



**S.G.V.V.T's**  
**SHRI GAVISIDDESHWARA ARTS,**  
**SCIENCE & COMMERCE COLLEGE**  
**KOPPAL**

Affiliated to V.S.K.University, Ballary



**CERTIFICATE COURSE IN C PROGRAMMING**  
**FOR**  
**MATHEMATICAL COMPUTING**

**Submitted By**

**Manjunatha S. Gali**  
Assistant Professor and Head  
Department of Mathematics,  
S.G. College, Koppal

**Submitted to**

**The Principal**  
S.G.V.V.T's  
**Shri Gavisiddeshwara Arts, Science**  
**& Commerce College, Koppal**

**Department of Mathematics**  
**Shri Gavisiddeshwara Arts, Science**  
**& Commerce College, Koppal**

**Nov-2018-19**

## Course syllabus

# C PROGRAMMING FOR MATHEMATICAL COMPUTING

### CHAPTER-1 : Program Fundamentals

(15 Hrs)

1. Computer languages
2. Algorithm, Flow Charts and their uses
3. Compilation of Program
4. Basic structure of C Programs
5. Executing a C program

### CHAPTER-2 : Basic Arithmetic operations

(10 Hrs)

1. C-Program for Sum, Difference & Product of two numbers.
2. C-Program for a number even or odd.
3. C-Program for a number Prime or not.
4. C-Program for Arrange set of numbers in Ascending Order.
5. C-Program for Greatest of three numbers.

### CHAPTER-3 : Algebra

(5 Hrs)

1. C-Program for Sum of n terms in AP.
2. C-Program for GCD and LCM of two Numbers.
3. C-Program for Fibonacci Number.

### References:

- Computer concepts and C Programming, by P. B. Kotur.
- Programming in ANSI C, by E. Balagurusamy.
- C Programming, and Data Structure, by E. Balagurusamy.