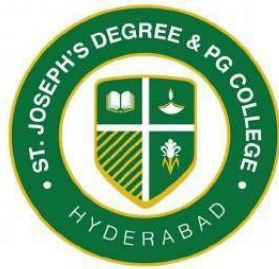


**ST. JOSEPH'S DEGREE & PG COLLEGE**  
**(Autonomous), Affiliated to Osmania University**  
**Re-accredited by NAAC (3<sup>rd</sup> Cycle)**  
**King Koti Road, Hyderabad**

**DEPARTMENT OF MATHEMATICS & STATISTICS**



**ANNUAL REPORT 2023-24**

**HoD**

Mr. D. Srinivas Reddy

**Principal**

Fr. Anthony Sagayaraja

**Prepared By**

Mrs. B. Mallika & Dr. M. Sathyanarayana

## 1. Curricular Aspects

- **Programs Offered with the year of introduction and total credits:**

S.No.	Name of the Program	Year of Introduction	Total Credits/Year
1	B.Sc (MSCs)	2000	150/2017
2	B.Sc (MECs)	1997	150/2017
3	B.Sc (MPCs)	1997	150/2017

- **Total no. of courses - UG and PG**

S.No.	Name of the Course	No. of Courses
1	Mathematics (MSCs/MPCs/MECs) Include project	23
2	Statistics (MSCs) Include project	22

- **Industry Academic Meet details with Photographs [ include Date, members names abd their details, suggestions given]:**

### **AGENDA FOR 3<sup>rd</sup> INDUSTRY ACADEMIA MEET**

**Date: 22-02-2024**

**Time: 2:00pm to 4:00pm**

**Venue: Board Room, First Floor**

1. Prayer - Rev. Fr. Anthony Sagayaraja, Principal, SJDC.
2. Welcoming the Board of 3<sup>rd</sup> Industry Academia Meet members and Introduction of the members - Mr. D. Srinivas Reddy, HoD.
3. Presenting the minutes of 2<sup>rd</sup> Industry Academia Meet - Mr. J. Harika, Assistant Professor.
4. Present overview of existing B. Sc programs in Mathematics and Statistics.
5. (B. Sc MScs/MPCs/MECs) Mathematics & Statistics of III Year Semester – V & VI w. e. f. academic year 2024-25.
6. Discussion on areas and scope of improvement from industry perception

7. Overview of the curriculum, courses, and learning outcomes of the new B.Sc Data Sciences program.
8. Inputs from industry partners on the relevance of the curriculum to current industry need.
9. Discuss existing internship programs for students in Mathematics and Statistics and Identify areas where industry partners can offer internships to students, ensuring practical exposure and skill development.
10. Project ideas that can be integrated into the curriculum of Mathematics and Statistics courses.
11. Feedback from industry partners regarding their expectations from Mathematics and Statistics graduates.
12. Any other related matters with the permission of the chair.
13. Vote of thanks – Mrs. G. Sunitha, IQAC Coordinator.

## **DEPARTMENT OF MATHEMATICS & STATISTICS**

### **3<sup>rd</sup> INDUSTRY ACADEMIA MEET-2024**

Date:22-02-2024

Time: 2:00 pm to 4:00 pm

Venue: Board Room,

Mic: S. Vijayalaxmi, Assistant professor in Statistics

#### **Program Flow:**

Prayer	Rev.Fr. Anthony Sagayaraja, Principal
Welcome Board Members	Mr. D Srinivas Reddy, HoD,
Welcome Address	Rev.Fr. Anthony Sagayaraja, Principal
Presenting the minutes of 2 <sup>nd</sup> Industry Academia Meet	Mrs. J. Harika, Assistant Professor in Mathematics.
Presenting the Curriculum- B Sc Mathematics	Mr. D Srinivas Reddy, HoD & Mrs. G Sunitha, IQAC Coordinator
Discussion on Curriculum –B Sc Mathematics	Board Members

Presenting the Curriculum- B Sc Statistics	Mrs. S. Vijayalaxmi, Assistant Professor in Statistics & Mrs B. Mallika, Assistant Professor in Statistics
Discussion on Curriculum –B Sc Statistics	Board Members
Discussion on Internships/ Projects	Mrs G. Sunitha, IQAC-Coordinator
Discussion on Value Added Courses/ Online Courses/ Certifications/MOUs	Mrs J Harika, Assistant Professor in Mathematics,
Any other points	Permission of the Chair
Vote of thanks	Mrs. G. Sunitha, IQAC-Coordinator

### **MINUTES 3<sup>rd</sup> INDUSTRY ACADEMIA MEET-2024**

The meeting started at 2:00pm in the board room then followed by the prayer by the principal Rev. Fr. Anthony Sagayaraja.

Mr. D. Srinivas Reddy, HoD, welcomed the board members and introduced the department members.

Mrs. J. Harika presented the previous minutes of the meeting held on 23<sup>rd</sup> February 2023.

Mr. D Srinivas Reddy presented the B.Sc. programs offered by the department of Mathematics & Statistics.

#### **Dr. D Sudheer Reddy Suggestions:**

1. Suggested to use MATLAB software for practical's instead of MATHEMATICA also suggested to use python software for all the courses.
2. Suggested to change the title rank to Rank of Matrix in Unit-II of Linear Algebra paper
3. Suggested to negotiate Unit-III & Unit-IV in SEC -Mathematical Modelling paper offered in Semester-VI
4. Discussed on the syllabus of Mathematics-V Paper Linear Algebra in Semester-V and revamp the word concept of Rank in Unit-II

5. Suggested to use python instead of MS-Excel and SPSS for all the courses in all the semesters
6. Suggested that there is a package for Operations Research in python programming software.

**Prof. C. Raghavender Rao Suggestions:**

1. Discussed on the syllabus of Mathematics-V Paper Linear Algebra in Semester-V and revamp the word concept of Rank in Unit-II
2. Suggested to design the syllabus of Mathematical Modeling paper in more consistent manner if possible suggested to include case study in each unit
3. Suggested to provide the prerequisites for Generic elective papers offered in Semester-V
4. Suggested to modify the titles of Mathematics projects
5. Suggested the improvements in the project concepts like Traffic management, cyber security, metro stations,
6. Suggested not have in house projects instead it should be industry oriented.
7. Suggested that Mathematics papers to be designed using MATLAB for Practical's for B Sc Data Science.
8. Suggested to use MATLAB for Operations Research paper offered in Semester-V
9. Suggested to use R and MS-Excel or python instead of TORA software.
10. Suggested to mention the prerequisites for the courses.

**Prof N. Kishan Suggestions:**

1. Suggested Mathematics-I paper as Calculus and Differential Equations in Semester -I for Data Science
2. Suggested Mathematics-II paper as Discrete Mathematics in Semester-II for Data Science
3. Suggested Mathematics-IV paper as Algebra and Linear Algebra in Semester-IV
4. Suggested the title for New Program as B Sc Data Science with Honors

**Dr. Ameen Saheb Shaik Suggestions:**

1. Suggested to use R-Programming instead of MS-Excel and SPSS for Applied Statistics-I paper offered in Semester –V

2. Suggested to negotiate the topic of sequencing in unit-IV of Operations Research paper and include Game theory
3. Suggested to use R-Programming for practicals of all Statistics papers.
4. Suggested that R-Programming can be used for B Sc Statistics and Python programming for B Sc Data Science

**Mr. K. Sathyanarayana Suggestions:**

1. Suggested to have practical approach for SEC papers instead of theory classes for skills.
2. Suggested to use MS-Excel for SEC-III paper Theory of Equations or Logic and Sets for practical problems
3. Suggested to allocate few hours of total duration of the course for case studies in Mathematical Modeling

**Ms. Khyati Davda Suggestions:**

1. Suggested that the final year project involve working on a substantial dataset, potentially sourced from GitHub, utilizing both Excel and Python. This practical experience will enhance students' ability to apply their knowledge to real-world scenarios.
2. Given the current industry demands, incorporating Python libraries like pandas and numpy would be beneficial, as they have become essential for data scientists. This addition aligns with the prevalent industry practices.
3. For students seeking immediate job placement, exposure to essential Excel skills, including Pivot tables and basic statistical calculations, would be valuable. This ensures a well-rounded skill set for those entering the workforce directly.
4. Topics such as sampling, statistical inference, time series, regression, and distribution form the foundation for further studies or job roles. A deeper understanding of these subjects, at an intermediate level, with a focus on conceptual clarity, would be advantageous.

**Composition of 3<sup>rd</sup> Industry Academia Meet 2024**

1. Rev. Fr. Anthony Sagayaraja  
Principal,  
St Joseph's Degree & PG College  
Kingkoti, Hyderabad.
2. Mrs. Mary Vinaya Sheela  
Dean Academics,  
St Joseph's Degree & PG College

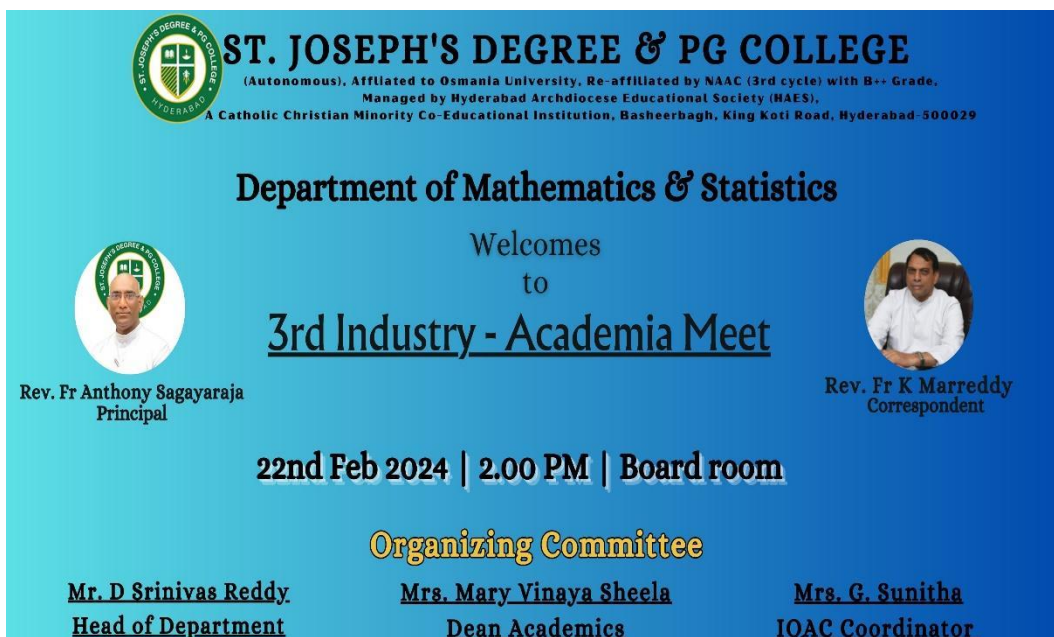
Kingkoti, Hyderabad.

3. Prof. N Kishan  
Academic Representative  
Department of Mathematics,  
University College of Science,  
Osmania University, Hyderabad, Telangana.
4. Dr. B. Ravindra Reddy  
Professor & Chairman, Board of Studies  
Academic Representative (Mathematics)  
JNTUH University College of Engineering Hyderabad  
Kukatpally, Hyderabad – 500 085, Telangana
5. Mr. Satyanarayana Kota,  
Senior Engineer, Cigniti Technologies  
Industry Representative (Mathematics)  
Hyderabad, Telangana.
6. Prof. C Raghavendra Rao  
Academic Representative  
Department of Statistics,  
University of Hyderabad, Telangana.
7. Dr. Ameen Saheb Shaik  
Academic Representative  
Assistant Professor, Department of Statistics,  
Anurag University, Hyderabad, Telangana.
8. Dr. D. Sudheer Reddy  
Scientist/Engineer  
ADRIN, Department of Space  
Industry Representative (Mathematics & Statistics)  
Secundrabad, Telangana.
9. Khyati Davda  
Executive Data Scientist, NielsenIQ  
Alumni in Mathematics & Statistics,  
Batch: 2015-2018,  
Hyderabad, Telangana.
10. Mr. D Srinivas Reddy  
Chairman, HoD,  
Department of Mathematics  
St Joseph's Degree & PG College  
Kingkoti, Hyderabad.
11. Mrs. G Sunitha

IQAC Coordinator  
Department of Mathematics  
St Joseph's Degree & PG College  
Kingkoti, Hyderabad.

12. Mrs. S. Vijayalaxmi  
Assistant Professor  
Department of Statistics  
St Joseph's Degree & PG College  
Kingkoti, Hyderabad.
13. Mrs. J. Harika  
Assistant Professor  
Department of Mathematics  
St Joseph's Degree & PG College  
Kingkoti, Hyderabad.
14. Dr. M Sathyanarayana  
Assistant Professor  
Department of Mathematics  
St Joseph's Degree & PG College  
Kingkoti, Hyderabad.
15. Mrs. B Mallika  
Assistant Professor  
Department of Statistics  
St Joseph's Degree & PG College  
Kingkoti, Hyderabad.


**Flyer:**




**ST. JOSEPH'S DEGREE & PG COLLEGE**  
(Autonomous). Affiliated to Osmania University. Re-affiliated by NAAC (3rd cycle) with B++ Grade.  
Managed by Hyderabad Archdiocese Educational Society (HAES).  
A Catholic Christian Minority Co-Educational Institution, Basheerbagh, King Koti Road, Hyderabad - 500029

**Department of Mathematics & Statistics**

Welcomes  
to  
**3rd Industry - Academia Meet**

  
Rev. Fr Anthony Sagayaraja  
Principal

  
Rev. Fr K Marreddy  
Correspondent

**22nd Feb 2024 | 2.00 PM | Board room**

**Organizing Committee**

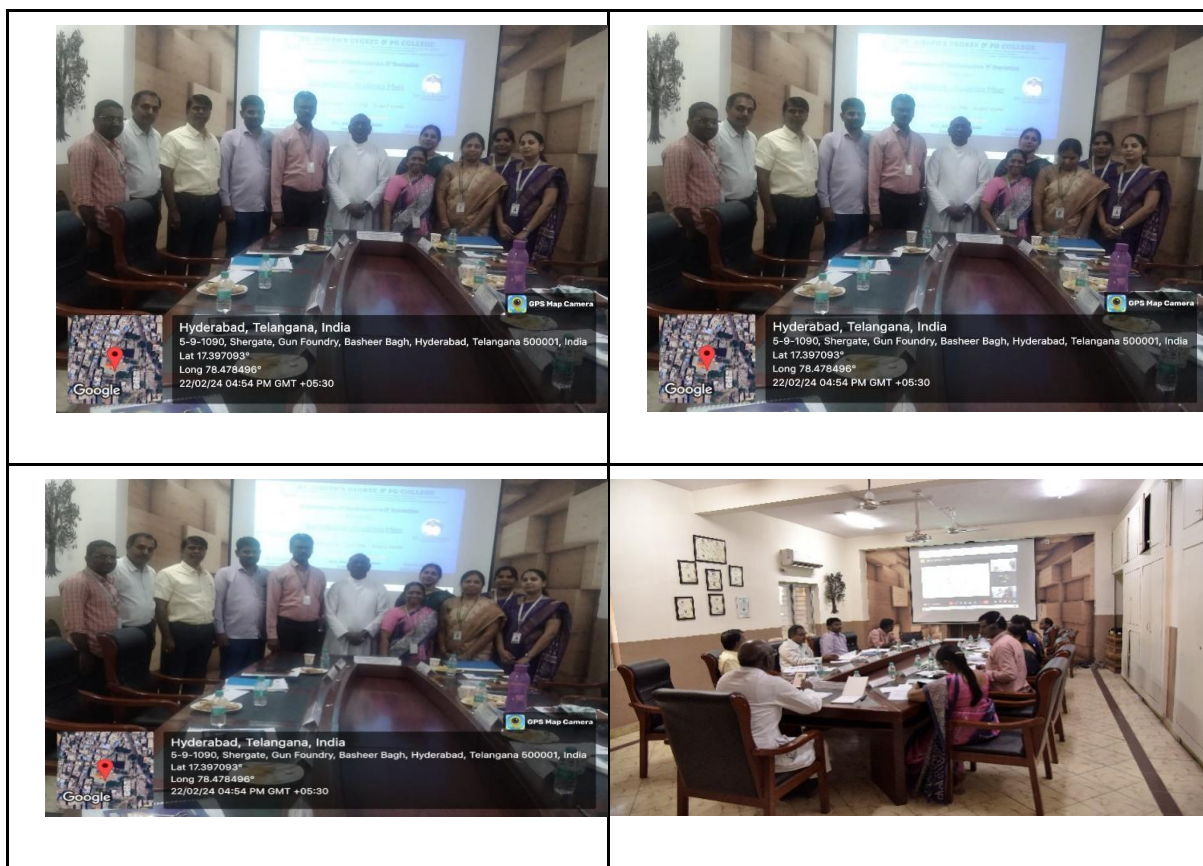
**Mr. D Srinivas Reddy**  
**Head of Department**

**Mrs. Mary Vinaya Sheela**  
**Dean Academics**

**Mrs. G. Sunitha**  
**IQAC Coordinator**



**Photos:**



● **BoS Meeting details with Photographs:**

**Department of Mathematics & Statistics**

**Agenda for Board of Studies(Statistics)**

**Date: 22<sup>nd</sup> April 2024**

1. Prayer by Rev. Fr. Anthony Sagayaraja, Principal, St. Joseph's Degree & PG College.

2. Welcoming the Board of Studies Members by Mrs. S. Vijayalaxmi, Assistant Professor, St. Joseph's Degree & PG College.
3. Presenting the previous BoS resolutions by Mrs. B. Mallika, Assistant Professor, St. Joseph's Degree & PG College.
4. Presenting the Programme Structure of B.Sc (MSCs) III year w.e.f the Academic year 2024-25 for approval.
5. Discussion for the approval of Semester-V & VI DSC Syllabus of B.Sc (MSCs) w.e.f the Academic year 2024-25.
6. Discussion for the approval of Semester-V & VI Skill Enhancement Course (SEC) Syllabus of B.Sc (MSCs) w.e.f the Academic year 2024-25.
7. Discussion for the approval of Statistics Generic Elective (GE) Syllabus
8. Presenting the Programme Structure of B.Sc (MSDs) for the batch 2024-27 w.e.f the Academic year 2024-25 for approval.
9. Discussion for the approval of Semester-I & II DSC Syllabus of B.Sc (MSDs) w.e.f the Academic year 2024-25.
10. Discussion on Departmental Value Added Courses (Certificate courses)
11. Discussion on guidelines of Projects and Internships.
12. Discussion on feedback on Curriculum from Stake Holders.
13. Approval of Evaluation Scheme based on Blooms taxonomy.
14. Approval of Panel of Examiners.
15. Syllabus relevance to Regional, National and Global.
16. Approval of Common Courses and Guidelines relating to Non-CGPA, Generic elective and Internship
17. Any other information with the permission of the chair.
18. Vote of thanks by Mrs. B. Mallika, Assistant Professor, St. Joseph's Degree & PG College.

### **RESOLUTIONS OF THE BOARD OF STUDIES MEETING**

A meeting of the Board of studies for the Department of Statistics (B.Sc MSCs) was held on 22<sup>nd</sup> April 2024 at 2.30 PM in the Board Room, St. Joseph's Degree & PG College, Kingkoti, Hyderabad.

The following resolutions were made:

#### **It has been resolved to approve**

1. The previous minutes of Board of Studies.

2. The revised Statistics Discipline Specific Core Syllabus of B.Sc MSCs final year Semester V & VI Courses w.e.f the Academic year 2024-25.
3. The Syllabus of Skill Enhancement Courses in Semester V & VI
  - (i) Operations Research
  - (ii) R-Programming
4. The Syllabus of Generic electives in Semester V
  - (i) Basic Statistics
  - (ii) Optimization techniques
5. The paper pattern of Internal Examinations (I & II) for Discipline Specific Core, Skill Enhancement Course and Generic Elective.
6. The panel of Examiners for paper setting and evaluation of Theory Examinations.
7. The panel of Examiners for the conduction of Practical Examinations.
8. The new Programme Structure of B.Sc (MSDs).
9. The Syllabus of B.Sc (MSDs) first year Semester I & II w.e.f. the Academic year 2024-25.
10. The Syllabus of Value Added Courses
  - (i) Data Collection, Presentation and Interpretation
  - (ii) Advanced Excel.
11. The list of Programmes having Global, Regional, National and Local Relevance.

All the above-mentioned resolutions have been unanimously approved by the members of the Board.

#### **Statistics Minutes of BoS Meeting 2024**

1. Mrs. S. Vijayalaxmi, Assistant professor in Statistics, welcomed the Board Members for the BoS meeting.
2. Mrs. B. Mallika, Assistant professor in Statistics, presented the previous resolutions of BoS meeting which was held on 15<sup>th</sup> April 2023.
3. Dr. Jayasree suggested that the title for Unit-II be given the title “Sampling Methods-II” for the course titled **Applied Statistics-II** in Semester-V.
4. Dr. Jayasree suggested that the topic “Big-M method or Two Phase method” be included in Unit-I for the GE course **Optimization Techniques** in the Semester-V.
5. Dr. Jayasree suggested that Unit-II and IV to be merged in Unit-IV titled as **Vital Statistics and Indian Official Statistics**.

6. Dr. Ajanta Rudhra suggested that Unit-I “Analysis of Variance and Design of Experiments” be divided into Unit-I titled “Analysis of Variance” and Unit-II titled “Design of Experiments”.
7. The Board resolved to approve the paper pattern of Internal-I and II Examinations for Continuous Internal Assessment.
8. The Board resolved to approve the paper pattern of Continuous Internal Assessment for SEC and AECC
9. The Board approved the External Theory and Practical paper pattern for all the papers.

#### **B.Sc (MSDs)**

10. Dr. Jayasree suggested that the title of Semester-I Statistics course be changed from **Descriptive Statistics and Probability** to **Basic Statistics and Probability**
11. Dr. M. Raghunadh Acharya suggested that more applications be included in all the courses of Data Science.
12. Dr. Ajanta Rudhra suggested that more practicals be included rather than theoretic proofs.
13. Dr. M. Raghunadh suggested that practicals be taught using MS- Excel and Python or SPSS
14. Dr. Jayasree suggested that the topic “Probability Generating Functions” be included in Unit-I & II of the course titled **Probability Distributions** of Semester- II.
15. Dr. Jayasree suggested that the practicals of “Cauchy distribution” be included in Semester- II.
16. The Board recommended
  - (i) Data Collection, Presentation and Interpretation
  - (ii) Data Visualization using Power Bi
  - (iii) Advanced ExcelTo be offered as Value Added Courses in Semester-II.
17. The meeting came to an end with Mrs. B. Mallika, Assistant professor, proposing the formal Vote of Thanks.

#### **Photographs:**



**Department of Mathematics & Statistics**

**AGENDA FOR BOARD OF STUDIES MEETING (MATHEMATICS)**

Date: 25-04-2024

Time: 3:00 PM

Venue: Board Room, SJC

1. Prayer by Rev. Fr. Anthony Sagayaraja, Principal, St Joseph's Degree & PG College.
2. Welcoming the Board of Studies members by Mr. D Srinivas Reddy, Chairman BOS, St. Joseph's Degree & PG College.
3. Presenting the previous Board of Studies resolutions by Mrs. J. Harika, Assistant Professor, Department of Mathematics & Statistics.
4. Presenting the Programme Structure and Syllabus of B. Sc (MSCs/MPCs/MECs) **Mathematics** Course of Third Year Semester V & VI w. e. f. academic year 2024-25 for discussion and approval.
5. Discussion on third year V and VI Semester Skill Enhancement Courses (SEC) of **Mathematics** for the batch 2022-25 w.e.f. academic year 2024-25 for approval.
6. Discussion on third year - V and VI semester Generic Elective Courses (GE) of **Mathematics** for the batch 2022-25 w.e.f. academic year 2024-25 for discussion and approval.
7. Discussion on Departmental Value Added Courses/Certificate Courses for approval.
8. Discussion on Departmental Guidelines for Project.
9. Discussion on Action taken report on Curriculum feedback from stake holders.
10. Presenting the Question Paper pattern of internal and external both theory & practical examination w. e. f 2024-25 AY batch 2022-25 based on Blooms Taxonomy for approval.
11. Presenting the **Mathematics** Question Banks of each Course for approval.
12. Presenting the list of external examiners for approval.
13. Presenting the New program structure and Syllabus of B. Sc (MSDs) **Mathematics** Course of First Year Semester – I and II w. e. f. academic year 2024-25 for discussion and approval.
14. Presenting Common Courses and Guidelines relating to Non-CGPA Course, Generic Electives & General Internship for approval.
15. Any other related matters with the permission of the chair for discussion and approval
16. Vote of thanks by Mrs. G Sunitha, IQAC Coordinator, St. Joseph's Degree & PG College.

### **Minutes of the Meeting**

1. Mr.D. Srinivas Reddy, Head of the Department & BoS Chair Person welcomed the members and special invitees.
2. Mrs. J. Harika, Assistant Professor, presented the previous Board of Studies resolutions.
3. The Board members approved the DSC Courses titled “**Linear Algebra**” and SEC Papers titled (i) “**Mathematical Modelling**” (ii) “**Logic and Sets**”. Also GE Papers (i) “**Quantitative Aptitude for Competitive Examinations**” (ii) “**Mathematics for Economics and Finance**” in Semester-V.
4. Prof. B. Surender Reddy suggested that one more reference text book for SEC titled “**Theory of Equations**” by Ray and Sharma be added.
5. The Board members approved DSE Courses in Semester-VI (i) “**Numerical Analysis**” (ii) “**Discrete Mathematics**” (iii) “**Analytical Solid Geometry**”
6. Based on the suggestion given in Academic Council Meeting, “**Research Methodology**” is offered in Semester-VI as an elective. But the board suggested that “**Research Methodology**” is offered along with Project for 40 marks (internal evaluation) and Project for 60 marks (external evaluation).
7. Dr. S. Prasanna Rani suggested that the title be changed from “**Research Methodology**” to “**Basics of Research Methodology for Mathematics project**” in Semester-VI.
8. The Board members approved the Value Added Courses (i) “**Numerical Ability**” (ii) “**Verbal and Non-Verbal Reasoning**”.
9. The Board members approved the Question Paper Pattern for both Internal-I & II examinations and External Examinations of DSC, DSE and GE Courses for the batch 2022-25 w. e. f 2024-25.
10. As the Department is conducting Math exhibition **MOMATH** annually, Dr. S. Prasanna Rani suggested to consider the models prepared by the student as a part of Skill Based Test under Blooms Taxonomy Level-VI (Create).
11. The Board members approved the External Examiners for theory and practical examinations.
12. The Board members approved the Programme Structure of B. Sc (MSDS) for the batch 2024-27 w. e. f 2024-25.
13. Dr. S. Prasanna Rani suggested that the title of B. Sc (MSDS) Semester-I Course be changed from “**Differential & Integral Calculus and Applications**” to “**Differential & Integral Calculus with Applications**”.

14. The Board suggested that Unit-III syllabus of **Mathematics** Course -I titled “**Differential & Integral Calculus**” be modified with Applications by including ‘**Evolutes**’ & ‘**Envelopes**’ for B. Sc (MSDS) Programme.
15. Prof. B. Surender Reddy suggested that “**Charpits Method**” be removed and a few applications of “**Partial Differentiation**” be included in Unit-IV of **Mathematics** Course-II titled “**Differential Equations and Applications**”.
16. The meeting came to an end with Mrs. G. Sunitha, IQAC Coordinator proposing the formal vote of thanks.

### **RESOLUTIONS OF THE BOARD OF STUDIES MEETING**

The Department of Mathematics & Statistics conducted the Mathematics Board of Studies Meeting on Thursday 25<sup>th</sup> April 2024 at 3:00PM in the Board Room of St. Joseph’s Degree & PG College, King Koti, Hyderabad.

The following resolutions were made:

#### **It has been resolved to approve**

1. The DSC Courses titled “**Linear Algebra**” and SEC Courses titled (i) “**Mathematical Modelling**” (ii) “**Logic and Sets**”. Also GE Courses (i) “**Quantitative Aptitude for Competitive Examinations**” (ii) “**Mathematics for Economics and Finance**” in Semester-V for the batch 2022-25 w. e. f 2024-25.
2. DSE Courses in Semester-VI (i) “**Numerical Analysis**” (ii) “**Discrete Mathematics**” (iii) “**Analytical Solid Geometry**” for the batch 2022-25 w. e. f 2024-25.
3. Combining “**Research Methodology**” along with **project** under the Course title “**Research Methodology**”.
4. Change the title from “**Research Methodology**” to “**Basics of Research Methodology for Mathematics Project**” in Semester-VI.
5. The Value Added Courses (i) “**Numerical Ability**” (ii) “**Verbal and Non-Verbal Reasoning**” in Semester-II.
6. The Question Paper Pattern for both Internal-I & II examinations and External Examinations for DSC, DSE and GE Courses for the batch 2022-25 w. e. f 2024-25.
7. Consideration of the models prepared by the student for Skill Based Test under Blooms Taxonomy Level-VI (Create).
8. The Programme Structure of B. Sc (MSDS) for the batch 2024-27 w. e. f 2024-25.



9. The change in the title of B. Sc (MSDS) Semester-I Course from “**Differential & Integral Calculus and Applications**” to “**Differential & Integral Calculus with Applications**”.
10. Modify Unit-III syllabus of Mathematics Course-I titled “**Differential & Integral Calculus with Applications**” by including “**Evolutes & Envelopes**” for B. Sc (MSDS) Programme.
11. Remove “**Charpits Method**” and include few applications of “**Partial Differentiation**” in Unit-IV of **Mathematics** Course-II titled “**Differential Equations and Applications**”.
12. The External Examiners of theory and practical examinations for all the courses.
13. All the above-mentioned resolutions have been unanimously approved by the members of the Board.

**Photographs:**



- **Value Added Courses offered and number of students completed ( programmewise)- [Name of the course,no.of hrs, collaborating institute]:**

S.No	VAC offered	No. of hours	Collaborating Institute	Programme	No. of Students Completed
1	Cyber Security	30	Excelytics	B.Sc MSCs	14
				B.Sc MPCs	6
				B.Sc MECs	6
2	Basket Ball		Department of Physical Education, Osmania university	B.Sc MSCs	1
				B.Sc MPCs	Nil
				B.Sc MECs	Nil
3	Personality Development		Live Forever Academy	B.Sc MSCs	2
				B.Sc MPCs	2
				B.Sc MECs	1
4	Photography		Micheal & Monterio	B.Sc MSCs	7
				B.Sc MPCs	6
				B.Sc MECs	1
5	2-D Gaming		Ink Wall Technologies Pvt Ltd	B.Sc MSCs	Nil
				B.Sc MPCs	5
				B.Sc MECs	1
6	Theater Arts		Casting Agency	B.Sc MSCs	2
				B.Sc MPCs	2
				B.Sc MECs	1
7	Guitar		Dolce Institute	B.Sc MSCs	1
				B.Sc MPCs	Nil
				B.Sc MECs	2
8	Graphic Designing		Arena Animation	B.Sc MSCs	5
				B.Sc MPCs	Nil
				B.Sc MECs	Nil

- **MOOCs courses taken with no. of students completed ( programme wise) –**

S.No	Programme	Roll No.	Name of the Student	Name of the Moocs course completed
1	B.Sc (MSCs) IIYear	121422467002	Anthony Timon Jones	Python for Data Science
2		121422467003	B. Chaneeth	Python for Data Science
3		121422467008	G.Nehemiah Bhasker	Python for Data Science
4		121422467009	Hanuman Prasad Vyas	Python for Data Science
5		121422467011	M. Keerthana	Python for Data Science
6		121422467017	N. Shivani	Psychology
7		121422467019	P.Mani Shankar	Python for Data Science
8		121422467022	R.Sai Sathvik	Python for Data Science
9		121422467031	G. Himansh	Python for Data Science
10		121422467032	S. Chaitanya	Python for Data Science
11		121422467036	G. Kamalakar Narasimha	Python for Data Science
12		121422467037	A. David	Python for Data Science

- **list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum :**

S.No	Name of the course	Year/Semester	Targeted Group
1	Environmental Studies	I/II	B.SC
2	Universal Human Values and gender sensitization	II/III	B.SC

- **Student internships/Projects/Field work [list of students, title of internship/project/field work, place- programmes]**

S.No	Programme	Hall ticket Number	Name of the student	internships/Projects/Field work	Collaborating Institute	Title (internships/Projects/Field work)

1	B.SC(MSC s)	121421467004	Aditya Kulkarni	Project	Analytix Vidya and Solutions,H yderabad	An investigation of the practical uses of Differential equations through the utilization of Matlab.			
		121421467005	Bejagama Chaitanya Sri Vardhan			Mtcars Mileage Prediction			
2		121421467002	Adduri Pavan Surya			3	121421467018	Puli Nikhil Goud	Analysis on Tips Data
		121421467003	Adduri Srivalika				121421467039	Sayad Adnan Usman Ali	TMDB Box Office Analysis
4		121421467006	B.Rajavard han Reddy			5	121421467024	Sama Nishanth Reddy	Analysis on COVID Rate
		121421467007	D.Balakrish na				121421467008	Elias Moncy	IRIS Clustering
6		121421467009	Ellandala Samson			7	121421467012	M.Suhasa	Spotify
		121421467013	Manoj Kamawat				121421467016	Nikhil Kumar	
8		121421467017	P. Abhiswada n			9	121421467037	Veeramalla Jyothi	Bangalore House Price prediction
		121421467029	Aermani Sai Tarun				121421467025	Thomas Raju Fernandez	
			121421467028				Yata Abhishek		

10		121421467026	Vaddepally Sandeep			Clustering Analysis on Online Retail
		121421467031	A.Preetham			
11		121421467027	Y.Anusha			Titanic Survival prediction
		121421467030	Rani Bafna			
12		121421467034	Obaid Abdul Hakeem Bawazeer			IRIS Classification
		121421467035	Sohail Abdul Hakeem Bawazeer			
13	B.Sc(MSCs )	121422467023	S.Parameshwari	Internship	Voice for Girls	Counsellor
14		121422467038	Tharuni Maria		Voice for Girls	Field Coordinator
15		121422467016	Mustafa Ali Baig		System Tron	Completed in AI & ML
16		121422467026	T. Hima Bindu		Voice for Girls	Counsellor
17		121422467025	Shani Chauhan		System Tron	Completed in Web Development
18		121422467017	N. Shivani		Simtrak	Graphic Desining

- **Feedback from stakeholders analysis and action taken report.**

**Recommendation 1:** Prof. Stevenson suggested that a structured remedial mechanism need to be implemented, right from conducting remedial classes to administering feedback from the students with respect to the improvement made for improving the pass percentage of the students. The members approved and ratified the Results.

**Action Taken:** Remedial / Tutorial classes are planned in the time table of Science programs where the pass percentage is relatively low & feedback is collected from students.

Department of Science Hods please furnish the remedial/tutorials conducted during the 23-24 year with number of students, dates, topics taught

**Department of Mathematics & Statistics**  
**Academic Year: 2023-24**  
**Remedial/ Tutorial**

**Odd /Even Semester**

**Class:** B. Sc (MSCs/MECs/MPCs) II year Semester-III

**Subject:** Mathematics-III

**Report:**

The remedial classes are conducted for B.Sc MSCs II year students after the class hours based on the performance of their Internal-I examinations and also to improve the knowledge

on fundamentals in the subject. Slip tests are conducted and evaluated to assess their improvement in the subject.

SL.No	Name of the Student	Roll No	Class/Group	Date	Topics
1	G Bhasker	121422467008	MSCs-II Yr	5th December 2023 to 5th March 2024	Problems Using Composition Table Theorem of order of an element Cyclic Group Every subgroup is Cyclic Every Cyclic group is abelian Permutation Group Cosets Boolean ring Theorems Principal Ideals,Maximam Ideals Kernal of Homomorphism
2	Hanuman Prasad vyas	121422467009	MSCs-II Yr	5th December 2023 to 5th March 2024	
3	M Jonathan Akhil	121422467010	MSCs-II Yr	5th December 2023 to 5th March 2024	
4	Md Ashar Adeeb	121422467014	MSCs-II Yr	5th December 2023 to 5th March 2024	
5	Sk Aftab Ahmed	121422467024	MSCs-II Yr	5th December 2023 to 5th March 2024	
6	Shani Chauhan	121422467025	MSCs-II Yr	5th December 2023 to 5th March 2024	
7	V Surya Vardhan	121422467027	MSCs-II Yr	5th December 2023 to 5th March 2024	
8	B Gowtham	121422467028	MSCs-II Yr	5th December 2023 to 5th March 2024	
9.	Y Akash	121422467033	MSCs-II Yr	5th December 2023 to 5th March 2024	
10	Aakash	121422467035	MSCs-II Yr	5th December 2023 to 5th March 2024	
11	G Yuva Teja	121422468005	MPCs-II Yr	5th December 2023 to 5th March 2024	
12	M Abhishek	121422468007	MPCs-II Yr	5th December 2023 to 5th March 2024	

13	G Sahith	121422468008	MPCs-II Yr	5th December 2023 to 5th March 2024
14	Karan Kalle	121422468009	MPCs-II Yr	5th December 2023 to 5th March 2024
15	G Tarun Goud	121422468011	MPCs-II Yr	5th December 2023 to 5th March 2024
16	Md Musheer Sohail	121422468013	MPCs-II Yr	5th December 2023 to 5th March 2024
17	A Hari Srikar	121422474002	MECs-II yr	5th December 2023 to 5th March 2024
	Noman Khan	121422474006	MECs-II yr	5th December 2023 to 5th March 2024
	S Narsimha	121422474008	MECs-II yr	5th December 2023 to 5th March 2024
	S Benjoshua	121422474009	MECs-II yr	5th December 2023 to 5th March 2024
	K Moses	121422474013	MECs-II yr	5th December 2023 to 5th March 2024
	G Sudeer	121422474015	MECs-II yr	5th December 2023 to 5th March 2024

**Class:** B. Sc (MSCsMPCs/MECs) III year Semester-V

**Subject:** Mathematics-V ( Linear Algebra)

**Report:**

The remedial classes are conducted for B.Sc III year students based on the performance of their Internal-I examinations and also to improve the knowledge on fundamentals in the subject. Slip tests are conducted and evaluated to assess their improvement in the subject.



SL.No	Name of the Student	Roll No	Class/Group	Date	Topics
1	K karthik	21474007	MECs-III Yr	5th December 2023 to 21th February 2024	Linear Algebra: Vector Space and Subspaces problems Subspace Theorems NULA, COLA Problems, Coordinate system problems, Dimensions Rank Theorem, Character Equation, Eigenvalues,Eigen Vectors, Diagonalization Theorem, Innerproduct space problems, Orthogonality ,Orthogonal sets, Orthonormal Sets
2	M Joel Anthony Raj	21474008	MECs-III Yr	5th December 2023 to 21th February 2024	
3	Md Omar Abdulla	21474009	MECs-III Yr	5th December 2023 to 21th February 2024	
4	T Adithya Singh	21474010	MECs-III Yr	5th December 2023 to 21th February 2024	
5	K Akhil Reddy	21474011	MECs-III Yr	5th December 2023 to 21th February 2024	
6	K Shashank	21474017	MECs-III Yr	5th December 2023 to 21th February 2024	
7	M Shashank Rao	21474019	MECs-III Yr	5th December 2023 to 21th February 2024	
8	B Rama Krishna	21474020	MECs-III Yr	5th December 2023 to 21th February 2024	
9.	S Chithanya	21474022	MECs-III Yr	5th December 2023 to 21th February 2024	
10	Md. Bin Sayeed	21474023	MECs-III Yr	5th December 2023 to 21th February 2024	
11	P Lokesh Kumar	21474026	MECs-III Yr	5th December 2023 to 21th February 2024	
12	Mirza Ali Baig	21474027	MECs-III Yr	5th December 2023 to 21th February 2024	
13	Devaraj Sai Teja	21468003	MPCs-III yr	5th December 2023 to 21th February 2024	

14	Joseph Rishwanth Reddy	21468007	MPCs-III yr	5th December 2023 to 21th February 2024	
15	V naga Sai Harsha	214688009	MPCs-III yr	5th December 2023 to 21th February 2024	
16	P Akash Reddy	21468010	MPCs-III yr	5th December 2023 to 21th February 2024	
17	T Vikranth	21468012	MPCs-III yr	5th December 2023 to 21th February 2024	
18	K Nagesh	21468013	MPCs-III yr	5th December 2023 to 21th February 2024	
19	Ch. sai Manideep	21468016	MPCs-III yr	5th December 2023 to 21th February 2024	
20	Syed Abdul Jabbar Hussain	21468018	MPCs-III yr	5th December 2023 to 21th February 2024	
21	J Upender	21468019	MPCs-III yr	5th December 2023 to 21th February 2024	
22	U Suresh	21468025	MPCs-III yr	5th December 2023 to 21th February 2024	
23	D Balakrishna	21467007	MSCs-III yr	5th December 2023 to 21th February 2024	
24	Elias Monecy	21467008	MSCs-III yr	5th December 2023 to 21th February 2024	
25	E Samson	21467009	MSCs-III yr	5th December 2023 to 21th February 2024	
26	T Ramu	21467022	MSCs-III yr	5th December 2023 to 21th February 2024	

27	Thomas Raju	21467025	MSCs-III yr	5th December 2023 to 21th February 2024
28	Y Abhishek	21467028	MSCs-III yr	5th December 2023 to 21th February 2024
29	A Preetham	21467031	MSCs-III yr	5th December 2023 to 21th February 2024
30	J Manideep	21467036	MSCs-III yr	5th December 2023 to 21th February 2024
31	V Jyothi	21467037	MSCs-III yr	5th December 2023 to 21th February 2024
32	T Sai Kiran	21467038	MSCs-III yr	5th December 2023 to 21th February 2024

**Class:** B. Sc (MSCs/MPCs/MECs) II year Semester-IV

**Subject:** Mathematics-IV

**Report:**

The remedial classes are conducted for B.Sc MSCs II year students as an extra help to understand the concepts especially, theorems after the class hours based on the performance of their Internal-I examinations and also to improve the knowledge on fundamentals in the subject. Slip tests are conducted and evaluated to assess their improvement in the subject.

SL.No	Name of the Student	Roll No	Class/Group	Date	Topics
1	G Bhasker	121422467008	MSCs-II Yr	5th December 2023 to 5th March 2024	<b>Problems Using Composition Table</b> <b>Theorem of order of an element</b> <b>Cyclic Group</b> <b>Every subgroup is Cyclic</b> <b>Every Cyclic group is abelian</b> <b>Permutation Group</b> <b>Cosets</b>
2	Hanuman Prasad vyas	121422467009	MSCs-II Yr	5th December 2023 to 5th March 2024	
3	M Jonathan Akhil	121422467010	MSCs-II Yr	5th December 2023 to 5th March 2024	

4	Md Ashar Adeeb	121422467014	MSCs-II Yr	5th December 2023 to 5th March 2024	<b>Boolean ring</b> <b>Theorems</b> <b>Principal Ideals,Maximam Ideals</b> <b>Kernal of Homomorphism</b>
5	Sk Aftab Ahmed	121422467024	MSCs-II Yr	5th December 2023 to 5th March 2024	
6	Shani Chauhan	121422467025	MSCs-II Yr	5th December 2023 to 5th March 2024	
7	V Surya Vardhan	121422467027	MSCs-II Yr	5th December 2023 to 5th March 2024	
8	B Gowtham	121422467028	MSCs-II Yr	5th December 2023 to 5th March 2024	
9.	Y Akash	121422467033	MSCs-II Yr	5th December 2023 to 5th March 2024	
10	Aakash	121422467035	MSCs-II Yr	5th December 2023 to 5th March 2024	
11	G Yuva Teja	121422468005	MPCs-II Yr	5th December 2023 to 5th March 2024	
12	M Abhishek	121422468007	MPCs-II Yr	5th December 2023 to 5th March 2024	
13	G Sahith	121422468008	MPCs-II Yr	5th December 2023 to 5th March 2024	
14	Karan Kalle	121422468009	MPCs-II Yr	5th December	

				2023 to 5th March 2024	
15	G Tarun Goud	1214222468011	MPCs-II Yr	5th December 2023 to 5th March 2024	
16	Md Musheer Sohail	1214222468013	MPCs-II Yr	5th December 2023 to 5th March 2024	
17	A Hari Srikar	1214222474002	MECs-II yr	5th December 2023 to 5th March 2024	
18	Noman Khan	1214222474006	MECs-II yr	5th December 2023 to 5th March 2024	
19	S Narsimha	1214222474008	MECs-II yr	5th December 2023 to 5th March 2024	
20	S Benjoshua	1214222474009	MECs-II yr	5th December 2023 to 5th March 2024	
21	K Moses	1214222474013	MECs-II yr	5th December 2023 to 5th March 2024	
22	G Sudeer	1214222474015	MECs-II yr	5th December 2023 to 5th March 2024	
23	Rudraprathap Singh	1214222468004	MPCs-II yr	5th December 2023 to 5th March 2024	
24	S SSathbeer Singh	1214222474020	MECs-II yr	5th December 2023 to 5th March 2024	

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 IInd MECS & MPCs.  
 Remedials.  
 9.15 AM

Roll No	class	Name
121422468004	MPCS (IIA)	Rudra Pratap Singh
121422474000	MEC'S (IIA)	S. Sathbeer Singh.
121422468009	MPCS (IIA)	H. HAFAN.
121422474008	MEC'S (IIA)	Shavasimha
121422474032	MEC'S (IIA)	Damitaja.
121422474004	MEC'S (IIA)	<del>Prince</del>
121422474010	MPCS (IIA)	Susheeli Roy
121422474011	MECS (IIA)	T. Brunda
121422474001	MECS (IIA)	A Tejaswini
121422474005	MECS (IIA)	K. Aparna
121422474027	MECS (IIA)	Mohd. Akram
121422474006	MECS (IIA)	Noman Khan
121422474023	MECS (IIA)	Firas Adil

SUBJECT-WISE ATTENDANCE		Class: MSc-II B Subject: <sup>Mathematics - VII</sup> Algebra									
Hour/Period		VI	VII	VII	VI	VI	VI	VII	VI	VII	
Month		December		January			February		March		
Date		5	14	04	09	30	09	13	16	22	23
Sign of the Lecturer		(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10
1214-22-											
467001	Anand Patil	A	1	A	A	2	3	4	A	A	A
7002	Anthony Trimon Jones	1	2	3	4	5	6	7	8	9	10
7003	Bonagiri Chaneeth	1	A	2	A	3	4	5	6	7	8
7004	Comalubhwarampet Anish	1	2	3	4	5	6	A	A	A	A
7006	Dongari Charan Raj	A	A	1	2	3	4	A	5	6	7
7007	G. Nikith Sharma	1	2	3	A	A	4	A	A	A	5
7008	Gopali Nehemiah Bhastiar	A	1	2	3	4	A	5	6	7	8
7009	Hanuman Prasad Vyas	A	1	2	3	A	4	5	6	A	7
7010	M. Jonathan Akhil	A	1	A	A	2	3	A	A	4	5
7011	Madikanti Kirthana	1	2	3	4	5	6	A	7	8	9
7013	Md. Subair Ali	1	2	A	3	A	4	A	5	A	6
7014	Mohammed Ashar Adeb	A	A	1	A	2	3	4	5	A	6
7016	Mustafa Ali Baig	A	1	A	A	2	3	A	4	5	6
7017	N. Shivani	1	2	3	4	5	A	A	6	7	8
7018	Nandini Thakur	1	2	3	4	5	6	A	7	8	9
7019	P. Sri Mani Shankar	1	2	3	4	5	6	7	8	A	9
7020	Prathipati Sai Manoj	1	2	3	A	4	5	6	7	8	9
7021	Rachuri Soumya	1	2	3	A	4	5	6	7	A	8
7022	Rasam Sai Karthik	1	2	3	4	5	A	A	6	7	8
7023	S. Parameshwari	1	2	3	4	5	6	7	8	9	10
7024	Shaik Aftab Ahmed	1	A	2	A	3	4	A	5	6	7
7025	Shani Chauhan	1	2	3	4	5	6	7	8	9	10
7026	Tanneru Hima Bindu	1	2	3	4	5	6	A	7	8	9
7027	V. Swiya Vaidhan	1	2	3	4	5	6	A	7	8	9
7028	Bandhana Gowtham	1	2	3	A	A	4	A	5	A	6
7029	Takuri Snehit	1	2	3	A	4	5	6	7	8	9
7031	Gudreti Himansh	1	2	3	A	4	5	6	7	A	8
7032	Srinadu Chaitanya	1	A	2	A	3	4	A	5	6	7
7033	Yelge Akash	A	A	1	A	2	3	4	5	A	6
7034	Kalipally Abhinav	1	A	A	A	2	3	4	5	6	7
7035	Y. Akash	A	A	A	A	A	1	2	A	3	4

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Class: B. Sc (MSCsMPCs/MECs) III year Semester-V  
 Subject: Mathematics-V ( Linear Algebra)

Report:

The remedial classes are conducted for B.Sc III year students based on the performance of their Internal-I examinations and also to improve the knowledge on fundamentals in the subject. Slip tests are conducted and evaluated to assess their improvement in the subject.

SL.No	Name of the Student	Roll No	Class/Group	Date	Topics
1	K karthik	21474007	MECs-III Yr	5th December 2023 to 21th February 2024	<b>Linear Algebra:</b> <b>Vector Space and Subspaces problems</b> <b>Subspace Theorems</b> <b>NULA, COLA Problems,</b> <b>Coordinate system problems,</b> <b>Dimensions Rank Theorem,</b> <b>Character Equation,</b> <b>Eigen values,Eigen Vectors,</b> <b>Diagonalization Theorem,</b> <b>Innerproduct space problems,</b> <b>Ortogonalitty</b> <b>,Orthogonal sets,</b> <b>Orthonormal Sets</b>
2	M Joel Anthony Raj	21474008	MECs-III Yr	5th December 2023 to 21th February 2024	
3	Md Omar Abdulla	21474009	MECs-III Yr	5th December 2023 to 21th February 2024	
4	T Adithya Singh	21474010	MECs-III Yr	5th December 2023 to 21th February 2024	
5	K Akhil Reddy	21474011	MECs-III Yr	5th December 2023 to 21th February 2024	
6	K Shashank	21474017	MECs-III Yr	5th December 2023 to 21th February 2024	
7	M Shashank Rao	21474019	MECs-III Yr	5th December 2023 to 21th February 2024	
8	B Rama Krishna	21474020	MECs-III Yr	5th December 2023 to 21th February 2024	
9.	S Chithanya	21474022	MECs-III Yr	5th December 2023 to 21th February 2024	
10	Md. Bin Sayeed	21474023	MECs-III Yr	5th December 2023 to 21th February 2024	
11	P Lokesh Kumar	21474026	MECs-III Yr	5th December 2023 to 21th February 2024	



12	Mirza Ali Baig	21474027	MECs-III Yr	5th December 2023 to 21th February 2024
13	Devaraj Sai Teja	21468003	MPCs-III yr	5th December 2023 to 21th February 2024
14	Joseph Rishwanth Reddy	21468007	MPCs-III yr	5th December 2023 to 21th February 2024
15	V naga Sai Harsha	214688009	MPCs-III yr	5th December 2023 to 21th February 2024
16	P Akash Reddy	21468010	MPCs-III yr	5th December 2023 to 21th February 2024
17	T Vikranth	21468012	MPCs-III yr	5th December 2023 to 21th February 2024
18	K Nagesh	21468013	MPCs-III yr	5th December 2023 to 21th February 2024
19	Ch. sai Manideep	21468016	MPCs-III yr	5th December 2023 to 21th February 2024
20	Syed Abdul Jabbar Hussain	21468018	MPCs-III yr	5th December 2023 to 21th February 2024
21	J Upender	21468019	MPCs-III yr	5th December 2023 to 21th February 2024
22	U Suresh	21468025	MPCs-III yr	5th December 2023 to 21th February 2024
23	D Balakrishna	21467007	MSCs-III yr	5th December 2023 to 21th February 2024
24	Elias Moncy	21467008	MSCs-III yr	5th December 2023 to 21th February 2024

25	E Samson	21467009	MSCs-III yr	5th December 2023 to 21th February 2024
26	T Ramu	21467022	MSCs-III yr	5th December 2023 to 21th February 2024
27	Thomas Raju	21467025	MSCs-III yr	5th December 2023 to 21th February 2024
28	Y Abhishek	21467028	MSCs-III yr	5th December 2023 to 21th February 2024
29	A Preetham	21467031	MSCs-III yr	5th December 2023 to 21th February 2024
30	J Manideep	21467036	MSCs-III yr	5th December 2023 to 21th February 2024
31	V Jyothi	21467037	MSCs-III yr	5th December 2023 to 21th February 2024
32	T Sai Kiran	21467038	MSCs-III yr	5th December 2023 to 21th February 2024

**Class:** B. Sc (MSCs/MPCs/MECs) III year

Semester-VI

**Subject:** Mathematics-VII (Numerical analysis) & VIII (Number Theory & Integral Calculus)

**Report:**

The remedial classes are conducted for B.Sc III year students based on the performance of their Internal-I examinations and also to improve the knowledge on fundamentals in the subject. Slip tests are conducted and evaluated to assess their improvement in the subject.

SL.No	Name of the Student	Roll No	Class/Group	Date	Topics
1	K karthik	21474007	MECs-III Yr	5th December 2023 to 21th February 2024	<b>Numerical Analysis: Bisection Method</b>

2	M Joel Anthony Raj	21474008	MECs-III Yr	5th December 2023 to 21th February 2024	<b>Newtons Method</b> <b>Secant Method,</b> <b>Iteration Method</b> <b>Transcendental equation Problems</b> <b>Lagranges Polynomial one , two degree and error problems</b> <b>Newtons differences problems,</b> <b>Neville's problems</b> <b>Hermite Polynomial Problems,</b> <b>Differentiation Problems, Integration Problems</b> <b>RK Method Problems,</b> <b>Taylor's problems</b> <b>Euler's method problems</b> <b>Integral Calculus:</b> <b>Line Integral Problems, Double Integrals Triple Integrals</b> <b>Change of Order Problems</b> <b>Box Problems</b> <b>Complex Analysis:</b>
3	Md Omar Abddulla	21474009	MECs-III Yr	5th December 2023 to 21th February 2024	
4	T Adithya Singh	21474010	MECs-III Yr	5th December 2023 to 21th February 2024	
5	K Akhil Reddy	21474011	MECs-III Yr	5th December 2023 to 21th February 2024	
6	K Shashank	21474017	MECs-III Yr	5th December 2023 to 21th February 2024	
7	M Shashank Rao	21474019	MECs-III Yr	5th December 2023 to 21th February 2024	
8	B Rama Krishna	21474020	MECs-III Yr	5th December 2023 to 21th February 2024	
9.	S Chithanya	21474022	MECs-III Yr	5th December 2023 to 21th February 2024	
10	Md. Bin Sayeed	21474023	MECs-III Yr	5th December 2023 to 21th February 2024	
11	P Lokesh Kumar	21474026	MECs-III Yr	5th December 2023 to 21th February 2024	
12	Mirza Ali Baig	21474027	MECs-III Yr	5th December 2023 to 21th February 2024	
13	Devaraj Sai Teja	21468003	MPCs-III yr	5th December 2023 to 21th February 2024	
14	Joseph Rishwanth Reddy	21468007	MPCs-III yr	5th December 2023 to 21th February 2024	

15	V naga Sai Harsha	214688009	MPCs-III yr	5th December 2023 to 21th February 2024	<b>Cauch's Integrals, Loullies theorem Theorems and Problems Examples</b>
16	P Akash Reddy	21468010	MPCs-III yr	5th December 2023 to 21th February 2024	
17	T Vikranth	21468012	MPCs-III yr	5th December 2023 to 21th February 2024	
18	K Nagesh	21468013	MPCs-III yr	5th December 2023 to 21th February 2024	
19	Ch. sai Manideep	21468016	MPCs-III yr	5th December 2023 to 21th February 2024	
20	Syed Abdul Jabbar Hussain	21468018	MPCs-III yr	5th December 2023 to 21th February 2024	
21	J Upender	21468019	MPCs-III yr	5th December 2023 to 21th February 2024	
22	U Suresh	21468025	MPCs-III yr	5th December 2023 to 21th February 2024	
23	D Balakrishna	21467007	MSCs-III yr	5th December 2023 to 21th February 2024	
24	Elias Moncy	21467008	MSCs-III yr	5th December 2023 to 21th February 2024	
25	E Samson	21467009	MSCs-III yr	5th December 2023 to 21th February 2024	
26	T Ramu	21467022	MSCs-III yr	5th December 2023 to 21th February 2024	
27	Thomas Raju	21467025	MSCs-III yr	5th December 2023 to 21th February 2024	

28	Y Abhishek	21467028	MSCs-III yr	5th December 2023 to 21th February 2024	
29	A Preetham	21467031	MSCs-III yr	5th December 2023 to 21th February 2024	
30	J Manideep	21467036	MSCs-III yr	5th December 2023 to 21th February 2024	
31	V Jyothi	21467037	MSCs-III yr	5th December 2023 to 21th February 2024	
32	T Sai Kiran	21467038	MSCs-III yr	5th December 2023 to 21th February 2024	

SUBJECT-WISE ATTENDANCE		Class:										Subject:									
Hour/Period		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Month		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Date		5	6	12	13	20	3	9	11	17	30										
Signature of the Lecturer																					
Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10										
MECS																					
4007	K. Karthik Raman	A	1	✓	3	4	A	A	5	6	A										
4008	M Joel Anthony Raj	A	A	A	A	1	2	A	3	4	5										
4009	MD. Omar Abdullah	A	1	✓	A	3	4	A	5	A	A										
4010	Thakur Adithya Singh	A	1	✓	A	3	A	A	4	5	6										
4011	K. Akil Reddy	A	1	✓	3	4	A	A	5	A	6										
4017	K. Shashank	1	2	3	4	5	A	A	6	7	8										
4019	M. Shashank Rao	A	A	1	A	2	A	A	3	A	A										
4020	B. Rama Krishna	A	A	1	✓	5	A	A	4	A	5										
4022	Samala Chaitanya	A	A	A	1	✓	A	A	3	A	4										
4023	Md. Bin Sayeed	A	A	A	A	A	A	A	A	A	A										
4026	P. Lokesh Kumar	A	A	A	A	A	A	A	A	A	A										
4027	Mirza Ali Baig	A	A	1	A	✓	A	A	A	A	A										
MPLS																					
8003	Devraj Sai Teja	A	A	A	A	1	A	A	A	2	3										
8007	Joseph Rishwanth Reddy	1	A	2	3	A	5	A	6	A	A										
8009	V. Naga Sri Harsha	A	A	A	A	A	A	A	1	2	3										
8010	P. Akash Reddy	1	✓	A	3	4	A	5	6	7	8										
8012	T. Vikramth	1	A	A	A	2	A	A	3	A	4										
8013	K. Nagesh	1	A	2	3	A	A	A	4	5	6										
8016	Ch Sai Manideep	A	A	A	✓	A	A	3	4	A	5										
8018	Syed. Abdul Jabbar Hussain	1	A	2	A	A	A	3	4	5	A										
8019	J. Vpender	1	A	A	✓	3	A	4	A	5	A										
8025	U. Suresh	A	A	1	A	A	A	2	3	A	4										
MSES																					

Total Stre									
7	7	7	7	7	7	7	7	7	7
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	13	14	20	21					
21	13	14	20	21					
11	12	13	14	15					
7	8	9	10	A					
6	7	8	9	10					
6	A	A	7	6					
7	8	9	10	11					
2	A	A	A	A					
9	A	A	A	11					
4	A	A	6	7					
6	A	A	5	A					
5	A	8	7	A					
A	A	A	A	A					
1	A	A	A	A					
A	A	A	A	A					
4	A	A	A	A					
A	A	A	A	A					
4	A	A	5	6					
5	A	A	10	11					
5	A	6	7	8					
7	A	A	8	9					
6	A	A	7	8					
6	A	7	A	8					
6	A	7	8	9					
5	A	A	6	A					

SUBJECT-WISE ATTENDANCE		Class:					Subject:				
Hour/Period		5	6	7	8	9	10	11	12	13	14
Month		12	12	12	12	12	1	1	1	1	2
Date		7	14	15	21	22	4	11	12	18	1
Sign of the Lecturer		9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10
	MScs										
7007	D. Balakrishna	1	2	3	A	A	4	5	6	7	
7008	E. Elias Moncy	1	2	3	4	A	5	6	7	8	9
7019	E. Samson	1	2	3	A	A	4	5	6	7	
7022	F. Ramu	1	2	A	3	4	A	5	6	7	
7025	Thomas Raju Fernandez	A	A	A	1	A	2	3	4	5	
7028	Y. Abhishek	1	2	A	A	3	4	5	6	7	8
7031	A. Preetham	A	1	2	A	3	4	A	5	6	7
7036	J. Mandep	1	A	A	A	3	4	A	5	6	
7037	V. Jyothi	A	A	A	A	A	1	2	3	A	4
7038	T. Sri Kiran	A	1	2	3	A	A	4	A	A	5

Total Strength :																	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1	9/1
11	12	13	14	15	16	17	18										
8	9	10	A	A	A	11											
10	11	12	13	A	14	A											
8	9	10	11	12	13	A											
8	9	10	11	A	12	13											
6	7	8	9	10	11	12											
9	10	11	12	13	14	15											
8	9	8	9	10	11	12											
7	8	9	10	11	12	13											
5	6	7	8	9	10	11											
6	7	8	A	9	10	11											

- Innovations in curriculum. - list of new courses/ programmes, introduced, new content introduced with 20% or more...etc.)-Nil

## II. Teaching-Learning and Evaluation

- List of Faculty during 23-24 (faculty pursuing PhD. place in brackets)

S. No	Name	Qualifications	Designation	Experience
1	Mr. D. Srinivas Reddy	M.Sc., M. Phil., B. Ed	Associate Professor	26
2	Mrs. G. Sunitha	M. Sc(Mathematics)	Assistant Professor	24
3	Ms. S. Vijayalaxmi	M.Sc.(Statistics)	Assistant Professor	12
4	Mrs. J. Harika	M. Sc (Mathematics with Computer Science)	Assistant Professor	7& half years
5	Dr. M. Sathyanarayana	M.Sc., Ph.D.	Assistant Professor	3
6	Mrs. B. Mallika	M.Sc.(Statistics), B. Ed	Assistant Professor	20

- **Faculty orientation**

S.No	Name of the Faculty	
1	Mr. D. Srinivas Reddy	Oriented on Mathematics Projects to B.Sc. Final year students on 20 <sup>th</sup> June 2023
2	Ms. S. Vijayalaxmi	Oriented on Joseph's Out Reach Cell to 2 <sup>nd</sup> year B.Sc on 12 <sup>th</sup> June 2023.
		Oriented on Statistics Projects to B.Sc MSCs-III year students on 20 <sup>th</sup> June 2023.
		Oriented on Joseph's Out Reach Cell to UG first year students on 19 <sup>th</sup> July 2023.
3	Mrs. J. Harika	Oriented on Mathematics elective Papers for Semester-V & VI

- **Program-wise Enrollment ratio**

S.No.	Year	Programme	Enrollment Ratio
1	I	B.Sc MSCs	1 : 0.8
		B.Sc MPCs	1 : 0.6
		B.Sc MECs	1 : 0.35
2	II	B.Sc MSCs	1 : 0.85
		B.Sc MPCs	1 : 0.3
		B.Sc MECs	1 : 0.8
3	III	B.Sc MSCs	1 : 0.875
		B.Sc MPCs	1 : 0.475
		B.Sc MECs	1 : 0.55



- Programme Wise strength

S.No.	Year	Programme	No. of Students
1	I	B.Sc MSCs	32
		B.Sc MPCs	24
		B.Sc MECs	14
2	II	B.Sc MSCs	34
		B.Sc MPCs	12
		B.Sc MECs	32
3	III	B.Sc MSCs	35
		B.Sc MPCs	19
		B.Sc MECs	22

- **Diagnostic Tests**



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King Koti Road, Hyderabad

**Department of Mathematics and Statistics**

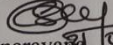
**NOTICE**

Ref No: SJC/MS/ 31.07.2023/04

Date: 31.07.2023

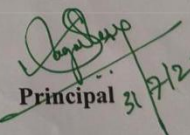
This is to inform all the B.Sc(MSCs/MPCs/MECs) first year students that the Department of Mathematics & Statistics has planned to conduct "Diagnostic Test" on 03.08.2023 at 1.10 PM.

**Faculty Coordinator:**

Mr. M.Sathyanarayana  31/07/2023

HoD  31/7/23

Mr. D. Srinivas Reddy

  
Principal 31/7/23

Rev. Fr. Anthony Sagayaraja

## ST. JOSEPH'S DEGREE & PG COLLEGE

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King Koti Road, Hyderabad

### ACTIVITY REPORT

#### General Information

Type of Activity	<b>Diagnostic test for B.sc(MSCs/MPCs/MECs)-I years</b>
Title of the Activity	Bridge Course
Date	03-08-2023
Time	1:10pm-2:10 pm
Venue	Room.No-508

#### Convener Details

Name	<b>Mr.M.Sathyanarayana</b>
Title/Position	Asst. Professor, Department of Mathematics & Statistics
Organization	St. Joseph's Degree and PG College

#### Participants Profile

Type of Participants	Students of I year B.sc(MSCs/MPCs MECs)
No. of Participants	62

#### Synopsis of the Activity (Description)

Highlights of the Activity	Question paper on Basics of +2 was given
Key Takeaways	Students can check their Elementary knowledge in their chosen Subject of
Summary of the Activity	Students with minimum marks are asked to attend the bridge courses conducted by the Department of Mathematics & Statistics
Follow-up plan	After Bridge course classes, a test is conducted to check their improvement in the fundamental concepts

#### Report prepared by:

Name of the Organiser	Mr.M.Sathyanarayana
Designation/Title	Asst.Professor, Department of Mathematics & Statistics
Signature	

## ST. JOSEPH'S DEGREE & PG COLLEGE



(Autonomous), Affiliated to Osmania University  
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King Koti Road, Hyderabad  
Department of Mathematics and Statistics  
B.Sc (MSCs) First year  
Academic Year-2023-2024  
Diagnostic test Attendance

S. NO	ROLL NO	NAME OF THE STUDENT	Signature of the student
1	121423467001	A LOKESH	A. Lokesh
2	121423467002	BANOTH VIKAS	Banoth Vikas
3	121423467003	G SANKEERTHAN REDDY	G Sankeethan Reddy
4	121423467004	GADDAMWAR SRIVARDHAN	Gaddamwar Srivardhan
5	121423467005	GAFOOR SAB PATIL	Gafoor
6	121423467006	JAVAJI SHIVA KUMAR GOUD	J Shiva
7	121423467007	K VAISHNAV DAS	K. Vaishnav
8	121423467008	KARNATI BHAVANI	K. Bhavani
9	121423467009	KAVYA TALWAR	Kavya
10	121423467010	KUKKUDAPU SREEVALLI	Kukkudapu Sreevalli
11	121423467011	LATEEF HAYATH MOHAMMED	Lateef
12	121423467012	LAVLEEN BHARAT NAVANI	Lavleen
13	121423467013	MAYANK A SHAH	Mayank
14	121423467014	MOHAMMED ABDUL SUBHAN	Subhan
15	121423467015	MOHAMMED YOUNUS	Younus
16	121423467016	MOHD OWAISUDDIN	Omais
17	121423467017	MUNUGOTI AMOGH	M. Amogh
18	121423467018	NAGELLI PREMSAGAR ROBIN	
19	121423467019	NOOLI RISHIKESH	Rishikesh
20	121423467020	PATHURI VARSHITH	Varshith
21	121423467021	PEDDI JEEVIKA	P. Jeevika

22	121423467022	POLISHETTI DEEKSHITH	<del>PSA</del>
23	121423467023	PRARTHANA THAKUR	Prarthana Thakur
24	121423467024	RIYAN KANANI	
25	121423467025	SANCHITA DILLIKAR	sanchita dillikar
26	121423467026	SUKOORI HANOCH	
27	121423467027	SYED SHARIHUDDIN	<del>Star</del>
28	121423467028	B. Bharath	<del>Star</del>
29	121423467029	G. Shetty	Gh.
30	121423467030	N. Samhosh	Sanj



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King Koti Road, Hyderabad

Department of Mathematics and Statistics

B.Sc (MPCs) First year

Academic Year-2023-2024

Diagnostic test Attendance

S. NO	ROLL NO	NAME OF THE STUDENT	Signature of the student
1	121423468001	AARATI DARAI	<i>Aarati</i>
2	121423468002	ALI ABDULLA BAMAROUF	<i>Ali</i>
3	121423468003	AVULA ARAVINDU	
4	121423468004	AVUTHU ROHITH REDDY	<i>A. Rohith</i>
5	121423468005	DADALA CHERRY SAMUEL	
6	121423468006	GANGALA VENKATA VAISHNAV	<i>Gangala</i>
7	121423468007	HAMEEDA KHATOON RAFIA	<i>Hameeda</i>
8	121423468008	K QUENCY MELCHIZEDEK	<i>Quency</i>
9	121423468009	KASIMKOTA SARDHVIK	<i>K. Sardhvik</i>
10	121423468010	KATAKAM ANKITHA	<i>Anki</i>
11	121423468011	KAUSTAV DHOLE	<i>Kaustav</i>
12	121423468012	KUNDAN KUMAR	<i>Kundan</i>
13	121423468013	M AKHIL YADAV	<i>M. Akhil Yadav</i>
14	121423468014	MOHAMMED AFFAN	<i>Affan</i>
15	121423468015	MOHAMMED MUKARAM ALI	<i>Mukaram</i>
16	121423468016	NAIF AHMED SAEED QAMRAN	
17	121423468017	SAKA KAMALAKAR	<i>S. Kamalakar</i>
18	121423468018	T SHYAMSUNDAR REDDY	<i>T. Shyam Sundar Reddy</i>
19		A. VINAY KUMAR	<i>A. Vinay</i>
20		R. Abhishek	<i>R. Abhishek</i>
21	12142346019	MD. HYDER ALI	<i>Hyder</i>



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King Koti Road, Hyderabad

Department of Mathematics and Statistics

B.Sc (MECs) First year Orientation

Academic Year-2023-2024

Diagnostic test Attendance

S. NO	ROLL NO	NAME OF THE STUDENT	Signature of the student
1	121423474001	BASIL ALI	BASIL A21
2	121423474002	CALVIN ANDREW DCRUZ	
3	121423474003	CHADALAWADA SHALIN	
4	121423474004	DOUL THABAD SUJITH KUMAR	
5	121423474005	EDUNOORI CHAITRA TEJA	
6	121423474006	MOHAMMED MUSADIQ	
7	121423474007	SHAIK ADEEB UR RAHAMAN	
8	121423474008	SUBHOM CHAKRABARTY	
9	121423474009	SYED SHAH HYDER QUADRI	
10	121423474010	TIRUMANI CHETAN	
11	121423474010	MOHD Abdul Muddasser	

- Bridge courses



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**Department of Mathematics and Statistics**

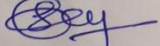
**NOTICE**

Ref No: SJC/MS/ 07.08.2023/05

Date: 07.08.2023


This is to inform all the B.Sc(MSCs/MPCs/MECs) first year students that the Department of Mathematics & Statistics has planned to conduct “**Bridge Course Classes**” from 7<sup>th</sup> August 2023 to 14<sup>th</sup> August 2023 at 2.00 PM.

**Faculty Coordinator:**

  
Mr. M. Sathyanarayana

  
**HoD**

Mr. D. Srinivas Reddy

  
**Principal**

Rev. Fr. Anthony Sagayaraja



SUBJECT-WISE ATTENDANCE		Class:		Subject:											
Hour/Period		7	6	7	7	6	6	7	6	5	5				
Month		August													
Date		7	8	9	10	11	14	16	17	18	19				
Sign of the Lecturer		[Signatures]													
Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10				

IR14R3467 MSCs															
004	Gadlamuru Srivardhan	1	✓	A	3	A	4	5	6	7	A				
006	Taraji Shiva Kumar Gaud	1	A	A	✓	A	A	A	3	4	A				
008	Kaurati Bhavani	1	✓	3	4	5	A	6	7	8	A				
010	Kukkudapu Sreevali	1	A	✓	3	A	4	A	5	A	6				
015	Mohammed Younus	1	✓	3	4	A	A	A	5	6	7				
018	Nageli Premnagar Robin	1	✓	A	7	4	A	5	6	7	A				
019	Nooli Pishikesh	1	✓	3	4	A	A	5	6	7	A				
020	Pathurzi Varshitha	1	✓	3	4	A	A	A	A	5	6				
024	Riyan Kamani (Left the college)	A	A	A	A	A	A	A	A	A	A				
025	Sanchita Pillikan	1	✓	3	4	5	6	7	8	9	10				
026	Sukoori Hanoch	A	A	A	A	A	A	A	A	A	A				
028	B. Bharath	A	1	✓	3	A	4	5	6	7	A				
030	N. Santhosh	A	1	✓	3	4	5	6	7	8	A				

IR14R3468 MPCs															
002	Ali Abdulla Bamaraut	1	✓	A	3	4	A	5	6	7	A				
003	Anula Aravindu	A	1	✓	3	4	A	5	6	7	8				
004	Avuthu Pohithu Reddy	1	✓	3	4	5	A	A	6	7	8				
005	Kadala Cherry Samuel	A	A	1	A	A	A	A	A	A	A				
006	Gangala Venkata Vaishnav	1	✓	3	A	A	4	A	5	6	7				
007	Hameeda Khatun Rafia	1	✓	3	4	5	6	7	8	9	10				
008	K. Quency Melchizedek	1	A	✓	3	4	5	6	7	8	9				
009	Kasimkote Saadhvik	1	A	✓	3	4	5	6	7	A	8				
012	Kundan Kumar	1	A	✓	3	A	4	5	6	7	A				
013	M. Akhil Yadav	1	A	✓	3	4	5	6	7	8	A				
014	Mohammed Aftan	1	A	✓	3	A	A	A	A	A	A				
015	Mohammed Mukarram Ali	1	✓	3	4	5	6	7	8	9	10				
016	Naid Ahmed Saeed Gamaan	A	1	✓	3	4	A	5	6	A	7				
017	Saka Kamalakar	1	✓	3	4	A	5	6	7	A	A				
018	T. Shyam Sundar Reddy	1	✓	3	4	5	6	7	8	9	A				
019	MD. Hyder Ali	1	A	✓	3	4	5	6	7	8	A				

SUBJECT-WISE ATTENDANCE		Class:		Subject:											
Hour/Period		7	8	9	10	11	12	13	14	15	16	17	18	19	
Month		8	8	8	9	August									
Date		7	8	9	10	11	12	13	14	15	16	17	18	19	
Sign of the Lecturer		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]	
Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	
IR14R3468	-														
020	R. Abishek	1	✓	3	4	A	5	6	7	8	A				
021	A. Vinay Kumar	1	✓	3	4	A	5	6	7	8	A				
IR14R3474	MEU														
001	Basil Ali	A	A	1	✓	A	A	3	4	5	A				
003	Chadalanada Shalin	A	✓	3	4	5	A	A	6	8	A				
004	Azul Thabed Sujith Kumar	A	1	✓	3	4	5	6	7	8	9				
005	Edu-noori Chaitra Tiya	A	A	A	A	A	A	A	A	A	A				
006	Mohammed Musadiq	1	A	✓	3	4	5	6	7	8	8				
008	Subhom Chakrabarty	1	✓	3	4	5	6	7	8	9	A				
009	Syed Shah + Syed Qasbi	A	1	✓	3	4	5	6	7	8	9				
010	Tijumani Chetan	1	✓	3	4	5	A	6	7	8	9				



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**Department of Mathematics and Statistics**

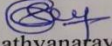
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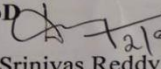
Ref No: SJC/MS/ 02.09.2023/05

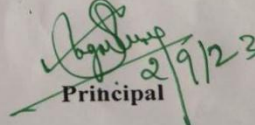
Date: 02.09.2023

This is to inform all the B.Sc(MSCs/MPCs/MECs) first year students that the Department of Mathematics & Statistics has planned to conduct "Bride Course Test" on 04.09.2023 at 11.30 AM.

**Faculty Coordinator:**

  
Mr. M.Sathyanarayana

**HoD**   
Mr. D. Srinivas Reddy

  
Principal  
2/9/23  
Rev. Fr. Anthony Sagayaraja

## ST. JOSEPH'S DEGREE & PG COLLEGE



(Autonomous), Affiliated to Osmania University  
Re-accredited by NAAC (3<sup>rd</sup> Cycle) with B<sup>++</sup>  
King Koti Road, Hyderabad  
Department of Mathematics and Statistics  
B.Sc (MSCs) First year  
Academic Year-2023-2024  
Bride Course test Attendance

S. NO	ROLL NO	NAME OF THE STUDENT	Signature of the student
1	121423467004	GADDAMWAR SRIVARDHAN	
2	121423467006	JAVAJI SHIVA KUMAR GOUD	
3	121423467008	KARNATI BHAVANI	
4	121423467010	<del>KUKKUDAPU SREEVALI</del> V. Yogendra	
5	121423467015	MOHAMMED YOUNUS	
6	121423467018	NAGELLI PREMSAGAR ROBIN	
7	121423467019	NOOLI RISHIKESH	
8	121423467020	PATHURI VARSHITH	
9	121423467024	<del>RIYAN KANANI K. Sai Rohith</del>	
10	121423467025	SANCHITA DILLIKAR	
11	121423467026	<del>SUKOORI HANOECH K. Sathvik</del>	
12	121423467028	B.BHARATH	
13	121423467030	N.SANTHOSH	
14	12142346732	C. Archana	C. Archana



**ST. JOSEPH'S DEGREE & PG COLLEGE**  
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King Koti Road, Hyderabad

**Report on Bridge Course**  
**Academic year 2023-24**  
**B.Sc I Year**

**Name of the Faculty:** Mr. M. Sathyanarayana

The main objective of the Bridge Course test is to bridge the gap between the subjects they have studied at their basic and intermediate level and the subjects they would be studying in graduation which helps them to study their core subjects easily. After the commencement of the classes the diagnostic test is conducted. The test was conducted on 03.08.2023 for B. Sc first year students on the subject of Mathematics and Statistics which includes the concepts of differential equations and calculus, vector spaces, Probability, Functions, Linear Algebra, Trigonometry, etc ., A total of 52 students from B. Sc (MSCs), 27 students from B. Sc (MPCs), 18 students from B. Sc (MECs), 07 students attended for this test. After the completion of this test students have been guided with some suggestions for improvisation by planning Bridge Course for the students who secured below 12 marks out of 25 marks from 07.08.2023 to 19.08.2023 then followed by the Bridge Course test on 04.09.2023. After the test there was improvement in the students' performance and secured more than 12 marks.

**Outcome:**

The students got benefitted by the bridge course by improving their fundamentals.

- **Advanced learner programs**

**Department of Mathematics & Statistics**

Academic Year: 2023-2024

Odd Semester

**Name of the Faculty:** Mrs. J. Harika

**Class & Sec:** B. Sc MSCs IIyr

**Semester:** III

**Subject:** Mathematics-III(Real Analysis)

**Advance Learners:**

Students were asked to give Power Point presentations on real life applications of Real Analysis in various fields which helps them to acquire domain knowledge of the subject. They presented variety of applications in the field of Engineering, Computer Science, economics, Finance etc.

S.No	Roll No	Name of the Student
1	121422467002	Anthony Timon Jones
2	121422467019	P. ManiShankar
3	121422467017	N. Shivani
4	121422467018	Nandini Thakur
5	121422467028	A. Goutham

**Name of the Faculty:** Mrs. J. Harika

**Class & Sec:** B. Sc MSCs, MPCs & MECs III yr

**Semester:** V

**Subject:** Mathematics-VI (Complex Analysis)

**Advance Learners:**

Peer group learning activity was given to the advance learners in the class. They were asked to solve the problems based on the concept they have learnt in the class. After solving the problem, they were asked to explain in the class.

S.No	Roll No	Name of the Student
1	121421467013	Manoj Kumawat
2	121421467027	Y. Anusha
3	121421467032	A. Vivekananda

4	121421467039	Syed Usman Adnan Ali
5	121421468006	Sowmya
6	121421468001	Moksha Prasunadh
7	121421468020	Bhoomika Singh
8	121421474004	Manikanta Sai

### **Department of Mathematics & Statistics**

Academic Year: 2023-2024

Even Semester

**Name of the Faculty:** Mrs. J. Harika

**Class & Sec:** B. Sc MSCs IYr

**Semester:** IV

**Subject:** Mathematics-IV(Algebra)

#### **Advance Learners:**

Students were asked to give Power Point presentations on real life applications in various fields which helps them to acquire domain knowledge of the subject and posted in Google Classroom. They presented variety of applications in the field of Engineering, Computer Science, economics, Finance etc.

<b>S.No</b>	<b>Roll No</b>	<b>Name of the Student</b>
1	121422467002	Anthony Timon Jones
2	121422467019	P. ManiShankar
3	121422467017	N. Shivani
4	121422467018	Nandini Thakur
5	121422467028	B. Goutham

**Name of the Faculty:** Mrs. J. Harika

**Class & Sec:** B. Sc MSCs, MPCs & MECs III yr

**Semester:** VI

**Subject:** Mathematics-VIII (Number Theory)

**Advance Learners:**

Students are given a challenging assignment of Real-Life Applications of Number Theory in various fields which helps them to acquire domain knowledge of the subject.

S.No	Roll No	Name of the Student
1	121421467013	Manoj Kumawat
2	121421467027	Y. Anusha
3	121421467032	B. Vivekananda
4	121421467039	Syed Usman Adnan Ali
5	121421468006	Sowmya
6	121421468001	Moksha Prasunadh
7	121421468020	Bhoomika Singh
8	121421474004	Manikanta Sai

**Department of Mathematics & Statistics**

**REPORT ON ADVANCED LEARNERS**

<b>Type of Activity</b>	Statistics Teaching Methodology
<b>Title of the Activity</b>	PPT Presentations
<b>Date</b>	14 <sup>th</sup> Sep 2023
<b>Time</b>	In the class hours
<b>Venue</b>	Room No. 405
<b>Collaboration/Sponsor (if any)</b>	-

**Synopsis of the Activity (Description)**

<b>Highlights of the Activity</b>	<ol style="list-style-type: none"><li>1. To improve the communication skills and subject knowledge in the students.</li><li>2. To overcome the stage fear in the students.</li></ol>
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<b>Key Takeaways</b>	The students were ready to take challenge in presenting advance topics and also improved their communication skills.
<b>Summary of the Activity</b>	The advance learners of B.Sc statistics second year are assigned with advance topics in statistics to give the power point presentations.

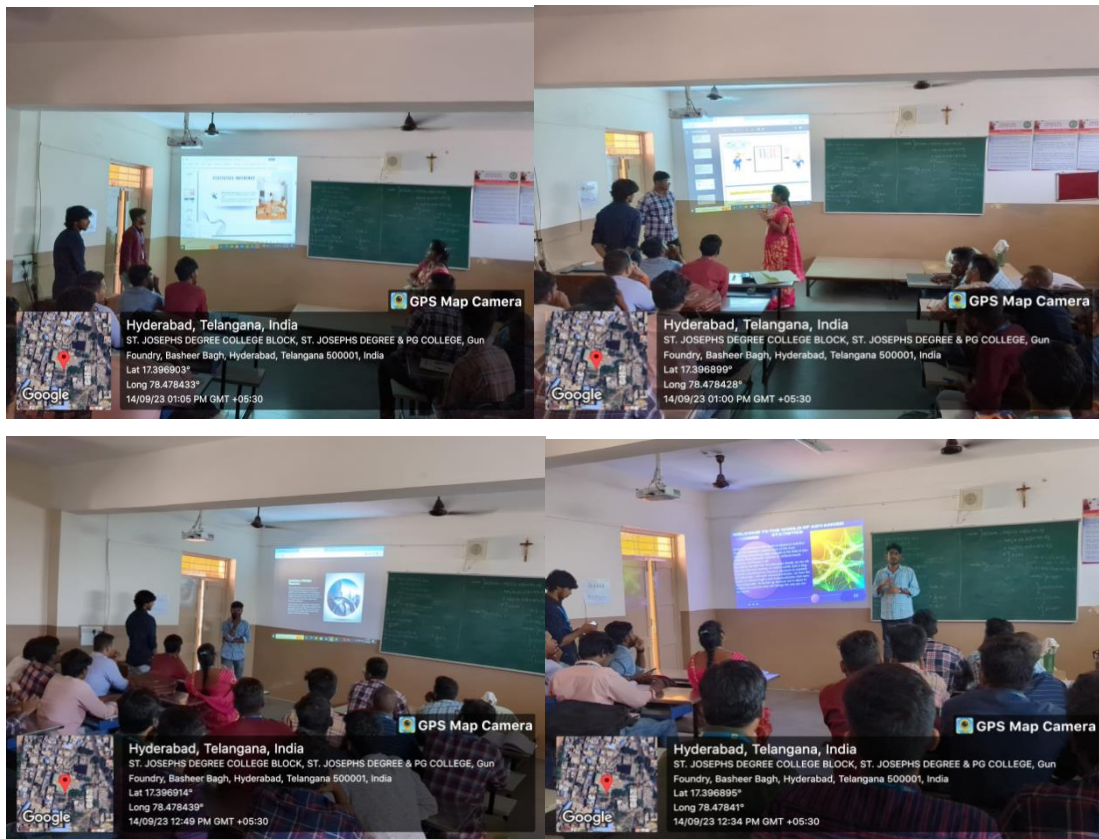
**Report prepared by:**

Name of the Organiser	Mrs. S. Vijayalaxmi
Designation/Title	Assistant Professor
Signature	

**Detailed Report**

On 14<sup>th</sup> September 2023 the power point presentation activity was conducted to the students of B.Sc Statistics second year students on advanced topics in statistics. The advance learners in the class are assigned with different topics in statistics like Statistical Hypothesis, Multiple Regression, Cluster Analysis etc., to give the power point presentation in the class hours. The students are very interested to present the new topics.

S. No	Roll Number	Name of the Student	Topic
1	121422467002	Anthony Timon	Advanced statistical methods
2	121422467004	C Anish	Regression Analysis
3	121422467006	Charan Raj	Cluster Analysis
4	121422467011	M Keerthana	The power of statistical inference
5	121422467018	Nandini Thakur	Point Estimation
6	121422467019	P Sri Mani Shenkar	Curve fitting
7	121422467022	R Sai Sathvik	Multiple Regression
8	121422467025	Shani Chauhan	Statistical Inference



- **Slow learner programs**

**Department of Mathematics & Statistics  
Academic Year: 2023-2024**

**Odd Semester**

Name of the Faculty: Mrs. J. Harika

Class & Sec: B. Sc MSCs IIyr

Semester: III

Subject: Mathematics-III

Slow Learners:

Assignment was given to the slow learners based on their internal examinations performance and the knowledge on the fundamentals in the subject. Important theorems and problems were selected and asked to write which helps them to secure better marks. Remedial classes were conducted to improve their fundamental concepts of the subject.

S.No	Roll No	Name of the Student
1	121422467010	C. Jonathan Akhil
2	121422467013	Md. Suhail
3	121422467014	Md. Ashar Adeeb
4	121422467024	Shaik Aftab Ahmed
5	121422467029	T. Snehith
6	121422467033	Y. Aakash
7	121422467034	K. Abhinav
8	121422467035	Y. Aakash

**Name of the Faculty:** Mrs. J. Harika

**Class & Sec:** B. Sc MSCs, MPCs & MECs III yr

**Semester:** V

**Subject:** Mathematics-VI (Complex Analysis)

**Slow Learners:**

Slow learners were identified based on their performance in the internal examinations and few important questions were given and asked to write as an assignment.

S.No	Roll No	Name of the Student
1	121421467001	G. Aakash Sharma

2	121421467033	Abdul Rahaman Khan
3	121421468016	CH. Sai Manideep
4	121421468019	P. Upendar
5	121421468025	G. Suresh
6	121421474005	Prabhakar
7	121421474011	K. Akhil Reddy
8	121421474019	M. Shashank
9	121421474020	B. RamaKrishna
10	121421474022	S. Chaitanya

**Department of Mathematics & Statistics**

Academic Year: 2023-2024

Even Semester

**Name of the Faculty:** Mrs. J. Harika

**Class & Sec:** B. Sc MSCs IYr

**Semester:** IV

**Subject:** Mathematics-IV

**Slow Learners:**

Assignment was given to the slow learners based on their Internal-I examinations performance and the knowledge on the fundamentals in the subject. Important theorems and problems were selected and asked to write which helps them to secure better marks. Remedial classes were conducted to improve their fundamental concepts of the subject and their performance in the subject.

<b>S.No</b>	<b>Roll No</b>	<b>Name of the Student</b>
1	121422467010	D. Jonathan Akhil
2	121422467013	Md. Suhail
3	121422467014	Md. Ashar Adeeb
4	121422467024	Shaik Aftab Ahmed
5	121422467029	T. Snehith

6	121422467033	Y. Aakash
7	121422467034	K. Abhinav
8	121422467035	Y. Aakash
9	121422467039	Bala Akhil

**Name of the Faculty:** Mrs. J. Harika

**Class & Sec:** B. Sc MSCs, MPCs & MECs III yr

**Semester:** VI

**Subject:** Mathematics-VIII (Number Theory)

**Slow Learners:**

Slow learners were identified based on their performance in the internal examinations and few important questions were given and asked to write as an assignment.

S.No	Roll No	Name of the Student
1	121421467001	G. Aakash Sharma
2	121421467033	Abdul Rahaman Khan
3	121421468016	CH. Sai Manideep
4	121421468019	P. Upendar
5	121421468025	G. Suresh
6	121421474005	Prabhakar
7	121421474011	K. Akhil Reddy
8	121421474019	M. Shashank
9	121421474020	C. RamaKrishna

10	121421474022	S. Chaitanya
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- **Teaching Methodologies used subject wise**  
**Statistics:**

Year / Semester	Name of the Course	Teaching Techniques adopted	Outcomes of the Technique
<b>Theory Papers</b>			
I Yr Sem-I & Sem-II	1. Descriptive Statistics, Probability and Random Variables 2. Probability Distributions	Chalk and talk method	❖ Improves the quality of education
		Lecture Method	❖ Students gain knowledge and understand the topics effectively.
II Yr Sem-III & Sem-IV	3. Statistical Methods 4. Statistical Inference	Inductive method	❖ Student gains the knowledge to present the general rules of the topic
		Deductive method	❖ Student gains the knowledge to frame the applications based on the general rules of the topics
III Yr Sem-V	5. Sampling Techniques, Time Series and Demand Analysis 6. Operations Research		
III Yr Sem-VI	7. Design of Experiments, Index Numbers and Official Statistics 8. SQC, Vital Statistics and Reliability	Demonstration method	❖ Students learn the concepts through hands-on training and also learning the software effectively.
<b>Practical papers</b>			
I Yr Sem-I & Sem-II	1. Descriptive Statistics, Probability and Random Variables (Practical) 2. Probability Distributions (Practical)	Practical demonstrations in the lab using MS-Excel, SPSS and TORA.	❖ Students get the knowledge of the topics through hands on training  ❖ Students improve their technical

II Yr Sem-III & Sem-IV	3. Statistical Methods (Practical) 4. Statistical inference (Practical)		knowledge through software.
III Yr Sem-V	5. Sampling Techniques, Time Series and Demand Analysis (Practical) 6. Operations Research (practical)		
III Yr Sem-VI	7. Design of Experiments, Index Numbers and Official Statistics (Practical) 8. SQC, Vital Statistics and Reliability		

**Mathematics:**

Year / Semester	Name of the Course	Teaching Techniques adopted	Outcomes of the Technique
<b>Theory Papers</b>			
I Yr Sem-I & Sem-II	1. Differential & Integral Calculus 2. Differential Equations	Chalk and talk method	❖ Improves the quality of education
		Lecture Method	❖ Students gain knowledge and understand the topics effectively.
II Yr Sem-III & Sem-IV	3. Real Analysis 4. Algebra	Inductive method	❖ Student gains the knowledge to present the general rules of the topic
		Deductive method	❖ Student gains the knowledge to frame the applications based on the general rules of the topics
III Yr Sem-V	5. Linear Algebra 6. Integral Calculus/Complex Analysis 7. Numerical Analysis		

III Yr Sem-VI	8. Solid Geometry/Complex Analysis	Demonstration method	❖ Students learn the concepts through hands-on training and also learning the software effectively.
<b>Practical papers</b>			
I Yr Sem-I & Sem-II	9. Differential & Integral Calculus (Practical) 10. Differential Equations (Practical)	Practical demonstrations in the lab using Matlab, Mathematica	❖ Students get the knowledge of the topics through hands on training  ❖ Students improve their technical knowledge through software.
II Yr Sem-III & Sem-IV	11. Real Analysis (Practical) 12. Algebra (Practical)		
III Yr Sem-V	13. Linear Algebra(Practical) 14. Integral Calculus/Complex Analysis (practical)		
III Yr Sem-VI	15. Numerical Analysis (Practical) 16. Solid Geometry/Number theory (Practical)		

- **ICT-enabled Tools by the faculty**

E-Content Developed

S.No.	Name of the Faculty	Topic	Link
1	Mr.D.Srinivas Reddy	Numbers and their accuracy	<a href="https://www.youtube.com/watch?v=yauo75c36aM">https://www.youtube.com/watch?v=yauo75c36aM</a>



2	Mrs. S. Vijayalaxmi	Time Series and its Components	<a href="https://www.youtube.com/watch?v=Q1pfyns3C-E">https://www.youtube.com/watch?v=Q1pfyns3C-E</a>
3	Mrs. B. Mallika	Inference	<a href="https://www.youtube.com/watch?v=GEg5W96YNCA">https://www.youtube.com/watch?v=GEg5W96YNCA</a>

- **Pass percentage of students Program wise**

S.No	Program	Year/Sem	Pass %
1	B.Sc(MSCs)	I/I	67
2	B.Sc(MECS)	I/I	25
3	B.Sc(MPCS)	I/I	21
4	B.Sc(MSCs)	II/III	74
5	B.Sc(MECS)	II/III	38
6	B.Sc(MPCS)	II/III	36
7	B.Sc(MSCs)	III/V	94
8	B.Sc(MECS)	III/V	52
9	B.Sc(MPCS)	III/V	68

- **Workshops/seminars, guest lectures organized for students**

S. No	Name of the Programme/ Conference/ Seminars/guest lectures	Title of the Programme	Date, Time & Venue	Name of the Resource Person
1	Guest Lecture	Guest Lecture on Riemann Integration & its Applications	25th September 2023, 2:00 PM to 4:00 PM, Room No: 508	Y. Surya Vardhini, Assistant Professor, St. Francis College For Women, Begumpet, Hyderabad.
2	Workshop	Two Day Workshop on Mathematical computations using the Mathematica Software	1 <sup>st</sup> & 2 <sup>nd</sup> August 2023, 2:00 PM to 4:00 PM, III floor Computer lab	Dr. Alfuns Prathiba, Senior Assistant Professor, CVR College of Engineering,

				Manganpally, Ibrahimpattanam Hyderabad
3	Expert talk	Expert talk on “Environmental Studies”	23rd Feb 2024, 23rd Feb 2024, Room 504	Dr. Syeda Azeem Unnisa – Chair person, Board of studies in Environmental Studies, University College of Sciences, Osmania University



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King Koti Road, Hyderabad – 29

**DEPARTMENT OF MATHEMATICS & STATISTICS**  
**REPORT OF GUEST LECTURE**

**General Information**

Type of Activity	Guest Lecture
Title of the Activity	Guest Lecture on Riemann Integration & its Applications
Date	25th September 2023
Time	2:00 PM to 4:00 PM
Venue	Room No: 508

Collaboration/Sponsor (if any)	----
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### Speaker/Guest/Presenter Details

Name	Y. Surya Vardhini
Title/Position	Assistant Professor
Organization	St. Francis College For Women, Begumpet, Hyderabad.
Title of Presentation	Riemann Integration in Real Analysis

### Participants Profile

Type of Participants	Faculty & B.Sc II year Students
No. of Participants	Faculty & 52 Students

### Synopsis of the Activity (Description)

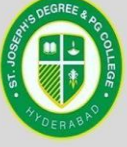
Highlights of the Activity	The highlights of the guest lecture are solving the equations, table plot, plot 3D, Parametric & Polar plot, Riemann Integrations, limits, differentiation & integration applications.
Key Takeaways	Various applications of Riemann Integration
Summary of the Activity	Riemann Integration in Real Analysis and solving them using the Mathematica Software. Explained the problems that helped the students to understand in a better way.
Follow-up plan	Introduction concepts of Riemann Integration like partition, segment, interval, norm of a partition, etc. were explained and followed by applications in real life. Representation of the solutions using the Mathematics software.

### Report prepared by:

Name of the Organiser	Mrs. J. Harika
Designation/Title	Assistant Professor
Signature	


### Brochure:

**Department of Mathematics & Statistics**



**EXTENTION  
LECTURE ON  
Riemann Integration**

SEPTEMBER 25TH 1:30PM



BY-  
Y.SURYA VARDHINI ( ASSISSTANT  
PROFESSOR)

**Geotag Photos:**





## Report:

The Guest Lecture started at 2:00 PM in Room No: 508. Mr. D. Srinivas Reddy, Head of the Department welcomed the resource person Mrs. Y. Surya Vardhini by presenting the profile.

The session started with the introduction concepts of Riemann Integration such as Partition, Segment, Interval, Norm of an interval, upper and Lower Riemann integral etc. Then the students were briefed about solving the problems and Applications of Derivatives and Differentiation. Then followed by solving the basic problems using the Mathematica Software and then were taught to solve complex problems on Riemann Integration. The resource person also oriented on how the techniques have far-reaching applications in various fields including physics, maths, engineering, economics, business, computer science, and statistics where real-world problems often involve these topics. Then followed by a Question & Answer session which was very interactive. Mr. Anthony Timon Jones highlighted the key points and the valuable suggestions given by the resource person. The session ended with a formal vote of thanks by Ms. Swarnali Roy of B.Sc. MECs II year.

## Outcome:

The students have learnt Riemann Integration and its applications in the real world and also solving the problems using the Mathematics Software.

**DEPARTMENT OF MATHEMATICS & STATISTICS**  
**REPORT ON TWO DAY WORKSHOP ON MATHEMATICAL COMPUTATIONS**  
**USING THE MATHEMATICA SOFTWARE**

**General Information**

Type of Activity	Workshop
Title of the Activity	Two Day Workshop on Mathematical computations using the Mathematica Software
Date	1 <sup>st</sup> & 2 <sup>nd</sup> August 2023
Time	2:00 PM to 4:00 PM
Venue	III floor Computer lab
Collaboration/Sponsor (if any)	----

**Speaker/Guest/Presenter Details**

Name	Dr. Alfunsu Prathiba
Title/Position	Senior Assistant Professor
Organization	CVR College of Engineering, Mangalpally, Ibrahimpatnam Hyderabad
Title of Presentation	Mathematica Software

**Participants Profile**

Type of Participants	Faculty & Selected Students
No. of Participants	6 Faculty & 20 Students

**Synopsis of the Activity (Description)**

Highlights of the Activity	The highlights of the workshop are solving the equations, table plot, plot 3D, Parametric & Polar plot, Sequence & series, limits, differentiation & integration
Key Takeaways	Various functions and tools in Mathematica
Summary of the Activity	The faculty and students were trained on the basic functions and tools of Mathematica software and gained the practical knowledge for solving the problems which helps the students to understand in a better way.
Follow-up plan	The Mathematica software was installed in the systems and the faculty as well as the students were given hands on training. They were also asked to solve the problems on various concepts.

**Report prepared by:**

Name of the Organiser	Mrs. J. Harika & Mr. M. Sathyanarayana
Designation/Title	Assistant Professor
Signature	

**Brochure:**

**ST. JOSEPH'S**  
DEGREE AND PG COLLEGE  
HYDERABAD, INDIA

**INSTITUTION'S INNOVATION COUNCIL**  
Ministry of Education Initiatives

**G20**  
INDIA

Department of Mathematics and Statistics  
Organizes

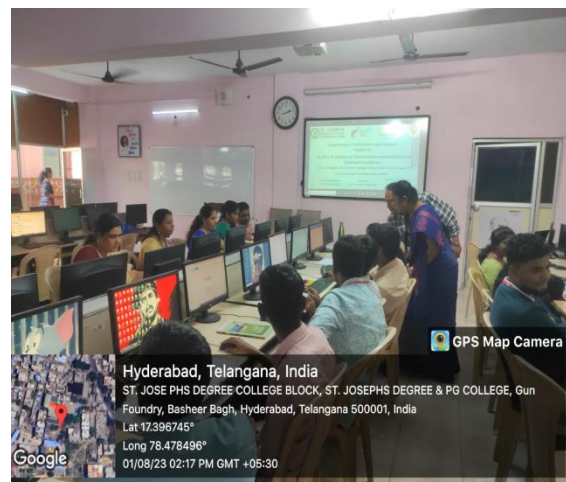
**Two Day Workshop on Mathematical computations using Mathematica software**

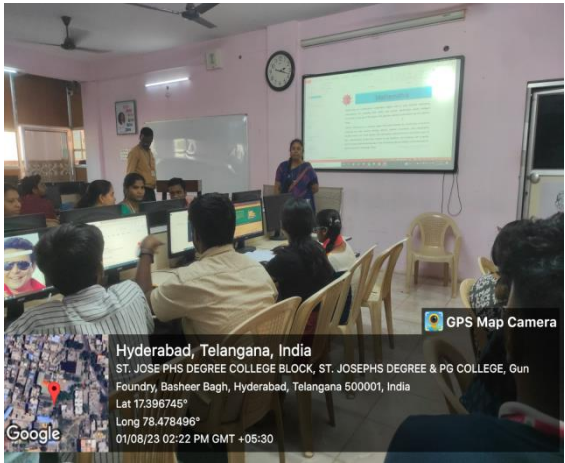
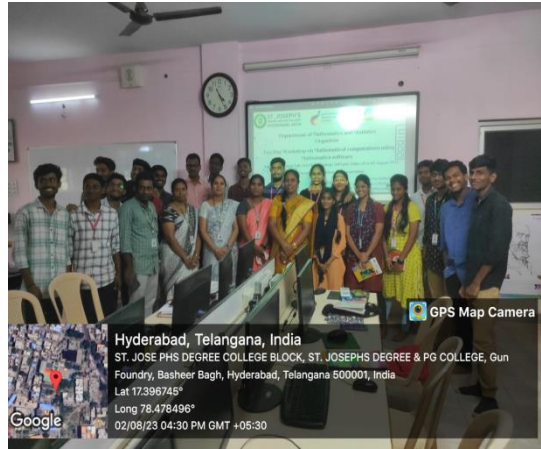
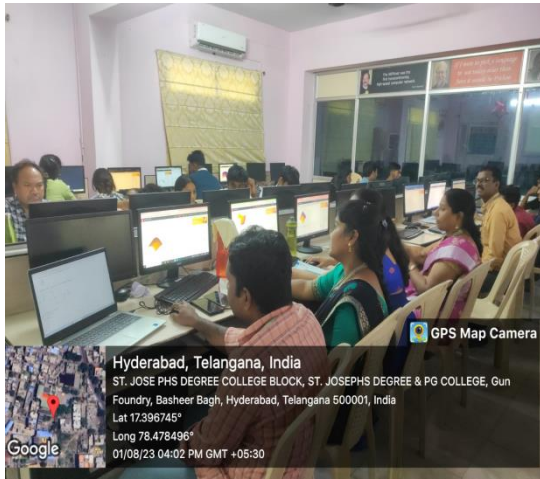
Venue : Computer Lab, 3rd Floor | Timing : 2:00 pm | Date : 01 & 02 August 2023

Note : Participation Certificates will be provided.

Head of Department: Mr. D Srinivas Reddy  
Principal: Rev. Fr. Anthony Sagayaraja  
Faculty Co-Ordinators: Mrs. J. Harika, Mr. M. Sathyanarayana

**Geo tag Photos:**





**Attendance list of participants with signature:**





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King Koti Road, Hyderabad

Students Attendance List of workshop

Date:01.08.2023

Venue: III floor computer lab

S. No	Roll no	Name of the Student	Signature
1	121422467023	S.Parameshwari	
2	121422467038	Tharuni Maria	
3	121421467003	A.Srivallika	
4	121421467008	Eliaa Monny	
5	121421467007	Balakraishna	
6	121481467020	Rajat Singh	
7	121421467010	bi. Vinay Kumar	
8	121421467036	Manideep	
9	121422467001	Anand	
10	121422467033	AKASH	
11	121421467032	T.Sai Kiran	
12	121421467038	A.Vivekananda	
13	121421467013	MANDJ KUMAWAT	
14	121421467005	B. Chaitanya	
15	121421467018	P. Nikhil Govd	
16	121421467007	<del>B. Srinivas</del> Josyph Raji	
17	121423467004	Aditya Kulkarni	
18	121421467027	Y. Anucha	
19	121421467030	Rani Bafna	
20	121421467028	Y. Abhishek	



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Date: 01.08.2023

Venue: III floor Lab

Faculty Attendance List of MATHEMATICA workshop

S. No	Name of the Faculty	Signature
1	S. Vijayalaxmi	S. Vijayalaxmi 01/08/23
2	M. Sathyanarayana	M. Sathyanarayana
3	J. Harika	J. Harika 01/08/23
4	B. Mallika	B. Mallika 01/08/23
5	D. Srinivas Reddy	D. Srinivas Reddy 01/08/23
6	M. Keen Jyothi	M. Keen Jyothi
7		
8		
9		
10		



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King Koti Road, Hyderabad

Students Attendance List of workshop

Date: 02.08.2023

Venue: III floor computer lab

S. No	Roll no	Name of the Student	Signature
1	121421467013	MANOJ KUMAR	
2	121421467018	PULI NIKHIL GOUD	P. Nikhil Goud
3	121421467032	A. VIVEKANANDA	
4	121421467038	T. SAI KIRAN	
5	121421467005	B. Chaitanya	B. Chaitanya
6	121422467002	A. Timon Jones	
7	121421467010	G. Viraj	
8	121421467038	Manideep	
9	121421467006	Nikhil Kumar	
10	121421467004	Aditya Kulkarni	
11	121421467027	Y. Anuha	
12	121421467030	Rani Babra	
13	121421467003	A. Srivallika	A. Srivallika
14	121421467008	Elias Mony	
15	121421467007	Balakrishna	
16	121422467033	AKASH	
17	121422467001	Anand	
18	121422467003	Poorneshwari	
19	121422467038	Thasuni Masica	
20	121421467021	R. Sowmya	
21	121422467		





ST. JOSEPH'S DEGREE & PG COLLEGE  
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King Koti Road, Hyderabad

Date: 02.08.2023

Venue: III floor Lab

Faculty Attendance List of MATHEMATICA workshop

S. No	Name of the Faculty	Signature
1	S. Vijayalakshmi	S. Vijayalakshmi 2/8/23
2	J. Harika	Harika 2/8/23
3	M. Sathyanarayana	M. Sathyanarayana
4	B. Malika	B. Malika 2/8/23
5	B. Raju	Raju
6	D. Srinivas Reddy	D. Srinivas Reddy 2/8/23
7		
8		
9		
10		



## **ST. JOSEPH'S DEGREE & PG COLLEGE**

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Basheerbagh, King Koti Road, Hyderabad – 29

### **Report on Two Day Workshop**

<b>Date</b>	: 1 <sup>st</sup> & 2 <sup>nd</sup> August 2023
<b>Venue</b>	: III floor computer lab
<b>Time</b>	: 2:00 PM to 4:00 PM
<b>Organized by</b>	: Department of Mathematics & Statistics
<b>Target Group</b>	: Faculty & Selected students
<b>Resource Person</b>	: Dr. Alfunsu Prathiba

### **Report:**

The workshop was started with a prayer by the Principal Rev. Fr. Anthony Sagayaraja at 2:00 PM in III floor computer lab. Mrs. S. Vijayalaxmi, Assistant Professor from the department welcomed the resource person Dr. Alfunsu Prathiba by presenting the profile.

The Day-1 session started with the introduction to the Mathematica software and installation of the software from Wolfram Cloud. Also explained about various functions such as solving the equations, plot & plot 3D, parametric and polar plot, graphs of sin, cos & tan functions. As it was a hands-on training session it was an informative and gained the practical knowledge on solving various problems. The session ended up with a formal vote of thanks by Ms. A. Srivallika from B. Sc MSCs III year

The Day-II session started with solving of limit problems, sequences and series, problems of differentiation & integration, numerical analysis, exporting the file and many other. The faculty and students were interactive throughout the session and it was an insightful session. The session ended up with a formal vote of thanks by Ms. Y. Anusha from B. Sc MSCs III year. Mr. D. Srinivas Reddy, Head of the department felicitated the resource person with a memento by

thanking her for such an insightful session.

**Outcome:**

The faculty and the students gained the practical knowledge on basic tools and commands of the software for solving the problems.

**Department of Mathematics & Statistics**

**ACTIVITY REPORT**

**Department of Mathematics & Statistics in Collaboration with Department of Physics  
Electronics**

Type of Activity	Expert talk
Title of the Activity	Expert talk on “Environmental Studies”
Date	23rd Feb 2024
Time	1.10 PM-3.00 PM
Venue	St. Joseph’s Degree & PG College
Collaboration/Sponsor	Department Of Physics & Electronics

**Coordinator Details**

Name	Mrs. Mallika, Mrs. M. L. Sowjanya & Dr. M. Sathyanarayana
Title/Position	Assistant Professor, Dept of Mathematics & Statistics and Department of Physics and Electronics
Organization	St. Joseph’s Degree & P.G college

**Participants Profile**

Type of Participants	B. Sc I Year Students
No. of Participants	45

**Synopsis of the Activity (Description)**

Highlights of the Activity	<ul style="list-style-type: none"><li>• In-depth discussion on the concept of Waste Management and its significance in sustainable development.</li></ul>
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	<ul style="list-style-type: none"> <li>● Real-world case studies and success stories highlighting the successful commercialization of Recycled Furniture.</li> <li>● Discussion on importance of conservation of natural resources and different ways to recycle and reuse the resources.</li> </ul>
Key Takeaways	<ul style="list-style-type: none"> <li>● A thorough understanding of the Waste Management, enabling attendees to apply the learned concepts to their day-to-day life.</li> <li>● Insight into the importance of Environmental Studies and how to assess and evaluate the waste and commercial viability of Sustainable Development.</li> <li>● Inspiration comes from case studies showcasing successful initiatives in recycling and commercialization of recycled equipment's, identifying potential collaboration opportunities within the Department of Environmental Studies.</li> </ul>

**Report prepared by:**

Name	<b>Mrs. Mallika</b>
Designation/Title	<b>Assistant Professor, Department of Mathematics &amp; Statistics</b>
Signature	

**DETAILED REPORT**

Date	:	23 <sup>rd</sup> February 2024
Venue	:	508
Time	:	1.10 PM to 3.00 PM
Organized by	:	Department of Mathematics & Statistics in collaboration with the  Department of Physics & Electronics
Target Group	:	B. Sc I Year Students
Resource Person	:	Dr. Syeda Azeem Unnisa – Chair person, Board of studies in



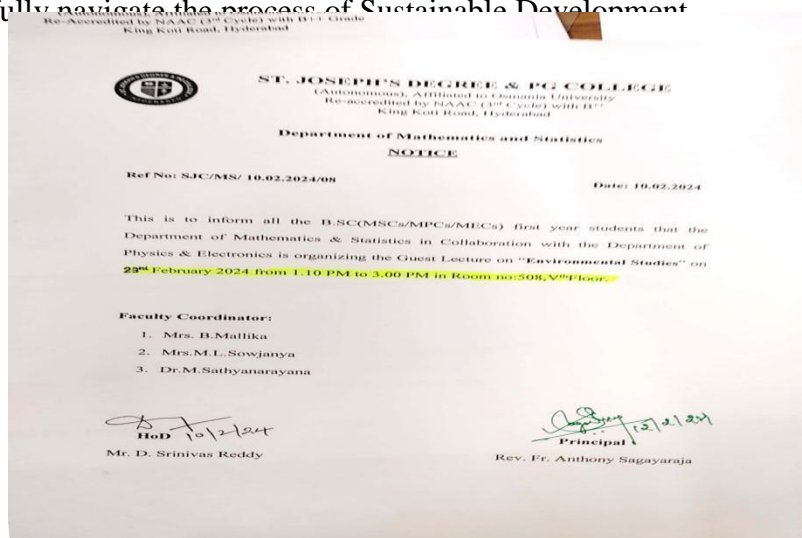
Environmental Studies, University College of Sciences,  
Osmania University

The Department of Mathematics & Statistics in Collaboration with Department of Physics and Electronics has organized Expert talk on “Environmental Studies, Commercialization of Recycled Plastics” on Feb-2024.

**Session:**

Dr. Syeda Azeem Unnisa – Asst. Professor & Chairperson, Department of Environmental Studies gave a talk on the concept of Waste Management and its significance in Sustainable Development. The session elaborated on the necessary steps that can be taken to reuse and recycle the waste we find around us. Case studies of successfully recycled furniture were shared, highlighting the potential for recycled equipment and showcasing the expertise available within the department. Best practices and strategies for commercialization of waste management were discussed, along with resources and support available to students. Overall, the talk served as a valuable opportunity for attendees to gain knowledge and insights to successfully navigate the process of Sustainable Development.

**Notice:**



**St. Joseph's Degree & PG College**  
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B.Sc(MECs) I Year, Semester - II  
Guest Lecture on Environmental Studies  
Attendance Sheet

Date: 23 rd Febrary 2024

No	Hall Ticket Number	Name of the Student	Amount Paid	Transaction ID if Paid through QR	Signature
1	121423474001	BASIL ALI			
2	121423474002	CALVIN ANDREW DCRUZ			
3	121423474003	MOHAMMED FAZIL MOUDDOOD KHAN			
4	121423474004	DOULTHABAD SUJITH KUMAR			
5	121423474006	MOHAMMED MUSADIQ			
6	121423474007	SHAIK ADEEB UR RAHAMAN			
7	121423474008	SUBHOM CHAKRABARTY			
8	121423474009	SYED SHAH HYDER QUADRI			
9	121423474010	TIRUMANI CHETAN			
10	121423474011	MOHAMMED ABDUL MUDDASIR			
11	121423474013	MOHAMMED AFNAN UDDIN			
12	121423474014	S. Kanishk Chowan			

Class Incharge

**ST. JOSEPH'S DEGREE & PG COLLEGE**  
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King Koti Road, Hyderabad  
Session on Environmental Studies  
B.Sc(M.P.C.E)-I.Y-II SEM  
Date:23-02-2024

S.No	Name of the student	Signature
121423468001	AARATI DARAI	
121423468002	ALI ABDULLA BAMAROUF	
121423468003	AVULA ARAVINDU	
121423468004	AVUTHU ROHITH REDDY	
121423468005	DADALA CHERRY SAMUEL	
121423468006	GANGALA VENKATA VAISHNAV	
121423468007	HAMEEDA KHATOON RAFIA	
121423468008	K QUENCY MELCHIZEDEK	
121423468009	KASIMKOTA SARDHVIK	
121423468010	KATAKAM ANKITHA	
121423468011	KAUSTAV DHOLE	
121423468012	KUNDAN KUMAR	
121423468013	M AKHIL YADAV	
121423468014	MOHAMMED AFFAN	
121423468015	MOHAMMED MUKARAM ALI	
121423468016	NAIF AHMED SAEED QAMRAN	
121423468017	SAKA KAMALAKAR	
121423468018	T SHYAMSUNDAR REDDY	
121423468019	MOHD HYDER ALI	
121423468020	KONDLA ABHISHEK	

**ST. JOSEPH'S DEGREE & PG COLLEGE**  
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King Koti Road, Hyderabad  
Guest Lecture on Environmental studies  
Attendance List  
M.Sc-I Year  
Date: 23.02.2024  
Venue: Room no: 508

S. No.	Hall Ticket No	Name of the Student	Signature
1	121423467001	A.Lokesh	
2	121423467002	Banath Vikas	
3	121423467003	G.Sankarathi Reddy	
4	121423467004	G. Srwardhan	
5	121423467005	Galoor Sab Patil	
6	121423467006	J.Shiva Kumar Goud	
7	121423467007	K.Vaishnav Das	
8	121423467008	K.Bhavani	
9	121423467009	Kanya Talwar	
10	121423467010	Yogendra Krishna	
11	121423467011	Lateef Hayath	
12	121423467012	Lavleen Navani	
13	121423467013	Mayank A Shah	
14	121423467014	Abdul Subhan	
15	121423467015	Mohammed Younus	

16	121423467017	Munugati Amogh	
17	121423467018	N.Premasagar Robin Sindi	
18	121423467019	N.Rishikesh	
19	121423467020	P.Varshith	
20	121423467021	P.Jeevika	
21	121423467023	Prarthana Thakur	
22	121423467024	K.Sai Rohith	
23	121423467025	Sanchita Dilikar	
24	121423467026	K.Sathvik	
25	121423467027	Syed Sharihuddin	
26	121423467028	B.Bharath	
27	121423467029	G.Shirley Ann	
28	121423467030	N.Santosh	
29	121423467031	Abdul Aziz Talha	
30	121423467032	C.Archana	
31	121423467033	Athish Singh	
32	121423467035	E.Nishanth	

**Photos :**



- **Workshops/seminars, guest lectures attended by faculty**

S. No	Name of the Programme/ Conference/ Seminars	Title of the Programme	Date & Venue
<b>Mr. D. Srinivas Reddy</b>			
1.	Faculty Development Programme	5 day Faculty Development Program on “Institutional Preparedness for NEP-2020 Implementation”	Organized by IQAC, St. Joseph’s Degree & PG College from 5 <sup>th</sup> to 9 <sup>th</sup> June 2023.
2	Workshop	“Mathematical computations using MATHEMATICA software” organized by Department of Mathematics & Statistics, St. Joseph’s Degree & PG College, Hyderabad	1 <sup>st</sup> & 2 <sup>nd</sup> Aug, 3 <sup>rd</sup> floor Lab
3	Faculty Development Programme	Financial wellness Enhancement on Financial Literacy Organized by Excellence Global Skills	27 <sup>th</sup> October 2023, Online mode.
4	Faculty Development Programme	“ Indian Knowledge Sytems- Implementations in HEIs” organized by UGC & IQAC, Government Degree College for Women, Begumpet, Hyderabad	5 <sup>th</sup> & 6 <sup>th</sup> February 2024
5	Webinar	Menstrual Health & Hygiene	Organized by Happiness & Well Being Committee of St. Joseph’s Degree & PG College in collaboration with IQAC on 28 <sup>th</sup> October 2023 by Global Hunt Foundation, online mode.
<b>Mrs. S. Vijayalaxmi</b>			
1	Faculty Development Programme	“INSTITUTIONAL PREPAREDNESS FOR NEP 2020 IMPLEMENTAION” Organized by Internal Quality Assurance Cell, St. Joseph’s Degree & PG College, King Koti Road, Hyderabad	5 <sup>th</sup> June to 9 <sup>th</sup> June 2023, Joseph’s Hall
2.	5 Day Faculty Development Programme	Unleashing the Potential: Transforming Research Using Modern Tech-Tools	organized by Internal Quality Assurance Cell(IQAC) of ST PAULS COLLEGE, Bengaluru from 19 June 2023 to 23 June 2023.

3	Workshop	“Mathematical computations using MATHEMATICA software” organized by Department of Mathematics & Statistics, St. Joseph’s Degree & PG College, Hyderabad	1 <sup>st</sup> & 2 <sup>nd</sup> Aug, 3 <sup>rd</sup> floor Lab
4.	Faculty Development Programme	Financial wellness Enhancement on Financial Literacy Organized by Excellence Global Skills	27 <sup>th</sup> October 2023, Online mode.
5.	Webinar	Menstrual Health & Hygiene	Organized by Happiness & Well Being Committee of St. Joseph’s Degree & PG College in collaboration with IQAC on 28 <sup>th</sup> October 2023 by Global Hunt Foundation, online mode.
6	Faculty Development Programme	Participated in “ 7 DAYS NATIONAL LEVEL FDP ON PYTHON” organized by Star International Foundation for Research Education	19.03.2024 to 25.03.2024
<b>Mrs. J. Harika</b>			
1	Faculty Development Programme	“INSTITUTIONAL PREPAREDNESS FOR NEP 2020 IMPLEMENTAION” Organized by Internal Quality Assurance Cell, St.Joseph’s Degree & PG College, King Koti Road, Hyderabad	5 <sup>th</sup> June to 9 <sup>th</sup> June 2023,Joseph’s Hall
2	Workshop	“Mathematical computations using MATHEMATICA software” organized by Department of Mathematics & Statistics, St. Joseph’s Degree & PG College, Hyderabad	1 <sup>st</sup> & 2 <sup>nd</sup> Aug, 3 <sup>rd</sup> floor Lab
3.	Faculty Development Programme	Financial wellness Enhancement on Financial Literacy Organized by Excellence Global Skills	27 <sup>th</sup> October 2023, Online mode.
4.	Webinar	Menstrual Health & Hygiene	Organized by Happiness & Well Being Committee of St. Joseph’s Degree & PG College in collaboration with IQAC on 28 <sup>th</sup> October 2023 by Global Hunt Foundation, online mode.
<b>Dr. M. Sathyanarayana</b>			
1	Faculty Development Programme	“INSTITUTIONAL PREPAREDNESS FOR NEP 2020 IMPLEMENTAION” Organized by Internal Quality Assurance Cell, St.Joseph’s Degree & PG College, King Koti Road, Hyderabad	5 <sup>th</sup> June to 9 <sup>th</sup> June 2023,Joseph’s Hall

2	Workshop	“Mathematical computations using MATHEMATICA software” organized by Department of Mathematics & Statistics, St. Joseph’s Degree & PG College, Hyderabad	1 <sup>st</sup> & 2 <sup>nd</sup> Aug, 3 <sup>rd</sup> floor Lab
3.	Faculty Development Programme	Financial wellness Enhancement on Financial Literacy Organized by Excellence Global Skills	27 <sup>th</sup> October 2023, Online
4	Faculty Development Programme	“ Mathematical Software for Teaching and Research”, organized by Dept. Of Mathematics, St. Francis College for Women, Begumpet,	2-3 February, 2024.
<b>Mrs. B. Mallika</b>			
1	Faculty Development Programme	“INSTITUTIONAL PREPAREDNESS FOR NEP 2020 IMPLEMENTAION” Organized by Internal Quality Assurance Cell, St.Joseph’s Degree & PG College, King Koti Road, Hyderabad	5 <sup>th</sup> June to 9 <sup>th</sup> June 2023,Joseph’s Hall
2	5 Day Faculty Development Programme	Unleashing the Potential: Transforming Research Using Modern Tech-Tools	organized by Internal Quality Assurance Cell(IQAC) of ST PAULS COLLEGE, Bengaluru from 19 June 2023 to 23 June 2023.
3	Workshop	“Mathematical computations using MATHEMATICA software” organized by Department of Mathematics & Statistics, St. Joseph’s Degree & PG College, Hyderabad	1 <sup>st</sup> & 2 <sup>nd</sup> Aug, 3 <sup>rd</sup> floor Lab
4.	Faculty Development Programme	Financial wellness Enhancement on Financial Literacy Organized by Excellence Global Skills	27 <sup>th</sup> October 2023, Online
5.	Webinar	Menstrual Health & Hygiene	Organized by Happiness & Well Being Committee of St. Joseph’s Degree & PG College in collaboration with IQAC on 28 <sup>th</sup> October 2023 by Global Hunt Foundation, online mode.
6		Participated in “ 7 DAYS NATIONAL LEVEL FDP ON PYTHON” organized by Star International Foundation for Research Education	19.03.2024 to 25.03.2024

- **Faculty training programs attended - NIL**

- Faculty Completed NPTEL/Swayam Courses- NIL
- Faculty received financial support to attend conferences /payment of membership fee of professional bodies - NIL
- Field Visits/Industry visits - NIL

### III. Research

- No of PhDs in the department

S.No	Name	Department
1	Dr. M. Sathyanarayana	Mathematics

- No of Faculty pursuing PhD - NIL
- No of faculty published papers details - peer reviewed, ugc care, scopus, wos abdc

S.No	Name	Peer reviewed	Ugc care	Scopus	Wos	abdc
1	S.Vijayalaxmi			✓		
2	B.Mallika				✓	

- Citation index if any - NIL
- No of faculty presented papers details - NIL
- In house Research projects - NIL
- External Funded Research Projects - NIL
- Number of Books and Chapters in edited volumes/books published - NIL
- Faculty as editor of Journals

S.No.	Name	Name of the Journal	ISSN
1	Dr.M.Sathyanarayana	Journal of Nanomedicine & Nanotechnology	2157-7439

- **Faculty as resource persons - NIL**
- **Consultancy - NIL**
- **Faculty appreciations/Recognitions**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Achievements</b>
1	Mr.D. Srinivas Reddy	1. Received Recognition certificate for Convener of Expo Event 2. Received Recognition certificate for outstanding contribution Department of Mathematics & Statistics as Head.
2	S.Vijayalaxmi	1. Received Recognition certificate for Best Faculty contributor from the Department of Mathematics & Statistics 2. Received Recognition certificate for outstanding contribution for Joseph's Social Responsibility
3	J.Harika	Received Recognition certificate for Ranking and Survey
4	Dr. M. Sathyanarayana	1. Received Certificate of Excellence in Peer-Reviewing (B P International) 2. Received Recognition certificate for the completion of Ph.D.

- **No of Collaborative Activities and Collaborations – NIL**

#### **IV. Infrastructure**

- **Number of books available in the library of your courses**

<b>S.No</b>	<b>No.of Books</b>
<b>1</b>	<b>182</b>

- **Number of new editions during 23-24**

<b>S.No</b>	<b>No.of Books</b>
<b>1</b>	<b>18</b>

- **E-journals available: Nil**
- **Journals available: Nil**



- **No. Of computers/labs:**  
One Lab with 60 Computers
- **No. of printers: 1**
- **No. of lcds: 7**