



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

**DEPARTMENT OF MATHEMATICS OF STATISTICS**

**Agenda for Industry Academia Meet**

1. Prayer by Principal
2. Welcoming the members by Head Mr. D. Srinivas Reddy
3. Presenting the previous Industry Academia Meet minutes by Mrs. S. Vijayalxmi
4. Presenting the existing course structure of B. Sc by Mr. D. Srinivas Reddy
5. Review of Mathematics & Statistics Syllabus
6. Implementation of new courses B. Sc (MSDs & MES)
7. Suggestions on Industry MoU's & Certificate courses.
8. Suggestions on Internships and Projects
9. Inter disciplinary courses
10. New software's to implement from the members
11. Any other discussions from the members
12. Formal Vote of thanks by Mrs. B. Mallika

**REPORT ON 2<sup>nd</sup> INDUSTRY ACADEMIA MEETING**

The Department of Mathematics & Statistics has organized the 2<sup>nd</sup> Industry Academia Meeting on 23<sup>rd</sup> February'2023 in the Jubilee hall, St. Joseph's Degree & PG College at 2PM. The main objective of the meeting was to join the hands with Industry, to know the Industry needs for the employability of the students, and ensure that the student's skills are developed by designing the curriculum Industry friendly, also in par with the New Education Policy, NEP.

The resource persons for this meeting were

**Mathematics**

- Prof. Bivudutta Mishra, Associate Dean, BITS Pilani, Hyd.
- Dr. Lalitha, Assistant Professor, St. Francis College for women, Hyd
- Dr. K. Sreeram Reddy, Assistant Professor, O.U, Hyderabad

## Statistics:

- Dr. Jagan Mohan Rao, Principal ,St. Anthony Degree College,Hyd
- Mr. Valeti Papa Rao, Assistant Professor, Pragna Degree & PG College, Hyd
- Mr. Anjan Kumar Kalva, Managing Director of CRO, Clinica Mapletree Analytics Pvt.Ltd, Hyd.

The Meeting began with a Prayer by Fr. Dr. D Sunder Reddy, Principal St. Joseph's Degree & PG College. The Head of the department, Mr. D. Srinivas Reddy & the faculty of the department Mrs. S. Vijayalaxmi, Mrs. J. Harika, Mr. M. Sathyanarayana & Mrs. B. Mallika welcomed the Guests with a bouquet.

The Principal Fr.Dr. D. Sunder Reddy addressed the meeting and threw light on the objective of the Industry Academia meeting and thanked the resource persons for their presence.

Mr. D. Srinivas Reddy, HoD has presented the B. Sc (MPCs/MECs/MSCs) Course structures. The resource persons have reviewed the syllabus, Dr. Bivudutta Mishra has strongly recommended to make the student perform problem solving which would help them to improve and develop their skills in analysing the question and various ways to solve it. He also stated that this will help the student to understand the practical approach for any given problem and live projects. This would help the student to get placed in the Industry.

The BSc Statistics (MSCS) course structures were presented by Mrs.S.Vijayalaxmi; thereby the discussion with regards to the syllabus took place. The team suggested no changes in the statistics syllabus.

## Minutes of the meeting:

1. The meeting started at 2.00PM in the Jubilee started then followed by the prayer by the principal Fr. Dr. D. Sunder Reddy
2. Mr. D. Srinivas Reddy, Head of the department welcome the resources persons and introduced the department members
3. Mrs. S.Vijayalaxmi presented the previous meeting minutes which was held on 11<sup>th</sup> March 2022.
4. Mr.D. Srinivas Reddy presented the syllabus of mathematics papers of all the Semesters including SEC papers
5. Mr.Bivudatta Mishra highlighted the practical's of semester-III paper 'Real Analysis' and semester-IV paper 'Algebra' that instead of practical's for both the papers students can have tutorial classes for theory concepts
6. Prof. Bivudutta Mishra also asked about the number of different mathematics papers in all the semesters

7. Prof. Bivudutta Mishra also suggested to have some elective papers to the students with the combination of Mathematics, Statistics or Computer Science or Data Science
8. Mr.D.Srinivas Reddy highlighted the implementation of new course as MSDS(Mathematics, Statistics, Data Science)
9. Prof. Bivudutta suggested to implement B.Sc (Data science) instead of the course 'MSDS'
10. Prof. Jagan Mohan suggested to implement the course like MES (Mathematics, Economics, Statistics) also one more course like B.Sc(Double or Triple Mathematics) like Mathematics ,Applied mathematics, Statistics etc.
11. Mr. Anjan Kumar Kalva, Managing Director of CRO clinicalmapletree Analytics ,Pvt ltd suggested to have more practical orientation of all the papers
12. Mr. Anjan Kumar Kalva also suggested that the syllabus should not be taught for examinations purpose instead more theoretic concepts to be taught using practical orientation
13. Mr. Anjan Kumar also suggested to inculcate the industry related topics in the curriculum
14. Prof. Bivudutta Mishra suggested to have relation with industry to make students expertise in the subject
15. Prof. Bivudutta suggested to maintain the course plane for each hour along with reference link of the text book prescribed in the syllabus
16. Mr. D.Srinivas Reddy asked for some suggestions on Projects, MoU's etc
17. Prof. Bivudutta also suggested to have one 'Industry Guide' for final year for their projects. Sir suggested 'ONGC',CCMB,CR Rao institute etc for projects MoU's
18. Prof.Bivudutta suggested to inculcate the concept of integral transforms in integral calculus for projects in Mathematics
19. Prof.Jagan Mohan suggested to implement 'Stock Market Analysis' as a certificate course
20. Members also suggested to have bifurcation of hours for the certificate courses to particular domains
21. Mr.Anjan Kumar suggested to implement Bio-Statistics in pharma
22. Members also suggested to have certification in cryptography in Number Theory
23. Also suggested to have 6 to 8 weeks of internship after the semester IV
24. Suggested to inculcate interdisciplinary concepts into the syllabus
25. Suggested to inculcate algorithm-based curriculum to be implemented
26. Suggested to implement Calculus subject for Economics students as a generic elective
27. Suggested to have workshops on SAS along with BSc (MSCs)

28. Suggested to implement 'Bio statistics' as a Diploma course
29. Suggested to implement 'Mathematica' Software for practical orientation

### **Statistics:**

30. Mrs. S. Vijayalaxmi presented the syllabus of all statistics papers
31. Prof. Jagan Mohan suggested to have some case studies and to be implemented in curriculum
32. Suggested to have internships for the students

The following were the members present for the meeting

1. Fr. Dr. D.Sunder Reddy (Principal ,St. Joseph's Degree &PG College)
2. Mrs. Mary Vinaya Sheela (Dean Academics, St. Joseph's Degree &PG College)
3. Prof. Bivudutta Mishra (Associate Dean, International programmers & Collaboration Department of Mathematics, BITS Pilani, Hyderabad)
4. Dr. K .Sreeram Reddy (Subject Expert in Mathematics,O.U,Hyderabad)
5. Dr. Lalitha (Assistant Professor,St.Francis college for women,Hyd)
6. Dr. Jagan Mohan Rao (Principal,St.Anthony Degree College,Hyd)
7. Mr. Valeti Papa Rao (Assistant professor,pragna degree & PG college,Hyd)
8. Mr. Anjan Kumar Kalva (Manging director of CRO,Clinical Mapletree Analytics Pvt Ltd.)
9. Mr. D. Srinivas Reddy (HoD of Mathematics & Statistics , St. Joseph's Degree &PG College)
10. Mrs. S. Vijayalaxmi (Assistant Professor, St. Joseph's Degree &PG College)
11. Mrs. J. Harika (Assistant Professor, St. Joseph's Degree &PG College)
12. Mr. M. Sathyanarayana (Assistant Professor, St. Joseph's Degree &PG College)
13. Mrs. B. Mallika (Assistant Professor, St. Joseph's Degree &PG College)

The resource persons were highly appreciated for their presence and a small token of gratitude (mementos) were offered to each of the resource persons by Mr. D. Srinivas Reddy.

The Meeting ended with the Formal vote of thanks by Mrs. B. Mallika.

Photos:



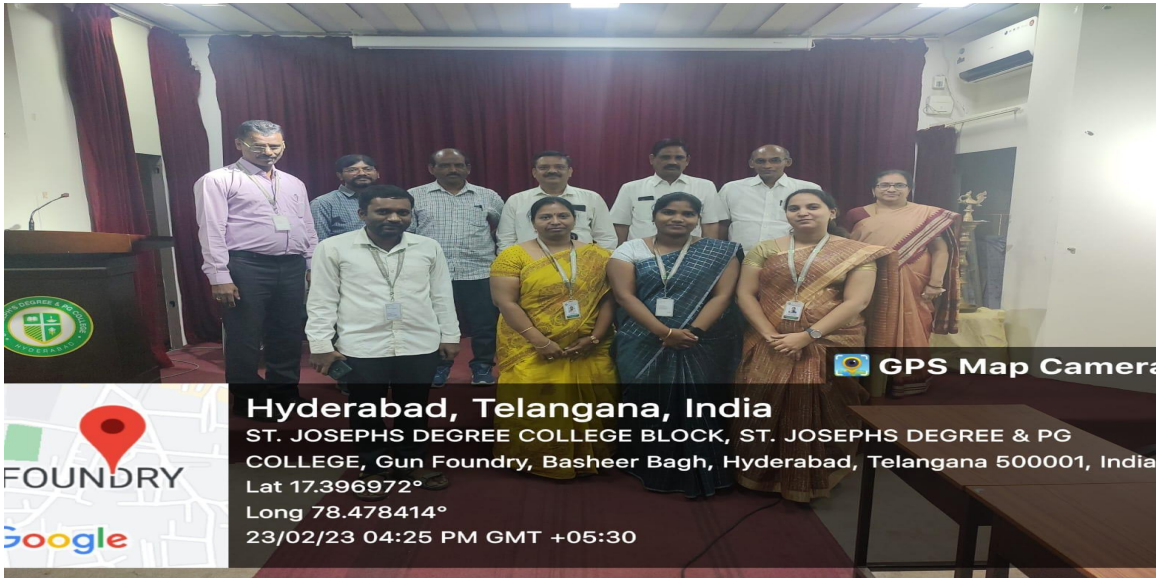
GPS Map Camera

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12, Manikeshwari Nagar Rd, Ravindra Nagar, Osmania University, Amberpet, Secunderabad, Telangana 500007, India  
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Head of the Department  
Mr D. Srinivas Reddy

Principal  
Fr.Dr.D.Sunder Reddy