	Student Name	Marks
1	111721024001	Anandesi Sanju Sree	20
2	111721024002	Anandi	28
3	111721024003	Annem Esha Rani	25
4	111721024004	Arja Nikitha	25
5	111721024005	Bhuvaneswari Koppula	26
6	111721024006	Chennapragada Sailaja	21
7	111721024007	Dasaram Suchitha	15
8	111721024008	D Mamatha	27
9	111721024009	D Sree Ramya Goud	20
10	111721024010	Kali Srujana	24

S. No.	Register No.	Student Name	Marks
11	111721024011	Kallem Shivani	21
12	111721024012	Kondapalli Mrudhula	25
13	111721024013	Nidamaluri Hima Bindu	20
14	111721024014	Puram Chandana	26
15	111721024015	P Vani	27
16	111721024016	Samala Madhulika Reddy	15
17	111721024017	Shivali Patro	20
18	111721024018	S Ramya Nethra	22
19	111721024019	Tanneru Akila	23
20	111721024020	Aeruva Sai Charan	17
21	111721024021	Ashala Mrunal Chandra	15
22	111721024022	Bhuvanesh Guleria	16
23	111721024023	Calwin Joseph	26
24	111721024024	Chetan Choudhary	20
25	111721024025	Gunda Sai Anirudh	28
26	111721024026	Hajjarge Vivek	22
27	111721024027	Katarapu Tarun	21
28	111721024028	Kshitij Singh	27
29	111721024029	Nara Mithin Chakravarthy	25
30	111721024030	Pathipati Venkata Sai	26
31	111721024031	Pulakaram Krishna Vamshi	23
32	111721024032	Rudroju Tejasvini	21
33	111721024033	Banala Pranay Reddy	22
34	111721024034	Udagandla Maria Prem Kumar	22
35	111721024035	Siddharth Reddy Vummadi	16
36	111721024036	Koteshwar Reddy Nermati	15
37	111721024037	Amarlapudi Johna Alice Crystal	24
38	111721024038	Nayudu Anjali	24
39	111721024039	Matsa Vasavi	23
40	111721024040	P Eshwar	15
41	111721024041	Syed Mohammed Mehdi	16
42	111721024042	Vadaparthi Arjun	20
43	111721024043	Yeredla Gayathri	25
44	111721024044	M K Praneetha	22
45	111721024045	Nalgama Sreeja	26
46	111721024046	Goundla Tharungoud	21
47	111721024047	Chamakura Sai Kumar	21
48	111721024048	Mungi Sravani	23
49	111721024049	Andreddy Upada	27
50	111721024050	A Gladwin	28
51	111721024051	Duggineni Venkata Neha	26

SELF-STUDY COURSE REPORT

The department of B.Sc. Mathematics, Statistics & computer Science offers self-study course on "Quantitative Aptitude" for fifth semester students in the academic year 2022 – 23. It is offered to final year students in order to help them to prepare them for the competitive exams, placements and higher education exams. It helps the students to improve their analytical and logical skills which are needed to appear for a wide range of examinations. The course started from 5 July 2022 and continued till 29 September 2022. The course is held for 10 teaching hours consisting of 5 units. At the end of the course a test is conducted for 30 marks to assess the students' skills in the course. Ms. Bindu Babu is the faculty in charge for the course.

The followings topics were discussed in the course:

1. Simple equations, ratios, proportions and variations
2. Averages and percentages
3. Simple and compound interest
4. Time and work, time and distance
5. Arithmetic, geometric progression and number series

An exam for a duration of 30 minutes is conducted and the marks are awarded for the students as given below.

S. NO.	UID	NAME OF THE STUDENT	MARKS
1	111720024001	A Meghana	23
2	111720024002	Avantika	26
3	111720024003	Boina Sathvika	28
4	111720024004	Chettecherla Shanthi Priya	30
5	111720024005	Chopparapu Divya Lakshmi Mani Chandana	30
6	111720024006	Gudise Hima Bindhu	23
7	111720024007	Jangam Devika	26
8	111720024008	J Prathima	24
9	111720024009	Kamasani Keerthana	24
10	111720024010	Kancharana Jhansi	25
11	111720024011	Kuntala Keerthana	25
12	111720024012	Manga Anisha Krishna	24
13	111720024013	Muthukuri Divya Sree	27
14	111720024014	Muvva Varsha Chowdary	25
15	111720024015	Parvathapuram Jyothika	22
16	111720024016	Peddi Lavanya	25
17	111720024017	Guthpa Girish Kumar	23
18	111720024018	Ramabhotla Sai Lakshmi Prasanna	25
19	111720024019	Ramabhotla Surya Lakshmi	26

20	111720024020	Rayapati Vidhya	26
21	111720024021	Rodda Sathvika Teja	27
22	111720024022	Rudroju Bhumika	24
23	111720024023	Sankepalli Manasa	22
24	111720024024	Siddula Harshitha	26
25	111720024025	Snigdha Roy	24
26	111720024026	V Sravani	23
27	111720024027	A Chandu	27
28	111720024028	Aditya Kumar Chaturvedi	21
29	111720024029	Ala Aravind Reddy	20
30	111720024030	Anand Singh	20
31	111720024031	Anson Daniel	26
32	111720024033	Bandi Nikhil Kumar	23
33	111720024034	Bijjala Akshay Kumar	25
34	111720024035	Dubba Tharakeshwar	24
35	111720024036	Ganji Himanshu	27
36	111720024037	Gorakala Venkatesh	26
37	111720024038	Kasala Bharadwaj	27
38	111720024039	Paila Bhaskar Reddy	27
39	111720024040	Parth Chaturvedi	23
40	111720024042	Rooshan Hussain	22
41	111720024043	Sanjay R	29
42	111720024044	Shaik Asad	24
43	111720024045	Shaik Ibrahim	23
44	111720024046	Shiva Kumar Peddagolla	23
45	111720024047	Sukumaran Ganesh	25
46	111720024048	Vadla Sai Nikhil	25
47	111720024049	Yadala Vijay Sunand	23
48	111720024050	Balla Pravalika	27