

SRI ADICHUNCHANAGIRI FIRST GRADE COLLEGE CHANNARAYAPATNA-573116



Department of Mathematics

Programme Outcomes(PO) for the academic year 2023-24

Name of the Degree Program: B.Sc. (NEP)

Discipline Course: Mathematics.

Programme Outcomes (PO) : By the end of the program the students will be able to:

PO 1 Disciplinary Knowledge : Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and Applied mathematics. This also leads to study the related areas such as Computer science and other allied subjects.

PO 2 Communication Skills : Ability to communicate various Mathematical concepts effectively using examples and their geometrical Visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling And solving of real life problems.

PO 3 Critical thinking and analytical reasoning : The students undergoing This programme acquire ability of critical thinking and logical reasoning And capability of recognizing and distinguishing the various aspects of real life Problems.

PO 4 Problem Solving : The Mathematical knowledge gained by the Students through this programme develop an ability to analyze the Problems, identify and define appropriate computing requirements for its Solutions. This programme enhances students overall development and also Equip them with mathematical modelling ability, problem solving skills.

PO 5 Research related skills : The completing this programme develop The capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

PO 6 Information/digital Literacy : The completion of this programme Will enable the learner to use appropriate softwares to solve system of Algebraic equation and differential equations.

PO 7 Self – directed learning : The student completing this program will Develop an ability of working independently and to make an in-depth study of Various notions of Mathematics.

PO 8 Moral and ethical awareness/reasoning : The student completing This program will develop an ability to identify unethical behavior such as fabrication, falsification or



misinterpretation of data and Adopting objectives, unbiased and truthful actions in all aspects of life in General and Mathematical studies in particular.

PO 9 Lifelong learning : This programme provides self directed learning And lifelong learning skills. This programme helps the learner to Think independently and develop algorithms and computational skills for Solving real word problems.

PO 10 Ability to peruse advanced studies and research in pure and Applied Mathematical sciences.

Nanya
H.O.D of Mathematics

Mejunathomk
Principal
Sri Adichunchanagiri First Grade College
Channarayapatna

SRI ADICHUNCHANAGIRI FIRST GRADE COLLEGE
CHANNARAYAPATNA-573116



Department of Mathematics

Course Learning Outcomes for the academic year 2023-24

Name of the Degree Program: B.Sc. (NEP)

Discipline Course: Mathematics.

Course Learning Outcomes: This course will enable the students to

- Learn to solve the system of linear equations.
- Learn to solve the homogenous function.
- Students will be familiar with the techniques of integration and differentiation of Function with real variables.
- Students learn to solve polynomial equation.
- Learn to apply Reduction formulae.
- Students learn to solve the theory of Equation.

Aarya

H.O.D of Mathematics

Mejwal M.K

Principal

Sri Adichunchanagiri First Grade College
Channarayapatna



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Discipline Course: Mathematics.

Course Learning Outcomes: This course will enable the students to

- Learn to solve the Theorems and Problems on Rings and Fields.
- Learn to solve the Polynomial and Euclidean Rings.
- Students will be familiar with the techniques of Basic Theory of Graphs.
- Students learn to solve the Eienstein's criterion.
- Learn to identify the linear dependence and linear Independence.

H.O.D of Mathematics

Principal
Sri Adichunchanagiri First Grade Col.
Channarayapatna