

SUBJECT CODE	Category	SUBJECT NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		Th	T	P	CREDITS
			END SEM	MST	Q/A	END SEM	Q/A				
DTMA 201	BS	APPLIED MATHEMATICS II	60	20	20	0	0	3	1	0	4

Course Objective

To introduce the students with the Fundamentals of the Advanced Engineering Mathematics.

Course Outcomes

After the successful completion of this course students will be able to

- 1. apply the techniques of finding limit, continuity and differentiability of any function with conclusions.*
- 2. understand the applications of the matrices and the determinants.*
- 3. know the fundamentals of the partial derivatives and the 3D geometry.*
- 4. study the properties of the integral calculus used in the field of the engineering.*
- 5. understand the concepts and the solution of the differential equations.*

Course Content:

Unit 1

Function, Limit, Continuity & Differentiability: Function, Definitions of variables, constants, open & closed intervals. Definition & types of functions – Simple Examples, Limits, Concept & definition of Limit. Standard limits of algebraic, trigonometric, exponential and logarithmic functions. Evaluation of limits. Continuity, Definition and simple problems of continuity. **Derivative:** Definition of Derivatives, notations. Derivative of standard functions. Rules for differentiation in case of sum, difference, product and quotient of functions. Derivative of composite functions (Chain rule). Derivatives of inverse trigonometric functions. Derivatives of implicit functions. Logarithmic derivatives. Derivatives of parametric functions. Derivative of one function with respect to another function, Second order derivatives. Applications of Derivatives. Geometric meaning of derivative. Rate measurement, Maxima & Minima (one variable)



Chairperson
Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Unit 2

Matrices & Determinants: Define matrix and its representation state its order. State types of matrices with examples. Perform Addition, subtraction and multiplication of a matrix with a scalar and multiplication of two matrices (upto third order only). Transpose, Adjoint and Inverse of a matrix upto third order. Solution of simultaneous equations by matrix method (linear equations in two and three unknowns). Problems on above.

Determinants: Define determinant (second and third order). Minor, CO-factor, Study properties of determinants. Cramer's Rule: (solutions of simultaneous equations of two and three unknown).

Unit 3

Partial Differentiation & Analytical Geometry In Three Dimensions: Functions of several variables. Partial derivatives up to three independent variables, Maxima & Minima, Euler's Theorem on homogenous function for two variables.

Analytical Geometry In Three Dimensions: Co-ordinates of a point in rectangular co-ordinate system, Distance formula, Division formula, Dcs & Drs of a line, the formula for angle between two lines with given Drs, conditions of perpendicularity and parallelism. State equation of a plane, Find equation of a plane in different forms (i) General form $Ax+By+Cz+D=0$, where A,B,C are Drs of the normal to the plane, (ii) Intercept form $(X/a+Y/b+Z/c=1)$, (iii) Normal form, Angle between two planes, Perpendicular distance from a point to a plane

Unit 4

Integral Calculus: Integration as inverse process of differentiation. Indefinite and Definite Integral, Integrals of standard functions, Methods of Integration (i) Integration by Decomposition of Integrand, (ii) Integration by Substitution, (iii) Integration by parts, Methods of Integration by partial fraction. Definite Integrals, Properties of Definite Integrals. Area bounded by the curve $y=f(x)$, $x=a$, $x= b$ and x -axis and the area bounded by the curve $x=f(y)$, $y=c$, $y= d$ and y - axis.

Unit 5

Differential Equation: Differential equation, Order and degree of a differential equation, Formation of first order first degree differential equation. Solution of first order and first degree differential equation by the following methods (i) separation of variables (ii) Linear (iii) Exact.



Chairperson

Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Text Books:

1. A. Sarkar, Mathematics (First Semester), Naba Prakashani
2. G.P. Samanta, A Text Book of Diploma Engineering Mathematics, Volume-1, Learning Press
3. Dr. S. Bose & S. Saha, A Complete Text Book of Mathematics, Lakshmi Prakashan

Reference Books:

1. H.S. Hall & S.R. Knight, Higher Algebra Book Palace, New Delhi
2. S.L. Loney, Trigonometry S. Chand & Co.
3. H.K. Dass Engineering Mathematics S. Chand & Co.
4. T.M. Apostol Calculus, Volume-1, John Wiley & Sons
5. B.K. Pal, K.Das, Engineering Mathematics, Volume-1, U.N. Dhar & Sons
6. B.C. Das & B.N. Mukherjee, Differential Calculus U.N. Dhar & Sons
7. Kar, Engineering Mathematics, Tata McGraw- Hill
8. Singh, Engineering Mathematics Tata McGraw- Hill


Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Diploma in Textile Engineering

SEMESTER - II

COURSE CODE	CATEGORY	COURSE NAME	L	T	P	CREDITS	TEACHING & EVALUATION SCHEME				
							THEORY			PRACTICAL	
							END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*
DTEE 202		BASIC ELECTRONICS ENGINEERING	2	1	2	4	60	20	20	30	20

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;
*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Objectives:

The course objective is to make students of all the branches of Engineering to understand the efficacy of Electronic principles which are pervasive in engineering applications.

Course Outcomes:

After studying this course, students will be able to:

1. Appreciate the significance of electronics in different applications.
2. Understand the applications of diode in rectifiers, filter circuits and wave shaping.
3. Apply the concept of diode in rectifiers, filters circuits.
4. Design simple circuits like amplifiers (inverting and non inverting), comparators, adders, integrator and differentiator using OPAMPS.
5. Compile the different building blocks in digital electronics using logic gates and implement simple logic function using basic universal gates,

Syllabus:

UNIT I

Semiconductor Diodes and Applications: p-n junction diode, Characteristics and Parameters, Diode approximations, DC load line analysis, Half-wave rectifier, Two-diode Full-wave rectifier, Bridge rectifier, Capacitor filter circuit (only qualitative approach), Zener diode voltage regulators: Regulator circuit with no load, Loaded Regulator. Numerical examples as applicable.

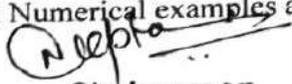
UNIT II

Bipolar Junction Transistors: BJT operation, BJT Voltages and Currents, BJT amplification, Common Base, Common Emitter and Common Collector Characteristics, Numerical examples as applicable.

BJT Biasing : DC Load line and Bias Point, Base Bias, Voltage divider Bias, Numerical examples as applicable.

UNIT III

Introduction to Operational Amplifiers: Ideal OPAMP, Inverting and Non Inverting OPAMP circuits, OPAMP applications: voltage follower, addition, subtraction, integration, differentiation; Numerical examples as applicable.



Chairperson
Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Registrar

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Diploma in Textile Engineering

SEMESTER - II

UNIT IV

Digital Electronics: Introduction, Switching and Logic Levels, Digital Waveform. Number Systems: Decimal Number System, Binary Number System, Converting Decimal to Binary, Hexadecimal, Number System: Converting Binary to Hexadecimal, Hexadecimal to Binary, Converting Hexadecimal to Decimal, Converting Decimal to Hexadecimal, Octal Numbers: Binary to Octal Conversion. Complement of Binary Numbers. Boolean Algebra Theorems, De Morgan's theorem. Digital Circuits: Logic gates, NOT Gate, AND Gate, OR Gate, XOR Gate, NAND Gate, NOR Gate, X-NOR Gate. Algebraic Simplification, NAND and NOR Implementation: NAND Implementation, NOR Implementation. Half adder, Full adder.

UNIT V

Flip-Flops: Introduction to Flip-Flops, NAND Gate Latch/ NOR Gate Latch, RS Flip-Flop, Gated Flip-Flops: Clocked RS Flip-Flop.

Text Books:

1. David A. Bell, "Electronic Devices and Circuits", Oxford University Press, 5th Edition, 2008.
2. D.P. Kothari, I. J. Nagrath, "Basic Electronics", McGraw Hill Education (India) Private Limited, 2014.

Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



ShriVaishnavVidyapeethVishwavidyalaya

Diploma (Electrical Engineering)

SEMESTER I

COURSE CODE	CATEGORY	COURSE NAME	L	T	P	CREDITS	TEACHING & EVALUATION SCHEME				
							THEORY		PRACTICAL		
							END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*
DTEE 101		BASIC ELECTRICAL ENGINEERING	2	1	2	4	60	20	20	30	20

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit;
*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Objectives:

To introduce the students with the

1. Component and type of components.
2. Material used for the type of component.
3. Construction and the working principle of the component.

Course Outcomes:

After the successful completion of this course students will be able to

1. Identify various types of components.
2. Use multi meter for measuring various quantities like voltage (dc & ac), current, and resistance.
3. Assemble and test components on breadboard.
4. Solder one simple circuit on a general purpose PCB.

Syllabus:

UNIT I

RESISTORS: Basic concepts. Ohm's Law. Fixed and Variable type.

Fixed: Carbon composition, carbon film, metal film, Ceramic & Vitreous Enamel wire-wound types.

Variable: Rheostat, Carbon track and wire-wound potentiometers (Linear & Non-Linear), Preset resistors. Their construction, power rating, tolerance (accuracy) temperature coefficient, and typical applications.

E6, E12 & E24 series of resistors. Color Code of Standard Resistors.

UNIT II

CAPACITORS: Fixed and Variable type.

Fixed: Ceramic, Mica, and Polyester and Electrolytic

Variable: Air Gang and Trimmer. Their construction, voltage rating & typical applications. Colour Coding of capacitors.

Chairperson
Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Registrar

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya

Diploma (Electrical Engineering)

SEMESTER I

UNIT III

INDUCTORS: Construction & application of air core, iron core, ferrite core, inductor coils (winding) used in Motors, Generators, Transformers, Tube-light chokes, D.C. power supply Filter chokes, loudspeakers and ignition system of vehicles.

UNIT IV

CABLES/WIRES: Types: flexible, hook-up, coaxial and fiber optic. Multi-core Power and Control cables. Their construction and applications.

UNIT V

SWITCHES: Types: Slide, Toggle, Push to ON, Push to OFF, Rocker, Rotary & Reed switches. Their construction & applications.

RELAYS: Construction, rating & working principle of general purpose relay, Reed relay.

Text Books:

1. Electronic Circuits Handbook, 3rd Edition by Michael H Tooley. (BPB Publications).

Reference Books:

1. Basic Electronics and Linear Circuits, 4th Edition by N Bhargava, D C Kulshreshtha & S C Gupta. (Tata McGraw – Hill Publishing Company Limited)
2. Electronic Components & Materials, 2nd Edition by S M Dhir, (Tata McGraw - Hill Publishing Company Limited).
3. Electronic Components and Materials, 2nd Edition by Grover & Jamwal (Dhanpat Rai & Sons).

List of Practicals:

1. To identify the value, tolerance of resistors and capacitors by colour code.
2. To measure the value of resistor/s using multimeter.
3. To test rheostat, linear potentiometer, logarithmic potentiometer, preset variable resistors.
4. Testing of LDR on multimeter.
5. Testing of Germanium, Silicon PN diodes on multimeter.
6. Use of breadboard & testing of different colour LED's, 7 segments LED Display on breadboard.
7. Testing of switches by measuring their contact resistance on multimeter.
8. Wiring and soldering of one circuit on a general purpose PCB.
9. Wiring and testing of AC 230V, 50 Hz extension supply board.
10. Observe motors, generators, transformers and identify the Inductor coils (windings) used therein.

**Chairperson
Board of Studies**

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Registrar

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



OBJECT CODE	Category	SUBJECT NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		Th	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
DTCH 101	Diploma	Engineering Chemistry	60	20	20	30	20	2	1	2	4

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit; Q/A - Quiz/Assignment/Attendance, MST Mid Sem Test.

*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in class, given that no component shall exceed more than 10 marks.

Syllabus

Unit-I Water: Characteristics and Treatment

Sources, Impurities, Hardness & its units, Industrial water characteristics, softening of water by various methods (External & Internal treatment), Boiler trouble - causes, effects & remedies, Characteristics of municipal water & its treatment.

Unit-II Lubricants

Introduction, Mechanism of lubrication, Classification of lubricants, Properties and Testing of lubricating oils.

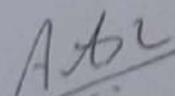
Unit-III Fuels

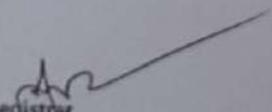
Introduction, Definition and classification of fuels, Characteristics of a good fuel, Calorific value, Determination of calorific value by Bomb calorimeter, Proximate and Ultimate analysis of coal and their significance, Carbonization, Cracking of higher Hydrocarbons and its advantages, Knocking, Cetane number, Octane Number.

Unit-IV Electrochemistry and Corrosion

Arrhenius theory of electrolytic dissociation, Transport number, Kohlrausch's law, Electrochemical cells.

Introduction and economic aspects of corrosion, Dry or Chemical Corrosion, Wet or Electrochemical Corrosion, Prevention methods of corrosion.


Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya

Name of the Program: Diploma Engineering

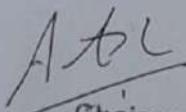
Revised Syllabus 2020

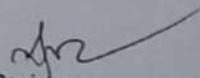
Unit-V Engineering Materials

Engineering materials and their classification: refractory's, cement, polymers. Properties and applications.

References

1. Engineering Chemistry- Jain & Jain.
2. Engineering Chemistry – Sashi Chawla.
3. Applied Chemistry – Theory and Practice, O.P. Viramani, A.K. Narula, New Age Pub.
4. Basic Lubrication theory – Alistair Cameron
5. Engineering chemistry- Dr. Jyoti Mitna
6. Engineering chemistry- Dr. Sunita Ratan
7. Applied Chemistry – S.M. Khopkar
8. Introduction of polymer science- G.S. Mishra


Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Name of Program: Diploma in Textile Engineering: 2020-21

SUBJECT CODE	CATEGORY	SUBJECT NAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL			L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
DTTX101	DCS	Introduction to Textile Fibres	60	20	20	0	0	3	0	0	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives (CEOs):

1. To provide the basic knowledge about the textile fibre forming properties.
2. To provide Information about the manufacturing process textile natural fibre and the man made fibre.
3. To impart the knowledge of various properties of Textile fibre with brief idea about their structure.

Course Outcomes (COs)

Students will be able to

1. Explain the manufacturing process of some of the important textile fibre
2. Identify the various textile fibre.
3. Demonstrate their knowledge on textile fibre and their properties.

Syllabus:

Unit I: Classification and terminology.

Definition of terms: Textiles, Fibre, Yarn, Fabric, staple length, filament, fineness etc. Fibre forming properties, Classification of textile fibres with examples. Essential and desirable properties of textile fibres like linear density, tenacity, extension, moisture regain and content etc.

Unit II: Natural fibres

Introduction to natural fibres: cotton fibre, bast fibre like jute, hemp, Ramie etc. Their cultivation and structure, physical and chemical properties. Wool, silk fibre and their production and basic properties.

Chairperson

Board of Studies

Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Registrar

Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Unit III: Man made fibre

Introduction to man made fibres, classifications, advantage and disadvantage of man made fibre, manufacturing process of some of the important fibre like viscose, cuprammonium and acetate rayon, polyester, nylon 6 and 66, acrylic fibre. The manufacturing process of fibre through melt, dry and wet spinning system.

Unit IV: Properties and application

The physical and chemical properties of Viscose and other regenerated fibre. The properties of Polyester, Nylon, Acrylic fibres. Electrical and thermal properties, Hydrophilic and hydrophobic properties.

Unit V: New generation fibre

Introduction to new generation of textile fibre like spectra, Spandex, kevler, Nomex, Lyocell, Carbon, glass, Asbestos, PLA etc.

References:

1. Fibre Science By VA Shennai
2. Synthetic Fibre By A AVaidya
3. A Text Book Of Fibre Science And Technology By S. P. Mishra
4. Advances In Fibre Science By S K Mukhopadhyay
5. Man Made Fibre By Moncrieff
6. Introduction To Textile Fibre by H V S Murthy
7. Physical Properties of Fibre by Morton and JWS Hearle
8. Manufactured Fibre Technology by Gupta and V K Kothari.

Chairperson

Board of Studies

Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Registrar

Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Diploma in Textile Engineering

SEMESTER - II

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM UNIVERSITY EXAM	TWO TERM EXAM	TEACHER ASSESSMENT*	END SEM UNIVERSITY EXAM	TEACHER ASSESSMENT*				
DTCS201	ICS	COMPUTER APPLICATION-II	0	0	0	30	20	0	0	2	1

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit;

***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 20 marks.

Course Educational Objectives (CEOs):

Course Outcomes (COs):

Syllabus

UNIT - I

Object-Oriented Programming Concepts: introduction, comparison between procedural programming paradigm and object-oriented programming paradigm; basic concepts of object-oriented programming-concepts of an object and a class; interface and implementation of a class; operations on objects; relationship among objects; abstraction; encapsulation; data hiding; inheritance; overloading; polymorphism; messaging.

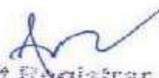
UNIT - II

Standard Input/Output: Concept of streams; hierarchy of console stream classes; input/output using overloaded operators >> and << and member functions of i/o stream classes, formatting output; formatting using iOS class functions and flags; formatting using manipulators.

UNIT - III

Classes and Objects: Specifying a class; creating class objects; accessing class members; access specifiers, and static members; use of const keyword; friends of a class, empty classes, nested classes, local classes, abstract classes, container classes, bit fields and classes.


Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Joint Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Diploma in Textile Engineering

SEMESTER - II

UNIT - IV

Pointers and Dynamic Memory Management: declaring and initializing pointers; accessing data through pointers; pointer arithmetic, memory allocation (static and dynamic); dynamic memory management using new and delete operators, pointer to an Object, this pointer; pointer related problems - dangling/wild pointers; null pointer assignment, memory leak and allocation failures.

UNIT - V

Constructors and Destructors: need for constructors and destructors; copy constructor, dynamic constructors, explicit constructors, destructors, constructors and destructors with static members; overloading operators; rules for overloading operators; overloading of various Operators; type conversion - basic type to class type, class type to basic type, class type to another class type.

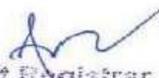
Reference Books:

1. *Fundamentals of Computers: E Balagurusamy, TMH*
2. *Basic Computer Engineering: Silakari and Shukla, Wiley India*
3. *Fundamentals of Computers: V Rajaraman, PHI*
4. *Information Technology Principles and Application: Ajoy Kumar Ray & Tinku Acharya PHI.*

List of Practical's:

1. To demonstrate use of data types, simple operators (expressions)
2. To demonstrate decision making statements (switch case) decision making statements (if and if-else, nested structures).
3. To demonstrate use of simple loops and nested loops
4. To demonstrate menu driven programs and use of standard library functions. Exercise
5. To demonstrate writing C programs in modular way (use of user defined functions)
6. To demonstrate recursive functions
7. To demonstrate use of 1D array and multidimensional array (2-d arrays) and functions
8. To demonstrate use of pointers and concept of strings (strings and pointers)
9. [Classes and Objects] Write a program that uses a class where the member functions are defined inside a class.
10. [Classes and Objects] Write a program to demonstrate the use of static data members.


Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Joint Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Diploma in Textile Engineering

SEMESTER - II

11. [Constructors and Destructors] Write a program to demonstrate the use of zero argument and parameterized constructors.
12. [Constructors and Destructors] Write a program to demonstrate the use of dynamic constructor.
13. [Constructors and Destructors] Write a program to demonstrate the use of explicit constructor.
14. [Operator Overloading] Write a program to demonstrate the overloading of increment and decrement operators.
15. [Operator Overloading] Write a program to demonstrate the overloading of binary arithmetic operators.
16. [Typecasting] Write a program to demonstrate the typecasting of basic type to class type.
17. [Typecasting] Write a program to demonstrate the typecasting of class type to basic type.
18. [Inheritance] Write a program to demonstrate the multilevel inheritance.
19. [Inheritance] Write a program to demonstrate the multiple inheritances.
20. [Inheritance] Write a program to demonstrate the virtual derivation of a class.

Chairperson
Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Joint Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Diploma in Textile Engineering

SEMESTER - II

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM UNIVERSITY EXAM	TWO TERM EXAM	TEACHER ASSESSMENT*	END SEM UNIVERSITY EXAM	TEACHER ASSESSMENT*				
DTHU101	ICS	COMMUNICATION SKILLS	0	0	0	30	20	0	0	4	2

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit;

***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 20 marks.

Course Educational Objectives (CEOs):

A diploma holder is supposed to (A) write official, business and personal letters. (B) Technical report writing forms another activity of diploma holders. (C) Keeping in view, the above and continuing education needs of diploma holders, communication skill has been considered as essential human science subject. (D) The emphasis of teaching should be to develop necessary competencies (knowledge and skill) in written and oral communication in English.

Course Outcomes (COs):

Syllabus

UNIT-I

Prose (Text book) writing in English:

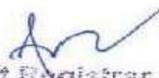
1. Introduction to communication skills in English language.
2. Concept, principle and procedure for prose selection.
3. Study and practice in English prose as recommended in the prescribed book (5-lessons)

UNIT-II

Correspondence in English: Official, Business & Personal Letters:

1. Introduction and understanding of writing letters in English.
2. Concept, principle and procedure in writing official letters.
3. Concept, principle and procedure in writing business letters.


Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Joint Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Diploma in Textile Engineering

SEMESTER - II

4. Concept, principle and procedure in writing personal letters.
5. Classification of text of letters as Title, Body and closing procedure.

UNIT – III

English Grammar: Basic Language Skills: Grammar and usage- Types of sentences, Phrases and Clauses; Parts of Speech; Direct-Indirect; Active-Passive voice; S-V Agreement, Tenses.

UNIT – IV

Communication Techniques: All forms of written communications including drafting reports; notices, agenda note, business correspondences, preparation of summaries and précis; telegrams, circulars and Telephonic communications.

UNIT – V

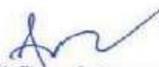
Precis and Comprehension:

1. Introduction and understanding of writing precis in English.
2. Concept/ principle or procedure for precis writing.
3. Organizing and summarizing the selected paragraph to develop scheme in precis writing.
4. Textbook prescribed by State Board of Technical Education to be followed.

Reference Books:

1. *TTTI- Chandigarh, A Book of English for Polytechnic, Pros Selection. MacMillan, India.*
2. *Krishna Mohan and Meera Banerjee. Developing Communication Skills. MacMillan, India.*
3. *N. K. Aggarwal. Better English Grammar & Composition. Arnold Publication, New Delhi.*
4. *Thomas Huckin and Leslie Olson. Technical Writing and Professional Communication. McGraw Hill, New Delhi.*
5. *R K Bansal and J B Harrison. Spoken English for India. Orient Longman, New Delhi.*


Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore


Joint Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore