

K.S.Rangasamy College of Arts& Science, (Autonomous),

Tiruchengode-637 215

Department of Mathematics-PG, Local / National / Regional / Global

First Semester

| Course Code | Course Name | NEED | | | | REMARKS |
|-------------|--|-------|----------|----------|--------|---|
| | | LOCAL | NATIONAL | REGIONAL | GLOBAL | |
| 18PMAM101 | Core I: Linear Algebra | | ✓ | | ✓ | To clear SET ,NET examination |
| 18PMAM102 | Core II: Real Analysis | | ✓ | | ✓ | To get more depth in basic concepts |
| 18PMAM103 | Core III: Mechanics | | ✓ | | | To know the advancement of the application of real life problems. |
| 18PMAM104 | Core IV: Ordinary Differential Equations | | | | ✓ | To Concentrate more on Application Oriented problems. |
| 18PMAM105 | Core V: Graph Theory | | ✓ | | ✓ | Recent development and its applications in research. |
| 18PMAMP101 | Core Practical I: Mathematical Text Editor Latex | ✓ | ✓ | | | Skill development for research project and applications were added. |

Second Semester

| Course Code | Course Name | NEED | | | | REMARKS |
|-------------|---|-------|----------|----------|--------|---|
| | | LOCAL | NATIONAL | REGIONAL | GLOBAL | |
| 18PMAM201 | Core VI: Algebra | | ✓ | | ✓ | To get more depth in basic topics |
| 18PMAM202 | Core VII: Topology | | ✓ | | ✓ | To clear SET / NET examination |
| 18PMAM204 | Core IX: Partial Differential Equations | | ✓ | | ✓ | To Concentrate more on Application Oriented problems. |
| 18PMAEL201 | Elective-I: Design Theory | | ✓ | | ✓ | Recent development and its applications in research. |
| 18PVE201 | Value Education: Human Rights | | ✓ | ✓ | | To know the basic rights in society. |

H. Rajalakshmi
HOD

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Namakkal-Dt. Tamil Nadu, INDIA

Third Semester

| Course Code | Course Name | NEED | | | | REMARKS |
|-------------|-----------------------------------|-------|----------|----------|--------|--|
| | | LOCAL | NATIONAL | REGIONAL | GLOBAL | |
| 18PMAM301 | Core X: Complex Analysis | | ✓ | | ✓ | For consecutive learning of abstracts. |
| 18PMAM302 | Core XI: Fluid Dynamics | | ✓ | | ✓ | To know the advancement of the application of fluid dynamics. |
| 18PMAM303 | Core XII: Optimization Techniques | | ✓ | ✓ | ✓ | Recent development and its applications in real life problems. |
| 18PCSMAI301 | IDC: Programming in C++ | ✓ | ✓ | | ✓ | To improve the software skill and to provide employability |

Fourth Semester


| Course Code | Course Name | NEED | | | | REMARKS |
|-------------|---|-------|----------|----------|--------|--|
| | | LOCAL | NATIONAL | REGIONAL | GLOBAL | |
| 18PMAM401 | Core XIII: Functional Analysis | | ✓ | | ✓ | To inculcate the reading of pure mathematics. |
| 18PMAM402 | Core XIV: Integral Equations and Calculus of Variations | | ✓ | | ✓ | To crack the problems of SET ,NET examination |
| 18PMAM404 | Core XVI: Fuzzy Sets and Fuzzy Logic | | | ✓ | ✓ | Consecutive Applications and for its research oriented topics. |
| 18PMAM405 | Core XVII: MATLAB | ✓ | | ✓ | ✓ | To provide Skill development and to provide employability. |
| 18PMAMP401 | Core Practical II: MATLAB | ✓ | | ✓ | ✓ | To provide Skill development and to provide employability. |

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