|   | DRA ENGINEE  | IUNG COLLEGE (A   | utonor   | nous)-                                    | Syllabu  | T I   | R 2015   |  |
|---|--|---|--|---|--|---|--|--|
| DIPARTMENT  | INFORMAT<br>TECHNOLO   | ION   | Programme<br>Code & Name   |   |  |   | II,  |  |
|   | 120111020  | SEMESTER-   | īv   |   |  |   | - CANA   |  |
| COURSE  | col  | URSENAME  | THE PERSON NAMED IN  | HODS                                      | WEEK   | CREDIT  | MAXIMUM<br>MARKS   |  |
| 151T14403   | ENICI  | TWARE   | 1 L 3  | 0   | <b>P</b> 0   | 3   | 100  |  |
| Objectives  | process. To under level. To be av  | nowledge of fundamer<br>sand different notion<br>ware of some widely  | of con   | nplexi<br>desig                           | ty at bo   | h the modu<br>ds, quality   | assurance an   |  |
| UNIT-I  | INTRODUCTI   | ON cycle models - Wat   |  |   | 4 1 1  | 7 1 T   |  |  |
| - Prototyping - C<br>Validation - Lit<br>Introduction to C  | Object Oriented<br>fe Cycle Proces<br>CMM - Levels of  | system Engineering s - Development pr CMM.  | - Com  | - Sys                                     |  | ANDICITI  |  |  |
| UNIT-II   | SOFTWARE E   | NGINEERING PRO-<br>User - System - Rec  | OCES   | S   |  |   |  |  |
| UNIT-III  | DESIGN PRO   |   |  |   |  |   | Dictionary. 9 Document -   |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida  | - Modular de sign - Software oping - User Inter LEVELS OF re Testing Fund Box Testing - Cing Strategies - ation Testing - S  | sign - Design heur<br>architecture - Data of<br>face Design - User in<br>TESTING<br>amentals - Types of<br>Control Structure Tes  | istic<br>lesign<br>nterfact<br>s/w t   | - Des<br>- Arc<br>e - De<br>est -<br>Regr | hitecture<br>esign pri<br>White the<br>ession T  | del and I e data - Tra nciples.  ox testing- esting - Te  | Document - ansform and 9 - Basis Path esting in the - Integration  |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E  | - Modular de sign - Software ping - User Inter   LEVELS OF re Testing Fund Box Testing - Cing Strategies - Sox Testing - Sox Testing   | sign - Design heur<br>prchitecture - Data of<br>face Design - User in<br>TESTING<br>amentals - Types of<br>Control Structure Tes<br>Strategic Approach<br>system Testing and  | istic<br>lesign<br>nterfact<br>s/w t   | - Des<br>- Arc<br>e - De<br>est -<br>Regr | hitecture<br>esign pri<br>White the<br>ession T  | del and I e data - Tra nciples.  ox testing- esting - Te  | Document - ansform and 9 - Basis Path esting in the - Integration  |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E UNIT-V   | - Modular de sign - Software ping - User Inter LEVELS OF TESTING FUND BOX Testing - Constitution Testing - Constit | sign - Design heur<br>prchitecture - Data of<br>face Design - User in<br>TESTING<br>amentals - Types of<br>Control Structure Tes<br>Strategic Approach<br>system Testing and  | istic<br>lesign<br>nterfact<br>s/w t<br>sting -<br>and l<br>Debug  | est -<br>Regrissues<br>ging.              | white the ession Harmon Manager Manage | del and I e data - Tra nciples.  ox testing - esting - Te Testing - tudies - W  Planning a agement - S                      | Pocument - ansform and  9 - Basis Path esting in the Integration riting Black  9 nd Control QA Trustees  |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E UNIT-V Process and prod Software Metrics   | - Modular de sign - Software ping - User Inter LEVELS OF TESTING FUND BOX Testing - Constitution Testing - Constit | sign - Design heur<br>preditecture - Data of<br>face Design - User in<br>FESTING<br>amentals - Types of<br>Control Structure Tes<br>Strategic Approach<br>system Testing and  | istic<br>lesign<br>nterfact<br>s/w t<br>sting -<br>and l<br>Debug  | est -<br>Regrissues<br>ging.              | white the ession Harmon Manager Manage | del and I e data - Tra nciples.  ox testing- esting - Te T Testing - tudies - W   | Pocument - ansform and  9 - Basis Path esting in the - Integration riting Black  9 nd Control  |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E UNIT-V Process and prod Software Metrics and Committees.  I Roger S. P   | - Modular de sign - Software oping - User Inter   LEVELS OF   The Testing Fund Box Testing - Coing Strategies - Sox Testing   Testing OUALITY ASS   The Sox Testing   Country ASS   The Sox Te | sign - Design heur<br>architecture - Data of<br>face Design - User in<br>TESTING<br>amentals - Types of<br>Control Structure Tes<br>Strategic Approach<br>system Testing and<br>SURANCE<br>allity assurance and Sovement - Software                                       | istic design nterface s/w to sting - and l Debug   | est - Regrissues                          | white the ession of the ession | del and I e data - Tra nciples.  ox testing - esting - Te T Testing - tudies - W  Planning a gement- S  PERIODS             | Pocument - ansform and  9 Basis Path esting in the Integration riting Black  9 nd Control QA Trustees  |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E UNIT-V Process and prod Software Metrics and Committees.  I Roger S. P McGraw-H  | - Modular de sign - Software oping - User Interpreted by LEVELS OF The Testing Fund Box Testing - Cong Strategies - Sox Testing QUALITY ASSEMENT OF THE Process Improvement of the International opinion of the Software of the International opinion of the Software of the S | sign - Design heur<br>preditecture - Data of<br>face Design - User in<br>TESTING<br>amentals - Types of<br>Control Structure Tes<br>Strategic Approach<br>system Testing and<br>SURANCE<br>ality assurance and sovement - Software  | istic lesign nterface s/w to sting and I Debug   | est - Regressues ging.                    | white the ession of a UNIT Case S  Quality on Manuary A  | del and I e data - Tra nciples.  ox testing- esting - Te T Testing - tudies - W  Planning a agement- S  PERIODS  pproach",  | Pocument - ansform and  9 - Basis Path esting in the - Integration riting Black  9 nd Control QA Trustees  45  Sixth Editic                      |  |
| Design process Architectural Design Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E UNIT-V Process and prod Software Metrics and Committees.  I Roger S. P McGraw-H EFFERENCE BO   | - Modular de sign - Software oping - User Inter   LEVELS OF re Testing Fund Box Testing - Ging Strategies - ation Testing - Gox Testing   QUALITY ASSIDICT quality - Quality - Quality - Process Improves - | sign - Design heur<br>architecture - Data of<br>face Design - User in<br>TESTING<br>amentals - Types of<br>Control Structure Tes<br>Strategic Approach<br>system Testing and<br>SURANCE<br>allity assurance and Sovement - Software                                       | istic design nterface skw to sting - and I Debug   | est - Regrissues ging.                    | white the ession of the ession | del and I e data - Tra nciples.  fox testing - esting - Te Testing - tudies - W  Planning a agement - S  PERIODS  pproach", | Document - ansform and  9 - Basis Path esting in the - Integration riting Black  9 nd Control QA Trustees  45  Sixth Edition                     |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E UNIT-V Process and prod Software Metrics and Committees.  I Roger S. P McGraw-H REFERENCE BOX Watts S. Humpha James F. Peters india, 2007. Stephen R. Scha | - Modular de sign - Software oping - User Inter LEVELS OF The Testing Fund Box Testing - Constant on Testing - Sox Testing OUALITY ASSEMENT OF THE Process Improved the Process Improved the International OKS:  Testing OUALITY ASSEMENT OF THE Process Improved the | sign - Design heur architecture - Data of face Design - User in Face Design - User in FESTING amentals - Types of Control Structure Test Strategic Approach system Testing and SURANCE Testing and Sovement - Software Engineering - Edition, 2005.                       | istic design nterface skw to sting - and I Debug Standa Configure A Proportion of the correspondence of the co | est - Regrissues ging.                    | white the esign pri White the ession 9 - UNIT Case S Quality on Mana TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL   | del and I e data - Tranciples.  ox testing - Testing - Testing - tudies - W  Planning angement - S  PERIODS  pproach",      | Document - ansform and  9 - Basis Path esting in the - Integration riting Black  9 nd Control QA Trustees  45  Sixth Edition  007. roach*, Wile  |  |
| Design process Architectural De Transaction Map UNIT-IV Levels - Softwa Testing - Black large- S/W Test Testing - Valida Box and White E UNIT-V Process and prod Software Metrics and Committees.  I Roger S. P McGraw-H EFFERENCE BO Watts S. Humpha James F Peters dia, 2007. Stephen R Scha      | - Modular de sign - Software oping - User Interpreted by Testing Fund Box Testing - Ging Strategies - Atom Testing - Gox Testing QUALITY ASSERVED BOX Testing QUALITY ASSERVED BOX Testing GOX Testing | sign - Design heur<br>race Design - User in<br>Face Design - User in<br>FESTING<br>amentals - Types of<br>Control Structure Tes<br>Strategic Approach<br>system Testing and<br>SURANCE<br>ality assurance and Sovement - Software<br>ware Engineering -<br>Edition, 2005. | istic design nterface sky to sting - and I Debug Standa Configure and I De | est - Regrissues ging.                    | white the ession of the ession | del and I e data - Tranciples.  ox testing - Testing - Testing - tudies - W  Planning angement - S  PERIODS  pproach",      | Document - ansform and  9 - Basis Path esting in the - Integration riting Black  9 nd Control -QA Trustees  45  Sixth Edition  007. roach*, Wile |  |