

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

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H.O.D.

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