



ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺
King Koti Road, Hyderabad

Department of Mathematics & Statistics


Notice

Ref: SJC/MS/ 22.02.2024/09

15th Feb 2024

This is to inform all the faculty that the Department of Mathematics & Statistics has planned to conduct "3rd Industry Academia Meet" on 22nd February 2024 at 2:00 PM in Board Room.


Please accept your responsibilities and actively participate in the meeting.


HoD 15/2/24

Mr. D. Srinivas Reddy

HOD
Dept. of Mathematics
St. Joseph's Degree & P.G. College
King Koti Road, HYDERABAD-29




Principal
Rev. Fr. Anthony Sagayaraja

Principal
ST. JOSEPH'S DEGREE & P.G. COLLEGE
King Koti Road, HYDERABAD-29



ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺
King Koti Road, Hyderabad

DEPARTMENT OF MATHEMATICS & STATISTICS

AGENDA FOR 3rd 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 3rd Industry Academia Meet members and Introduction of the members - Mr. D. Srinivas Reddy, HoD.
3. Presenting the minutes of 2nd 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.



ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺
King Koti Road, Hyderabad

DEPARTMENT OF MATHEMATICS & STATISTICS

3rd INDUSTRY ACADAMIA 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 nd 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



ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺
King Koti Road, Hyderabad

DEPARTMENT OF MATHEMATICS & STATISTICS

3rd INDUSTRY ACADAMIA MEET-2024

Date: 22-02-2024

Time: 2:00 pm to 4:00 pm

Venue: Board Room,

Mic: S. Vijayalaxmi, Assistant professor in Statistics

Responsibilities:

1. Invite the Board Members- D Srinivas Reddy
(Profile reading, Transport, Hospitality, Overall arrangements)
2. Presenting the minutes of 2nd Industry Academia Meet- Mrs. J. Harika, Assistant Professor
in Mathematics.
3. Curriculum Designing in Mathematics- D Srinivas Reddy, G Sunitha, J Harika and M
Sathyanarayana
4. Curriculum Designing in Statistics - S. Vijayalaxmi & B Mallika
5. Board Room Arrangements: M Sathyanarayana &, B. Malika
(Name plates, Snacks, water bottles, Syllabus Books, Online presentation arrangements,
Honorarium, Invitation letters, Book signatures, Photos)
6. Feedback & Suggestions Format, Book- Minutes of the meeting, signatures, Flyer- J.
Harika & S Vijayalaxmi-
7. Vote of Thanks- G Sunitha.



ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺
King Koti Road, Hyderabad

DEPARTMENT OF MATHEMATICS & STATISTICS

MINUTES 3rd INDUSTRY ACADAMIA 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 23rd 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.



ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺
King Koti Road, Hyderabad

Composition of 3rd 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.

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.



ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺
King Koti Road, Hyderabad

15.02.2023

To,
The Principal,
St. Joseph's Degree & PG College.

Respected Father,

Sub: Request to grant amount for conducting 3rd Industry Academia Meeting

We request you to arrange an amount of Rs 38,000 for conducting the Industry academia meeting. Detailed bills will be settled after the 3rd Industry Academia meeting. The meeting is scheduled to be held on Thursday, 22/Feb/2024.

Mathematics & Statistics –Industry Academia Meeting

Dt: 22.02.24

S. No	Item	Amount	Remarks
1.	Remuneration for Industry Academia Members	Rs 30000	6@5000/- each member
2.	Student Alumni	Rs 2000	1@2000/- each member
3.	Transport	Rs. 2000	Bill
4.	Stationary & Photo Copies	Rs. 2000	Bill
2.	Refreshments	Rs 2000	-----Bill
Total		Rs.38000	(Thirty-eight thousand rupees Only)

Grand total: Rs. 38,000 (Thirty-eight thousand rupees Only)

Advance required: Rs. 38,000 (Thirty-eight thousand rupees Only)

Thanking you father.

Yours faithfully,

D. Srinivas Reddy

(Head, Department of Mathematics & Statistics)

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

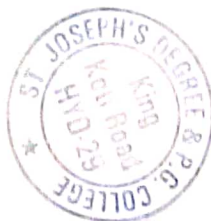
Mrs. G. Sunitha
IQAC Coordinator

Photos:



HOD *ed/2/24*
Mr. D. Srinivas Reddy

HOD
Dept. of Mathematics
St. Joseph's Degree & P.G. College
King Koti Road, HYDERABAD-29



Sagayaraja 11/3/24
Principal
Rev. Fr. Anthony Sagayaraja
Principal
ST. JOSEPH'S DEGREE & P.G. COLLEGE
King Koti Road, HYDERABAD-29