



SRI G.V.G. VISALAKSHI COLLEGE FOR WOMEN

Autonomous & Affiliated to Bharathiar University

Accredited at A+ Grade by NAAC [5th Cycle]

Udumalpet – 642128, Tamil Nadu.

B.Sc. Mathematics (2021-2024)

Programme Outcomes

On completion of the Programme the students will

| |
|---|
| PO1: possess the ability to analyse and synthesize the concepts in mathematics and related subjects and to use appropriate mathematical techniques, skills and modern computing tools necessary for problem solving. |
| PO2: comprehend and solve real world problems and also develop creativity through practical components of the curriculum. |
| PO3: engage in independent learning to become freelance mathematics tutors, professionals or researchers |
| PO4: develop technical and creative skills. |
| PO5: promote and uphold Self-Discipline, Leadership Qualities, Secular Outlook, National Integration and Civic Responsibility. |
| PO6: augment the Acquisition of Micro and Macro Skills of Tamil, Malayalam, Hindi and French Language Usages. |
| PO7: enhance Communicative Linguistic Competency and Employability Quotient |
| PO8: exhibit consistent academic excellence and integrated personality towards lifelong learning. |

Programme Specific Outcomes

On completion of the Programme the students will

| |
|---|
| PSO1: acquire adequate knowledge in the basic principles of Mathematics and allied subjects. |
| PSO2: have a sound mathematical foundation that improves analytical and logical skills. |
| PSO3: be able to solve real life problems depicted in Mathematical form. |

Programme Educational Objectives

Within few years of graduation we expect the graduates to attain the following

| |
|---|
| PEO 1: Logical, analytical and problem solving skills. |
| PEO 2: Able to comprehend and construct mathematical proofs independently. |
| PEO 3: Able to explore the nuances of mathematical techniques and apply them to various domains |
| PEO 4: Will have confidence in one's own mathematical skills and knowledge. |
| PEO 5: Will be either readily employable, engage in higher learning or indulge in research and responsible citizens. |



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Mapping of Programme Outcomes and Programme Specific Outcomes to Programme Educational Objectives

| | PEO 1 | PEO 2 | PEO 3 | PEO 4 | PEO 5 |
|-------|-------|-------|-------|-------|-------|
| PO 1 | H | H | H | H | H |
| PO 2 | H | H | H | H | H |
| PO 3 | M | M | M | H | H |
| PO 4 | H | H | H | H | H |
| PO 5 | - | - | - | - | H |
| PO 6 | - | - | - | - | H |
| PO 7 | H | H | H | H | H |
| PO 8 | H | H | H | M | H |
| PSO 1 | M | H | H | H | H |
| PSO 2 | H | H | H | H | H |
| PSO 3 | M | M | H | H | H |



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Curriculum Design

Sri G.V.G Visalakshi College for Women (Autonomous)

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B.Sc. Mathematics (2021-2024)

Scheme of Examination – CBCS & OBE Pattern

(For the students admitted from the academic year 2021-2022 onwards)

| Sem | Course Code | Course Title | Ins. Hrs/ Week | Examination | | | | Credits |
|-----|---|--|----------------|-------------|-----------|-----------|-------------|---------|
| | | | | Dur. Hrs | CIA Marks | ESE Marks | Total Marks | |
| I | 121TA1/ 121MY1/ 121HD1/ 121FR1 | Part I- Language I | 6 | 3 | 50 | 50 | 100 | 3 |
| | 121EN1 | Part II – English I | 6 | 3 | 50 | 50 | 100 | 3 |
| | | Part III | | | | | | |
| | 121M01 | Core I Algebra and Calculus | 5 | 3 | 50 | 50 | 100 | 4 |
| | 121M02 | Core II Differential Equations and Laplace Transforms | 5 | 3 | 50 | 50 | 100 | 4 |
| | 121AM1/ 121AM2 | Allied I Physics I / Chemistry I | 4 | 3 | 30 | 45 | 75 | 4 |
| | | Allied Physics Practical / Chemistry Practical | 2 | - | - | - | - | - |
| | 121VEG | Part IV-Value Education Human Values and Gender Equity | 2 | 2 | 50 | - | 50 | 1 |
| II | 221TA2/ 221MY2/ 221HD2/ 221FR2 | Part I- Language II | 6 | 3 | 50 | 50 | 100 | 3 |
| | 221EN2 | Part II - English II | 6 | 3 | 50 | 50 | 100 | 3 |
| | | Part III | | | | | | |
| | 221M03 | Core III -Analytical Geometry of Three Dimensions | 5 | 3 | 50 | 50 | 100 | 5 |
| | 221M04 | Core IV- Operations Research with TORA | 5 | 3 | 50 | 50 | 100 | 4 |
| | 221AM3/ 221AM4 | Allied II Physics II/ Chemistry II | 4 | 3 | 30 | 45 | 75 | 4 |
| | 221AMP/ 221AMC | Allied Physics Practical / Chemistry Practical | 2 | 3 | 25 | 25 | 50 | 2 |



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|-----|---|---|------------|---|-----|-----|-----|-------|
| | 221EVS | Part IV-Environmental Studies | 2 | 2 | 50 | - | 50 | 1 |
| III | 321TA3/ 321MY3/ 321HD3/ 321FR3 | Part I – Language III | 6 | 3 | 50 | 50 | 100 | 3 |
| | 321EN3 | Part II -English III | 6 | 3 | 50 | 50 | 100 | 3 |
| | | Part III | | | | | | |
| | 321M05 | Core V Vector Calculus and Fourier Series | 3 | 3 | 50 | 50 | 100 | 3 |
| | 321M06 | Core VI Statics | 4 | 3 | 50 | 50 | 100 | 4 |
| | 321AM5/ 321AM6 | Allied III Principles of Accountancy/ Mathematical Statistics I | 6 | 3 | 50 | 50 | 100 | 5 |
| | 321NMC | Part IV - NME – Basic Mathematics for Competitive Examinations | 2 | 2 | 50 | - | 50 | 2 |
| | 321MS1 | Part IV -Skill Enhancement Course I Professional English for Mathematics | 3 | 3 | 100 | - | 100 | 2 |
| | 321NGA | Part IV- General Awareness- Information security | Self Study | 2 | 50 | - | 50 | Grade |
| IV | 421TA4/ 421MY4/ 421HD4/ 421FR4 | Part I – Language IV | 6 | 3 | 50 | 50 | 100 | 3 |
| | 421EN4 | Part II - English IV | 6 | 3 | 50 | 50 | 100 | 3 |
| | | Part III | | | | | | |
| | 421M07 | Core VII Numerical Methods | 3 | 3 | 50 | 50 | 100 | 3 |
| | 421M08 | Core VIII Dynamics | 4 | 3 | 50 | 50 | 100 | 4 |
| | 421AM7/ 421AM8 | Allied IV Statistics for Mathematics/ Mathematical Statistics II | 6 | 3 | 50 | 50 | 100 | 5 |
| | 421NGA | Part IV- General Awareness | 2 | 2 | 50 | - | 50 | 2 |
| | 421MS2 | Part IV - Skill Enhancement Course II Graph Theory | 3 | 3 | 100 | - | 100 | 2 |
| | 421MA1/ 421MA2/ 421MA3 | Advanced Learners Course – I Combinatorics / Statistical Quality Control/ MOOC | Self Study | 3 | - | 100 | 100 | 4* |



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| | | | | | | | | | |
|--------|-------------------|---|---|---------------|-----|----|-----|-------|----|
| V | 521M09 | Part III Core IX Real Analysis I | 6 | 3 | 50 | 50 | 100 | 5 | |
| | 521M10 | Core X Complex Analysis I | 5 | 3 | 50 | 50 | 100 | 5 | |
| | 521M11 | Core XI Abstract Algebra | 5 | 3 | 50 | 50 | 100 | 5 | |
| | 521M12 | Core XII Group Project | 5 | - | 50 | 50 | 100 | 4 | |
| | 521ME1/ 521ME2 | Elective I: Astronomy / Elementary Number Theory | 6 | 3 | 50 | 50 | 100 | 5 | |
| | 521MS3 | Part IV - Skill Enhancement Course III - Sequences and Series | 3 | 3 | 100 | - | 100 | 2 | |
| | 521NGO/ 521NGA | Part IV- General Awareness- Online MOOC or Swayam Courses/Life Skills | Self Study | 2 | 50 | - | 50 | Grade | |
| | 621M13 | Part III Core XIII Real Analysis II | 5 | 3 | 50 | 50 | 100 | 5 | |
| | 621M14 | Core XIV Complex Analysis II | 5 | 3 | 50 | 50 | 100 | 5 | |
| | 621M15 | Core XV Linear Algebra | 5 | 3 | 50 | 50 | 100 | 5 | |
| | 621ME3/ 621ME4 | Elective II Mathematical Cryptography/ Fuzzy and Intuitionistic Fuzzy Theory | 6 | 3 | 50 | 50 | 100 | 5 | |
| | 621PE4/ 621ME5 | Elective III Computational Methods using C Programming (T & P)/ Programming with Python (T & P) | 6 | 3 | 50 | 50 | 100 | 5 | |
| | 621MS4 | Part IV- Skill Enhancement Course IV Internship / Summer Training/Short Term Course | 3 | - | 100 | - | 100 | 2 | |
| | VI | 621EX1/ 621EX2/ 621EX3/ 621EX4/ 621EX5 | Part V- Extension activity NCC/NSS/YRC/RRC/ Games | - | - | 50 | - | 50 | 2 |
| | | 621MA4/ 621MA5/ 621MA6 | Advanced Learners Course II Mathematics in Insurance / Introduction to Wavelet theory/MOOC | Self Study | 3 | - | 100 | 100 | 4* |
| 621NGA | | Part IV- General Awareness--Professional Ethics | Self Study | 2 | 50 | - | 50 | Grade | |
| | | | | | | | | | |
| | | | | | | | | | |

Total: 3800 140



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CO PO Attainment

Name of the Course: Core VIII Dynamics

Course Code : 421M08

COURSE OUTCOMES

| CO | Statement | Bloom's Taxonomy level |
|-----|--|------------------------|
| CO1 | illustrate the basic concepts in Kinematics | A |
| CO2 | solve problems in simple harmonic motion. | A |
| CO3 | solve problems in projectile | A |
| CO4 | solve simple problems involving direct and oblique impact of bodies. | A |
| CO5 | solve problems involving central forces. | A |

1. INTERNAL CLASS AVERAGE

(Percentage of student attained our target-53%)

| CO's | CIA 1 | CIA 2 | MODEL | COMP1 (Assignment) | COMP 2 (Seminar) | COMP 3 (others) | Internal Class Average(ICA) |
|------|-------|-------|-------|--------------------|------------------|-----------------|-----------------------------|
| CO1 | | | 13 | 100 | 100 | 100 | 69.20 |
| CO2 | 30 | 33 | 10 | 100 | 100 | 100 | 62.17 |
| CO3 | | 36 | 12 | 100 | 100 | 100 | 69.60 |
| CO4 | | | 13 | 100 | 100 | 100 | 78.25 |
| CO5 | | | 15 | 100 | 100 | 100 | 78.75 |

2. TARGET LEVEL (3 – for >80% , 2 – for >70%, 1 – for >60%, 0 – for <60%)

| CO's | CIA 1 | CIA 2 | MODEL | COMP1 (Assignment) | COMP 2 (Seminar) | COMP 3 (others) | Internal Class Average(ICA) |
|------|-------|-------|-------|--------------------|------------------|-----------------|-----------------------------|
| CO1 | 2 | | | 3 | 3 | 3 | 1.80 |
| CO2 | 2 | | | 3 | 3 | 3 | 1.50 |
| CO3 | 2 | 3 | | 3 | 3 | 3 | 1.80 |
| CO4 | | 3 | | 3 | 3 | 3 | 2.25 |
| CO5 | | 3 | | 3 | 3 | 3 | 2.25 |



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3. DIRECT ATTAINMENT

| CO's | Internal Class Average (ICA) | External Class Avg (ECA) | Direct Attainment (0.5*ICA+0.5*ECA) |
|------|------------------------------|--------------------------|-------------------------------------|
| CO1 | 69.20 | 82.00 | 76.88 |
| CO2 | 62.17 | 82.00 | 74.07 |
| CO3 | 69.60 | 82.00 | 77.04 |
| CO4 | 78.25 | 82.00 | 80.50 |
| CO5 | 78.75 | 82.00 | 80.70 |

4. ATTAINMENT GAP AND ACTION

| CO's | Direct Attainment | Target % | Attainment Gap | Action Proposed |
|------|-------------------|----------|----------------|-----------------|
| CO1 | 76.88 | 65 | 11.88 | |
| CO2 | 74.07 | 65 | 9.07 | |
| CO3 | 77.04 | 65 | 12.04 | |
| CO4 | 80.50 | 65 | 15.50 | |
| CO5 | 80.70 | 65 | 15.70 | |

5. TOTAL ATTAINMENT

| CO's | Direct Attainment (0.5*ICA+0.5*ECA) | Indirect Attainment (Course Feed Back) | Total Attainment (0.8*DA+0.2*IA) | LEVEL |
|------|-------------------------------------|--|----------------------------------|-------|
| CO1 | 76.88 | 98.00 | 81.10 | 2.62 |
| CO2 | 74.07 | 98.00 | 78.85 | 2.52 |
| CO3 | 77.04 | 98.00 | 81.23 | 2.62 |
| CO4 | 80.50 | 98.00 | 84.00 | 2.76 |
| CO5 | 80.70 | 98.00 | 84.16 | 2.76 |

6. Mapping of Course outcome with POs and PSOs

| CO | PO 1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO 1 | PSO 2 | PSO 3 |
|------|------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|
| CO 1 | H | L | H | H | H | - | - | H | H | H | H |



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| | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|
| CO 2 | H | L | H | H | H | - | - | H | H | H | H |
| CO 3 | H | L | H | H | H | - | - | H | H | H | H |
| CO 4 | H | L | H | H | H | - | - | H | H | H | H |
| CO 5 | H | L | H | H | H | - | - | H | H | H | H |

7. LEVELS for CO- PO Mapping (3 – for H , 2 – for M, 1 – for L)

| CO | PO 1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO 1 | PSO 2 | PSO 3 |
|---------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| CO 1 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 3 | 3 |
| CO 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO 3 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 3 | 3 | 3 |
| CO 4 | 2 | 2 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 |
| CO 5 | 2 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 3 | 3 | 3 |
| Expected Attainment | 2.80 | 2.80 | 3.00 | 2.00 | 2.00 | 2.80 | 2.80 | 3.00 | 3.00 | 3.00 | 3.00 |

8. PO CO Attainment

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO 1 | PSO 2 | PSO 3 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CO 1 | 2.616 | 0 | 2.616 | 0.872 | 1.744 | 1.744 | 2.616 | 1.744 | 2.44 | 2.44 | 2.44 |
| CO 2 | 1.68 | 1.68 | 2.52 | 0.84 | 1.68 | 2.52 | 2.52 | 2.52 | 2.392 | 2.392 | 2.392 |
| CO 3 | 2.616 | 2.616 | 2.616 | 1.744 | 1.744 | 1.744 | 1.744 | 0.872 | 2.136 | 2.136 | 2.136 |
| CO 4 | 2.76 | 2.76 | 2.76 | 2.76 | 1.84 | 2.76 | 0.92 | 2.76 | 2.28 | 2.28 | 2.28 |
| CO 5 | 2.76 | 2.76 | 2.76 | 2.76 | 1.84 | 1.84 | 2.76 | 1.84 | 2.28 | 2.28 | 2.28 |
| Achieved CO PO Attainment | 2.49 | 1.96 | 2.65 | 1.80 | 1.77 | 2.12 | 2.11 | 1.95 | 2.31 | 2.31 | 2.31 |



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Department of Mathematics (Aided)

CO PO Mapping (2021-2024)

B.Sc Mathematics

| S.No | Semester | Paper code | Paper Name | Expected CO PO Attainment | | | | | | | | | | | Achieved CO PO Attainment | | | | | | | | | | |
|------|----------|------------|---|---------------------------|------|------|------|------|------|-----|------|------|------|------|---------------------------|------|------|------|------|------|------|------|------|------|------|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PSO1 | PSO2 | PSO3 |
| 1 | I | 121TA1 | Part I- Language I | - | - | - | - | 3 | 3 | - | - | - | - | - | - | - | - | - | 2.62 | 2.62 | - | - | - | - | - |
| 2 | I | 121EN1 | Part II – English I | 2.17 | 2 | 1.83 | 1.5 | 2 | - | - | - | - | - | - | 1.59 | 1.47 | 1.34 | 1.1 | 1.22 | - | - | - | - | - | |
| 3 | I | 121M01 | Core I Algebra and Calculus | 3 | 3 | 2.6 | 1.4 | 2 | - | - | 1.2 | 3 | 3 | 3 | 3 | 3 | 2.6 | 1.4 | 2 | - | - | 1.2 | 3 | 3 | 3 |
| 4 | I | 121M02 | Core II Differential Equations and Laplace Transforms | 3 | 3 | 2.2 | 2 | 2 | - | - | 1.2 | 3 | 3 | 3 | 2.65 | 2.13 | 1.95 | 1.77 | 1.77 | - | - | 1.07 | 2.65 | 2.65 | 2.65 |
| 5 | I | 121AM1 | Allied I Physics I | 3 | - | - | 1.6 | - | - | - | - | 3 | 1.81 | 0 | - | 0.96 | - | - | - | - | 1.81 | - | - | - | - |
| 6 | I | 121AM2 | Allied I Chemistry I | - | 1 | - | 1 | - | - | 2 | 2 | 3 | 1 | 2 | - | 1 | - | 1 | - | - | 2 | 2 | 3 | 1 | 2 |
| 7 | II | 221TA2 | Part I- Language II | - | - | - | - | 3 | 3 | - | - | - | - | - | - | - | - | - | 2.62 | 2.62 | - | - | - | - | - |
| 8 | II | 221EN2 | Part II - English II | 2 | 2.33 | 2 | 1.83 | 2.17 | - | - | - | - | - | - | 1.79 | 2.08 | 1.79 | 1.64 | 1.64 | - | - | - | - | - | - |
| 9 | II | 221M03 | Core III -Analytical Geometry of Three Dimensions | 2.2 | 2.6 | 3 | 3 | 2 | 1 | 2 | 3 | 2 | 2.6 | 2.2 | 1.95 | 2.3 | 2.65 | 2.69 | 1.77 | 0.88 | 1.77 | 2.65 | 1.78 | 2.3 | 1.93 |
| 10 | II | 221M04 | Core IV- Operations Research with TORA | 2.85 | 1.9 | 2.85 | 2.46 | 1.9 | 2.85 | 1.9 | 1.89 | 0.96 | 2.85 | 1.9 | 3 | 2 | 3 | 2.6 | 2 | 3 | 2 | 2 | 1 | 3 | 2 |



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|----|-----|--------|---|---------------------------|-----|-----|------|-----|-----|-----|-----|-----|-----|---------------------------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | II | 221AM3 | Allied II Physics II | 3 | - | - | 1.6 | - | - | - | - | 3 | - | - | 1.81 | - | - | 0.97 | - | - | - | - | 1.81 | - | - |
| 12 | | 221AM4 | Allied II Chemistry II | 1 | 1.2 | 1.4 | 1 | 1 | - | - | - | - | - | - | 0.98 | 1.18 | 1.37 | 0.98 | 0.98 | - | - | - | - | - | - |
| 13 | II | 221AMP | Allied Physics Practical | - | 3 | - | 2.2 | - | - | - | - | 3 | - | - | - | 2.4 | - | 2.2 | - | - | - | - | 3 | - | - |
| 14 | II | 221AMC | Allied Chemistry Practical | - | 1 | - | 1 | - | - | 2 | 2 | 3 | 1 | 2 | - | 1 | - | 0.9 | - | - | 2 | 1.5 | 2.5 | 0.9 | 2 |
| 15 | III | 321TA3 | Part I – Language III | - | - | - | - | 3 | 3 | - | - | - | - | - | - | - | - | 2.62 | 2.62 | - | - | - | - | - | |
| 16 | III | 321EN3 | Part II -English III | - | - | - | 2.2 | 2.6 | - | 2.8 | 2.2 | - | - | - | - | - | 2.2 | 2.6 | - | 2.8 | 2.2 | - | - | - | |
| 17 | III | 321M05 | Core V Vector Calculus and Fourier Series | 2.4 | 2.6 | 2.6 | 2 | 2.4 | 2.4 | 2.4 | 2.2 | 1.8 | 2.8 | 1.6 | 2.11 | 1.77 | 2.3 | 1.77 | 2.11 | 2.12 | 2.11 | 1.95 | 1.6 | 2.48 | 1.41 |
| 18 | III | 321M06 | Core VI Statics | 3 | 1 | 3 | 3 | 3 | 2 | 1 | 3 | 3 | 3 | 3 | 2.7 | 0.9 | 2.7 | 2.7 | 2.7 | 1.8 | 0.9 | 2.7 | 2.7 | 2.7 | 2.7 |
| 19 | III | 321AM6 | Allied III Mathematical Statistics I | 2.8 | 2.6 | 3 | 3 | - | - | 3 | - | 3 | 3 | 3 | 2.01 | 1.87 | 2.16 | 2.16 | - | - | 2.18 | - | 2.16 | 2.15 | 2.17 |
| 20 | IV | 421TA4 | Part I – Language IV | - | - | - | - | 3 | 3 | - | - | - | - | - | - | - | - | 2.62 | 2.62 | - | - | - | - | - | |
| 21 | IV | 421EN4 | Part II- English IV | - | - | - | 2 | 2.6 | - | 2.4 | 2.2 | - | - | - | - | - | 1.63 | 2.12 | - | 1.96 | 1.79 | - | - | - | |
| 22 | IV | 421M07 | Core VII Numerical Methods | 3 | 3 | 3 | 3 | 2 | 1 | 1.2 | 1 | 3 | 3 | 3 | 2.79 | 2.79 | 2.79 | 2.79 | 1.86 | 0.93 | 1.12 | 0.93 | 2.79 | 2.79 | 2.79 |
| 23 | IV | 421M08 | Core VIII Dynamics | 2.8 | 2.8 | 3 | 2 | 2 | 2.8 | 2.8 | 3 | 3 | 3 | 3 | 2.49 | 1.96 | 2.65 | 1.8 | 1.77 | 2.12 | 2.11 | 1.95 | 2.31 | 2.31 | 2.31 |
| 24 | IV | 421AM6 | Allied IV Mathematical Statistics II | 2.8 | 2.6 | 3 | 3 | 2 | 1 | 3 | - | 3 | 3 | 3 | 2.68 | 2.48 | 2.87 | 2.87 | 1.91 | 0.96 | 2.9 | - | 2.87 | 2.87 | 2.87 |
| 25 | V | 521M09 | Part III Core IX Real Analysis I | 3 | 3 | 3 | 1.59 | - | - | 1.2 | 1.8 | 3 | 3 | 3 | 2.52 | 2.52 | 2.52 | 1.38 | - | - | 0.99 | 1.53 | 2.52 | 2.52 | 2.52 |
| 26 | V | 521M10 | Core X Complex Analysis I | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 2.6 | 2.2 | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 2.6 | 2.2 |



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| | | | | Expected CO PO Attainment | | | | | | | | | | Achieved CO PO Attainment | | | | | | | | | | | |
|----|----|-------------------|--|---------------------------|----------|----------|----------|----------|----------|----------|----------|------|------|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | V | 521M11 | Core XI Abstract Algebra | 2.17 | 2.67 | 2.83 | 2.83 | 1.33 | 1 | 2 | 3 | 2.2 | 2.6 | 2.4 | 2.3 | 2.5 | 2.88 | 2.88 | 0.96 | 0.96 | 1.92 | 2.88 | 2.1 | 2.5 | 2.31 |
| 28 | V | 521ME1/ 521ME2 | Elective I: Astronomy / Elementary Number Theory | 2.8 | 2.4 | 2 | 2 | 2.6 | 1 | 2.2 | 2.2 | 1.8 | 2.6 | 2.4 | 2.8 | 2.4 | 2 | 2 | 2.6 | 1 | 2.2 | 2.2 | 1.8 | 2.6 | 2.4 |
| 29 | VI | 621M13 | Part III Core XIII Real Analysis II | 3 | 3 | 3 | 1.6 | - | - | 1.4 | 1.6 | 3 | 3 | 3 | 2.31 | 2.31 | 2.31 | 1.23 | - | - | 1.08 | 1.24 | 2.31 | 2.31 | 2.31 |
| 30 | VI | 621M14 | Core XIV Complex Analysis II | 3 | 3 | 2.2 | 2 | 1 | 1 | 1.2 | 1.2 | 2 | 2.6 | 2.2 | 2.97 | 2.37 | 2.17 | 1.98 | 0.99 | 0.99 | 1.19 | 1.18 | 1.97 | 2.57 | 2.18 |
| 31 | VI | 621M15 | Core XV Linear Algebra | - | 1.6 | 2.6 | 3 | 3 | 3 | 2 | 2.4 | 3 | 2 | 2 | - | 1.47 | 2.39 | 2.76 | 2.76 | 2.76 | 1.84 | 2.21 | 2.76 | 1.84 | 1.84 |
| 32 | VI | 621ME3/ 621ME4 | Elective II Mathematical Cryptography/ Fuzzy and Intuitionistic Fuzzy Theory | 3 | 3 | 3 | 2.8 | 1.8 | 1.4 | 1.6 | 2.4 | 2.8 | 3 | 3 | 2.78 | 2.78 | 2.78 | 2.6 | 1.65 | 1.28 | 1.47 | 2.22 | 2.6 | 2.76 | 2.78 |
| 33 | VI | 621ME5 | Elective III Programming with Python (T & P) | 2.01 | 2.01 | 1.41 | 1.8 | 0.99 | - | - | 1.8 | 2.01 | 2.01 | 2.61 | 1.64 | 1.64 | 1.15 | 1.48 | 0.82 | - | - | 1.47 | 1.64 | 1.64 | 2.14 |
| | | | Average | 2.65 | 2.33 | 2.57 | 2.12 | 2.14 | 1.97 | 2.01 | 2.11 | 2.61 | 2.57 | 2.43 | 2.36 | 1.97 | 2.34 | 1.95 | 1.91 | 1.78 | 1.83 | 1.90 | 2.30 | 2.33 | 2.28 |
| | | | Percentage | 100 % | 100 % | 100 % | 100 % | 100 % | 100 % | 100 % | 100 % | 100% | 100% | 100% | 88.90 % | 84.5 6% | 90.8 9% | 91.8 8% | 89.3 6% | 90.5 2% | 91.0 8% | 90.0 2% | 88.17 % | 90.81 % | 93.82 % |

Remarks : Courses with low attainment are considered for improvement