



NAAC 2025



KIRF 2025



ST. THOMAS COLLEGE OF TEACHER EDUCATION, PALA

KOTTAYAM (DT.)-686575, KERALA, INDIA

Re-accredited at A+ Grade by NAAC

Affiliated to Mahatma Gandhi University, Kottayam, Kerala, India

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VALUE ADDED COURSES

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STCTE VAC 001: ADOLESCENT COUNSELLING

STCTE VAC 002: HUMAN RIGHTS

STCTE VAC 003: AEROBICS

STCTE VAC 004: YOGIC PRACTICES

STCTE VAC 005: VALUES AND PEACE

STCTE VAC 006: RESEARCH AND PUBLICATION ETHICS

STCTE VAC 007: DIABETES CARE EDUCATION

STCTE VAC 008: PRO-ACTIVE GENDER RESPONSIBILITY

STCTE VAC 009: ONLINE ASSESSMENT TOOLS

STCTE VAC 010: BOTTLE ART

**STCTE VAC 011: EDTECH ESSENTIALS: TOOLS AND STRATEGIES
FOR THE 21st CENTURY CLASSROOM**

About the College



The St. Thomas College of Teacher Education, Pala was established in 1957 as one of the pioneer institutions in the field of teacher education. The college was accredited with Four Star level in 2000, A+ in 2007 and again re-accredited with an A grade in 2014 (3rd Cycle) by NAAC. The college secured A⁺ in the 4th Cycle in 2025. Our College is quite uncompromising in providing the students with the best amenities. The College was started to meet a precise need, that is to train teachers for the secondary and higher secondary schools in our country. The institution is owned and run by the Catholic Diocese of Palai, and affiliated to the Mahatma Gandhi University, Kottayam.

VALUE ADDED COURSES

Value Added Courses are short term certificate courses offered by the college to bridge the gap between the academic and professional needs of the students. No university curriculum can adequately cover all areas of importance or relevance. The courses supplement the curriculum to make students better prepared to meet their professional demands as well as develop their own interests and aptitudes. These courses are career and skill enhancing courses that empower the students beyond their domain of study. Our college offers following courses (for B. Ed and M. Ed) which are conducted after class hours or during semester breaks

STCTE VAC 001: ADOLESCENT COUNSELLING

CONTACT HOURS: 30

Course Objectives:

1. To understand the place of Adolescence in the Life Span: the Transitional Years
2. Enhance knowledge about nature, types, need and goals of Counselling
3. To understand the process of responsible Adolescent Counselling
4. Enhance knowledge about Counselling Skills and Ethical issues in Counselling

Course Outcome:

1. Teacher trainees examine and understand adolescent's feelings, emotions, problems and needs, so that they can manage the adolescents in their classroom situations.
2. The development of the individual so as to promote her/his happiness and responsible behaviour
3. Teacher trainee learn how to conduct Counselling effectively with adolescents and to make wise decisions on matters connected with adolescent Counselling
4. Increase the knowledge level about the ways and means of mental health, personality development of adolescents through Counselling.

MODULE I: Adolescent Development

- 1.1 Meaning and Definition
- 1.2 Early Adolescence (12-14 years), Middle Adolescence(14-17 years), Late Adolescence (17-19 years)
- 1.3 Characteristic of Adolescence- Natural Attraction, Love, hate, independence, adventure, Trends and Stresses in Adolescent Development

MODULE II: Adolescent Counselling

- 2.1 Meaning and Definition, Nature of Counselling-Counselling and Psychotherapy
- 2.2 Elements and Principles of Counselling
- 2.3 Types of Counselling, Goals of Counselling For better Living

MODULE III: Counselling Process

- 3.1 Preparation of Counselling, Pre- Counselling Interview
- 3.2 Counselling Process in Directive-Non Directive and Eclectic approach
- 3.3 Physical Setting for Counselling

MODULE IV: Counselling Skills

- 4.1 Three Stage model of Counselling Skills
- 4.2 Different skills of Counselling- relational skills, attending skills, Listening skills and Primary level Empathy

MODULE V: Challenges and Possibilities of Adolescent Counselling

- 5.1 Ethical Issues in Counselling- Confidentiality, Transference and Counselling Relationship, Competence, Referral, Client protection, Client autonomy, Non- Malfasance, Beneficence, Justice and Fidelity
- 5.2 The Delinquent Adolescent, Personality Development and Self Fulfillment

References:

- Meese, Judith L. (2004). Child and Adolescent Development for Educators. (3rd edition. Mc Graw Hill, USA) Nielsen, Linda, (1996). Adolescence: A Contemporary View, (3rd edition) Harcourt Brace College Publishers.
- Ullman, C.A., 1952. Identification of Maladjusted School Children: A Comparison of Three Methods of Screening. Public Health Monographs, No.7. Washington, D.C.: Government Printing Office.
- Vasanth R. Patri "Counselling Psychology", New Delhi, Indian Institute of Counselling.
- Winkler, J.B., 1999. "Age Trends and Sex Differences in the wishes, identifications, Activities, and Fears of Children", Child Development, pp.191-200

STCTE VAC 002: HUMAN RIGHTS

CONTACT HOURS: 30

Course Objectives:

1. To understand the importance of human rights and duties and nature of human dignity.
2. To develop a positive attitude towards the movement for human rights workers for human rights, and agencies related to human rights conscientisation.
3. To develop social skills like respect for others, respect towards law, values, customs etc.
4. To develop skills to organize extension activities for conscientising general public

Course Outline:

MODULE I: Understanding Human Rights (6 hours)

- 1.1 Human rights-meaning, definitions.
- 1.2 Need and importance of Human Rights
- 1.3 Principles of Human Rights

MODULE II: Human Rights Declaration And Constitutional Provisions (6 hours)

- 2.1 UHDR –1948
- 2.2 Human Rights concept in Indian constitution.
- 2.3 Rights of the child

MODULE III: Human Rights Education (6 hours)

- 3.1 Meaning of Human Rights education.
- 3.2 Human Rights Education –Methodology
- 3.3 Correlation of human rights education with daily life activities
- 3.4 Celebration of nationally and internationally important days related to Human rights.

MODULE IV: Violations Of Human Rights (6 hours)

- 4.1 Patterns of Human Rights violations and abuses.
- 4.2 Racial discrimination
- 4.3 Remedial measures for Human Right violations

MODULE V: Contributions Of Local, National And International Bodies (6 hours)

- 5.1 National level: Specialized agencies, law commission, SC/ST commission, minority, commissions and women's commission.
- 5.2 State level: Consumer courts and corporations, state level Human rights commission
- 5.3 Professional councils: Press and associations

References:

- Cingranelli, D.L., ed., Human Rights: Measurements and Theory (London: Macmillan, 1988)
- Sanajaoba, N., Human Rights in the New Millennium (New Delhi: Manas Publications, 2000)
- Mohanti, Jagan Nath, Human Rights Education (New Delhi: Deep and Deep, 2000).
- UN Centre for Human Rights, United Nations Reference Guide in the Field of Human Rights (New York: UN Publication Division, 1993).
- Reddy, G.L., Thankachan T.C., Alex George & Shylaja M (2015) Human Rights Education, Neelkamal Publishers: Hyderabad.
- UN Human Rights: Questions and Answers (New York: UN Publication Division, 1987).

STCTE VAC 003: AEROBICS

CONTACT HOURS: 30

Course Objectives:

1. To gain cardiovascular endurance, improved body composition, increased flexibility, increased muscular strength.
2. To provide students with an experience and knowledge of aerobics dance.
3. To learn the principles of healthy eating, exercise and lifestyle choices.
4. To motivate students to lead a healthier life, one that includes regular aerobic exercise.
5. To learn the rules, fundamentals, skills and strategies of aerobics.
6. To understand how Kinesiology relates to a healthy individual lifestyle.

Course Outcome:

1. Attain proper level of Physical fitness
2. Increase the energy level and mental clarity
3. Improve the efficiency of cardiovascular system
4. Attain optimum body weight by burning out the excess fat
5. As teacher educators, students could be able to transact the practice of aerobics to students and the community in general.

Course Outline: PART ONE Theory (15 Hours)

MODULE I: Physical Fitness

- 1.1 Physical Fitness - Components and Principles
- 1.2 Exercise - Aerobic and Anaerobic Exercises
- 1.3 Benefits of aerobics - Effect of aerobic exercise on circulatory and - components and Principles of physical fitness

MODULE II: Aerobic Exercises

- 2.1 Exercise Aerobics and Anaerobic Exercises - Benefits of aerobics
- 2.2 Effect of aerobic exercise on circulatory and respiratory systems - Target Heart rate zone

MODULE III: Aerobics and weight control

- 3.1 Target Heart rate zone
- 3.2 Aerobics and weight control Posture - Flexibility - Warm up and cool down
- 3.3 Nutrition and weight control - Rhythmic aerobics; variations and styles.

PART II Practical (15 Hours)

Section 1 - Warming up

Section 2 - Stretching Exercises - Breathing Exercises - Marching - Right march - Left march

Section 3 - 'v'clap - 'v'Jump clap-'v'Rotation -'v'Big and small - In and out-Curl -Curl variety

Section 4 - 'L'-'A' -Grape wine - Mambo - 1-2-3 tap - 1-2-3 up - Diamond - Cool down Exercises.

STCTE VAC 004: YOGIC PRACTICES

CONTACT HOURS: 30

Course Objectives:

1. To understand the fundamental principles of yogic practices and its scientific basis.
2. To study the effect of asana on selected systems in the body.
3. To acquire the knowledge and training of the individual physical, mental, social and spiritual concepts.
4. To promote positive health and prevention of stress related health problems.
5. To invoke scientific altitude and team spirit .to channelize their energies into creative/constructive endeavors

Course Outcome:

1. Increase the flexibility of the body.
2. Attain optimum body weight
3. Adjustment of good Health Practices especially in food habits
4. Attainment of discipline in life
5. Admire the ideals of Ancient sages
6. Teacher trainees will be able to transact these to wider spectrum consisting of teacher community, students and the society in general.

Course Outline:

PART ONE Theory (15 Hours)

Section-1: Meaning & Importance of Yoga, Importance of Precautions of Place, Time and Food. Helpful and disturbing aspects during practice of yoga.

Section-2: Various Kinds of yoga:-Bhakti Yoga, Karma Yoga, Hatha Yoga & Ashtang Yoga.

Section-3: Asana - sitting postures - standing postures - supine postures - Abdominal postures - Hand postures - Kneeling Postures - Surya Namaskara

Section-4: Chakras and their importance, pranayama and importance Section-5: Yoga and Diet ,Different types of foods, naturopathy and life styles

PART II Practical (15 Hours)

1. Surya Nasmaskara
2. Asana- Vajrasanam-yogamudra-poorna-Yogamudra - Gorekshasanam - Vakrasanam - Merudedasanam - sethubenthanasanam - Dolasanam-Nowkasanam-Vipareethamerudendasanam-Makarasanam-oorthapadahastanamDhanurasanam - Vrikshasanam - Bethakonasanam _ Anandasanam Banasanam-Nadarajasanam - Padahasthasanam Thrukasanam -Thrikonasanam - Vipareeth thrikonasanam- Ardha chandrasanam - sarvangasanam - padmasanam – savasanam.
3. Pranayama - Bhramari, Kapalabhati kriya, Anulomaviloma, swasanakriya
4. Mudra - Mahamudra , Mahabandha , Viparitkarani , Shambhri , Kaki

References

Gupta S.N.Dass, Yoga Philosophy
Dr.Bhardwaj Ishwar, Upanishdhik & Adhyatmik Yigyan
Swami Kuvalayananda, Hathyog Preedipika
Mukherjee, Wishvananth, Bharat Ke Mahaan Yogies
Panda, N.C, Mind & Super Mind

STCTE VAC 005: VALUES AND PEACE

CONTACT HOURS: 30

Course Objectives:

1. To acquire the knowledge of Nature, concepts, aims and objectives of peace and value education.
2. To develop skill to integrate peace and value education in the present curriculum
3. To develop the attitude to appreciate the role of peace movement and contributions of world organizations
4. To develop attitude in promoting in value education

Course Outcomes:

1. Develop competencies and skills to integrate peace and value education in the present curriculum
2. Develop skills to adopt different strategies in values and peace education
3. Understand some practical approaches to teach peace education
4. Practice scientific models such as value analysis, peace value model, value clarification, etc.

Course Outline:

MODULE I: Value Education (6 hours)

- 1.1 Values: Meaning, definition, concepts - Need for value Education
- 1.2 Classification sources of values
- 1.3 Value Preferences and Values shift

MODULE II: Peace Education (6 hours)

- 2.1 Peace education – Meaning, Definition, Concepts, Scope
- 2.2 Aims and objectives– at different level of Education
- 2.3 Relevance of Peace Education in the present global scenario.

MODULE III: Promoting Culture Of Values And Peace (6 hours)

- 3.1 Culture of Values, Morality and Ethics
- 3.2 Reflective Morality-Moral male and Moral female
- 3.3 Culture of peace – Fostering culture of peace through education

MODULE IV: Peace Movement (6 hours)

- 4.1 Gandhiji's contributions to peace movement and Non – Violence
- 4.2 Role of world organization in promoting peace.
- 4.3 Amnesty International –International Committee of Red cross –NGOs

MODULE V: Conflict Resolution (6 hours)

- 5.1 Bases of conflicts – Positive and negative aspects of conflicts – Types of conflicts
- 5.2 Conflict Resolution – Conflict Management
- 5.3 Activities and Models of Conflict Resolution: Peace Value Model and Value Analysis Model

References:

- NCTE (2000) Human Rights and Indian Values, New Delhi.
- Ruhela, S. P. (1968). Human Values and Education. New Delhi: Sterling Publishers.
- Thankachan T.C., (2009). Philosophical and Sociological Bases of Education. Kottayam: V.Publishers. Bhatt, S.R. (1986) Knowledge, Value and Education: an Axiomatic Analysis, Delhi: Gain Publishing House. Thankachan, T. C. (2009). An Introduction to Value Education, Pala: UGC Major Research Project, STCTE.
- UNESCO (2001). Learning the Way of Peace. A Teachers' Guide to Education for Peace. New Delhi: UNESCO. UNESCO (2005). Peace Education Framework for Teacher Education. New Delhi: UNESCO

STCTE VAC 006. RESEARCH AND PUBLICATION ETHICS

CONTACT HOURS: 30

Course Objectives:

1. Understand the research process, scholarly communication systems, and information retrieval tools.
2. Develop academic writing and publishing skills aligned with scholarly standards.
3. Apply ethical principles in research, avoid plagiarism, and identify legitimate publishing platforms.

Course Outline:

MODULE I: Foundations of Research and Scholarly Communication

- 1.1 Introduction to research and scholarly communication
- 1.2 Literature search and retrieval techniques
- 1.3 Academic search engines and databases

MODULE II: Accessing and Sharing Scholarly Resources

- 2.1 Open Access vs. Closed Access resources
- 2.2 Academic social networks
- 2.3 Research Support through INFLIBNET
- 2.4 AI tools for retrieving scientific papers

MODULE III: Scholarly Publishing and Evaluation

- 3.1 Importance and characteristics of academic writing
- 3.2 Types of academic writing
- 3.3 Basic rules of academic writing

MODULE IV: Finding, Accessing and Evaluating Information (6 hours)

- 4.1 Overview of the scholarly publication process
- 4.2 Journal identification and selection strategies
- 4.3 Understanding peer review: types and process
- 4.4 Journal metrics and author metrics

MODULE V: Ethics and Integrity in Research

- 5.1 Research and publication ethics
- 5.2 Copyright laws, fair use, Creative Commons licenses
- 5.3 Intellectual Property Rights (IPR)
- 5.4 Plagiarism: definitions, types, and consequences
- 5.5 Tools and techniques to avoid plagiarism
- 5.6 Predatory and cloned journals: features and risks

References:

- Booth, W. C., Colomb, G. G., & Williams, J. M. (2016). *The craft of research* (4th ed.). University of Chicago Press.
- Day, R. A., & Gastel, B. (2016). *How to write and publish a scientific paper* (8th ed.). Cambridge University Press.
- Kothari, C. R., & Garg, G. (2019). *Research methodology: Methods and techniques* (4th ed.). New Age International.
- Murray, R. (2017). *Writing for academic journals* (3rd ed.). Open University Press.
- Powell, R. R., & Connaway, L. S. (2017). *Basic research methods for librarians* (6th ed.). Libraries Unlimited.
- Shamoo, A. E., & Resnik, D. B. (2015). *Responsible conduct of research* (3rd ed.). Oxford University Press.
- American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). APA.

STCTE VAC 007: DIABETIC CARE EDUCATION

CONTACT HOURS: 30

Course Objectives:

1. To understand the significance health and health care education and check the life style diseases.
2. To understand the need and significance of diabetes care education in schools and colleges.
3. To understand the importance of exercises in diabetes control and help people to perform exercises suited to their physique.

Course Outcomes:

1. Develop an understanding of the goals of health care education and role of Diabetic Care Education
2. Understand the different types of diabetes and their treatment, precautions and role of education.
3. Understand right diabetes dieting and concientize people for healthy dieting.
4. Understand the importance of exercises in diabetes control and help people to perform exercises suited to their physique.
5. Constitute and manage health care teams in educational institutions.

Course Outline:

MODULE I: Health and Life Style Diseases (6 hours)

- 1.1 Health, Health care and Health hazards
- 1.2 Health, Health care and Health hazards
- 1.3 Diabetes – Kerala context – diabetes literacy - Need and significance of diabetes care education in schools and colleges.

MODULE II: Types of Diabetes (6 hours)

- 2.1 Type 1 Diabetes – Symptoms, causes, treatment and education
- 2.2 Type 2 Diabetes – Symptoms, causes, treatment and education
- 2.3 Diabetes treatment – Insulin and other treatments

MODULE III: Problems of Diabetes (6 hours)

- 3.1 Eye Diseases – Foot Problems – Kidney Diseases, Stroke and Heart attack
- 3.2 Diabetes and Psycho-Physical challenges
- 3.3 Psychological problems of a diabetic.

MODULE IV: Coping with Diabetes and Diabetic Dieting (6 hours)

- 4.1 Diabetic Diet – Vitamins and minerals – safe and adequate intake of protein
- 4.2 Preparation of the food source calendar of vitamins and minerals and time table
- 4.3 Healthy food habits for weight management

MODULE V: Exercise, Diabetic Care and Evaluation (6 hours)

- 5.1 Flexible Exercises – Aerobic Exercises - Strength Exercises
- 5.2 What to do before exercises – duration of exercise – Problems of hard exercises.
- 5.3 Diabetes care education - role of teacher educators and teachers- Constituting Health Care Teams in educational institutions - Evaluation of Health Care facilities in educational institutions.

References:

- Balan, K. (2000). Health for all by 2000 A.D. – New Delhi: Ashish Publishing House.
- David S. Schade (2001). Tips for Staying Healthy (2nd ed.), Alexandria: American Diabetic Association.
- Haag, Jessie H. (1986) School Health Programme, Calcutta: Oxford and IBH Co.
- Karen Lombardi Ingle. (2000). Diabetes A to Z, Alexandria: American Diabetic Association.
- Kirtani, Reema; A. Z. (2002) Handbook of Diet and Exercise. New Delhi: Khel Sahitya Kendra.
- William H. Polonsky (2001). Diabetes Burnout: What to Do When You Can't, Take it Anymore, Alexandria: American Diabetic Association.

STCTE VAC 008: PRO-ACTIVE GENDER RESPONSIBILITY

CONTACT HOURS: 30

Course Objectives:

1. To understand the pro-active gender notions in the present scenario.
2. To understand the need and significance of gender responsibility.
3. To understand the role of educational institutions in promoting positive gender concerns

Course Outcomes:

1. Develop pro-active gender attitudes among all and become right gender models
2. Undertake gender responsibility through respecting and accepting the other gender.
3. Follow healthy gender relations.
4. Constitute morality-based gender society.

Course Outline:

MODULE I: Introduction (6 hours)

- 1.1 Gender and Pro-active Gender Responsibility - Equality and Social Justice
- 1.2 Attitude towards male, female and transgender
- 1.3 Role of educational institutions for pro-active gender responsibility.

MODULE II: Moral Dimensions of Gender Responsibility (6 hours)

- 2.1 Gender and Discrimination
- 2.2 Gender, Development and Ethics - Gender Responsibility and Morality
- 2.3 Reflective Morality – Moral male and Moral female

MODULE III: Gender and Society (6 hours)

- 3.1 Positive change in Gender perspectives
- 3.2 Gender responsibility and Media influence
- 3.3 Sociological dimensions of Gender and related concepts

MODULE IV: Dealing with Gender Issues (6 hours)

- 4.1 Family and Pro-active Gender responsibility
- 4.2 Family values: Respect, Cooperation and Love
- 4.3 Healthy behaviour and conflict management

MODULE V: Practical Dimensions (6 hours)

- 5.1 Moral Code of Conduct for Pro-active Gender Responsibility
- 5.2 Modelling and respecting the choice of others
- 5.3 Gender Care Teams in educational institutions – Grievance Redressal Mechanism

References:

- Dash B.N. (2002). Teacher and education in the emerging Indian society (2vol). Hyderabad: Neelkamal Pub.
- Delors, Jacques, et al; (1996). Learning: The Treasure within report of the international commission on education for 21st century, UNESCO.
- Dewey John (1900). The School and Society. Chicago: The university of Chicago Press.
- Freire, P. (1998). Pedagogy of freedom: Ethics, democracy, and civic courage. Rowman & Littlefield.
- MHRD, (1992), Programme of action. Govt. of India, New Delhi.
- MHRD, Gov. of India (1992), National policy on education (revised) New Delhi.
- Naik, J.P. (1975) Equality, quality and quantity: The elusive triangle of Indian education, Allied, Bombay.
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- NCTE (2000) Human Rights and Indian Values, New Delhi.
- NCTE (2009) National Curriculum Framework for Teacher Education, New Delhi.
- Thankachan T.C., (2009) Philosophical and Sociological Bases of Education, V. Publishers
- Thomas P.J, Mary Joseph and Thankachan T.C (2015). Gender School and Society, Jeevan Books, Kerala

STCTE VAC 009: ONLINE ASSESSMENT TOOLS

CONTACT HOURS: 30

Course Objectives:

1. Attain knowledge of the concepts of assessment and evaluation
2. Know the concept of e assessment
3. Familiarise with the online tools of assessment
4. Get hands own experience of the digital tools of assessment

Course Outline:

MODULE I: Introduction to Assessment (4 hours)

- 1.1 Assessment and Evaluation: Meaning and Definition
- 1.2 Role of Assessment in Learning
- 1.3 Types of Assessment

MODULE II: E-Assessment (5 hours)

- 2.1 Types of E-Assessment
 - Computer Based Assessment
 - Game Based Assessment
 - Mobile Based Assessment
 - E-Marking
- 2.2 Blooms Taxonomy (Digital)

MODULE III: E-Portfolio (5 hour)

- 3.1 E-Portfolio
- 3.2 Types of E portfolio: Developmental, Reflective, Showcase and Hybrid E-portfolios

MODULE IV: Online tools (6 hours)

- 4.1 Online tools for E-Assessment: Google Forms, Google Docs, Google Slide, Google Sheets
- 4.2 Kahoot, Hot potatoes, Quizzes, Slido.com, Poll everywhere, Mentimeter, Online Quiz creator, Book Widgets, Rubrics-Rubistar

MODULE V: Practical (10 hours)

- 5.1 Create different types of tests using different online assessment tools like; Google Forms, Google Docs, Google Slide, Google Sheets, Kahoot, Hot potatoes, Quizzes, Slido.com, Poll everywhere, Mentimeter, Online Quiz creator, Book Widgets, Rubrics-Rubistar, etc

References:

<https://kodosurvey.com/blog/blooms-taxonomy-levels-learning-complete-post>
<https://www.getsmarter.com/blog/research-hub/unpacking-blooms-taxonomy-part-3/F>
<https://www.cambridgeassessment.org.uk/our-research/areas-of-expertise/e-assessment/>
https://en.wikipedia.org/wiki/Electronic_assessment
<https://www.open.edu/openlearncreate/mod/oucontent/view.php?id=52694&printable=1>
<https://www.renaissance.com/2018/07/11/blog-criterion-referenced-tests-norm-referenced-tests/>
<https://www.edglossary.org>
<https://drive.google.com/file/d/0B71eETwWNocbchza3VxOUk0Q2s/view?usp=drivesdk>
<https://hotpot.uvic.ca/index.php>
<https://kahoot.com/blog/2018/06/14/how-to-create-quizzes-in-kahoot-app/>
<http://rubistar.4teachers.org/index.php>
<https://www.sli.do/> <https://www.poll everywhere.com/>
<https://www.mentimeter.com/>
<https://www.bookwidgets.com/>

STCTE VAC 010: BOTTLE ART

CONTACT HOURS: 30

Course Objectives:

1. To introduce the learners to the basic concepts, tools and techniques used in Bottle Art.
2. To understand the concept of sketching and drawing from natural and manmade objects and structures in various medium like pencil, pen, ink, paint, crayon, chalk, colour, etc on bottles.
3. To acquaint the learners with colour sense and its use in practical

Course Outcomes:

1. Understand and practice the art of upcycling
2. Develop skill in recycling products and solving pollution problems.
3. Raising economic demand by upcycling of waste products.
4. Alter or adapt the waste/used materials for new use.
5. Develop skill to turn waste materials into resources

Course Outline:

PART ONE: Theory (15 hours)

MODULE I: Concept of Bottle Art

- 1.1 Social, Economic and Aesthetic values
- 1.2 Importance of Bottle Art
- 1.3 Scope of Bottle Art

MODULE II: Methods and Techniques of Bottle Art

- 2.1 Thread work
- 2.2 Bottle painting
- 2.3 Bottle picture art

PART II: Practical (15 hours)

- Workshop on colour mixing, Thread work, Painting, Picture art, Bottle craft, etc and preparation of resources using waste materials

STCTE VAC 011: EdTech Essentials:

TOOLS AND STRATEGIES FOR THE 21ST CENTURY CLASSROOM

CONTACT HOURS: 30

Course Learning Outcomes:

1. Apply foundational frameworks (SAMR, TPACK) to plan and evaluate technology-integrated lessons.
2. Use Google Workspace tools (Docs, Slides, Sheets, Forms, Classroom) effectively for teaching and learning tasks.
3. Demonstrate competent use of AI tools for lesson planning, content creation, and real-time student assessment.
4. Create engaging digital instructional materials using multimedia, infographics, and interactive presentation tools.
5. Design technology-enhanced assessments, build a digital teaching portfolio, and engage in self-directed professional development

Course Outline:

MODULE I: Foundations of EdTech (6 hours)

- Concept and scope of edtech
- ICT vs. EdTech: distinctions and applications
- SAMR model: Substitution to Redefinition
- Digital divide, equity, and ethics in EdTech

MODULE II: Google Workspace for Education (7 hours)

- Google Docs: collaborative lesson planning and note-taking
- Google Slides: designing engaging classroom presentations
- Google Sheets: gradebooks, attendance, and data analysis
- Google Forms: quizzes, surveys, and feedback collection
- Google Classroom: setting up and managing a digital class

MODULE III: AI Tools for Real-Time Classroom Use (8 hours)

- Introduction to AI in education: opportunities and risks
- Prompt engineering for teachers: writing effective AI prompts
- AI for lesson planning: generating content, activities, and rubrics
- Formative assessment with AI: Quizify, Quizizz AI, Socratic
- Academic integrity, AI bias, and ethical use in classrooms

MODULE IV: Digital Content Creation and Classroom Integration (5 hours)

- Canva for Education: posters, worksheets, and infographics
- Video creation for flipped and blended classrooms
- Content curation tools: Wakelet, Pinterest for Education

MODULE V: Assessment, Feedback, and Professional Development (4 hours)

- Online assessment design: rubrics, portfolios, and e-portfolios
- Digital feedback tools: Loom video feedback, Google Classroom comments
- Building a digital teaching portfolio using Google Sites
- MOOCs and CPD: SWAYAM, Coursera, and Google for Education certificates

References:

- Bates, A. W. (2019). Teaching in a digital age: Guidelines for designing teaching and learning (2nd ed.). BCcampus. <https://opentextbc.ca/teachinginadigitalage/>
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- Christodoulou, D. (2016). Making good progress: The future of Assessment for Learning. Oxford University Press.
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