

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

(Accredited with 'A+' Grade by NAAC | Affiliated to Adikavi Nannaya University)

DEPARTMENT OF MATHEMATICS

ACTIVITY REPORT

AWARENESS PROGRAMME ON NET / SET EXAM AND OTHER COMPETITIVE EXAMINATIONS (CSIR NET, GATE & IIT JAM)

EVENT DETAILS

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|------------------------|---|
| Name of the Programme | Awareness Programme on NET/SET Exam and Other Competitive Examinations (CSIR NET, GATE & IIT JAM) |
| Date | 13th March 2026 |
| Organizing Department | Department of Mathematics, Government College (Autonomous), Rajahmundry |
| Venue | Room No. 8, Government College (Autonomous), Rajahmundry |
| Resource Person | Shri G. Srinivas, Director, GSN Academy, Thirupathi Ph: 8074341090 |
| Target Audience | PG (MSc) and UG (BSc) Students of the Department of Mathematics |
| Number of Participants | 77 Students |
| Exams Covered | CSIR NET, GATE (Mathematics), IIT JAM, SET |

1. INTRODUCTION

A CSIR NET & GATE Awareness Programme was organised by the Department of Mathematics, Government College (Autonomous), Rajahmundry, to create awareness among Post-Graduate (PG) students about national-level competitive examinations. The programme was specifically aimed at motivating and guiding students of MSc and BSc Mathematics to pursue higher academic and research careers by qualifying prestigious national-level examinations such as CSIR NET, GATE, and IIT JAM.

Shri G. Srinivas, Director of GSN Academy, Rajahmundry — a reputed coaching institution for competitive examination preparation — served as the Resource Person for the event. His vast experience in guiding students for CSIR NET and GATE examinations made the session highly informative, practical, and motivating for the participants.

All the faculty members of the Department of Mathematics and PG and UG students attended the programme, making it a well-attended and enriching academic event.

2. ABOUT THE COMPETITIVE EXAMINATIONS

2.1 CSIR NET (Council of Scientific & Industrial Research — National Eligibility Test)

The CSIR NET (National Eligibility Test) is a prestigious national-level examination conducted by the National Testing Agency (NTA) on behalf of the Council of Scientific & Industrial Research (CSIR), New Delhi. It is held twice a year (June and December cycles) and is open to candidates with a Master's degree (MSc) or equivalent qualification in Science disciplines.

For Mathematics students, the CSIR NET is conducted under the subject 'Mathematical Sciences'. Qualifying this examination enables candidates to:

- Receive the Junior Research Fellowship (JRF) and pursue PhD in reputed institutes such as IITs, IISc, IISERs, and Central Universities with a stipend of ₹37,000/- per month (JRF) and ₹42,000/- (SRF).
- Become eligible for Lectureship / Assistant Professorship in colleges and universities across India.
- Secure positions in CSIR laboratories and research institutions.

The exam consists of three parts: Part A (General Aptitude — 20 marks), Part B (Subject-based MCQs — 70 marks), and Part C (Higher-order analytical questions — 60 marks). The total duration is 3 hours. Mathematical Sciences covers topics such as Analysis, Abstract Algebra, Linear Algebra, Complex Analysis, Topology, Differential Equations, Numerical Analysis, and Probability & Statistics.

2.2 GATE (Graduate Aptitude Test in Engineering)

GATE (Graduate Aptitude Test in Engineering) is a national-level examination conducted jointly by the Indian Institute of Science (IISc), Bangalore, and the seven IITs (Delhi, Bombay, Madras, Kharagpur, Kanpur, Roorkee, and Guwahati) on behalf of the Ministry of Education, Government of India. GATE is held once a year and tests comprehensive understanding of various undergraduate subjects in Engineering and Science.

For Mathematics students, GATE offers a dedicated paper — GATE MA (Mathematics). Qualifying GATE opens the following opportunities:

- Admission to M.Tech / M.E. / MS (Research) / PhD programmes in IITs, NITs, IISc, and other reputed institutions.
- Recruitment to Public Sector Undertakings (PSUs) such as BHEL, GAIL, ONGC, NTPC, and others.
- Fellowship for PhD in IITs and IISc with a monthly stipend of ₹31,000/- for MTech and higher for PhD scholars.
- Gateway to research and teaching careers in central universities and premier research institutions.

The GATE MA paper covers topics including Calculus, Linear Algebra, Real Analysis, Complex Analysis, Ordinary Differential Equations, Partial Differential Equations, Numerical Methods, Probability and Statistics, and Linear Programming. The examination is of 3 hours duration and carries 100 marks.

2.3 IIT JAM (Joint Admission Test for Masters)

IIT JAM (Joint Admission Test for Masters) is a national-level entrance examination conducted by the IITs and IISc on a rotational basis. It is the primary gateway for admission to MSc, MSc-PhD Dual Degree, Joint MSc-PhD, and other Post-Bachelor Degree programmes at IITs and IISc.

For degree-level Mathematics students (BSc), IIT JAM MA (Mathematics) is the relevant paper. Qualifying IIT JAM offers:

- Direct admission to MSc Mathematics / MSc Applied Mathematics at IITs with GATE-equivalent stipend support for integrated programmes.

- Access to world-class research infrastructure and academic mentorship at the IITs.
- Eligibility for integrated PhD programmes leading to a research career in premier institutions.
- Excellent placement opportunities in academia, industry, and government research roles.

The IIT JAM MA paper covers topics from Real Analysis, Sequences & Series, Multivariable Calculus, Linear Algebra, Ordinary Differential Equations, Vector Calculus, Group Theory, and Partial Differential Equations. The exam is of 3 hours duration and carries 100 marks. It consists of Multiple Choice Questions (MCQs), Multiple Select Questions (MSQs), and Numerical Answer Type (NAT) questions.

3. PROGRAMME PROCEEDINGS

The programme commenced with a warm welcome to the Resource Person, Shri G. Srinivas, Director, GSN Academy, Rajahmundry. He delivered a highly informative and interactive session covering the following key areas:

Session Highlights:

- Detailed explanation of the importance of CSIR NET, GATE, and IIT JAM examinations for the future career of Mathematics students.
- Overview of the examination pattern, syllabus, and marking scheme of each exam.
- Preparation strategies — topic-wise prioritization, recommended books, online resources, and time management techniques.
- Career opportunities available after qualifying CSIR NET (JRF, Lectureship), GATE (M.Tech/PhD/PSU jobs), and IIT JAM (MSc at IITs).
- Research positions available in CSIR Laboratories, IITs, IISc, and National Research Institutions.
- Motivational talk on how dedicated preparation over 6–12 months can help students crack these prestigious examinations.
- Guidance on IIT JAM specifically for BSc degree students to get a bright future by gaining admission to IITs.
- Interactive Q&A session where students raised doubts on preparation methodology, time management, and career choices.

The guidance delivered by Shri G. Srinivas helped students gain complete awareness about preparation methods, which significantly increased their confidence to attempt the CSIR NET exam. He also specifically encouraged the degree (BSc) students to write the IIT JAM exam, emphasizing it as a direct pathway to a bright academic and research future.

4. OUTCOMES AND IMPACT

The programme yielded the following significant outcomes:

- 77 students (MSc and BSc Mathematics, including BSc AI and BSc Computational Maths) gained comprehensive awareness about CSIR NET, GATE, and IIT JAM examinations.
- Students received complete information about examination patterns, syllabi, eligibility criteria, and career prospects associated with each exam.

- Preparation confidence among students increased significantly following the expert guidance session.
- BSc students expressed strong interest in writing IIT JAM following the motivational session.
- Students were made aware of research fellowship opportunities (JRF/SRF) and their financial benefits.
- The session bridged the information gap between college-level education and national competitive examination requirements.
- The interaction with an experienced industry professional (GSN Academy Director) provided practical and actionable insights.

5. NAAC CRITERIA ALIGNMENT

| NAAC Criterion | Relevance |
|---|---|
| Criterion II – Teaching-Learning & Evaluation | Expert session enhanced students' career awareness beyond regular curriculum, promoting student-centric learning. |
| Criterion III – Research, Innovations & Extension | Awareness of JRF/SRF fellowships and research careers promotes research culture among students. |
| Criterion V – Student Support & Progression | Direct career guidance on NET, GATE, IIT JAM supports student academic and professional progression. |
| Criterion VI – Governance & Leadership | Planned, well-organized expert-lecture series reflects proactive departmental leadership. |

6. RESOURCE PERSON PROFILE

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| Name | Shri G. Srinivas |
| Designation | Director, GSN Academy, Rajahmundry |
| Specialization | CSIR NET, GATE, IIT JAM — Mathematics coaching & career guidance |
| Contact | Ph: 8074341090 |

7. LIST OF PARTICIPANTS

The following 77 students of the Department of Mathematics attended the programme:

| S.No | Name of the Student | Class / Programme |
|------|---------------------|-------------------|
| 1 | K. Gangothri | I MSc Maths |
| 2 | P. Usha Rani | I MSc Maths |
| 3 | Ch. Kai | I MSc Maths |
| 4 | D. Tejaswini | I MSc Maths |

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| 5 | T. Harika Devi | I MSc Maths |
| 6 | M. Devendra Bhanu | II MSc Maths |
| 7 | Tapathi | II MSc Maths |
| 8 | K. Doorobi | II MSc Maths |
| 9 | Sri | II MSc Maths |
| 10 | N. Routhna | II MSc Maths |
| 11 | V. Sravani | II MSc Maths |
| 12 | P. Akhila | II MSc Maths |
| 13 | Nuvulogalakshmi | II MSc Maths |
| 14 | D. Mahesh | II MSc Maths |
| 15 | Sk. Rehaman Bibi | II BSc Maths |
| 16 | A. Akhila Sri Venu | II BSc Maths |
| 17 | A. Abhilekhi | II BSc Maths |
| 18 | T. SSR Manikanta | II BSc Maths |
| 19 | Y. Vignesh | II BSc Maths |
| 20 | G. Venkat Teja Prasad | II BSc Maths |
| 21 | B. Nruvodha Chavan | II BSc Maths |
| 22 | K. Shekh Nakragyana Devi | II BSc Maths |
| 23 | M. Manokan Deva | IIInd BSc SC Maths |
| 24 | P. Satya Sai Iga | IIInd BSc SC Maths |
| 25 | D.V.N. Durgaprasad | IIInd BSc SC Maths |
| 26 | Sk. Khaja Atiko | IIInd BSc SC Maths |
| 27 | M.S. Hasulkar | IIInd BSc SC Maths |
| 28 | B. Bhaveen Kumar | IIInd BSc (AI) |
| 29 | V.V.S.H. Bhuvanoitring | IIInd BSc (AI) |
| 30 | K. Radha Anjali Soan | II BSc (AI) |
| 31 | A. Nilgere Ashok Simha | IIInd BSc (AI) |
| 32 | B. Praveen Kumar Dara | IIInd BSc (AI) |
| 33 | T. Arjun | BSc Computational Maths |
| 34 | M. Deepak | BSc Computational Maths |
| 35 | A. Nagavike | BSc Computational Maths |
| 36 | Y. Siva Dolphine | BSc Computational Maths |
| 37 | P. Veparadha | BSc Computational Maths |
| 38 | N.V.S. Jharna | BSc Computational Maths |

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| 39 | J. Dataram | BSc(H) Maths |
| 40 | K. Lokesh | BSc(H) Maths |
| 41 | G. Srinivas | BSc Computational Maths |
| 42 | K. Katadhan | BSc Computational Maths |
| 43 | K. Donayuga | BSc Computational Maths |
| 44 | P. Bhanumahuyoga | BSc Computational Maths |
| 45 | P. Bela Nagu | BSc Computational / Maths |
| 46 | Gr. Gamalasale | BSc Computational Maths |
| 47 | L. Pavani Jeehi | BSc Computational Maths |
| 48 | P. Durga S | BSc Computational Maths |
| 49 | U.C.S.S. Sike | BSc AI / Maths |
| 50 | P. Veena Lakshmi | BSc Artificial Intelligence |
| 51 | A. Snehalotha | BSc AI / Maths |
| 52 | D. Holotha | BSc AI / Maths |
| 53 | S. Bhunjukuwa | BSc AI (Artificial Intelligence) |
| 54 | Sk. Rizwan Parveen | IInd BSc Chal/ladal Tr.(AI) |
| 55 | Ch. Lakshmi | IInd BSc Maths (H) |
| 56 | M. Prepika | IInd BSc Maths (H) |
| 57 | Sk. R. Prasuten | IInd BSc Maths (AI) |
| 58 | K. Lakshmi Priya | 1st Year BSc Maths (H) |
| 59 | N. Durga Bhavani | 1st Year BSc Maths (H) |
| 60 | A. Satya | 1st Year BSc Maths (H) |
| 61 | K. Laxmi Devi | 1st Year BSc Maths (H) |
| 62 | K. Lokshmi Bhavani | 1st Year BSc Maths (H) |
| 63 | K. Prasanthika | 1st Year BSc Maths (H) |
| 64 | C. Priyanka | 1st Year BSc Maths (H) |
| 65 | K. Nandini | Ist BSc Maths (H) |
| 66 | P. Vennela | IInd BSc Maths (H) |
| 67 | R.L. Sripriya | IInd BSc Maths (H) |
| 68 | Ch. S.L. Hasini | IInd BSc Maths (H) |
| 69 | J. Hasini Annapurneswari | IInd BSc Maths (H) |
| 70 | J. Hasini | IInd BSc Maths (H) |
| 71 | B. Anuretha | IInd BSc Maths (H) |
| 72 | G. Geetha Madhuri | Ist BSc Maths (H) |

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| 73 | K. Divya | Ist BSc Maths (H) |
| 74 | S. Lekhana | IInd BSc Maths (H) |
| 75 | Y. Swathi | IInd BSc Maths (H) |
| 76 | T. Lavanya | IInd BSc Maths (H) |
| 77 | K. Srivalli | IInd BSc Maths (H) |

8. CONCLUSION

The Awareness Programme on CSIR NET, GATE, and IIT JAM organized by the Department of Mathematics, Government College (Autonomous), Rajahmundry, was highly successful and impactful. The expert guidance provided by Shri G. Srinivas, Director, GSN Academy, equipped students with valuable knowledge about career-defining national-level examinations. The event successfully motivated PG students to pursue CSIR NET and GATE, and inspired BSc students to aim for IIT JAM — paving their way to prestigious IITs. The Department of Mathematics remains committed to organizing such career-oriented programmes regularly to empower its students for a bright academic and professional future.

Signature of Resource Person

Shri G. Srinivas

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Ph: 8074341090

HOD, Department of Mathematics

Government College (Autonomous)
Rajahmundry

Dr. R.K. Ramachandra

Principal

Government College (Autonomous), Rajahmundry

[Signature & Seal]