

FOUR YEAR UNDERGRADUATE PROGRAM (NEP-2020)

Program: Bachelor in Computer Application (2024 -28)

DISCIPLINE – COMPUTER APPLICATION

SESSION – 2024 -25

DSC -01 to 20		DSE -01 to 12	
Code	Title	Code	Title
CASC -01	Discrete Mathematics	CASE -01	Cyber Security and Cyber Law
CASC -02T	Computer Fundamental and MS-Office	CASE -02	Artificial Intelligence and Expert System
CASC -02P	Lab 1: MS-Office	CASE -03	Numerical Analysis
CASC -03T	Operating System	CASE -04	Computer System Architecture
CASC -03P	Lab 2: Operating System	CASE -05	Computer Graphics
CASC -04	Digital Electronics	CASE -06T	Cloud Computing
CASC -05T	Programming in C++	CASE -06P	Lab 13: Cloud Computing
CASC -05P	Lab 3: Programming in C++	CASE -07	Cryptography and Network Security
CASC -06T	Data Structure	CASE -08	Advanced Operating systems
CASC -06P	Lab 4: Data Structure Using C++	CASE -09	Soft Computing
CASC -07	Software Engineering	CASE -10	Digital Image Processing
CASC -08T	Relational Database Management System	CASE -11	Big Data Analytics
CASC -08P	Lab 5: Relational Database Management System (Oracle/MySQL)	CASE -12	Major Project-2
CASC -09T	Programming in Java		
CASC -09P	Lab 6: Programming in Java	DGE -01 & 02	
CASC -10	Theory of Computation	CAGE -01T	Computer Fundamental and MS-Office
CASC -11T	Web Technology	CAGE -01P	Lab 1: MS-Office
CASC -11P	Lab 7: Web Technology	CAGE -02T	Operating System
CASC -12T	Python Programming	CAGE -02P	Lab 2: Operating System
CASC -12P	Lab 8: Python Programming	VAC	
CASC -13	Data Mining and Data Warehousing	CAVAC-01	Artificial Intelligence
CASC -14T	Programming in .Net	SEC	
CASC -14P	Lab 9: Programming in .Net	CASEC-01	ICT Based Learning
CASC -15T	Machine Learning		
CASC -15P	Lab 10: Machine Learning		
CASC -16	Data Communication and Computer Networking		
CASC -17T	Advanced Java		
CASC -17P	Lab 11: Advanced Java		
CASC -18	Major Project-1		
CASC -19T	Mobile Application Development		

Date: 26/07/2024

Signature: *[Handwritten Signature]*

[Handwritten Signatures]
 Dr. H.S. Bhatia (Chairman)
 Dr. K.B. Dubey
 Dr. S.K. Sahu
 Dr. Anil Sharma
 Dr. Sushil Kumar Sahu
 Dr. Suresh Thakur
 Dr. Armita Mukherjee
 Dr. Rajendra Prasad

CASC -19P	Lab 12: Mobile Application Development		
CASC -20T	Fundamentals of IoT and Applications		
CASC -20P	Lab 14: Fundamentals of IoT and Applications		

Program Outcomes (PO):

- Gain a complete exposure to the theories and practices of Computer Application.
- Get transformed into a skilled learner and active programmer, enabling the students to focus on their higher studies.
- Value computer professionals and programmers.
- Explore how the concepts and applications of Computer lead to innovative thinking with a problem-solving attitude.

Program Specific Outcomes (PSO):

- Understand the basic computer knowledge and concept of operating systems.
- Understanding the concept of programming and develop program in C++.
- Understanding the concept of data structure and implementation with C/C++.
- Understanding the concept of DBMS and implementation in MySQL /Oracle.
- Understanding the concept of OOPs and Java programming and develop program in Java.
- Understanding the concept of web technology and its implementation with HTML/CSS/DHTML/PHP.
- Understand the basic concept of data and computer networks.
- Understanding the basic concept of digital electronics.
- Understanding the basic concept of cyber security and cyber law.
- Understanding the basic concept of Artificial Intelligence.

~~Dr. H.S. Hota~~
(Chairman)

~~Kiran~~
(Dr. K.B. Dubey)

~~Prabin~~
(Dr. S.K. Sahu)

~~U.K.~~
(Dr. U.K. Khatun)

~~Annu~~
(Dr. Anil Sharma)

~~Prab~~
(Dr. S. Jain)

~~Dr. R. Khuntia~~

~~Sushil~~
(Sushil Kumar Sahu)

~~Anurag~~
(11/06/21)
(Dr. Anurag K. Gupta)

~~Anuska~~
(Dr. Anuska Shaha Ma)

~~Sh~~
(Suresh Thakur)

~~Dr. S. S. Saha~~
(18-06-2019)
(Dr. S. S. Saha)

~~An~~
(Shailendra Arora)

~~Anjeeta~~
ANJEETA KUMAR

~~H.S.P. Tanwar~~
(H.S.P. Tanwar)

CURRICULUM STRUCTURE

Scheme

Program: BCA

Discipline: Computer Application

Semester	Course Type	Course Code	Course Title	Total Credit	Total Marks	
					Max	Min
1 st Semester	DSC (Major/Core)	CASC-01	Discrete Mathematics	4	100	40
		CASC-02T	Computer Fundamental and MS-Office	3	100	40
		CASC-02P	Lab 1: MS-Office	1	50	20
		CASC-03T	Operating System	3	100	40
		CASC-03P	Lab 2: Operating System	1	50	20
2 nd Semester	DSC (Major/Core)	CASC-04	Digital Electronics	4	100	40
		CASC-05T	Programming in C++	3	100	40
		CASC-05P	Lab 3: Programming in C++	1	50	20
		CASC-06T	Data Structure	3	100	40
		CASC-06P	Lab 4: Data Structure Using C++	1	50	20
3 rd Semester	DSC (Major/Core)	CASC-07	Software Engineering	4	100	40
		CASC-08T	Relational Database Management System	3	100	40
		CASC-08P	Lab 5: Relational Database Management System (Oracle/MySQL)	1	50	20
		CASC-09T	Programming in Java	3	100	40
		CASC-09P	Lab 6: Programming in Java	1	50	20
	DSE	CASE-01	Cyber Security and Cyber Law	4	100	40
4 th Semester	DSC (Major/Core)	CASC-10	Theory of Computation	4	100	40
		CASC-11T	Web Technology	3	100	40
		CASC-11P	Lab 7: Web Technology	1	50	20
		CASC-12T	Python Programming	3	100	40
		CASC-12P	Lab 8: Python Programming	1	50	20

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	DSE	CASE-02	Artificial Intelligence and Expert System	4	100	40
5 th Semester	DSC (Major/Core)	CASC-13	Data Mining and Data Warehousing	4	100	40
		CASC-14T	Programming in .Net	3	100	40
		CASC-14P	Lab 9: Programming in .Net	1	50	20
		CASC-15T	Machine Learning	3	100	40
		CASC-15P	Lab 10: Machine Learning	1	50	20
	DSE	CASE-03	Numerical Analysis	4	100	40
6 th Semester	DSC (Major/Core)	CASC-16	Data Communication and Computer Networking	4	100	40
		CASC-17T	Advanced Java	3	50	20
		CASC-17P	Lab 11: Advanced Java	1	100	40
		CASC-18	Major Project-1	4	50	20
	DSE	CASE-04	Computer System Architecture	4	100	40
7 th Semester	DSC (Major/Core)	CASC-19T	Mobile Application Development	3	100	40
		CASC-19P	Lab 12: Mobile Application Development	1	50	20
	DSE	CASE-05	Computer Graphics	4	100	40
		CASE-06T	Cloud Computing	3	100	40
		CASE-06P	Lab 13: Cloud Computing	1	50	20
		CASE-07	Cryptography and Network Security	4	100	40
		CASE-08	Advanced Operating systems	4	100	40
8 th Semester	DSC (Major/Core)	CASC-20T	Fundamentals of IoT and Applications	3	100	40
		CASC-20P	Lab 14: Fundamentals of IoT and Applications	1	50	20
	DSE	CASE-09	Soft Computing	4	100	40
		CASE-10	Digital Image Processing	4	100	40
		CASE-11	Big Data Analytics	4	100	40
		CASE-12	Major Project - 2	4	100	40

Dr H.S. Hota
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Dr. S. Datta

H.S.P. Tondle

Sushil Kumar Saha

Dr. Anil Sharma

Shantilata Das

ANJEETA KUMAR

Dr. Anil Sharma

Dr. Anil Sharma

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Computer Application (Certificate / Diploma / Degree/Honors)		Semester -IV	Session: 2024-2025
1	Course Code	CASC-10	
2	Course Title	Theory of Computation	
3	Course Type	DSC (Discipline Specific Course)	
4	Prerequisite	<i>As per program</i>	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none"> • Understanding of the language compiler and their associated phases. • Understanding of the core concepts in automata theory and formal languages. • Understanding and analyzing the fundamentals of compiler designing. • Design grammars and automata (recognizers) for different language classes. • Design the pushdown automata and Turing machine. 	
6	Credit Value	4 Credits	<i>Credit = 15 Hours - Learning & Observation</i>
7	Total Marks	Max. Marks: 100	Min Passing Marks: 40

PART -B: Content of the Course
Total No. of Teaching–Learning Periods (01 Hr. per period) – 60 Periods (60 Hours)

Unit	Topics (Course contents)	No. of Period
I	Introduction to Language Compiler: What is a compiler, phases of a compiler, the role of lexical analyzer, specification of tokens, recognition of tokens; different types of parsers; types of grammars, and their associated language in theory of computation. Finite Automata: Introduction to Finite State Automata (FSA): Formal definition, Representation notations (state transition diagram, transition table). Types of FSA: Deterministic Finite Automata (DFA), Nondeterministic Finite Automata (NFA), Finite Automata with Epsilon Transitions, Elimination of Epsilon transitions, Conversion of NFA to DFA, Equivalence of NFA and DFA. Applications of Finite Automata, Minimization of Deterministic Finite Automata. Mealy machine, Moore machine.	15
II	Regular Expressions: Introduction to RE, Identities of Regular Expressions, Finite Automata and Regular Expressions- Converting from DFA to Regular Expressions, Converting Regular Expressions to Automata, Applications of Regular Expressions. Regular Grammars: Definition, Regular grammar, and FA, FA for regular grammar, Regular grammar for FA. Proving languages to be non-regular -Pumping lemma, applications, Closure properties of regular languages.	15
III	Context Free Grammar: Introduction to CFGs, Properties of CFGs, Derivation Trees, Sentential Forms, Rightmost and Leftmost derivations of Strings. Ambiguity in CFG, Minimization of CFG, Chomsky Normal Form (CNF), Greibach Normal Form (GNF), Pumping Lemma for CFLs. Pushdown Automata: Introduction of PDA and its model, types of PDA, Languages accepted by the PDA, Acceptance by Final State and Acceptance by Empty stack and its Equivalence, Equivalence of CFG and PDA.	15
IV	Turing Machines: Formal definition and model of Turing Machine, Types of TMs, Languages of a TM, TM as acceptors, Properties of recursive and recursively enumerable languages, Universal Turing machine, The Halting problem, Undecidable problems about TMs. Context-sensitive language and linear bounded automata (LBA).	15
Keywords	<i>Language compiler, grammar, and their associated language, Finite Automata, Regular Expression, Regular Grammar, Context Grammar, and Turing Machine.</i>	

Name and Signature of Convener & Members of CBoS:

S. Hota
 Chairman

Anurag
 Member

Anjeeta Kujur
 Member

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- John E. Hopcroft, Rajeev Motwani, Jeffrey D. Ullman (2007), Introduction to Automata Theory Languages and Computation, 3rd edition, Pearson Education, India.
- K. L. P Mishra, N. Chandrasekaran (2003), Theory of Computer Science-Automata Languages and Computation, 2nd edition, Prentice Hall of India, India.
- Tools Alfred V. Aho, Ravi Sethi, D. Jeffrey Ullman and Monica S. Lam , Compilers Principles, Techniques and Tools, Addison Wesley.

Reference Books Recommended:

- A.M. Padma Reddy, Finite Automata and Formal languages, Pearson Education India
- Michael Sipser, Third Edition, Introduction to the Theory of Computation, Cengage Learning.

Online Resources:

- NPTEL YouTube Channel: Lectures on Theory of Computation
<https://youtube.com/playlist?list=PLbMVogVj5nJSd25WnSU144ZyGmsqjuKr3&si=EvuSjnOTT1oTHjn>
- NPTEL YouTube Channel: Lectures on Theory of Automata, Formal Languages and Computation
<https://youtube.com/playlist?list=PL85CF9F4A047C7BF7&si=SBm-gIkmkjOBDscB>
- NPTEL YouTube Channel: Lectures on Theory of Computation and Automata
<https://youtube.com/playlist?list=PL3-wYxbt4yCgBHUpwXDTLos3JStccGfax&si=TbYH91hmlOrtUEnN>
- SWAYAM YouTube Channel: Introduction to Automata, Languages and Computations
https://youtube.com/playlist?list=PLbRMhDVUMngcwWkzVTm_kFH6JW4JCtAUM&si=RbTG3WZ0Jf6Zx_pu
- NPTEL YouTube Channel:
https://www.youtube.com/watch?v=_cklLnm28hQ&list=PLbRMhDVUMngcseCW7wXDvtTDemCuH80fP

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 +20	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 30 Marks
	Assignment / Seminar - 10	
	Total Marks - 30	

End Semester Exam (ESE):	Two section – A & B
	Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20 Marks
	Section B: Descriptive answer type qts., 1 out of 2 from each unit-4x10=40 Marks

Name and Signature of Convener & Members of CBOS:

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FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Computer Application (Certificate / Diploma / Degree/Honors)		Semester - IV	Session: 2024-2025
1	Course Code	CASC-11T	
2	Course Title	Web Technology	
3	Course Type	DSC (Discipline Specific Course)	
4	Prerequisite	As per program	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none"> Analyze a web page and identify its elements and attributes. Create web pages using HTML, CSS, JAVASCRIPT, XHTML Build dynamic web pages using JavaScript (Client-side programming). Create XML documents and Schemas. Build interactive web applications using PHP, AJAX. Handling MySQL Database using PHP. 	
6	Credit Value	3 Credits	Credit = 15 Hours - Learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks: 40

PART -B: Content of the Course

Total No. of Teaching–Learning Periods (01 Hr. per period) - 45 Periods (45 Hours)

Unit	Topics (Course contents)	No. of Period
I	Introduction: Fundamentals of web technology: Webpages, website, browser, client, web servers, Basics of HTML CSS, Scripting Languages, MySQL, PHP etc., protocols governing the web, Web applications. Web Publishing: Introduction, Domain Name Registration, choosing a web host and signing up for an Account, web hosting. IDE for web development.	12
II	HTML: Introduction, Basic formatting tags: heading, paragraph, line break, bold, italic, underline, superscript, subscript, font and image. Different attributes like align, color, bgcolor, font face, border, size, Navigation Links using anchor tag: internal, external, mail and image links, Link to different web pages and sections. Lists: ordered, unordered and definition, Table tag, image tag, iframe tag. HTML Form controls: form, text, password, text area, button, checkbox, radio button, select box, hidden controls, Frameset and frames. Basics of DHTML, introduction of XML and its uses. Introduction of AJAX.	11
III	CSS and Scripting Languages: Introduction and features of CSS, CSS syntax, Creating Style sheets, CSS selectors (simple selector, combinator selectors, pseudo-class-selectors, pseudo-element-selectors, attribute selector), different ways to insert the CSS, different styling attributes and their settings like color, background, font, text, margin, position, border etc. JavaScript: introduction and features of java script, Syntax & Conventions, Variables, Expression, Branching & Looping, Function, Array, Objects, Events and Document Object model, Alerts, prompts and conforms.	11
IV	PHP: Introduction and features of PHP, data types, operators, control statements and looping, functions, array, string and string functions, object oriented, programming features of PHP: class-objects, abstraction, encapsulation, constructor, destructor, inheritance, polymorphism etc., Exception Handling. Handling HTML forms with PHP, Working with files and directories, session and cookies, PHP functions for Database Connectivity and basic operation with MySQL.	11

Keywords: Webpage, Website, HTML, AJAX, CSS, JavaScript, PHP, MySQL.

Name and Signature of Convener & Members of CBOS:

Dr. D. S. Hota *Kiran*
 Chairman *Dr. K. B. Dabey*
Sanchit
(Suresh Thakkar)
Shalendra
Amr
(Dr. S. S. Sali)
Devesh
Kotnigle
Dr. Anil Sharma
(Dr. S. Jain)
R. Khuntley
ANJEETA KUMAR

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- Xavier, C, Web Technology and Design, New Age International.
- Ivan Bayross, HTML, DHTML, Java Script, Perl & CGI, BPB Publication.
- Ramesh Bangia, Internet and Web Design, New Age International.
- Ullman, PHP for the Web: Visual QuickStart Guide, Pearson Education.

Reference Books Recommended:

- Jim Converse & Joyce Park, PHP & MySQL Bible, Wiley India Publication
- Chuck Musiano & Bill Kenndy, O Reilly, HTML The Definitive Guide
- Joseph Schmuller, Dynamic HTML, BPB, 2000.
- Deitel, Deitel, Goldberg, Internet & World Wide Web How to Program, Pearson Education,
- Raj Kamal, Internet and Web Technologies, Tata McGraw-Hill.

Online Resources:

- Swayam Portal : Web technology: Web Technology - Course (swayam2.ac.in)
- W3schools: Web development Programming and Scripting Languages
<https://www.w3schools.com>
- Fundamentals of PHP: PHP Tutorial (tutorialspoint.com)
- IIT Kharagpur YouTube Link: Database and SQL
<https://youtube.com/playlist?list=PLIwC9bZ0rmjSkmlVRJROX4vP2YMI4Ebh&si=Z5JJIgtFMUWTfNtg>
- NPTEL: SQL
<https://youtube.com/playlist?list=PLLQPiumE5cEgzU5hChH1V3H93x4UOIHR&si=2dxqvodFZcnQUudR>

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2):	20 +20	Better marks out of the two Test / Quiz obtained marks in Assignment shall be considered against 30 Marks
	Assignment / Seminar -	10	
	Total Marks -	30	

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 (Dr. Anil Sharma)

R. Khantley
 R. Khantley

Anjeeta Kujur
 ANJEETA KUJUR

Sushil Kumar Sahu
 (Sushil Kumar Sahu)

Sunil Thakur
 (Sunil Thakur)

Shri. Anil Kumar
 (Shri. Anil Kumar)

Anjeeta Kujur
 (Anjeeta Kujur)

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction																																		
Program: Bachelor in Computer Application <i>(Certificate / Diploma / Degree)</i>			Semester – IV		Session: 2024-2025																													
1	Course Code	CASC-11P																																
2	Course Title	Lab 7: Web Technology																																
3	Course Type	Practical																																
4	Prerequisite	<i>As per program</i>																																
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none"> Analyze a web page and identify its elements and attributes. Create web pages using HTML, CSS, JAVASCRIPT, XHTML Build dynamic web pages using JavaScript (Client-side programming). Create XML documents and Schemas. Build interactive web applications using PHP, AJAX. Handling MySQL Database using PHP. 																																
6	Credit Value	1 Credits	<i>Credit =30 Hours Laboratory or Field Learning/Training</i>																															
7	Total Marks	Max. Marks:	50	Min Passing Marks:	20																													
PART -B: Content of the Course																																		
Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)																																		
Module	Topics (Course contents)					No. of Period																												
Lab./Field Training/ Experiment	<p style="text-align: center;">HTML</p> <ol style="list-style-type: none"> 1. Write HTML code to create the following table: <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 2px;">Class</th> <th style="padding: 2px;">Subject 1</th> <th style="padding: 2px;">Subject 2</th> <th style="padding: 2px;">Subject 3</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">BCA-I</td> <td style="padding: 2px;">Visual Basic</td> <td style="padding: 2px;">PC Software</td> <td style="padding: 2px;">Electronics</td> </tr> <tr> <td style="padding: 2px;">BCA-II</td> <td style="padding: 2px;">C++</td> <td style="padding: 2px;">DBMS</td> <td style="padding: 2px;">English</td> </tr> <tr> <td style="padding: 2px;">BCA-III</td> <td style="padding: 2px;">Java</td> <td style="padding: 2px;">Multimedia</td> <td style="padding: 2px;">CSA</td> </tr> </tbody> </table> 2. Write HTML code to create the following lists: <ul style="list-style-type: none"> C C++ Fortran COBOL 3. Write HTML code to create the following lists: <ol style="list-style-type: none"> 1. Java 2. Visual Basic 3. Basic 4. COBOL 4. Write HTML code to demonstrate hyper linking between two web pages. 5. Create a marquee & also insert an image. 6. Write HTML code to create a frame in HTML with 3 columns (width= 30%, 30%, 40%) and put hyperlinked pictures inside each. 7. Write HTML code to create a webpage with a blue background and print the following text with white background. “Hello Word “ 8. Write HTML code to create the following table: <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 2px;">Course</th> <th style="padding: 2px;">OC</th> <th style="padding: 2px;">BC</th> <th style="padding: 2px;">MB</th> <th style="padding: 2px;">SC/ST</th> <th style="padding: 2px;">Total</th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> 					Class	Subject 1	Subject 2	Subject 3	BCA-I	Visual Basic	PC Software	Electronics	BCA-II	C++	DBMS	English	BCA-III	Java	Multimedia	CSA	Course	OC	BC	MB	SC/ST	Total							30
Class	Subject 1	Subject 2	Subject 3																															
BCA-I	Visual Basic	PC Software	Electronics																															
BCA-II	C++	DBMS	English																															
BCA-III	Java	Multimedia	CSA																															
Course	OC	BC	MB	SC/ST	Total																													

Computer Science	9	18	5	5	37
Commerce	14	25	6	5	50
Grand Total					87

9. Write HTML code to create the following table:

Maruti		Tata		Ford	
Model	Price	Model	Price	Model	Price
Maruti 800	2 Lac	Sumo	2 Lac	Icon	5 Lac
Omni	3 Lac	Scorpio	3 Lac	Gen	2 Lac

10. Write HTML code to create the following table:

Pandit Ravishankar Shukla University		
Name	Roll No.	Class
Rahul	40	BCA-I
Preeti	85	BCA-I
Priya	74	BCA-I
Richa	95	BCA-I

11. Write HTML code to create the following table:

Students Record		
Name	Subject	Marks
Arun	Java	70
	C	80
Ashish	Java	75
	C	69

12. Write HTML code to create the following table and also insert an image in the webpage.

Subject	Max	Min	Obtain
Java	100	33	75
Multimedia	100	33	70
Operating System	100	33	68
C++	100	33	73

13. Write HTML code to create the following table:

Name		Rahul	
Roll No.		101	
Subject	Max	Min	Obtain
Java	100	33	75
Multimedia	100	33	70

14. Write HTML code to create a form as the following:

Enter Name :

Enter Roll No. :

Enter Age :

Enter DOB :

15. Write HTML code to create the following form:

User Name :

Password :

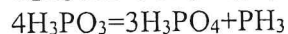
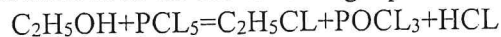
When user types characters in a password field, The browser displays asterisks or bullets instead of character.

16. Write HTML code to create Student Registration Form

17. Write HTML code to create Contact Form

18. Write HTML code to insert Audio & Video in HTML

19. Write HTML code for the following equations:



20. Write the HTML code to display the following list:

- Actors
 - Bruce Wills
 - Gerand Butler
 - Vin Diesel
 - Bradd Pitt
 - Paul Walker
 - Jason Statham
- Actress
 - Julia Roberts
 - Angelina Jolie
 - Kate Wins let
 - Cameron Diaz

21. Write the HTML code to display the following list:

1. Cricket Players
 - A. Batsman
 - i. Sachin Tendulkar
 - ii. Rahul Dravid
 - iii. Virendra Sehwag
 - B. Bowlers
 - i. Kumble
 - ii. Zaheer Khan
 - iii. Balaji
 - C. Spinner
 - i. Harbhajan
 - ii. Ravindra Jadeja
 - iii. Kartik

JavaScript

1. Write a java script, to print prime numbers from 1 and 50.
2. Write a script to get the largest value in an array.
3. Write a function to calculate the factorial of a number (a non-negative integer).
4. Write a script to demonstrate data validation.
5. Write a program to print dates using JavaScript.
6. Write a program to Sum and Multiply two numbers using JavaScript.

DHTML

1. Create a web page which shows the changes of header dynamically.

2. Create a webpage which explains the use of relative positioning.
3. Display an alert box to alert the x and y coordinates of the cursor.

PHP

1. write script using for loop to print all integer between -10 to 10
2. write script to construct the following pattern, using nested for loop


```

1
1 2
1 2 3
1 2 3 4 5
      
```
3. Write a PHP script to get the largest key in an array.
4. Write a function to calculate the factorial of a number (a non-negative integer).
5. Write a PHP script to check string for palindrome.
6. Write a PHP script to collect the data from the registration form designed in HTML, and submit it to the database.
7. Write a PHP script to read the data from the database and display it into the web page in tabular form.

MySQL

Task - I

Create the following table in MySQL:

College (cname, city, caddress, cphone)
 Staffjoins (sid, cname, dept, doj, post, salary)
 Staffs (sid, sname, saddress, scontacts)
 Teaching (sid, class, paprid, fsession, tsession)
 Subject (paperid, subject, paper, papername)

Write the queries to perform the following operations.

1. List the name and post of a teacher teaching a computer subject.
2. List the name and city of all staff working in your college.
3. List the name and city of all staff working in your college who earn more than 15000.
4. Find the staff whose date of joining is 2005.
5. Find the staff whose names start with 'M' or 'R' and 'A' and/or 7 characters long.
6. Modify the database so that staffN1 now works in C2 college.
7. List maximum, average, minimum salary of each college.
8. Acquire details of staff by name in a college or each college.
9. List names of staff in ascending order according to salary who are working in all colleges.
10. Find the staff that earn a higher salary who earn greater than the average salary of their college.

Task - II

Create the following table MySQL:

Enrollment (enrollno, name, gender, DOB, address, phone)
 Admission (adno, enrollno, course, yearsem, date, cname)
 Feestucture (course_yearsem, fee)
 Payment (billno, admno, amount, pdate, purpose)

Write the queries to perform the following operations.

1. Get full detail of all students who took admission this year class wise.
2. Get details of students who took admission in sai colleges.
3. Calculate the total amount of fees collected in this session.
4. List the students who have not paid full fees in your colleges.
5. List the number of admission in your college every year.
6. List the students in colleges in your city and also live in your city.

Task - III

Create the following table MySQL:

Subject (paperid, subject, paper, papename)

test(paperid,tdate,max,min)

score(rollno,paperid,marks,attendance)

students(admno,rollno,class,yearsem)

Write the queries to perform the following operations.

1. List roll no of students who were present in a paper of a subject.
2. List all roll numbers who have passed in first division.
3. List all students in BCA-II who have scored higher than average in your college.

Note: Concerned teacher can add additional practical exercises as per requirement.

Keywords HTML, Hyperlinks, Form, List, Table, CSS, JavaScript, MySQL, PHP.

Name and Signature of Convener & Members of CBoS:

Dr. H.S. Khatke
Chairman
(Sushil Kumar Sahu)
Dr. K.B. Dubey
(Suresh Thakur)
(Dr. S.K. Sahu)
(Dr. Anil Sharma)
(Dr. A.S.S.)
ANJEEVA KUMAR

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- Xavier, C, Web Technology and Design, New Age International.
- Ivan Bayross, HTML, DHTML, Java Script, Perl & CGI, BPB Publication.
- Ramesh Bangia, Internet and Web Design, New Age International.
- Ullman, PHP for the Web: Visual QuickStart Guide, Pearson Education.

Reference Books Recommended:

- Jim Converse & Joyce Park, PHP & MySQL Bible, Wiley India Publication
- Chuck Musiano & Bill Kenndy, O Reilly, HTML The Definitive Guide
- Joseph Schmuller, Dynamic HTML, BPB, 2000.
- Deitel, Deitel, Goldberg, Internet & World Wide Web How to Program, Pearson Education,
- Raj Kamal, Internet and Web Technologies, Tata McGraw-Hill.

Online Resources:

- Swayam Portal : Web technology: Web Technology - Course (swayam2.ac.in)
- W3schools: Web development Programming and Scripting Languages
<https://www.w3schools.com>

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Computer Application (Certificate / Diploma / Degree/Honors)		Semester - IV	Session: 2024-2025
1	Course Code	CASC-12T	
2	Course Title	Python Programming	
3	Course Type	DSC (Discipline Specific Course)	
4	Prerequisite	As per Program	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none"> Define the structure and components of a Python program. Demonstrate proficiency in handling of loops and creation of functions. Identify the methods to create and manipulate lists, tuples and dictionaries. Discover the commonly used operations involving regular expressions and file system. Determine the need for scraping websites and working with CSV, JSON and other file formats. Interpret the concepts of Object-Oriented Programming as used in Python. 	
6	Credit Value	3 Credits	Credit = 15 Hours - Learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks: 40

PART -B: Content of the Course

Total No. of Teaching–Learning Periods (01 Hr. per period) - 45 Periods (45 Hours)

Unit	Topics (Course contents)	No. of Period
I	Introduction to Python Programming: What is a Program, Formal and Natural Languages, Why use Python, Uses of python, Strengths & Drawbacks, The Python Interpreter, Running Python, The IDLE User Interface, The Interactive Prompt, Script Mode, Dynamic Typing , Debugging. Types, Operators, Expressions & Statements: Values and Types. Assignment Statement, Variable Names, Expressions & Statements, Order of Operations, String Operations, Comments.	10
II	Conditionals: Boolean Expressions, Logical operators, Conditional & Alternative Execution, Chained and Nested Conditions. Iterations: Reassignment, Updating Variables, The “for” and “while” statements, break. Strings: String is a sequence, len, Traversal with a for loop, String Slices, Searching, Looping and Counting, String Methods, the “in” operator, String Comparison.	10
III	Lists, Tuples, and Dictionaries; Basic list Operators, replacing, inserting, removing an element, searching and sorting lists, Accessing tuples, Operations, Working, Functions and Methods, dictionary literals, adding and removing keys, accessing and replacing values, Traversing Dictionaries.	10
IV	Function, Files and Graphics: Defining a function, calling a function, Types of functions, Function Arguments, Anonymous functions, Global and local variables, Files: Files & Persistence, Reading and Writing, Filenames and Paths. Graphics programming: Drawing with turtle graphics, using turtle module, moving the turtle with any direction, moving turtle to any location, the color, bgcolor, circle and speed method of turtle, drawing with colors, drawing basic shapes using iterations. Python Libraries: Exploring python libraries like Panda, Numpy, TensorFlow, Scikit-Learn, Keras, PyTorch, SciPy etc.	15

Keywords List, Tuple, Dictionary, Panda, Numpy, TensorFlow, Scikit-Learn, Keras, PyTorch, SciPy.

Name and Signature of Convener & Members of CBoS:

Dr. H.S. Hota *Hota*
 Chairman *Dr. K.B. Dubey*
Sushil Kumar
Suresh Thakur
Shri Krishna
Dr. S.K. Sahu
Dr. Anil Sharma
Dr. S. Jain
R. Khuntia
ANJETA KUT

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- T. Budd, Exploring Python, TMH, 1st Ed, 2011
- Allen Downey, Jeffrey Elkner, Chris Meyers, How to think like a computer scientist: Learning with Pyth, Freely available online. 2012

Reference Books Recommended:

- Luca Massaron John Paul Mueller, Python for Data Science For Dummies, Wiley, 2ed, 2019
- Allen B. Downey, Think Python: How to Think Like a Computer Scientist, 2nd edition by O'Reilly, 2015
- Zed A. Shaw, Learn Python 3 the Hard Way (Addison-Wesley, 2016)

Online Resources:

- NPTEL URL link for Python Programming:
https://www.youtube.com/watch?v=eoPsX7MKfe8&list=PLIdgECt554OVFKXRpo_ku10XpUQKk0ycO
- Complete NPTEL link for Basic Python Programming:
https://www.youtube.com/watch?v=Y3Ri2GdYfYg&list=PLqftY2uRk7oXvERQEGATSr-KzAh8WLW_D
- File Handling: https://www.w3schools.com/python/python_file_handling.asp
- NumPy: <https://www.w3schools.com/python/numpy/default.asp>
- Pandas: <https://www.w3schools.com/python/pandas/default.asp>
- SciPy: <https://www.w3schools.com/python/scipy/index.php>
- Django: <https://www.w3schools.com/django/index.php>
- Matplotlib: https://www.w3schools.com/python/matplotlib_intro.asp
- Machine Learning: https://www.w3schools.com/python/python_ml_getting_started.asp
- Python MySQL: https://www.w3schools.com/python/python_mysql_getstarted.asp
- Topics related Python from SWAYAM/NPTEL
<https://www.youtube.com/channel/UCxulcR5XRauYn37yg-Fh6rA>
<https://www.youtube.com/channel/UCJAgwlniUkaShdmA5aAZdQw>
- Topics related Python from Tutorials
 - <https://www.javatpoint.com/python-tutorial>
 - <http://docs.python.org/3/tutorial/index.html>
 - <http://interactivepython.org/courselib/static/pythonds>
 - <http://www.ibiblio.org/g2swap/byteofpython/read/>
- Python for Beginners:
 - https://www.w3schools.com/python/python_intro.asp
 - <https://www.python.org/about/gettingstarted/>
 - <https://www.javatpoint.com/python-tutorial>
 - <https://www.geeksforgeeks.org/python-programming-language/>

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal
Assessment (CIA):
(By Course Teacher)

Internal Test / Quiz-(2):	20 +20
Assignment / Seminar -	10
Total Marks -	30

Better marks out of the two Test / Quiz
+ obtained marks in Assignment shall
be considered against 30 Marks

End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20 Marks Section B: Descriptive answer type qts., 1 out of 2 from each unit-4x10=40 Marks				
Name and Signature of Convener & Members of CBOS:					
Dr. H.S. Hora Chairmen	Dr. K.B. Dubay	Dr. S.K. Sahu	Dr. P.K. Mishra	Dr. Anil Sharma	Dr. S. Jain
Sushil (Sushil Kumar Sahu)	Suresh Thakur	Sheela	Y.M.	Section Kaur	R. Khuntia
					ANJETA KUTUR


FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

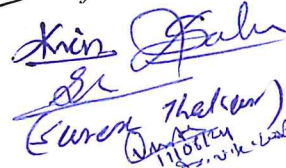
PART- A: Introduction			
Program: Bachelor in Computer Application (Certificate / Diploma / Degree)		Semester - IV	Session: 2024-2025
1	Course Code	CASC-12P	
2	Course Title	Lab 8: Python Programming	
3	Course Type	Practical	
4	Prerequisite	<i>As per program</i>	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none"> • Define the structure and components of a Python program. • Demonstrate proficiency in handling of loops and creation of functions. Identify the methods to create and manipulate lists, tuples and dictionaries. • Discover the commonly used operations involving regular expressions and file system. • Determine the need for scraping websites and working with CSV, JSON and other file formats. • Interpret the concepts of Object-Oriented Programming as used in Python. 	
6	Credit Value	1 Credits	<i>Credit =30 Hours Laboratory or Field Learning/Training</i>
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20
PART -B: Content of the Course			
Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)			
Module	Topics (Course contents)		No. of Period
List of Practical Experiments	<p>Note: This is tentative list; the teachers concern can add more program as per requirement.</p> <ol style="list-style-type: none"> 1. Python program to find the union of two lists. 2. Python program to find the intersection of two lists. 3. Using for loop, print a table of Celsius/Fahrenheit equivalences. Let c be the Celsius temperatures ranging from 0 to 100, for each value of c, print the corresponding Fahrenheit temperature. 4. Using while loop, produce a table of sines, cosines and tangents. Make a variable x in range from 0 to 10 in steps of 0.2. For each value of x, print the value of sin(x), cos(x) and tan(x). 5. Write a program that reads an integer value and prints —leap year or —not a leap year. 6. Write a program that takes a positive integer n and then produces n lines of output shown as follows. For example, enter a size: 5 * ** *** **** ***** 7. Write a function that takes an integer <u>n</u> as input and calculates the value of $1 + 1/1! + 1/2! + 1/3! + \dots + 1/n$ 		30

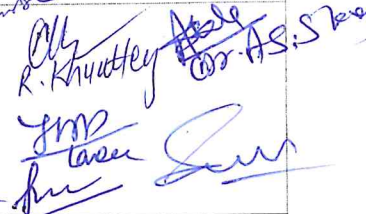
	<ol style="list-style-type: none"> 8. Write a function that takes an integer input and calculates the factorial of that number. 9. Write a function that takes a string input and checks if it's a palindrome or not. 10. Write a list function to convert a string into a list, as in list ('_abc') gives [a, b, c]. 11. Write a program to generate Fibonacci series. 12. Write a program to check whether the input number is even or odd. 13. Write a program to compare three numbers and print the largest one. 14. Write a program to print factors of a given number. 15. Write a method to calculate GCD of two numbers. 16. Write a program to create Stack Class and implement all its methods. (Use Lists). 17. Write a program to create Queue Class and implement all its methods. (Use Lists) 18. Write a program to implement linear and binary search on lists. 19. Write a program to sort a list using insertion sort and bubble sort. 20. Python program to remove the "i" th occurrence of the given word in a list where words repeat. 21. Python program to count the occurrences of each word in a given string sentence. 22. Python program to check if a substring is present in a given string. 23. Python program to map two lists into a dictionary. 24. Python program to count the frequency of words appearing in a string using a dictionary. 25. Python program to create a dictionary with key as first character and value as words starting with that character. 26. Python program to find the length of a list using recursion. 27. Python program to read a file and capitalize the first letter of every word in the file. 28. Python program to read the contents of a file in reverse order. 29. Python program to create a class in which one method accepts a string from the user and another prints it. 30. Study and Implementation of Database, Structured Query Language and database connectivity.
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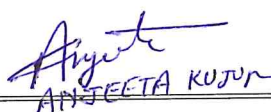
Keywords List, Tuple, Dictionary, Panda, Numpy, TensorFlow, Scikit-Learn, Keras, PyTorch, SciPy.

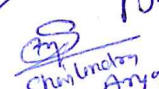
Name and Signature of Convener & Members of CBoS:

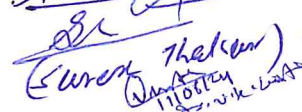
Dr. H.S. Hora
 Chairman


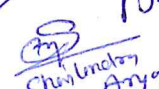

 (Dr. S. Jain)

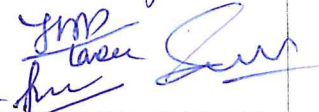

 R. Khutley


 ANJEETA KUJUR


 Shubhendra Arya


 Gaurav Thakur


 Jyoti


 Anshu

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- T. Budd, Exploring Python, TMH, 1st Ed, 2011
- Allen Downey, Jeffrey Elkner, Chris Meyers, How to think like a computer scientist: Learning with Pyth, Freely available online. 2012

Reference Books Recommended:

- Luca Massaron John Paul Mueller, Python for Data Science For Dummies, Wiley, 2ed, 2019

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- Dan W. Patterson, Introduction to Artificial Intelligence and Expert Systems, PHI Publication.
- Elaine Rich and Kevin Knight, Artificial Intelligence, TMH publication.
- George. F, William. A. Stubblefield, 'Artificial intelligence and the design of expert systems', The Benjamin Cummins Publishing Co., Inc 2nd Edition, 1992.
- V.S. Jankiraman, K. Sarukesi and P. Gopala krishnan, Foundations of Artificial Intelligence and Expert Systems , Macmillan Series in Computer Science.

Reference Books Recommended:

- Vinod Chandra S.S., Anand Hareendrn S., Artificial Intelligence and machine learning, PHI learning private Ltd.
- V.S. Jankiraman, K. Sarukesi and P. Gopala Krishnan, Foundations of Artificial Intelligence and Expert Systems, Macmillan Series in Computer Science
- Russel (Stuart), 'Artificial Intelligence- Modern approach, Pearson Education series in AI', 3rd Edition, 2009.
- Eugene Charniak, Drew Mc Dermot, 'Introduction to Artificial intelligence', Addison Wesley Longman Inc.,2009
- Robert J Schalkoff, 'Artificial intelligence An Engineering Approach', McGraw Hill International Edition, 1990

Online Resources:

- Introduction to Artificial Intelligence from SWAYAM:
https://www.youtube.com/watch?v=pKeVMlkFpRc&list=PLwdnzlV3ogoXaceHrrFVZCJkbm_laSHcH&index=2
- Artificial Intelligence: Knowledge Representation And Reasoning from SWAYAM
https://onlinecourses.nptel.ac.in/noc24_cs14/preview
- An introduction to Artificial Intelligence from SWAYAM:
https://onlinecourses.nptel.ac.in/noc24_cs08/preview
- Introduction to Artificial Intelligence from Coursera: <https://www.coursera.org/learn/introduction-to-ai>
- Problem Solving as State Space Search from SWAYAM:
https://www.youtube.com/watch?v=fLw8SfvaJWA&list=PLwdnzlV3ogoXaceHrrFVZCJkbm_laSHcH&index=3
- Heuristic Search from SWAYAM:
https://www.youtube.com/watch?v=0awSpFyh2MY&list=PLwdnzlV3ogoXaceHrrFVZCJkbm_laSHcH&index=5
- Introduction to Artificial Intelligence:
<https://www.javatpoint.com/artificial-intelligence-ai>
- How to Learn Artificial Intelligence from Coursera: <https://www.courscrea.org/articles/how-to-learn-artificial-intelligence>
- What is knowledge representation:
<https://courses.csail.mit.edu/6.803/pdf/davis.pdf>
- Informed Search
https://www.youtube.com/watch?v=-Rf2hOyjZB8&list=PLwdnzlV3ogoXaceHrrFVZCJkbm_laSHcH&index=6
- Artificial; Intelligence and Expert System:
 - https://sist.sathyabama.ac.in/sist_coursematerial/
 - https://sist.sathyabama.ac.in/sist_coursematerial/uploads/SMRA3003.pdf

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 & 20 Assignment / Seminar - 10 Total Marks - 30	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 30 Marks
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End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20 Marks Section B: Descriptive answer type qts., 1 out of 2 from each unit-4x10=40 Marks
---------------------------------	---

Name and Signature of Convener & Members of CBoS:

~~Dr. H.S. Hatai~~
Chairman

Kiran Gadhvi

Yes

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]
(Suresh Thakur)

[Signature]
11/06/24
Anvita Kulkarni

[Signature]
[Name]

[Signature]
[Name]

[Signature]

[Signature]

[Signature]
[Name]

ANJEETA KUTU

FOUR YEAR UNDERGRADUATE PROGRAM(2024-28)
DEPARTMENT OF.....

COURSE CURRICULUM

PART-A: Introduction			
Program: Bachelor in Business Administration (Certificate/ Diploma /Degree)		Semester- IV	Session: 2024-2026
1	Course Code	BBSEC - 02	
2	Course Title	Creative Writing & Content Development	
3	Course Type	Skill Enhancement Course (SEC)	
4	Pre-requisite (if, any)	<i>As per requirement</i>	
5	Course Learning Outcomes (CLO)	<ul style="list-style-type: none"> ➤ To make them understand the writing process ➤ To sensitize them to the various styles and techniques of writing and editing. ➤ To learn various styles and techniques of creative writing and editing. 	
6	Credit Value	2 Credits (1C+1C)	<i>Credit= 15Hours – Theoretical learning and =30 Hours Laboratory or Field learning/Training</i>
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20
PART-B: Content of the Course			
Total No. of Teaching-learning Periods: Theory – 15 Periods (15Hrs) and Lab. or Field learning/Training 30 Periods (30Hours)			
Module	Topics (Course contents)		No. of Period
Theory Contents	Fundamentals of Creative Writing: Meaning and Significance of Creative Writing; Genres of Creative Writing: poetry, fiction, non-fiction, drama and other forms. Elements of Creative Writing: Plot, Setting, Character, Dialogue, Point of View; Literary Devices and Figurative Language; Elements of Style; Grammar and the Structure of Language; Proof Reading and Editing. Basics of Content Development: The Concept of Content Writing and its relevance, Role and Functions of Content Writers Plagiarism: Meaning and concept, Types of Plagiarism, rules on plagiarism; How to develop plagiarism-free content; T to check plagiarism, Copyright issues		15
Lab./Field Training Contents	Project: Submit a Project based on the contents covered in the theory paper I or Paper II (Platforms like Blogs, Podcasts can be used to create and present your ideas and imagination)		30
Keywords	<i>Creative Writing, Content Development, Plagiarism.</i>		
PART-C: Learning Resources			
Text Books, Reference Books and Others			
Text Books Recommended-			
<ol style="list-style-type: none"> 1. Bell, Julia and Magrs, Paul. The Creative Writing Course-Book. London: Macmillan, 2001. 2. Bailey, Tom. On Writing Short Stories. USA: OUP, 2010. Print. Morley, David. The Cambridge 3. Companion to Creative Writing. Pune: Cambridge University Press India Ltd., 2012. Print. 4. Clark, Peter Roy. Writing Tools. USA: Hachette Book Group, 2008. Print. 5. Davidson, Chad. Writing Poetry: Creative and Critical Approaches. USA: Palgrave Macmillan, 2009. 			
Online Resources-			
https://www.entrepreneur.com/article/247908 https://www.locationrebel.com/b2b-writing/ https://wordpress.com/support/prevent-content-theft/ https://blog.unisquareconcepts.com/content-writing/what-is-plagiarism-why-is-it-important-for-blog-writing			



PART-D: Assessment and Evaluation		
Suggested Continuous Evaluation Methods:		
Maximum Marks:	50 Marks	
Continuous Internal Assessment (CIA):	15 Marks	
End Semester Exam (ESE):	35 Marks	
Continuous Internal Assessment (CIA): (By Course Coordinator)	Internal Test / Quiz-(2): 10 & 10 Assignment/Seminar + Attendance - 05 Total Marks - 15	Better marks out of the two Test/ Quiz + obtained marks in Assignment shall be considered against 15 Marks
End Semester Exam (ESE):	Laboratory/Field Skill Performance: Onspot Assessment D. Performed the Task based on learned skill- 20 Marks E. Spotting based on tools (written)- 10 Marks F. Viva-voce (based on principle/technology) - 05 Marks	Managed by Coordinator as per skilling

Name and Signature of Convener & Members: (CBOS)

GOES TO 05TH SEMESTER

Sal *Amma* *J*

FOUR YEAR UNDERGRADUATE PROGRAM (2024 –28)
DEPARTMENT OF English
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in-Arts/Science/Commerce (Diploma)		Semester -IV	Session: 2024-2025
1	Course Code	AEC- 04	
2	Course Title	Communicative English and Soft Skills	
3	Course Type	AEC [Ability Enhancement Course]	
4	Pre-requisite (if, any)	As per program	
5	Course Learning Outcomes (CLO)	After completion of this course, the students will be able to: <ul style="list-style-type: none"> ➤ Learn deviant use of English both in written and spoken forms. ➤ Understand the importance of communication in English. ➤ Apply the ability to improve competence in using English language. ➤ Analyze the importance of reading skills. ➤ Develop language for speaking with confidence. 	
6	Credit Value	2 Credits	Credit = 15 Hours - learning & Observation
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20
PART -B: Content of the Course			
Total No. of Teaching-learning Periods (01 Hr. per period) - 30 Periods (30 Hours)			
Unit	Topics (Course contents)		No. of Period
I	What is communication? <ul style="list-style-type: none"> • Purpose of Communication, • Types of Communication (Verbal and Non- Verbal), • The motivating factors (Intrinsic and Extrinsic) • Barriers of Communication (Internal and External). 		08
II	Building Vocabulary <ul style="list-style-type: none"> • Use of Dictionary, • Building Vocabulary through synonyms and antonyms, • Use of Phrasal Verbs, Idioms and Phrases • Unseen passage 		07
III	Conversation in English (Performance Based) <p>A) Reading: Very short stories (Gift of Magi, Cinderella, The Selfish Giant, Stories from Panchatantra), Newspaper reports / Fact- based articles, Diction and tone, Identifying topic sentences, Reading aloud: Reading an article/report.</p> <p>B) Spoken English for the Real world and Situational Dialogues) (any four)</p> <ul style="list-style-type: none"> • Call Center: Talking to service Providers, Professional Enquiries, Talking with peers/ seniors. • Bank: for opening an account (seeking information on loans/FDs/other schemes. • Office: (seeking information regarding job vacancy) • Market (asking for price of an object, discount etc), • Restaurant: (asking for the special dish, offerings in the menu and ordering for food) 		08

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	<ul style="list-style-type: none"> At the Railway Station/ Bus Station enquiry: (Arrival and departure of buses/ trains) Hotel: Booking a room, asking tariff rate Travel agency: (Asking to book tickets fares, finding vacancies in hotels) <p>C) Greetings and Common Etiquettes: Introducing oneself; Invitation; Making Requests; Expressing Gratitude; Complimenting and Congratulating; Expressing Sympathy; Apologizing; Complaining and Expressing Regret</p>	
IV	<p>Presentation skills (Performance Based):</p> <p>Effective oral presentation, Characteristics of good oral presentation. Use of quotations and anecdotes. Ways of Oral Presentation (Seminar, Viva -voce, Interview, Power Point etc.) Gestures/ Mannerism during oral presentation. Media methods used for effective oral presentation, Body Language, Attire.</p>	08
Key words	Communication, Vocabulary, Conversation, Reading, Presentation.	

Signature of Convener & Members (CBoS) :

PART-C: Learning Resources
Text Books, Reference Books and Others
<p>Text Books Recommended - Suggested Reading:</p> <ul style="list-style-type: none"> ➤ Fluency in English - Part II, Oxford University Press, 2006. ➤ Enrich Your English, OUP, SR Inthira and V. Saraswathi, CIEFL, 1997 ➤ Oxford A-Z of English Usage, ed. Jeremy Butterfield, OUP, 2007. ➤ Longman Dictionary of Common Errors, N.D. Turton and J.B. Heaton, Longman, 1998 ➤ Contemporary Communicative English, S Chand ➤ Malhotra Perna, Deb Dulal Halder, (2019) Communication Skills: Theory and Practice, Eighth Edition, BookAge Publications, New Delhi.
<p>Online Resources-</p> <ul style="list-style-type: none"> ➤ Applying Communication Theory for Professional Life: A Practical Introduction. Dainton and Zolley, http://tsime.uz.ac.zw/claroline/backends/download.php?url=L0ludHJvX3RvX2NvbW11bmljYXRpb25f ➤ https://web.sol.du.ac.in/my_modules/type/cbcs-41-2/data/root/B.Com/Semester%202/ABILITY-ENHANCEMENT%20COMPULSORY%20COURSE-AECC/English%20Communication%20A-B-C/Unit%201-5.pdf ➤ https://archive.org/details/personality-development-book/mode/1up ➤ https://www.coursera.org/articles/presentation-skills ➤ https://www.cbs.de/en/blog/15-effective-presentation-tips-to-improve-presentation-skills/ ➤ https://benjaminball.com/blog/good-body-language-best-visual-aid-talks/ ➤ https://blog.moderngov.com/importance-of-body-language-in-presentations-good-bad-examples
PART -D: Assessment and Evaluation
<p>Suggested Continuous Evaluation Methods:</p> <p>Maximum Marks: 50 Marks</p> <p>Continuous Internal Assessment (CIA): 15 Marks</p> <p>End Semester Exam (ESE): 35 Marks</p>

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Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 10 & 10 Assignment/Seminar +Attendance - 05 Total Marks - 15	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks
End Semester Exam (ESE):	Q1. Objective/ MCQs to be asked only from Unit I (1 x5= 05 Mark) Q2. I Vocabulary: (5Marks) II Unseen Passage (5 Marks) Q3. Particles from Unit 3 & 4 consisting of 20 marks.	

Name and Signature of Convener & Members of CBoS:

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