



## Mahatma Education Society's Pillai College of Education & Research

DR. Pillai Teacher Training Centre, Sector 8, Khanda Colony,  
New Panvel-410206

Tel-022-27480289/27481864, Fax: 022-27464161.

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### VALUE-ADDED CERTIFICATE COURSE

### SELF ENHANCEMENT: 'I am SPECIAL'

Course Code - PCERPVACC01 (3 Credits)



### Certificate Course in SELF ENHANCEMENT: 'I AM SPECIAL'

Code: PCERPVACC01

Credits: 3

Duration: 36 Hours

#### Course Learning Outcomes:

After learning this module, the student teacher will be able to:

- develop self-understanding in terms of personality type, strengths, and weaknesses,
- evolve self with positive self-concept, self-esteem, and emotional intelligence,
- inculcate values of self-reflection and analyze life positions with positive thinking,
- develop communication and interpersonal relationship skills,
- develop values of compassion and imbibe skills of self-compassion,
- handle conflicts effectively.

#### Course Content

##### Module 1: Self vision

[1 Credit]

##### Unit 1: Window to self-image

- a. Know oneself, personality type, emotions and self-image
- b. Unleash true potential, Johari window
- c. Self-analysis, SWOC analysis

##### Unit 2: Nurturing self

- a. Exploring uniqueness
- b. Developing self-concept and self-esteem
- c. Evolving the positive self and enthusiasm

##### Module 2: Self and the other

[1 Credit]

##### Unit 3: The evolving self

- a. Communication and interpersonal relation skills
- b. Life positions
- c. Transactional analysis

##### Unit 4: The sensitive self

- a. Compassion, Self-compassion
- b. Empathy
- c. Conflict resolution

##### Module 3: Tasks and assignments

[1 Credit]

- a. Self-narrative reflection journal
- b. Transactional analysis tool
- c. Conflict resolution chart



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### VALUE-ADDED CERTIFICATE COURSE

## Preparatory Course in Research

Course Code - PCERPVACC02

(3 Credits)



## Preparatory Course in Research

Code: PCERPVACC02

Credits: 3

### Course Learning Outcomes:

After learning this module, the student teacher will be able to:

- To explain the meaning of key concepts
- To be able to formulate a research title
- To prepare a research proposal

### Course Content

#### Module 1: Foundations of Research [1 CREDIT]

- a. Meaning and purpose of research
- b. Approaches to educational research
- c. Understanding the key concepts in research

#### Module 2: Review of related literature [1 CREDIT]

- a. Review of literature at the broad level
- b. Identifying the variables of study
- c. Review of related literature related to variables.

#### Module 3: Formulating Research Topic

- a. Analysing the relevance of variables selected
- b. Identifying the rationale for the study
- c. Review of related literature

#### Module 4: Assignment [1 CREDIT]

##### Write a Research Proposal

- Title of the topic
- Review of related literature
- Rationale & need of the study
- Conceptual & operational definitions of the variables
- Research questions, aims, objectives & hypothesis
- Methodology, sample & tools
- Scope, limitations & delimitations
- Significance of the study
- Bibliography
- Chapterization



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## VALUE-ADDED CERTIFICATE COURSE

### TEACHING COMPETENCY

Course Code – PCERPVACC03 (3 Credits)



## Certificate Course in TEACHING COMPETENCY

Code: PCERPVACC03

CREDITS 3

### Course Learning Outcomes

- To enable student-teachers to sharpen and develop specific teaching skills and eliminate errors.
- To enable student teachers to understand behaviour important in classroom teaching.
- To enable student-teachers to master a wide-ranging array of competencies.
- To enable teacher trainees to gain confidence in teaching.

### Course Content

#### Module 1: Introduction to teaching skills

1 credit

- Concept of teaching skills
- Sub skills of introduction
- Techniques of introduction

#### Module 2: Conceptual skills

- Skill of Explanation
- Skill of Illustrating with examples
- Skill of Questioning
- Skill of Probing

#### Module 3: Technical skills

1 credit

- Skill of Stimulus Variation
- Skill of Black Board Writing
- Skill of Reinforcement
- Skill of Closure

#### Module 4: Skill of Lesson Planning

1 credit

- Content Analysis
- Writing of General and Specific Objectives
- Content/Concept Mapping
- Integrating Core Elements/Values
- Planning Teacher activities
- Use of Teaching Aids
- Recapitulation and Summarizing
- Evaluative questions

**Task Assignment:** Write a lesson plan using all the skills of teaching



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### VALUE-ADDED CERTIFICATE COURSE

### COMMUNICATIVE ENGLISH

Course Code - PCERPVACC04 (3 Credits)



### Certificate Course in COMMUNICATIVE ENGLISH

Code: PCERPVACC04

Credits: 3

#### Course Learning Outcomes

1. To develop the knowledge of the usage of words
2. To enable the student to use appropriate word stress and elementary intonation patterns
3. To enable the student to construct grammatically correct sentences.
4. To enable the student to put ideas in a proper sequence
5. To enable the student to narrate experiences and events
6. To enable the student to use polite expressions in appropriate situations
7. To enable the student to converse in familiar social situations.
8. To develop skills needed for public speaking

#### Course Content

##### Module 1: *Acquaintance to words and their usage*

1 credit

1. Reading simple text- Understanding punctuation, proper pause, word stress
2. Working Knowledge of Grammar
3. Basic Etiquettes in speech
4. Basic vocabulary and pronunciation practice.

##### Module 2: *Expression of Ideas*

1 credit

1. Reading Stories with dialogues- voice modulation and intonation
2. Working knowledge of Grammar required to put ideas in a proper sequence
3. Situational Role plays.
4. Commonly used vocabulary, idioms and phrases

##### Module 3: *Fluency in Speaking*

1 credit

1. Group discussions
2. Debates
3. Public speaking
4. Interview techniques



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## **VALUE-ADDED CERTIFICATE COURSE CREATING LEARNING RESOURCES**

**Course Code – PCERPVACC05 ( 32 HOURS)**



### **Certificate Course in Creating Learning Resources**

**Code: PCERPVACC05**

**Duration: 32 hours**

#### **Learning Outcomes of the Course**

1. Understand the principles of effective learning resources
2. Acquire skills in designing teaching aids that enhance instruction and support learning
3. Develop skills in incorporating the use of technology and multimedia elements in designing learning resources for diverse learners.

#### **Course content:**

##### **MODULE 1 Non-Digital Learning Resources**

- a. Meaning of Learning Resources: Based on Edgar Dale's Cone of Experience
- b. Print resources
- c. Library resources
- d. Real-world resources
- e. Personal resources

##### **MODULE II Digital Learning Resources**

- a. Online resources and digital content
- b. Multimedia materials
- c. Online learning resources
- d. Open educational resources (OER)

##### **MODULE III: Preparation of Learning Resources**

###### **1. Preparation of teaching aids:**

- a. Charts, diagrams, graphs,
- b. models, diorama,
- c. flannel board,
- d. Puppets, and educational games/ puzzles.

###### **2. Developing Bulletin Boards**

- a. Daily Routine
- b. Classroom management
- c. Subject based
- d. Concept based
- e. Display board
- f. Interactive board



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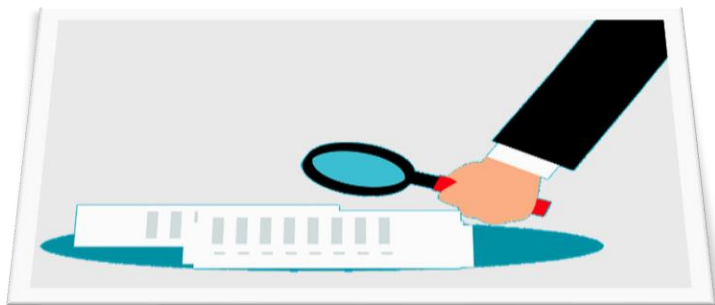
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### VALUE-ADDED CERTIFICATE COURSE

## DESIGNING AND PREPARING ASSESSMENT TOOLS

Course Code - PCERPVACC06 (3 Credits)



### Certificate Course in DESIGNING AND PREPARING ASSESSMENT TOOLS

Code: PCERPVACC06

Credits: 3

#### Course Learning Outcomes

1. To design the blueprint of assessment tools
2. To prepare achievement and alternate assessment tools
3. To create digital tools for assessment.
4. To create awareness regarding peer assessment and self-assessment tools.
5. To analyse test results.

#### Course Content

##### Module 1: Designing Assessment Tools

1 credit

1. Chapter analysis
2. Preparing Blueprint
3. Developing item bank

##### Module 2: Preparing assessment Tools

1 credit

1. Preparing achievement test, Answer Key and Question wise analysis
2. Preparing alternate classroom assessment tools- Rubrics, Competency based tool.
3. Rating Scale, Check List, Anecdotal record.

##### Module 3: Other assessment Tools

1 credit

1. Peer Assessment tools
2. Self-Assessment tools
3. Digital tools

##### Module 4: Analyse Test Results

1. Item Analysis: Discriminating Index and Difficulty index
2. Percentage Analysis
3. Statistical Analysis- Mean & Median

#### Assessment activities: Prepare the following

- Achievement test
- Rubrics/ Competency based assessment tool
- Questionnaire with rating scale and checklist
- Digital tool for assessment.



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### VALUE-ADDED CERTIFICATE COURSE INSTRUCTIONAL STRATEGIES

Course Code – PCERPVACC07 (4 Credits)



### Certificate Course in Instructional Strategies

Code: PCERPVACC07

Credits: 4

#### Learning Outcomes:

This value-added course will enable the student teachers to:

- Explain the phases of various instructional strategies.
- Prepare lesson plans based on the theory.
- Execute lesson plans in simulated mode.
- Apply individualized learning approach as a self-study method.

#### Course Content

##### Module 1: Social Cognitive Approach

Credit-1

- a. Role Play
- b. Co-operative Learning
- c. Jurisprudential Model
- d. Constructivist approach

##### Module 2: Information Processing Models

Credit-1

- a. Concept Attainment Model
- b. Inductive Thinking Model
- c. Inquiry Training Model
- d. Information transfer model

##### Module 3: Individualized Learning approach

Credit-1

- a. Problem-Based Learning
- b. Infographics
- c. Mind Mapping/ Concept Mapping
- d. Dialogic Learning

##### Module 4: Task/ Assignments

Credit-1

- Prepare lesson plans and present on any two approaches each from first and second modules.
- Prepare and submit assignments on the given self-study material based on any two approaches given in the module 3.



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### **VALUE-ADDED CERTIFICATE COURSE THINKING & REASONING:**

Course Code - PCERPVACC08(3 Credits)



### **Certificate Course in Thinking & Reasoning:**

**Code: PCERPVACC08**

**Credits: 3**

#### **Course Learning Outcomes:**

After learning this module, the student teacher will be able to:

- develop information literacy and critical thinking abilities,
- develop reasoning skills so that they can analyse arguments, evaluate reasoning and develop reasoned arguments of their own
- develop conceptual thinking skills in order to explore ideas and their connections

#### **Course Content**

**Module 1: Introduction to Thinking and Reasoning [1 Credit]**

**Unit 1: Understanding Thinking and Reasoning**

- a. Definition and significance of thinking and reasoning skills
- b. Different types of thinking: critical thinking, creative thinking, and logical thinking
- c. The relationship between thinking and problem-solving

**Unit 2: Introduction to Logical Reasoning**

- a. Verbal Classification and Reasoning
- b. Number, Letter and Symbol Series
- c. Different types of logical reasoning (deductive and inductive)

**Module 2: Critical Thinking and Analysis [1 Credit]**

**Unit 3: Analyzing Information and Arguments**

- a. Strategies for analyzing and evaluating information
- b. Identifying bias and fallacies in arguments
- c. Developing skills to recognize and address inconsistencies

**Unit 4: Problem-Solving**

- a. Applying critical thinking to problem-solving
- b. Understanding and solving scenarios
- a. Analytical Reasoning





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### VALUE-ADDED CERTIFICATE COURSE

### Digital Skills for Teachers

Course Code - PCERPVACC09

(3 Credits)



### Certificate Course in 'Digital Skills for Teachers'

Code: PCERPVACC09

Credits: 3

#### Course Learning Outcomes:

After learning this module, the student teacher will be able to:

- To create awareness of Information Technology
- To deliver student teachers with a learning experience in instructional technology.
- To promote computer-based educational resources
- To develop the practical use of technology integration
- Develop the skills and confidence of student teachers in the appropriate and effective use of digital technology in teaching.

#### Course Content

#### MODULE I – Basic digital skills and Creations [1 Credit]

- a. Preparation of Word document, Excel-sheet, Google docs and Google sheets
- b. Preparation of PPT, Prezi, Use of drive to organize files
- c. Story Board, Speech notes, Spoken Tutorial
- d. Newsletters, digital portfolios, concept maps and Google forms

#### MODULE II – Online Video Conferencing, Digital Resource creation and digital safety [1 Credit]

- a. Google meet, Microsoft teams, Zoom meet
- b. YouTube, Blogs, Google classroom
- c. Kahoot, H5P, Creating and editing video lessons, Jam board, Mentimeter.
- d. Copyrights, Plagiarism, Cyber bullying

#### MODULE III – Tasks and assignments [1 Credit]

1. Create a Spoken Tutorial for any one pedagogy lesson.
2. Create your own digital portfolio and upload your work.
3. Create a lesson using Kahoot, H5P, jam board and mentimeter as tools in teaching and learning.
4. Create a Google classroom. Select a theme/ concept/ topic and upload textual material, PowerPoint presentation and extra reading material from creative commons based on it in the classroom.



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### **VALUE-ADDED CERTIFICATE COURSE**

#### **Yoga for Well Being**

Course Code - PCERPVACC10 (3 Credits)



#### **Certificate Course in Yoga for well being**

**Code: PCERPVACC10**

**Credits: 3**

**Duration: 36 Hours**

#### **Course Learning Outcomes:**

After learning this module, the student teacher will be able to:

- Develop an understanding of Yoga Practices in daily life
- Analyse the role and importance of Yoga
- Apply Yogasana, Pranayama and Dhyana for healthy living
- Inculcate values of self-love and self-care
- Develop values of self-control and self-discipline in their day to day life
- Manage stress effectively.

#### **Course Content**

##### **Module 1: Introduction to Yoga and Yogic Practices [1 Credit]**

- a. Yoga: History, Origin and Development
- b. Principles of Yoga and Practices of healthy living
- c. Concept and Principles of Yogasana and Pranayama
- d. Dhyana and its significance in health and well being

##### **Module 2: Yoga for Wellness [1 Credit]**

- a. Yogic concept of health and wellness
- b. Salient features and role of Yoga Practices for well being
- c. Health benefits of Suryanamaskara, Asanas and Pranayama
- d. Role of Yoga in management of non-communicable diseases and stress

##### **Module 3: Tasks and assignments [1 Credit]**

- a. Demonstrate any five Yoga Asana and share its benefits
- b. Practice Suryanamaskara and Pranayama.



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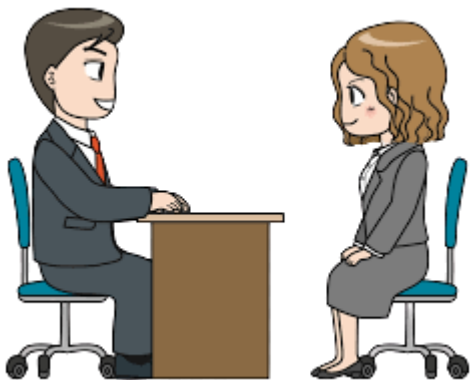
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### VALUE-ADDED CERTIFICATE COURSE

## 'INTERVIEW ETIQUETTES'

Course Code – PCERPVACC11 (3 Credits)



### Certificate Course in 'INTERVIEW ETIQUETTES'

Code: PCERPVACC11      Credits: 3      Duration: 36 Hours

#### Course Learning Outcomes:

After learning this module, the student teacher will be able to:

- Understand the difference between CV, Biodata and Résumé.
- Understand the purpose of Résumé and its trends.
- Tailor the Résumé for specific jobs.
- Develop suitable cover letters.
- Create a professional Résumé.
- Understand the importance of Interview Etiquettes.
- Prepare for an interview.
- Develop confidence in demonstrating effective verbal and non-verbal communication skills.
- Understand the dress code for facing interviews.

#### Course Content

##### Module 1: Résumé Writing [1 Credit]

- a. Curriculum Vitae, Biodata, Résumé (*Meaning and difference between them.*)
- b. Purpose and structure of Résumé.
- c. Trends in Résumé (*Reviewing sample Résumés*)
- d. Tailoring the Résumé for different jobs applications.
- e. Cover letter (*Meaning and structure.*)

##### Module 2: Interview Etiquettes [1 Credit]

- a. Importance of interview Etiquettes.
- b. Preparing for the interviews.
- c. Non-Verbal communication.
- d. Verbal communication (*Introduction and presentation, answering tricky questions and raising right questions*).
- e. Dress code for interviews.

##### Assessment activity: [1 Credit]

- Individual activity – Create a Résumé along with a cover letter.  
Group activity – Role Playing and Mock interviews.



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### VALUE-ADDED CERTIFICATE COURSE

### VALUE EDUCATION & PROFESSIONAL ETHICS

Course Code – PCERPVACC12 (36 HOURS)



Ethics



Values



Attitude

### Certificate Course in Value Education & Professional Ethics Code: PCERPVACC12

Duration: 36 hours

#### Learning Outcomes of the Course

- 1) Acquire an understanding of ethical principles, values relevant to the teaching profession.
- 2) Explore ways to integrate core values such as, self-reflections, integrity, fairness, empathy, respect and responsibility into teaching practice and life.
- 3) Understand professional codes of conduct and ethical leadership in the teaching profession.

#### Course content:

##### MODULE 1: Value education in the teaching profession.

- a. Meaning of values & value education
- b. Core Values in Education
- c. Principles of Value Education

##### MODULE II: Pillars of Value Based Education

- a. Developing a positive sense of self,
- b. Feeling connected to others,
- c. Living with purpose and meaning,
- d. Being resilient,
- e. Having a growth mindset,
- f. Valuing relationships, and
- g. Making a positive contribution to society.

##### MODULE III: Professional Ethics

- a. Meaning and importance of professional ethics
- b. Code of Conduct as a student and at the workplace
- c. Ethical Leadership and teacher as a Role Model.

Maintain a record of the activities carried out in this course.



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### VALUE-ADDED CERTIFICATE COURSE

## COMPUTER APPLICATIONS IN RESEARCH

Course Code – PCERPVACC13 (3 Credits)



### Certificate Course in COMPUTER APPLICATIONS IN RESEARCH

Code: PCERPVACC13

Credits: 3

#### Course Learning Outcomes

After learning this module, the student teacher will be able:

- To explain the use of computer & internet in research
- To use various computer applications in research
- To carry out statistical functions using excel/online
- To format a research report as required

#### Course Content

**Module 1** **1 credit**

**Unit 1: Role of computers & internet in the Conceptual Phase**

1. Computers & internet in literature review
2. Computers & internet in formulation of topic & theoretical framework

**Unit 2: Role of computers & internet in the Design & Planning Phase**

1. Presenting the paradigm of research design
2. Computers for sample size calculation
3. Computers in preparation of tools & tool validity
4. Computers in pilot study & calculating reliability

**Module 2** **Credit: 1**

**Unit 3: Role of computers & internet in Empirical phase & Data Processing**

1. Use of computers in data storage (files, folders).
2. Use of excel in data entry (classification & coding), data editing and data management.
3. Use of excel & online tools in statistical analysis of data.
4. Creation of tables, graphs & interpretation of results.

**Unit 4: Role of computers & internet in Report writing phase**

1. Formatting the research report.
2. Inserting section breaks & page numbers.
3. Auto creating the Index Page/Table of Contents.
4. Preparation of Bibliography.

**Task:**

**Credit:1**

Submit a research paper with auto-created table of contents & hyperlinking references.



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### VALUE-ADDED CERTIFICATE COURSE

## Drama & Dance as Pedagogy

Course Code – PCERPVACC14

(4 Credits)



### Certificate Course in 'Drama & Dance as Pedagogy'

Code: PCERPVACC14

Credits: 4

#### Course Learning Outcomes:

After learning this module, the student teacher will be able to:

- To develop an understanding of the History and development of drama
- To develop creativity and expression in students, allowing them to explore different emotions, ideas, and perspectives through movement and performance.
- To develop an understanding of the dances of India
- To enhance the use of dance in pedagogy and bring about inclusiveness
- To develop an understanding of Indian and western music
- To incorporate cultural elements providing students with a deeper understanding of different cultures and traditions.
- To develop the aesthetic sense through an understanding of the various performing art
- To develop the skill of integrating dance and drama in the curriculum

#### Course Content

##### Drama and Dance as pedagogy

[4 CREDITS]

##### Unit 1: History and development of Drama

Four Spoken tutorial videos – Self study

Prepare a drama on a classic theme – One act play

##### Unit 2: Use of Drama as pedagogy (inclusiveness)

Four Spoken tutorial videos – Self study

Prepare role play/street play based on the curriculum

##### Unit 3: Dances of India (Classical & Folk)

Two Spoken tutorial videos – Self study

Prepare a group dance on classical or folk theme

##### Unit 4: Concept of Indian and western music

Three Spoken tutorial videos – Self study

Create an original piece of music - vocal, prayer, patriotic song, folk song.

##### Assessment on theory

16 objective type questions (16 Marks)

##### Assessment Activities

Individual or group Activity (32 Marks)

Presentation of drama/act will be done in groups of 10 students.



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### VALUE-ADDED CERTIFICATE COURSE

#### Craft as Pedagogy

Course Code – PCERPVACC15

(4 Credits)



#### Certificate Course in 'Craft as Pedagogy'

Code: PCERPVACC15

Credits: 4

##### Course Learning Outcomes:

After learning this module, the student teacher will be able to:

- To develop an understanding of History and development of Craft
- To develop the skill of integrating craft in the curriculum
- To enhance the use of Craft as a pedagogy in creating inclusiveness Gandhiji's Nai Talim
- To develop an appreciation for the value of handmade objects and the artistry behind them
- To develop aesthetic sense using various materials and techniques in craft creation

##### Course Content

**Module 1: Craft as pedagogy**

[4 CREDIT]

**Unit 1: History and development of Craft**

**Three Spoken tutorial videos – Self study**

Prepare an artefact based on ancient craft skill (any 1 from the list)

Handicraft and Decorative crafts (*basketry, furniture making, stained glass, metalwork, gilding, stencilling, toy making, candle making, wood work, bamboo work, embroidery, ceramic making, Knitting, weaving, dyeing, quilting, and applique.*)

(Concept, its different aspects, techniques to prepare, state-wise items, video links)

**Unit 2: Use of Craft as a pedagogy (inclusiveness, Gandhiji's Nai Talim)**

**Two Spoken tutorial videos – Self study**

Prepare craft items that can be made in the classroom (any two from the list)

*Utility items like pen/pencil making, Basket weaving, Book-binding, Doll-making, crown making, Jewellery-making, Model-making, Tattoo Designing, Toy-making, ekabena (flower arrangement).*

**Unit 3: Craft as a means of aesthetic development**

**Two Spoken tutorial videos – Self study**

Prepare craft items (any one) based on:

**Fashion craft-** covers all elements of dressing, such as garments, jewellery, shoes, hats, bags, belts, and wallets.

**Functional crafts-** decorative pottery involves the creation of utensils that are suitable for daily use.

**Unit 4: Craft as a cultural heritage**

**Two Spoken tutorial videos – Self study**

Prepare craft item (any 1 from the list) - handicraft, puppet, masks, parabolic architecture

**Assessment on theory**

16 objective type questions (16 Marks)

**Assessment Activities**

Individual or group Activity (32 Marks)



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### VALUE-ADDED CERTIFICATE COURSE

## Computer Art in Teaching Pedagogy

Course Code – PCERPVACC16

(4 Credits)



### Certificate Course in 'Computer Art in Teaching Pedagogy'

Code: PCERPVACC16

Credits: 4

#### Course Learning Outcomes:

After learning this module, the student teacher will be able to:

- To develop an understanding of History and development of computer art/graphics
- To develop the skill of the use of computer art in teaching pedagogy
- To develop the skill of the use of Computer animation depicting art and culture
- To develop an understanding of the use of ready-made Computer apps to enhance knowledge
- To foster creativity and explore new ideas and perspectives through the use of computer art/graphics

#### Course Content

**Module – Computer art in teaching pedagogy** [4 Credit]

#### Unit 1: History and development of computer art/graphics

Five Spoken tutorial videos – Self study

Prepare any object drawing using computers (any 1 from the list)

*(MS-Paint, Canva, Picassa, Corel Draw, MS-word background, 3D-Sketch)*

#### Unit 2: Use of computer art in teaching pedagogy (inclusiveness)

Five Spoken tutorial videos – Self study

Prepare an activity-based teaching plan using any one from the given list.

*(Mentimeter, Kahoot, Prezi, GeoGebra, Speechnotes, Giphy, Customise themes)*

#### Unit 3: Computer animation depicting art and culture

Four Spoken tutorial videos – Self study

Prepare a short lesson of 10 minutes using: (anyone from the list)

*(Powtoon, Animaker, Render forest)*

#### Unit 4: Use of ready-made Computer apps to enhance knowledge

Four Spoken tutorial videos – Self study

Create original images for story board for a value-based lesson.

Give a Brief Description of the use of any 2 readymade apps like Grammarly, BBC-English, GeoGebra, G-Earth, G-Maps, Star Walk - Astronomy Guide, NASA, Lingokids or kutuki

#### Assessment

16 objective type questions (16 Marks)

Individual or group Activity (32 Marks)