

Guide to delivery of Unit 8: Introduction to Programming	
General introduction to unit	
Programming languages <ul style="list-style-type: none"> • Why there is a need • Levels of programming language • Languages for different purposes 	
Programming languages <ul style="list-style-type: none"> • Declarative and Imperative languages • Common features of programming languages 	
Program structure – language 1 <ul style="list-style-type: none"> • Program structure and development tools used, indentation and comments • Simple data manipulation involving input and output 	
Program structure – language 1 <ul style="list-style-type: none"> • Data types and simple data structures meaningful data names • Sequences of instructions 	
Program structure – language 1 <ul style="list-style-type: none"> • More data types and data structures • Selection with relational operators 	
Program structure – language 1 <ul style="list-style-type: none"> • Selection with relational operators • Arithmetic operators 	
Program structure – language 1 <ul style="list-style-type: none"> • Repetition • Logical operators 	
Program structure – language 1 <ul style="list-style-type: none"> • Subroutines • Program development 	
Program structure – language 2 <ul style="list-style-type: none"> • Program structure and development tools used, indentation and comments • Simple data manipulation involving input and output 	
Program structure – language 2 <ul style="list-style-type: none"> • Data types and simple data structures, meaningful data names • Sequences of instructions 	
Program structure – language 2 <ul style="list-style-type: none"> • More data types and data structures • Selection with relational operators 	
Program structure – language 2 <ul style="list-style-type: none"> • Selection with relational operators • Arithmetic operators 	

<p>Program structure – language 2</p> <ul style="list-style-type: none"> • Repetition • Logical operators
<p>Program structure – language 2</p> <ul style="list-style-type: none"> • Subroutines • Program development
<p>Development tools and methods of translation</p> <ul style="list-style-type: none"> • Source code, object code, machine code • Methods of translation • Tools and methods used for translation
<p>Development tools and methods of translation</p> <ul style="list-style-type: none"> • Error types and identification • Purpose of development tools • Use of development tools for different languages
<p>Preparation of coursework for assessment</p>