

| ANNUAL CURRICULAR | | | | | I BSC PLAN I (Year) | | | | | | | |
|--|------|-----------------|--|--|---------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|
| NAME OF THE LECTURER: P. Satya Sangeetha | | | | | CLASS : MPC | | | | Semester : II | | | |
| | | | | | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| June | 1st | 6 | Syllabus, model papers unit-I: The plane, equation of the plane in terms of the intercept on the axis, eq's of the plane through given pts | — | Teaching | 06 | Yes | — | — | — | — | — |
| | | | length of \perp from a given pts to a given plane | — | — | — | — | — | — | — | — | — |
| | 2nd | 7 | Bisectors of angle b/w two planes, combined equation of two planes | — | Teaching | 07 | Yes | — | — | — | — | — |
| | | | orthogonal projections on a plane | — | — | — | — | — | — | — | — | — |
| | 3rd | 7 | unit-II: The right line equation of a line, angle b/w a line and a plane | — | Teaching | 07 | Yes | — | — | — | — | — |
| | | | The condition that a given line may lie on a given plane | — | — | — | — | — | — | — | — | — |
| | 4th | 7 | No. of arbitrary constant in the equation of a straight line, sets of condition which determine a line | — | Teaching | 07 | Yes | — | — | — | — | — |
| | | | | — | — | — | — | — | — | — | — | — |

Signature of the Lecturer

Sangeetha

Signature of the HOD

D. V. S. Rao

Signature of the Principal

S. S. S. S.

| ANNUAL CURRICULAR | | | | | PLAN I (Year) | | | | | | | | |
|--|------|-----------------|--|---|-------------------------------|----------------|-------------------|-----------------------|---|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER: P. Satya Sangeetha | | | | | CLASS: I BSC MPC Semester: II | | | | Mathematics - Paper-II Paper: Solid Geometry | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| June | 5th | 3 | shortest distance b/w two lines, the length & eq of line of shortest distance b/w two straight lines | - | Teaching | 03 | Yes | - | - | - | - | - | - |
| September | 1st | 5 | length of \perp^m from a given pt to a given line | ① Area of triangle ② Dihedral Angle ③ volume of the tetrahedron | Teaching | 05 | Yes | - | - | - | - | - | - |
| | | | unit-III: Spheres. Def & equation of the sphere through 4 points | - | - | - | - | - | - | - | - | - | - |
| | 2nd | 5 | plane section of a spheres intersection of 2 spheres | - | Teaching | 04 | Yes | - | Assignment | 01 | Yes | - | - |
| | | | equation of a circle, sphere through a given circle | - | - | - | - | - | - | - | - | - | - |
| | | | Intersection of a sphere and a line | - | - | - | - | - | - | - | - | - | - |
| | 3rd | 6-7 | power of a pt, tangent plane, plane of contact | - | Teaching | 06 | Yes | - | Seminar | 01 | Yes | - | - |
| | | | polar plane, pole of a plane, conjugate pts conjugate plane. | - | - | - | - | - | - | - | - | - | - |

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Sangeetha

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|--|------|-----------------|---|--|-------------------------------|----------------|-------------------|-----------------------|---|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER: P. Satya Sangeetha | | | | | CLASS: I BSc-MPC Semester: II | | | | Mathematics - Paper - II Paper: Solid Geometry | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| September | 4th | 67 | unit IV: The sphere and cone, angle of intersection of 2 spheres, conditions for 2 spheres to be orthogonal radical plane radical center, co-axial system of spheres, simplified form of the eq ⁿ of 2 spheres | - | Teaching | 06 | Yes | - | Quiz | 01 | Yes | - | |
| | | | Def of cone, vertex guiding curves, generator | - | - | - | - | - | - | - | - | - | - |
| | | | eq ⁿ of cone with given vertex & guiding curve | - | - | - | - | - | - | - | - | - | - |
| October | 1st | 1 | Enveloping cone of a sphere, eq ⁿ of cone with vertex at origin | - | Teaching | 01 | Yes | - | - | - | - | - | |
| | | | cone homogeneous condition that the generator eq ⁿ of 2 nd degree should represent a cone, condition that a cone may have | - | - | - | - | - | - | - | - | - | |
| | | | Group discussion | 01 | Yes | - | - | - | - | | | | |

Signature of the Lecturer

Sangeetha

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|--|-----------------|-----------------|--|--|-------------------------------|----------------|-------------------|-----------------------|---|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER: P. Satya Sangeetha | | | | | CLASS: I BSC-MPC Semester: II | | | | Mathematics - Paper - II Paper: Solid Geometry | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| | | | three mutually \perp generators | - | - | - | - | - | - | - | - | - | - |
| | 3 rd | 2 | unit - V: Cone: Intersection of a line & quadratic cone | - | Teaching | 02 | yes | - | - | - | - | - | - |
| | | | Tangent line & tangent plane at a pt | - | Teaching | 06 | yes | - | - | - | - | - | - |
| | | | condition that a plane may touch a cone | - | - | - | - | - | - | - | - | - | - |
| | 5 th | 7 | Reciprocal cones, intersection of 2 cones with a common vertex, right circular cone with a given vertex, axis & semi vertical angles | - | Teaching | 07 | yes | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

Signature of the Lecturer

Sangeetha

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[Signature]

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| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | |
|-------------------------|----------|-----------------|---|--|---------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER | | | | | CLASS : II B.Sc | | | | Semester : IV | | | | |
| ch. Sri Lakshmi Lavanya | | | | | Mathematics - IV | | | | Paper : Real Analysis | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| May | 1st week | 01 | Syllabus and Model Paper | - | Teaching | 1 | Yes | - | - | - | - | - | - |
| | 2nd week | 07 | Model Paper and unit-I: Real numbers, The algebraic & order properties of R, Absolute value & Real lines, completeness & Real lines, completeness Property of R, Applications of sup/inf Property | - | Teaching | 7 | Yes | - | - | - | - | - | - |
| | | | intervals. Sequences: Definition and their limits | - | - | - | - | - | - | - | - | - | - |
| | 3rd week | 05 | Range & Boundedness of sequences, limit of a sequence and convergent sequence | - | Teaching | 5 | Yes | - | - | - | - | - | - |
| | | | The cauchy's criterion Property divergent sequences, Monotone sequences, Necessary and sufficient condition for convergence of Monotone sequence. | - | Teaching | 7 | Yes | - | - | - | - | - | - |
| | 4th week | 07 | | - | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |


Signature of the Lecturer
ch. S. L. Lavanya

Signature of the HOD *[Signature]*

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| ANNUAL CURRICULAR | | | | | II B.Sc PLAN II (Year) | | | | | | | | |
|--|----------|-----------------|--|--|--|----------------|-------------------|-----------------------|---|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER Ch. Sri Lakshmi Lavanya | | | | | CLASS : II MECS, II MPCS - I Semester : IV | | | | Paper : Mathematics - IV Real Analysis | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| | 5th Week | 07 | Limit Point of sequence Subsequence & the Bolzano Weierstrass theorem. cauchy's general Principle of convergence | Contractive Sequence | Teaching using ppt | 7 | Yes | - | - | - | - | - | - |
| | | | | - | - | 1 | - | - | - | - | - | - | - |
| | 6th week | 01 | cauchy's general Principle of convergence | - | Teaching | 1 | Yes | - | - | - | - | - | - |
| June | 1st week | 05 | Unit-II : Infiniteseries introduction to series, convergence of series | - | Teaching | 5 | Yes | - | - | - | - | - | - |
| | | | cauchy's general principle of convergence for series test for convergence of series | - | - | - | - | - | - | - | - | - | - |
| | 2nd week | 07 | series of non-negative terms, P-test cauchy's nth root test or Root test | - | Teaching | 7 | Yes | - | - | - | - | - | - |
| | 3rd week | 07 | cauchy's nth root test D'Alembert's test (or) Ratio test | - | Teaching | 7 | Yes | - | - | - | - | - | - |
| | 4th week | 07 | Alternating series - Leibnitz test, absolute convergence and semi convergence, Conditional convergence. | - | Teaching | 7 | Yes | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

Signature of the Lecturer
Ch. S. Lakshmi Lavanya

Signature of the HOD 

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| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | |
|----------------------|----------|-----------------|---|--|---|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|
| NAME OF THE LECTURER | | | | | CLASS : <u>II B.Sc</u> Semester : <u>IV</u> Mathematics - <u>IV</u> | | | | | | | |
| | | | | | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | 5th week | 03 | Unit-III: Limits: Real valued Functions, Boundedness of a function, limits of functions some extensions of the limit concept, infinite limits, limits at infinity | - | Teaching | 3 | Yes | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - |
| July | 1st week | 03 | Continuity: continuous functions, combination of continuous functions. | - | Teaching | 3 | Yes | - | - | - | - | - |
| | 2nd week | 06 | continuous functions on intervals and uniform continuity. | - | Teaching | 5 | Yes | - | Classroom Seminar | 1 | Yes | - |
| | 3rd week | 07 | Unit-IV: Differentiation & Mean value theorem The derivability and continuity of a function Graphical meaning of the derivative. | - | Teaching | 7 | Yes | - | - | - | - | - |
| | 4th week | 05 | Mean value theorem, Rolle's theorem and Lagrange's theorem | - | Teaching | 5 | Yes | - | - | - | - | - |
| | 5th week | 07 | Lagrange's theorem and Cauchy's Mean value theorem | L'Hospital's Rule | Teaching using ppt | 6 | Yes | - | Group Discussion | 1 | Yes | - |

Signature of the Lecturer
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| ANNUAL CURRICULAR | | | | | II B.Sc PLAN II (Year) | | | | | | | | |
|--|----------------------|-----------------|---|--|---|----------------|-------------------|-----------------------|-------------------------|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER Ch. Sri Lakshmi Lavanya | | | | | CLASS : II MECS, II MPS-I Semester : IV | | | | Paper : Real Analysis | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| August | 1 st week | 07 | Unit-IV : Riemann integration : Riemann integral, Riemann integral | - | Teaching | 7 | Yes | - | - | - | - | - | - |
| | | | Functions, Darboux theorem. Necessary & sufficient condition for | - | - | - | - | - | - | - | - | - | - |
| | | | R- integrability | - | - | - | - | - | - | - | - | - | - |
| | 2 nd week | 07 | Properties of integrable functions, fundamental theorem of integral calculus. | - | Teaching | 6 | Yes | - | Quiz | 1 | Yes | - | - |
| | | | Integral as the limit of a sum, mean value theorems | - | Teaching | 5 | Yes | - | - | - | - | - | - |
| | 4 th week | 07 | I Mid examination | - | - | - | - | - | - | - | - | - | - |
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Signature of the Lecturer
Ch. S. Lavanya

Signature of the HOD 

Signature of the Principal 

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | PLAN I (Year) | | | | | | | | | | | |
|--|----------|-----------------|---|--|---|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|---------------------------------|--|--|--|
| NAME OF THE LECTURER: <i>N. Malini</i> | | | | | CLASS: <i>II BSC, MPC-II, MPCs-II, MS-I</i> | | | | Semester: <i>IV</i> | | | | Paper: <i>Analytical Skills</i> | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | | | | |
| May | 1st week | 1 | Syllabus & model paper | - | Teaching | 01 | Yes | - | - | - | - | - | - | | | |
| | 2nd week | 3 | Unit-II - sequence & series analogies of numbers & alphabets Completion of blank spaces following the patterning a:b:c:d; relationship | - | Teaching | 03 | Yes | - | - | - | - | - | - | | | |
| | 3rd week | 3 | odd thing out, missing number in a sequence (or) a series | - | Teaching | 03 | Yes | - | - | - | - | - | - | | | |
| | 4th week | 3 | Continuous pattern series exercise problems | Square roots & Cube roots | Teaching & using youtube | 03 | Yes | - | - | - | - | - | - | | | |
| | 5th week | 1 | Unit-III Arithmetic Ability fundamental operations. | - | Teaching. | 01 | Yes | - | - | - | - | - | - | | | |

Signature of the Lecturer

N. Malini

Signature of the HOD

Dr. Ratnala

Signature of the Principal

[Signature]

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | PLAN II (Year) | | | | CO-CURRICULAR ACTIVITY | | | |
|----------------------|----------|-----------------|---|--|--------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|
| NAME OF THE LECTURER | | | | | CLASS | | | | Paper : | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | | | Power of exponents | - | - | - | - | - | - | - | - | - |
| June | 1st week | 3 | Algebraic Identity, questions on VBOD-MAS rule. | - | Teaching | 03 | Yes | - | - | - | - | - |
| | | | Examples Divisibility rules | - | - | - | - | - | - | - | - | - |
| June | 2nd week | 3 | Questions on decimal, simplification of fractions. Ques no | - | Teaching. | 03 | Yes | - | - | - | - | - |
| | | | Square root, square cube & cuberoot. | - | - | - | - | - | - | - | - | - |
| | 3rd week | 3 | Qns on simplification of surds & Indices, Percentage based. | - | Teaching | 03 | Yes | - | - | - | - | - |

Signature of the Lecturer

N. Nalini

Signature of the HOD

M.D. Ratnakumari

Signature of the Principal

[Signature]

LIFE SKILL Course - A.S

II BSC PLAN II (Year) CLASS: II MPC-II, MPCs-II, MS-I Semester: IV

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | CLASS : <u>II BSC PLAN II (Year)</u> | | | | Paper : <u>Life Skill Course Analytical Skills</u> | | | |
|---------------------------------------|----------|-----------------|--|--|--------------------------------------|----------------|-------------------|-----------------------|--|----------------|-------------------|-----------------------|
| NAME OF THE LECTURER <u>N. Nalini</u> | | | | | Semester : <u>IV</u> | | | | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | | | questions simplification of miscellaneous type of questions fractions. | - | - | - | - | - | - | - | - | - |
| 4th week | 4th week | 3 | LCM & GCD (HCF) Time & Date problems. | - | 03 | yes | - | - | - | - | - | - |
| | 5th week | 3 | clander problems, clock problems. | - | 03 | yes | - | - | - | - | - | - |
| July | 1st week | 2 | Blood relationship | - | 02 | yes | - | - | - | - | - | - |
| | 2nd week | 3 | unit-IV - Averages ratio & proportion Problems on Ages. | - | 03 | yes | - | - | - | - | - | - |
| July | 3rd week | 3 | Time, distance & speed problems, based | - | 03 | yes | - | - | - | - | - | - |

Signature of the Lecturer

N. Nalini

Signature of the HOD

N.P. Ratnakar

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | PLAN II (Year) | | | | | | | | | |
|--|-----------------|-----------------|---|--|-------------------------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|--------------------------|--|
| NAME OF THE LECTURER: <i>N. Malini</i> | | | | | CLASS: <i>MPC-II, MPCs-II, MS-I</i> | | | | Semester: <i>IV</i> | | Paper: <i>AS</i> | | <i>Life Skill course</i> | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | | |
| | | | <i>on trains, boats and streams</i> | - | - | - | - | - | - | - | - | - | - | |
| | <i>4th week</i> | <i>3</i> | <i>unit-V:- Business Computations: Percentage</i> | - | <i>Teaching.</i> | <i>03</i> | <i>yes</i> | - | - | - | - | - | - | |
| | | | <i>Profit & loss Partnership</i> | - | - | - | - | - | - | - | - | - | - | |
| | <i>5th week</i> | <i>3</i> | <i>simple interest & compound interest</i> | - | <i>Teaching.</i> | <i>03</i> | <i>yes</i> | - | - | - | - | - | - | |
| <i>Aug</i> | <i>1st week</i> | <i>3</i> | <i>Unit-I Data Analysis -is the data given in table</i> | - | <i>Teaching</i> | <i>03</i> | <i>yes</i> | - | - | - | - | - | - | |
| | <i>2nd week</i> | <i>3</i> | <i>timeseries, line graph frequency,</i> | - | <i>Teaching.</i> | <i>03</i> | <i>yes</i> | - | - | - | - | - | - | |

Signature of the Lecturer

N. Malini

Signature of the HOD

Dr. Ratna Lakshmi

Signature of the Principal

[Signature]

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020-2021

Life Skill Course

| ANNUAL CURRICULAR | | | | | PLAN II (Year) | | | | CO-CURRICULAR ACTIVITY | | | |
|---------------------------------------|----------------------------|-----------------|--|--|--------------------------------------|----------------|-------------------|-----------------------|---|----------------|-------------------|-----------------------|
| NAME OF THE LECTURER <i>N. Nalini</i> | | | | | CLASS : <i>MPC-II, MPCs-II, MS-I</i> | | | | Semester : <i>IV</i> Paper : <i>A-S</i> | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | Activity Conducted | Hours Allotted | Whether Conducted | if not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | | | <i>array line graph Bar graphs</i> | - | - | - | - | - | - | - | - | - |
| | <i>3rd week</i> | <i>3</i> | <i>multiple Bar graphs, pie charts</i> | - | <i>Teaching</i> | <i>03</i> | <i>yes</i> | - | - | - | - | - |
| <i>Aug</i> | <i>4th week</i> | <i>3</i> | <i>Venn diagram or a Passage is to be analyzed & the Q's</i> | <i>Time and work</i> | <i>Teaching & using ppt</i> | <i>03</i> | <i>yes</i> | - | - | - | - | - |
| | | | <i>Certaining to the data are to be answered</i> | - | - | - | - | - | - | - | - | - |
| | <i>5th week</i> | <i>1</i> | <i>Study hour</i> | - | - | - | - | - | - | - | - | - |
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Signature of the Lecturer
N. Nalini

Signature of the HOD
N.P. Ratnam

Signature of the Principal
[Signature]

| ANNUAL CURRICULAR | | | | | PLAN III (Year) | | | | | | | | |
|---|------|-----------------|--|--|---------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER V. D. RATHA KUMARI | | | | | CLASS : III MScs-I | | | | Semester : VI | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| May | 1st | 01 | Syllabus & model paper | - | Teaching | 1 | yes | - | - | - | - | - | - |
| | 2nd | 06 | Unit III Errors in polynomial interpolation, finite differences, forward & backward differences. | - | Teaching | 6 | yes | - | - | - | - | - | - |
| | 3rd | 05 | central differences, symbolic relations | - | Teaching | 5 | yes | - | - | - | - | - | - |
| | 4th | 06 | Detection of errors by use of difference tables | - | Teaching | 6 | yes | - | - | - | - | - | - |
| | 5th | 06 | Differences of a polynomial | - | Teaching | 6 | yes | - | - | - | - | - | - |
| | | | Unit IV: Newton formulae for interpolation | - | - | - | - | - | - | - | - | - | - |
| | 6th | 01 | Central difference interpolation formulae | - | Teaching | 1 | yes | - | - | - | - | - | - |
| June | 1st | 05 | Gauss central formula, Stirling's formulae | - | Teaching | 5 | yes | - | - | - | - | - | - |

Signature of the Lecturer

V. D. Ratha Kumari

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V. D. Ratha Kumari

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[Signature]

Mathematics

| ANNUAL CURRICULAR | | | | | III Bsc Mpes-I PLAN (Year) | | | | | | | | |
|--|------|-----------------|--|--|----------------------------------|----------------|-------------------|-----------------------|----------------------------|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER V.O. Ratna Kumari | | | | | CLASS : III MScs-I Semester : VI | | | | Paper : Numerical Analysis | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| June | 2nd | 06 | Bessels formulae Everett formulae | Boole's Rule | Teaching | 6 | Yes | - | - | - | - | - | - |
| | | | Unit V: Interpolation with unequally spaced points | - | - | 1 | - | - | - | - | - | - | - |
| | 3rd | 06 | Lagrange formulae, Errors in Lagrange's formulae, Divided differences & their properties | - | Teaching | 6 | Yes | - | - | - | - | - | - |
| | | | Relation b/w divided & forward diff, Relation b/w divided & backward diff, Relation b/w divided & central differences. | - | Teaching | 6 | Yes | - | - | - | - | - | - |
| | 4th | 06 | Newton's general interpolation formulae, Inverse interpolation | - | Teaching | 3 | Yes | - | - | - | - | - | - |
| July | 1st | 03 | Unit I. Errors & their accuracy, Mathematical preliminaries, Errors & their Analysis. | - | Teaching | 3 | Yes | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

Signature of the Lecturer

V.O. Ratna Kumari

Signature of the HOD

V.O. Ratna Kumari

Signature of the Principal

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Mathematics

ANNUAL CURRICULAR

NAME OF THE LECTURER V. D. Ratna Kumari

BSc
 III BSc III MPCS I PLAN III (Year)
 CLASS : III MScs I Semester : VI

Elective - III
 Paper : Numerical Analysis

| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | |
|-------|------|-----------------|--|--|---------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | 2nd | 05 | Absolute relative & percentage error, General error formula, Errors in series of Expansion | - | Teaching | 5 | yes | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - |
| | 3rd | 6 | Unit II: The bisection method, Iteration method | - | Teaching | 6 | yes | - | - | - | - | - |
| | 4th | 5 | The method of false position | - | Teaching | 5 | yes | - | - | - | - | - |
| | 5th | 6 | Newton Raphson method, Generalised Newton Raphson method | - | Teaching | 6 | yes | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - |
| Aug | 1st | 6 | Muller's method, Ramanujan's method | Everett's Formula. | Teaching | 5 | yes | - | Group Discussion | 1 | yes | - |
| | 2nd | 5 | Revision | - | Teaching | 4 | yes | - | Class room Seminar | 1 | yes | - |
| | | | | | | | | | | | | |

Signature of the Lecturer
 V. D. Ratna Kumari

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 V. D. Ratna Kumari

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SIR C.R. REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM PLAN- LECTURER WISE 2020-2021

| ANNUAL CURRICULAR | | | | | PLAN III (Year) | | | | | | | | |
|------------------------------------|------|-----------------|--|--|-----------------------|----------------|-------------------|-----------------------|--|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER : V. Madhurya | | | | | CLASS : Cluster-I, II | | Semester : VI | | Paper : Paper - VIII B-I Mathematics cluster B Advanced Numerical Analysis | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| May | 1st | 1 | Introduction classes | - | Teaching | 01 | Yes | - | - | - | - | - | - |
| May | 2nd | 6 | Introduction classes Unit-I:-curve fitting fit a st. line and 2nd deg parabola | - | Teaching | 06 | Yes | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | 3rd | 5 | 2nd degree parabola. and $y = ax^2 + bx + c$ power functions and exponential functions | - | Teaching | 05 | Yes | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | 4th | 6 | Exponential and sum of a geometric series Unit-II Numerical differentiation: derivatives using Newton forward interpolation | - | Teaching | 06 | Yes | - | - | - | - | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |
| | 5th | 6 | Newton Backward diff & derivatives using Central diff formula | - | Teaching | 06 | Yes | - | - | - | - | - | - |

V. Madhurya
Signature of the Lecturer

Signature of the HOD V.D. Ratnala

Signature of the Principal

SIR C.R. REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM PLAN- LECTURER WISE 2020-2021

| ANNUAL CURRICULAR | | | | | PLAN <u>III</u> (Year) | | | | | | | | |
|---|------|-----------------|--|--|----------------------------|----------------|-------------------|-----------------------|------------------------|---|-------------------|-----------------------|---|
| NAME OF THE LECTURER : <u>V. Madhurya</u> | | | | | CLASS : <u>BSc cluster</u> | | | Semester : <u>VI</u> | | Paper : <u>Mathematics - III B.T. Advanced Numerical Analysis</u> | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| | 8th | 1 | Stirling interpolation formula | - | Teaching | 01 | Yes | - | - | - | - | - | - |
| June | 1st | 5 | Newton divided diff. formula & maximum-minimum value of tabulated functions. | - | Teaching | 05 | Yes | - | - | - | - | - | - |
| | 2nd | 6 | Unit-3 Numerical integration :- General Quadrature formula on error, Trapezoidal rule, Simpson's 1/3rd rule. | - | Teaching | 06 | Yes | - | - | - | - | - | - |
| | 3rd | 6 | Simpson's 3/8th rule, Weddle's rule. | - | Teaching | 06 | Yes | - | - | - | - | - | - |
| | 4th | 6 | Euler MacLaurian formula for summation and quadrature and Euler Transformation | Boole's note, errors in general quadrature formula | Teaching showing ppt | 05 | Yes | - | Seminars | 01 | Yes | - | - |
| | | | | - | - | - | - | - | - | - | - | - | - |

V. Madhurya
Signature of the Lecturer

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Signature of the Principal

SIR C.R. REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM PLAN- LECTURER WISE 20-2021

| ANNUAL CURRICULAR | | | | | PLAN IV (Year) Mathematics - VIII B-4 | | | | | | | | |
|------------------------------------|------|-----------------|--|---|---------------------------------------|----------------|-------------------|-----------------------|-------------------------------------|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER : V. Madhurya | | | | | CLASS : III BSc cluster Semester : VI | | | | Paper : Advanced Numerical Analysis | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| June | 6th | 3 | unit-4 linear system of equations matrix inversion method | - | Teaching | 03 | Yes | - | - | - | - | - | - |
| | | | crammer's rule | - | - | - | - | - | - | - | - | - | - |
| July | 1st | 3 | Gauss-Elimination method, Gauss-Jordan | - | Teaching | 03 | Yes | - | - | - | - | - | - |
| | 2nd | 6 | Factorisation, Jacobi's, Gauss-seidal | - | Teaching | 06 | Yes | - | - | - | - | - | - |
| | 3rd | 6 | Gauss-seidal and sol ⁿ of tri-diagonal and iteration method | - | Teaching | 06 | Yes | - | - | - | - | - | - |
| | 4th | 5 | iteration method & unit-5: sol ⁿ of Taylor, Euler method | - | Teaching | 05 | Yes | - | - | - | - | - | - |
| | 5th | 6 | modified Euler method, R-K methods | - | Teaching | 06 | Yes | - | - | - | - | - | - |
| Aug | 1st | 6 | R-K method and Picard's method | ILL conditioned system/condition number of a matrix | Teaching | 06 | Yes | - | - | - | - | - | - |

V. madhurya
Signature of the Lecturer

Signature of the HOD M.D. Ratnala

Signature of the Principal

SIR C.R. REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM PLAN- LECTURER WISE 20-2021

| ANNUAL CURRICULAR | | | | | PLAN ^{III} (Year) ^{VA} | | | | | | | |
|---|------------|-----------------|-------------------|--|--|----------------|-------------------|-----------------------|-------------------------|--|-------------------|-----------------------|
| NAME OF THE LECTURER : <u>V. Madhurya</u> | | | | | CLASS : <u>III Bsc cluster</u> | | | Semester : <u>V</u> | | Paper : <u>Mathematics - Advanced Numerical Analysis</u> | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | <u>2nd</u> | <u>6</u> | <u>Mid Exams.</u> | <u>-</u> | <u>Teaching</u> | <u>03</u> | <u>Yes</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
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V. Madhurya
Signature of the Lecturer

Signature of the HOD Dr. Ratnala

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Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | PLAN III (Year) | | | | | | | |
|---|------|-----------------|---|--|----------------------------|----------------|-------------------|-----------------------|-------------------------|-------------------------------------|-------------------|-----------------------|
| NAME OF THE LECTURER : S.S.L. Sabari Kumari | | | | | CLASS : III B-Sc cluster-I | | | Semester : VI | | Paper : VIII B-2- Special Functions | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| May | 1st | 1 | Syllabus & Model Papers. | - | Teaching | 1 | Yes | - | - | - | - | - |
| | 2nd | 3 | Model papers. Unit-V: Beta & Gamma functions: Euler's | - | Teaching | 3 | Yes | - | - | - | - | - |
| | | | Integrals - Beta & Gamma functions, Elementary properties | - | - | - | - | - | - | - | - | - |
| | | | Properties of Gamma functions. | - | - | - | - | - | - | - | - | - |
| | 3rd | 2 | Transformation of Gamma function. | - | Teaching | 2 | Yes | - | - | - | - | - |
| | 4th | 3 | Problems on Gamma function. | - | Teaching | 3 | Yes | - | - | - | - | - |

Signature of the Lecturer S.S.L. Sabari Kumari

Signature of the HOD D. N. Kumar

Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | PLAN III (Year) | | | | | | | |
|--|------|-----------------|---|--|--|----------------|-------------------|-----------------------|-------------------------------------|----------------|-------------------|-----------------------|
| NAME OF THE LECTURER: S.S.L. Sabarukumar | | | | | CLASS: III B-Sc cluster-I Semester: VI | | | | Paper: VIII B-2 - Special Functions | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | 5th | 3 | Problems on Gamma function. | - | Teaching | 3 | Yes | - | | | | |
| | 6th | 1 | Another form of Beta function. | - | Teaching | 1 | Yes | - | | | | |
| June | 1st | 2 | Relation between Beta & Gamma functions and other | - | Teaching | 2 | Yes | - | | | | |
| | | | transformations. | - | - | - | - | - | | | | |
| | 2nd | 3 | other transformations & problems on Beta & Gamma functions. | Legendre duplication formula | Showing in PPT & Teaching | 3 | Yes | - | | | | |
| | | | | - | - | - | - | - | | | | |

Signature of the Lecturer: S.S.L. Sabarukumar

Signature of the HOD: W. White

Signature of the Principal: Selva

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | |
|---|------|-----------------|--|--|------------------------|----------------|-------------------|-----------------------|------------------------|--------------------------------|-------------------|-----------------------|---|
| NAMR OF THE LECTURER : S.S.L. Sabari kumari | | | | | CLASS : B.Sc cluster-2 | | | Semester : VI | | Paper : B-2- special functions | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| | 3rd | 3 | Unit-IV : Bessel's equation: Definition & Solution of Bessel's | - | Teaching | 2 | yes | - | | class room seminar | 1 | yes | - |
| | | | general differential equations. | - | - | - | - | - | | - | - | - | - |
| | 4th | 3 | General Solution of Bessel's equation Integration of | - | Teaching | 3 | yes | - | | - | - | - | - |
| | | | Bessel's equation in series for $n=0$ & Definition of $J_0(x)$. | - | - | - | - | - | | - | - | - | - |
| | 5th | 2 | Recurrence formulae for $J_n(x)$. | - | Teaching | 2 | yes | - | | - | - | - | - |
| July | 1st | 1 | Recurrence formulae for $J_n(x)$. | - | Teaching | 1 | yes | - | | - | - | - | - |

Signature of the Lecturer S.S.L. Sabari k

Signature of the HOD D. M. K. Lakshmi

Signature of the Principal

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | CO-CURRICULAR ACTIVITY | | | |
|---|------|-----------------|--|--|--|----------------|-------------------|-----------------------|--|----------------|-------------------|-----------------------|
| NAME OF THE LECTURER: S.S.L. Sabari Kumar | | | | | CLASS: III B.Sc cluster-I Semester: VI | | | | Paper: VIII B-2 Special Functions. Mathematics - cluster-I | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| | 2nd | 3 | Generating function on $f(z) = \sum a_n z^n$ | - | Teaching | 3 | yes | - | | | | |
| | 3rd | 3 | problems on Bessel's equation. | - | Teaching | 3 | yes | - | | | | |
| | 4th | 3 | problems on Bessel's equation. | - | Teaching | 3 | yes | - | | | | |
| | 5th | 3 | problems on Bessel's equation. | - | Teaching | 3 | yes | - | | | | |
| Augu-8t | 1st | 3 | problems on Bessel's equation | - | Teaching | 3 | yes | - | | | | |
| | 2nd | 3 | Mid Examination -n | - | Teaching | 3 | yes | - | | | | |

Signature of the Lecturer: S.S.L. Sabari Kumar

Signature of the HOD

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Signature of the Principal

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| ANNUAL CURRICULAR | | | | | PLAN III (Year) | | | | | | | | | | | |
|--------------------------------------|-----------------|-----------------|---|--|---------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|---|--|--|--|
| NAME OF THE LECTURER: B. Poojashwini | | | | | CLASS: III BSc | | | | Semester: VI semester | | | | Mathematics cluster (Special Functions) cluster - B2 Paper: : | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | | | | |
| May | 1 st | 1 | Syllabus, Model papers | - | Teaching | 01 | Yes | - | - | - | - | - | - | | | |
| | 2 nd | 3 | Unit-I Hermite Polynomial | - | Teaching | 03 | Yes | - | - | - | - | - | - | | | |
| | | | Introduction, Solution of Hermite polynomial | | | | | | | | | | | | | |
| | 3 rd | 2 | Derive Hermite polynomials, Generating Function of Hermite polynomial | - | Teaching | 02 | Yes | - | - | - | - | - | - | | | |
| | | | | | | | | | | | | | | | | |
| | 4 th | 3 | Other forms of Hermite polynomial, Rodrigues Formula | - | Teaching | 03 | Yes | - | - | - | - | - | - | | | |
| | 5 th | 3 | Four Hermite polynomials, orthogonal property of Hermite polynomial | - | Teaching | 03 | Yes | - | - | - | - | - | - | | | |
| | | | | | | | | | | | | | | | | |
| | 6 th | 1 | First Recurrence Formula for Hermite polynomial | - | Teaching | 01 | Yes | - | - | - | - | - | - | | | |

Signature of the Lecturer

B. Neelam

Signature of the HOD

Darshan

Signature of the Principal

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| ANNUAL CURRICULAR | | | | | PLAN III (Year) | | | | mathematics cluster special function - B2 | | | | |
|------------------------------------|------|-----------------|--|--|---------------------------------------|----------------|-------------------|-----------------------|--|----------------|-------------------|-----------------------|---|
| NAME OF THE LECTURER: B. Rajaswini | | | | | CLASS: II BSc cluster Semester: I sem | | | | Paper: special function - B2 | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| June | 1st | 3 | Recurrence formulas and example problems. | - | Teaching | 3 | Yes | - | - | - | - | - | - |
| | 2nd | 3 | problems solving | - | Teaching | 3 | Yes | - | - | - | - | - | - |
| | 3rd | 3 | Unit-II Laguerre's polynomial | - | Teaching | 2 | Yes | - | Seminar | 01 | Yes | - | - |
| | | | definition and solution of Laguerre's polynomial | | | | | | | | | | |
| | 4th | 3 | Generating function other forms of Laguerre's polynomial | - | Teaching | 3 | Yes | - | - | - | - | - | - |
| | 5th | 2 | Rodrigues Formula, few Laguerre polynomial | - | Teaching | 2 | Yes | - | - | - | - | - | - |

Signature of the Lecturer

B.raj

Signature of the HOD

Dr. Anuradha

Signature of the Principal

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| ANNUAL CURRICULAR | | | | | PLAN III (Year) | | | | | | | | | | | |
|------------------------------------|------|-----------------|--|--|-----------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|--|---|--|--|
| NAME OF THE LECTURER: B. Tejaswini | | | | | CLASS: IV BSc cluster | | | | Semester: V sem | | | | Paper: mathematics cluster-B: special function | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | | | | |
| | | | orthogonal property of laguerre polynomials | | | | | | | | | | | | | |
| July | 1st | 1 | Recurrence Formula for laguerre polynomial, Example problems | - | Teaching | 01 | Yes | - | - | - | - | - | - | - | | |
| | 2nd | 3 | Example problems Unit-III Legendre's Equation:- def and solution of Legendre's differential Equation | - | Teaching | 3 | Yes | - | - | - | - | - | - | - | | |
| | | | Legendre's first kind and second kind | | | | | | | | | | | | | |
| | 3rd | 3 | General solution of Legendre's diff eqn, generating | - | Teaching | 02 | Yes | - | Quiz | 01 | Yes | - | - | - | | |

Signature of the Lecturer
B. Tejaswini

Signature of the HOD
D. N. S. Kumar

Signature of the Principal
K. S. R. Reddy

ANNUAL CURRICULAR

PLAN III (Year)

Mathematics cluster B2
Paper: special function

NAME OF THE LECTURER

B. Neelavini

CLASS :

III BSc - cluster

Semester :

V sem

CO-CURRICULAR ACTIVITY

| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
|-------|------|-----------------|---|--|---------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|---|
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | |
| | | | function of legendre eqn, laplace definite | | | | | | | | | | |
| | | | integral of Pn(x) | | | | | | | | | | |
| July | 4th | 2 | laplace second integral for Pn(x), | - | Teaching | 02 | Yes | - | - | - | - | - | - |
| | | | orthogonal property, first recurrence formulae | | | | | | | | | | |
| | 5th | 3 | Recurrence formulae Rodrigues Formula, Example problems | - | Teaching | 03 | Yes | - | - | - | - | - | - |
| Aug | 1st | 3 | problems solving | - | Teaching | 03 | Yes | - | - | - | - | - | - |

Signature of the Lecturer

B. Neelavini

Signature of the HOD

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Signature of the Principal

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