



FAKULTI TEKNOLOGI DAN KEJURUTERAAN

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| PROGRAM | Diploma in Information Technology (System Support) |
| COURSE NAME | INTERNET PROGRAMMING |
| COURSE CODE | DTS 4113 |
| CREDIT HOUR | 3 |
| SYNOPSIS | This course emphasize concept understanding of web development programming. The course consists are HTML, client-server programming, Java Script, Common Gateway Interface, Extensible Markup Language and Cascading Style Sheet |
| COURSE STRUCTURE | |
| CHAPTER | TOPICS |
| 1 | Topic 1: Introduction 1.1 History of the Internet 1.2 Internet Operating Model 1.3 Use of the Internet 1.4 Advantages and disadvantages of the Internet 1.5 Model architecture client/ user 1.6 Basic Internet Programming Web Server and Database Server, Network Protocol: TCP/IP, HTTP, SMTP, POP, FTP 1.7 Methodology development WWW 1.8 Security Data (Firewalls, cryptographic techniques, digital signatures) |
| 2 | Topic 2: Hypertext Markup Language 2.1 Basic HTML Tag 2.2 Relationships 2.3 Construction Schedule and Form 2.4 Building the Frame 2.5 Building Form 2.6 Build a list and images 2.7 Action and Method-GET and POST |



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| 3 | Topic 3: Cascading Style Sheets (CSS) 3.1 Introduction to CSS 3.2 CSS Syntax 3.3 Inline, Internal and External Style Sheet 3.4 Position the element, background, dimension al elements, the box model. 3.5 The combination of CSS in HTML |
| 4 | Topic 4: Client Programming (JavaScript) 4.1 Introduction to JavaScript 4.2 The combination of Java Script in HTML Variable 4.3 Statements and operators 4.4 Control Structure and Function 4.5 Basic Objects 4.6 Object Form |
| 5 | Topic 5: Basic writing PHP programming 5.1 Write a PHP program 5.2 PHP Syntax 5.3 String and numbers 5.4 Functions and operators 5.5 Built for m controls |
| 6 | Topic 6: PHP with database connection 6.1 The connection to the server MySQL 6.2 Selection of databases 6.3 Identify database errors 6.4 Closing the connection of MySQL server 6.5 Manipulate data in MySQL using PHP 6.6 User Authentication |
| References: | 1. Ikram Hawramani, HTML & CSS for Comlete Beginners. Steward Publishing, 2018. 2. P.J.Deitel, H.M.Deital,Internet & World Wide Web How To Program. Pearson International Edition 2016. 3. Mohd Shahizan, Lizawati.2006. PHP. UTM |