

# **PROFESSIONAL PROGRAMMING**

COORDINATOR: SREELAKSHMI M

DURATION: 3 MONTHS

YEAR: 2016-2017

ELIGIBILITY: PLUS TWO

## **MODULE 1: (10 HOURS)**

**Role of computing, need for programming skills, role of computer science in contemporary physics and astronomy, computing environments.**

## **MODULE 2: (10 HOURS)**

**Concepts of programming and numerical methods, scientific computing, programming languages, coding.**

## **MODULE 3: (10 HOURS)**

**Packaged commercial, proprietary licensed programmes and tools, licensed proprietary programming environments, open source tools, programming languages, web resources.**