

PROGRAMMING LANGUAGES [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – V			
Subject Code	15IS554	IA Marks	20
Number of Lecture Hours/Week	3	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
CREDITS – 03			
Course objectives: This course will enable students to			
<ul style="list-style-type: none"> • Acquaint with discipline of programming • Familiarize with semantics of different constructs of languages • Introduce different programming paradigms • Illustrate use of different languages and their applications 			
Module – 1			Teaching Hours
Overview, Names, Types, Type systems			8 Hours
Module – 2			
Semantics, semantic interpretation			8 Hours
Module – 3			
Functions, function implementation, memory management			8 Hours
Module – 4			
Imperative programming, object oriented programming, functional programming			8 Hours
Module – 5			
Logic programming, event-driven programming, concurrent programming			8 Hours
Course outcomes: The students should be able to:			
<ul style="list-style-type: none"> • Select appropriate languages for given applications • Demonstrate usage and justification of different languages • Compare and contrast the strengths and weaknesses of different languages 			
Question paper pattern: The question paper will have TEN questions. There will be TWO questions from each module. Each question will have questions covering all the topics under a module. The students will have to answer FIVE full questions, selecting ONE full question from each module.			
Text Books:			
1. Programming languages by Allen B. Tucker and Robert E. Noonan			
Reference Books:			
NIL			