MCTE PATNA

MUNDESHWARI COLLEGE FOR TEACHER EDUCATION

SARARI,USRI-ROAD,KHAGAUL,PATNA

PLOs (Programme Learning Outcomes)

CLOs (Course Learning Outcomes)

Programme Objectives (PO) of B.Ed. at MCTE

1. Cultivating an Understanding of Higher Education Dynamics:

The B.Ed. program at MCTE is designed to help students understand the multifaceted nature of higher education, including the economic, social, political, and ethical factors that influence it. By exploring these dynamics, students are equipped to create a conducive learning environment that addresses the needs of diverse student populations. This objective ensures that future educators can navigate and adapt to the ever-changing landscape of education, fostering a learning environment that is inclusive and responsive to societal needs.

2. Instilling Social Responsibility:

MCTE places a strong emphasis on the social responsibilities of educators. The program encourages students to develop a deep understanding of their roles in society and their potential to contribute to positive change. This includes fostering awareness of local, national, and global issues and preparing students to be active participants in addressing these challenges. By instilling social responsibility, MCTE aims to produce educators who are not only knowledgeable but also committed to making a meaningful impact in their communities and beyond.

3. Ethical and Moral Development:

Ethical and moral considerations are at the heart of the B.Ed. program. MCTE encourages students to critically analyze and address moral and ethical dilemmas they may encounter in their professional lives. This objective aims to prepare students to uphold the highest standards of integrity in their roles as educators, ensuring that they can navigate the complexities of the educational environment with a strong ethical foundation. Graduates are expected to be role models who embody the values of honesty, fairness, and respect in their interactions with students, colleagues, and the community.

4. Enhancing Analytical and Logical Thinking:

The B.Ed. program at MCTE emphasizes the development of analytical and logical thinking skills. Students are encouraged to engage with real-world experiences and research opportunities that challenge their perspectives and enhance their critical thinking abilities. By fostering these skills, the program prepares students to approach educational challenges with a critical and

reflective mindset, enabling them to develop innovative solutions and contribute to the advancement of educational practices.

5. Professional Course Identification:

MCTE recognizes the importance of aligning students' career paths with their individual skills, interests, and aspirations. The program supports students in identifying professional courses and opportunities that are best suited to their strengths, ensuring a fulfilling and purposeful career in education. This objective aims to guide students in making informed decisions about their professional development, helping them to carve out a niche in the educational field where they can thrive and make a significant impact.

6. Leadership and Instructional Skills:

Developing leadership qualities and instructional capabilities is a key objective of the B.Ed. program at MCTE. Students are trained to take on leadership roles within educational settings, where they can influence and guide others. The program focuses on equipping students with the skills needed for effective negotiation, conflict management, and problem-solving. These skills are essential for creating a positive and productive learning environment and for leading educational initiatives that promote student success.

7. Communication Skills:

Effective communication is crucial for creating an engaging and productive teaching-learning environment. The B.Ed. program at MCTE places a strong emphasis on developing both oral and written communication skills. Students are trained to articulate their ideas clearly and persuasively, whether in the classroom, in written assignments, or when interacting with the broader educational community. This objective ensures that graduates are equipped to foster strong relationships with students, colleagues, and the community, contributing to a collaborative and supportive educational environment.

8. Evaluation and Assessment Competence:

The ability to evaluate and assess student learning outcomes is a critical skill for educators. MCTE's B.Ed. program equips students with the tools and techniques necessary for effective evaluation and assessment. This includes the ability to design and implement assessments that accurately measure student progress and provide valuable feedback for improving teaching methodologies. By mastering these skills, graduates are prepared to ensure that their students achieve the desired learning outcomes and are able to continuously refine their instructional practices.

9. Guidance and Counseling Ability:

MCTE recognizes the importance of providing comprehensive guidance and counseling to students. The B.Ed. program trains future educators to address the personal, academic, and vocational challenges faced by their pupils. This includes developing the skills needed to offer effective career guidance, as well as addressing personal and emotional issues that may impact a

student's ability to succeed. By fostering these abilities, MCTE ensures that its graduates are prepared to support the holistic development of their students, helping them to achieve their full potential.

10. Rational Decision-Making:

In the complex and dynamic field of education, the ability to make informed and rational decisions is essential. The B.Ed. program at MCTE encourages students to develop critical thinking and decision-making skills that will enable them to respond effectively to the challenges they will face as educators. This objective prepares graduates to approach their work with a balanced and thoughtful perspective, ensuring that they can make decisions that are in the best interests of their students and the educational community as a whole.

Programme Learning Outcomes (PLOs) for B.Ed

1. Professional Knowledge:

MCTE graduates will possess a robust foundation in the principles of teaching and learning. They will be able to apply this knowledge in diverse educational contexts, both nationally and globally. This outcome ensures that graduates are well-prepared to deliver high-quality education that meets the needs of a rapidly changing world.

2. Social Responsibility:

Upon completion of the B.Ed. program, graduates will have developed a deep appreciation for both Indian social values and international perspectives. This outcome empowers them to contribute to positive societal change, fostering a sense of responsibility towards the community and the world at large. Graduates will be prepared to address social issues through education, promoting equity, inclusivity, and justice.

3. Professional Ethics:

MCTE graduates will demonstrate a strong commitment to professional ethics, serving as role models within the educational community. They will uphold the highest standards of integrity, honesty, and fairness in their professional interactions, contributing to the overall quality of education and earning the trust and respect of their students, colleagues, and the community.

4. Professional Identification:

Graduates will recognize the value of their roles within the education system and will be able to communicate this value effectively to others. They will see themselves as integral members of the educational profession, both in India and internationally, and will be committed to advancing the field of education through their work.

5. Analytical Skills:

MCTE graduates will be proficient in analyzing teaching objectives, engaging in action research, and utilizing modern educational tools. This outcome ensures that they are capable of enhancing

their professional capabilities and contributing to the development of innovative educational practices that improve student outcomes.

6. Leadership Skills:

Graduates of the B.Ed. program will have developed strong interpersonal and leadership skills, enabling them to influence, negotiate, and lead others effectively within educational settings. This outcome prepares them to take on leadership roles, where they can guide and support their colleagues and contribute to the overall success of their institutions.

7. Communication Skills:

MCTE graduates will excel in both oral and written communication, which are essential for effective teaching and interaction within the educational community. This outcome ensures that they can articulate their ideas clearly, engage students effectively, and build strong relationships with colleagues, parents, and the broader community.

8. Evaluation Skills:

Graduates will be proficient in evaluating student learning outcomes, allowing them to refine their teaching strategies and improve educational practices. This outcome ensures that they can continuously assess and enhance the effectiveness of their instruction, leading to better student achievement and success.

9. Guidance Ability:MCTE graduates will be adept at providing career guidance and addressing the personal and academic challenges of their pupils. This outcome ensures that they can support the holistic development of their students, helping them to navigate their educational journeys and achieve their goals.

10. Rational Thinking:

Graduates will utilize rational thinking to make informed decisions, contributing to their effectiveness as educators. This outcome prepares them to approach their work with a thoughtful and balanced perspective, ensuring that they can respond to challenges and opportunities in a way that benefits their students and the educational community.

CC-01: Childhood and Growing Up

- ## Course objectives:

1. Gain comprehensive knowledge about child development.
2. Understand children's behavior and development by observing them in various social, economic, and cultural environments.
3. Examine the stages of childhood, including child development and adolescence.
4.   Apply different child development theories in practical scenarios.
5.   Recognize the influence of modern societal issues, such as marginalization (social, class, poverty, and gender) on child development.
6. Understand the role of family and educational institutions in shaping child development

- ## Course learning Outcomes:

1. Explain growth, development, and the characteristics of various stages of child Development.

2. Discuss the implications of child development theories in education.

3. Analyze the contributions of family, school, and society in child development.

4. Interpret the impact of social, cultural, and economic changes on child development.

5. Describe the effects of contemporary issues such as marginalization on the development of children.

CC -02 : Contemporary India and Education

- **Course Objectives:**

  1. Understand the philosophical, sociological, and psychological foundations of education.

  2. Analyze the influence of various educational philosophies on educational practices.

  3. Comprehend the role of education in promoting equality, democracy, and social justice.

  4. Examine the relationship between culture, society, and education.

  5. Understand the impact of globalization and technological advancement on education.

- **Course learning Outcomes:**

1: Explain the philosophical, sociological, and psychological foundations of education.

2: Analyze how various educational philosophies influence modern educational practices.

3: Distinguish the role of education in promoting social equality, democracy, and justice.

4: Explain the relationship between culture, society, and education.

5: Identify the impact of globalization and technological advancements on contemporary education.

CC - 03 : <u>Learning and teaching</u>

- **Course Objectives:**

1. Understand the concept, nature, and types of learning, as well as the factors that influence learning.

 2. Apply the knowledge of cognitive strategies and individual learning differences.

3. Implement various learning theories within a teaching-learning environment to enhance student understanding.

4. Comprehend the concept, features, and levels of teaching, along with related pedagogical concepts.

5. Analyze the different factors and variables affecting teaching and apply a social-constructivist approach in classroom settings.

- **Course learning Outcomes:**

1: Explain the concept, nature, and types of learning, and identify the factors that influence it.

2: Apply knowledge of cognitive learning strategies and address individual differences in learning.

3: Use various learning theories in practical teaching-learning environments to improve outcomes.

4: Explain the features and levels of teaching, and discuss related pedagogical concepts.

 5: Compare various teaching variables and apply the social-constructivist approach to classroom teaching.

CC-04: Language across the Curriculum

Course Objectives:

1. Promote Language Integration.
2. Enhance Communication Skills.
3. Support Critical Thinking.
4. Cross-disciplinary Language Awareness.
5. Collaboration and Group Communication.
6. Identify and address specific literacy challenges

Course Learning Outcomes:

1. Apply Language Skills Across Subjects.
2. Adapt Language Use to Different Disciplines.
3. Improve Academic Writing and Expression.
4. Engage in Subject-Specific Discussions.
5. Analyze and Interpret Texts Across Disciplines.
6. Collaborate in Multidisciplinary Settings.
7. Integrate knowledge from different subjects and express those connections through language

CC- 05 : Understanding disciplines and Subjects

- **Course Objectives**

1. Disciplinary Knowledge: To provide students with a comprehensive understanding of various academic disciplines and subjects within the curriculum.
2. Curricular Integration: To explore how different disciplines interrelate and how to integrate them effectively in teaching practices.
3. Pedagogical Strategies: To develop effective pedagogical strategies for teaching diverse subjects and addressing the unique challenges of each discipline.
4. Subject-Specific Skills: To enhance students' ability to design, implement, and assess lesson plans and instructional materials specific to different subjects.
5. Curriculum Development: To enable students to contribute to curriculum development and adaptation based on the understanding of various disciplines and subject areas.

- **Course learning Outcomes**

1. Disciplinary Understanding: Students will demonstrate a thorough understanding of the key concepts, content, and objectives of various academic disciplines.
2. Integrated Teaching: Students will effectively integrate multiple disciplines into cohesive lesson plans and teaching strategies.
3. Effective Pedagogy: Students will apply appropriate pedagogical techniques and methods tailored to different subjects and student needs.
4. Instructional Design: Students will design and evaluate instructional materials and lesson plans that align with subject-specific goals and standards.
5. Curriculum Contribution: Students will actively contribute to the development and adaptation of curriculum materials, reflecting a nuanced understanding of various disciplines.

CC- 06 : Gender School and Society

- **Course Objectives:**

    1. Explore the definitions and implications of gender and gender roles within societal contexts.
    2. Examine how educational environments, including schools, peers, educators, curricula, and textbooks, contribute to or challenge gender inequalities.
    3. Assess and address issues related to gender, sexuality, sexual harassment, abuse, and personal safety both in educational settings and at home.
    4. Understand and articulate the social construction of gender.

- **Course learning Outcomes:**

    1. Articulating the concepts of gender and gender roles and their impact on society.
    2. Evaluating and contrasting the influence of educational institutions, peer groups, teaching staff, curricula, and educational materials on promoting gender equality.
    3. Identifying, analyzing, and responding to issues surrounding gender, sexuality, sexual harassment, abuse, and safety in both school and home environments.
    4. Explaining the process and implications of gender being socially constructed.

Internal assessment paper

EPC - 01 : Reading and Reflecting on Texts

- ## Course Objectives:

1. To enable student-teachers to:

2. Understand the importance of reading and reflecting on diverse types of texts.

3. Apply strategies to write effectively with clarity, purpose, and coherence, including maintaining field notes.

4. Analyze, synthesize, and evaluate reading and writing skills along with content analysis.

- ## Course learning Outcomes:

1: Upon completion of the course, student-teachers will be able to:

2: Read and reflect on a wide range of texts critically and thoughtfully.

3: Develop structured writing strategies with a clear sense of purpose, including proper documentation through field notes.

4: Integrate and evaluate reading and writing skills, and apply content analysis in an educational context.

Internal assessment paper

EPC -02 Drama and Art in Education

- **Course Objectives:**

1. Understand the impact of drama on educational practices.
2. Explore how drama can drive social and educational transformation.
3. Utilize art and personal expression to foster creativity.
4. Recognize the value of cultural festivals, street theater, and innovative art forms.
5. Cultivate an appreciation for aesthetics in everyday life.

- **Course learning Outcomes:**
1. 1: Evaluate the influence of drama within educational settings.
2. 2: Describe how drama contributes to educational and social development.
3. 3: Apply artistic techniques and personal expression to boost creative skills.
4. 4: Articulate the role and significance of cultural events, street performances, and artistic innovation.
5. 5: Enhance one's aesthetic sensitivity in routine activities.

INTERNAL ASSESSMENT PAPER

EPC - 03: Critical Understanding of ICT

- **Course Objectives:**

1. Gain a comprehensive understanding of computers, including hardware components and software applications.
2. Apply computer skills to a range of activities and effectively integrate technology into instructional strategies.
3. Utilize MS Word, PowerPoint, and spreadsheets proficiently.
4. Navigate and retrieve information from the World Wide Web and the Internet effectively.
5. Employ ICT tools and relevant software applications strategically to enhance the teaching and learning process.

- **Course learning Outcomes:**

1. Demonstrate a thorough understanding of computer systems, their components, and software.
2. Apply computer skills to diverse tasks and seamlessly incorporate technology into teaching methods.
3. Exhibit proficiency in using MS Word, PowerPoint, and spreadsheets.
4. Skillfully access and utilize information from the Internet and the World Wide Web.
5. Choose and apply appropriate ICT tools and software to meet specific educational needs in the teaching and learning environment.

B.Ed. 2nd Year

CC - 08 : Knowledge and Curriculum

- **Course Objectives:**

1. Understand the concept of philosophy, education, and curriculum development.
2. Analyze the perspectives of Eastern and Western philosophers on education and their influence on curriculum design.
3. Comprehend the relationship between socialization, democracy, and individual freedom in shaping educational systems.
4. Understand the role of Indian cultural values and philosophy in shaping curriculum and their alignment with educational objectives.
5. Analyze the key factors influencing curriculum development and explain assumptions about society, the learner, and the purpose of education in relation to curriculum design.

- **Course learning Outcomes:**

1. Explain the concept of philosophy, education, and curriculum development.
2. Compare the perspectives of Eastern and Western philosophers on education and their impact on curriculum design.
3. Describe the relationship between socialization, democracy, and individual freedom in shaping education systems.
4. Describe how Indian cultural values and philosophy influence the curriculum and its relationship with educational aims.
5. Analyze the key factors that influence curriculum development and explain assumptions about society, learners, and the aims of education in relation to curriculum design.

CC - 09: Assessment for Learning

- **Course Objectives:**

1. Understand the concept of evaluation and assessment, including its purposes, objectives, and a critical review of current practices in educational evaluation.

2. Comprehend the significance of continuous and comprehensive assessment for learner development.

3. Apply various assessment tools and tasks to measure student competence and performance.

4. Analyze, organize, and interpret assessment data for informed decision-making in education.

5. Foster the habit of self-reflection and critical self-assessment to enhance teaching and learning effectiveness.

- **Course learning Outcomes:**

1. Explain the concept of evaluation and assessment, the purposes and objectives of evaluation, and critically review current evaluation practices.
2. Understand the importance of continuous and comprehensive assessment for student development.
3. Develop assessment tools and tasks to evaluate learners' competence and performance effectively.
4. Analyze, manage, and interpret assessment data to guide instructional decisions.
5. Cultivate self-reflection and self-assessment practices to improve personal and professional performance.

CC - 10 : CREATING AN INCLUSIVE SCHOOL

- ## **Course Objectives:**

1. Grasp the principles of special, integrated, and inclusive education.
2. Identify and address barriers to learning and participation faced by children with disabilities.
3. Evaluate the roles of different elements in advancing inclusive practices.
4. Understand the conventions, schemes, and provisions for inclusion outlined in the National Policy on Education 1986.
5. Apply knowledge of contemporary approaches to fostering inclusive education.

- ## **Course learning Outcomes:**

1. Articulate the concepts of special, integrated, and inclusive education.
2. Identify and overcome barriers to learning and participation for children with disabilities.
3. Assess the impact of various components in enhancing inclusive education practices.
4. Describe the conventions, schemes, and inclusion provisions specified in the National Policy on Education 1986.
5. Implement current trends and strategies for promoting inclusive education.

OC - 11 OPTIONAL COURSE

OC-1.3 Guidance and Counselling

- ## Course Objectives

  1.Theoretical Foundation: To provide students with a solid understanding of the theories and principles of guidance and counselling.
  2. Practical Skills: To equip students with practical skills and techniques for effective guidance and counselling in educational settings.
  3. Ethical Practice: To instill an understanding of ethical standards and practices in the field of guidance and counselling.
  4. Assessment Techniques: To familiarize students with various assessment tools and methods used in guidance and counselling.
  5. Support Strategies: To prepare students to develop and implement support strategies for diverse student needs, including academic, career, and personal issues.

- ## Course learning Outcomes

  1. Theoretical Knowledge: Students will demonstrate a comprehensive understanding of major guidance and counselling theories and frameworks.
  2. Counselling Skills: Students will be able to apply effective counselling techniques and strategies in practical scenarios.
  3. Ethical Competence: Students will understand and adhere to ethical guidelines and standards in guidance and counselling practice.
  4. Assessment Proficiency: Students will effectively use and interpret assessment tools to support student development and decision-making.
  5. Support Implementation: Students will design and implement appropriate support plans for students, addressing various academic, career, and personal challenges.

OC - 11 OPTIONAL COURSE

OC 1.4 Environmental Education

- **Course Objectives:**

1. Understand the meaning, importance, scope, and goals of Sustainable Development and Environmental Education.

2. Analyze global environmental issues and understand the policies addressing these challenges.

3. Comprehend the concept of sustainable ecosystems, green initiatives, and the role of eco clubs in promoting environmental awareness.

4. Apply strategies for managing environmental crises and disasters for a sustainable future.

- **Course learning Outcomes:**

1. Explain the meaning, importance, scope, and goals of Sustainable Development and Environmental Education.
2. Identify global environmental issues and explain the policies aimed at resolving them.
3. Explain the concept of sustainable ecosystems, green initiatives, and the importance of eco clubs in fostering environmental responsibility.
4. Apply knowledge and strategies for managing environmental crises and promoting sustainability.

OC - 11 OPTIONAL COURSE

OC-1.5 Understanding School Management And Leadership

- **Course Objectives:**
  1. Understand the Principles of School Management: To provide students with foundational knowledge of the principles and practices involved in effectively managing a school.
  2. Explore Leadership Theories: To examine various leadership theories and styles and their application in a school context.
  3. Develop Management Skills: To equip students with skills in planning, organizing, and implementing school policies and procedures.
  4. Analyze Educational Policies: To critically analyze educational policies and their impact on school management and leadership.
  5. Foster Effective Communication: To enhance students' abilities to communicate effectively with stakeholders, including teachers, students, parents, and the community.
  6. Address Challenges in School Management: To identify and develop strategies for addressing common challenges and issues faced in school management and leadership.

- **Course learning Outcomes:**

1. Knowledge Application: Students will demonstrate an understanding of key concepts in school management and leadership and apply them effectively in real-world scenarios.
2. Leadership Development: Students will identify and apply different leadership styles and strategies to lead and motivate staff and students.
3. Problem-Solving Skills: Students will be able to analyze and resolve issues related to school management and propose practical solutions.
4. Policy Evaluation: Students will critically evaluate the impact of educational policies on school management and suggest improvements.
5. Communication Proficiency: Students will effectively communicate and collaborate with various stakeholders to enhance school operations and foster a positive educational environment.
6. Strategic Planning: Students will develop and implement strategic plans for improving school management practices and addressing institutional needs .
7. Articulate the meaning, concept, scope, and functions of educational administration.
8. Elaborate on the principles of school educational administration.
9. Characterize the school as an organization.
10. Develop schedules for various school management activities.
11. Identify and discuss the issues faced by school management.

Internal Assessment Paper

EPC -04 : Understanding the Self

- ## Course Objectives

1. Self-Awareness: To help students develop a deep understanding of their own identity, values, beliefs, and emotions.
2. Personal Growth: To foster personal growth and self-improvement through reflection and self-assessment.
3. Emotional Intelligence: To enhance students' ability to manage and express their emotions effectively.
4. Interpersonal Skills: To improve communication and interpersonal skills by understanding oneself and how it affects interactions with others.
5. Educational Impact: To enable students to recognize how their self-awareness and personal development impact their teaching practices and interactions with students.

- ## Course learning Outcomes

1. Self-Assessment: Students will be able to accurately assess their own strengths, weaknesses, values, and beliefs.
2. Reflective Practice: Students will demonstrate the ability to engage in reflective practice to enhance personal and professional development.
3. Emotional Regulation: Students will effectively manage their own emotions and demonstrate strategies for coping with stress and challenges.
4. Communication Skills: Students will exhibit improved communication and interpersonal skills, recognizing how their self-perception influences their interactions.
5. Teaching Influence: Students will understand and articulate how their self-awareness and personal growth impact their teaching methods and relationships with students.

Pedagogy of School Subjects

Course: Pedagogy of English

- **Course Objectives:**

1. Utilize knowledge of the English language to enhance students' linguistic abilities.
2. Analyze and apply pedagogical strategies for effective English language instruction and skill development.
3. Integrate instructional aids effectively to support English language teaching and evaluate student performance.
4. Explore and apply diverse teaching methods and approaches for English language instruction.

- **Course learning Outcomes:**

1. Articulate the principles and concepts of the English language.

2. Enhance students' linguistic skills through targeted interventions.

3. Conduct pedagogical analysis of English language content and refine teaching techniques.

4. Employ instructional aids effectively to enhance English language teaching.

5. Evaluate and assess student performance to improve learning outcomes

Course: <u>Pedagogy of Hindi</u>

- **Course Objectives:**

1. Develop an understanding of Hindi language fundamentals and its pedagogical principles.
2. Analyze and implement effective teaching strategies for Hindi language instruction.
3. Integrate various instructional aids and resources to enhance Hindi language teaching.
4. Apply assessment techniques to evaluate and improve students' Hindi language skills.
5. Explore and apply diverse methods and approaches to teaching Hindi for varied learning needs.

- **Course learning Outcomes:**

   1. Demonstrate a thorough understanding of Hindi language structure and its teaching methodologies.
   2. Design and implement effective instructional strategies for teaching Hindi to diverse student groups.
   3. Utilize various teaching aids and resources to facilitate engaging and effective Hindi language instruction.
   4. Conduct assessments to evaluate and enhance students' proficiency in Hindi.
   5. Adapt teaching methods and approaches to cater to the diverse learning needs of students in Hindi language education.

Course: Pedagogy of physical science

- **Course Objectives:**

  1. Understand the concept, nature, and scope of Physical Science.
  2. Comprehend the need, importance, aims, and objectives of teaching Physical Science
  3. Select appropriate approaches, methods, and resources for effective teaching of Physical Science.
  4. Understand the importance of planning in the teaching of Physical Science. Apply skills in creating lesson plans based on different pedagogical approaches.

- **Course learning Outcomes:**

  1. Explain the concept, nature, and scope of Physical Science.
  2. Explain the need, importance, aims, and objectives of teaching Physical Science.
  3. Select and implement suitable approaches, methods, and resources for teaching Physical Science.
  4. Appreciate the significance of planning for teaching Physical Science.
  5. Develop lesson plans based on various pedagogical approaches in Physical Science.

Course: Pedagogy of Biological Science

- **Course Objectives:**

1. Understand the Nature & Scope of Biological Science
2. Develop knowledge of objectives in teaching Biological Science
3. Explore various approaches, methods, and resources for teaching Biological Science
4. Integrate e-resources in teaching Biological Science
5. Design effective lesson plans and apply diverse teaching skills for Biological Science

- **Course learning Outcomes:**

1. Describe the Nature & Scope of Biological Science
2. Identify and articulate the objectives of teaching Biological Science
3. Employ various approaches, methods, and resources to teach Biological Science
4. Integrate and utilize e-resources in the teaching of Biological Science
5. CO5: Create comprehensive lesson plans and apply a range of teaching skills in Biological Science

Course: Pedagogy of Mathematics

- ## Course Objectives:

1 .Comprehend foundational mathematical ideas derived from basic axioms and principles.

2. Apply mathematical concepts to address theoretical and real-world problems effectively.

3. Develop computational abilities to tackle a diverse range of mathematical challenges.

4. Investigate the applications of mathematics across various disciplines and its relevance in societal contexts.

5. Employ mathematical knowledge to systematically analyze and devise solutions for complex problems.

- ## Course learning Outcomes:

1. Formulate mathematical concepts based on foundational axioms and principles.
2. Employ mathematics effectively to resolve both theoretical and practical problems.
3. Demonstrate proficiency in computational skills for solving a variety of mathematical problems.
4. Recognize and articulate the applications of mathematics in multiple fields and societal issues.
5. Apply mathematical reasoning to analyze and develop solutions for problem situations encountered in various contexts

Course: Pedagogy of Social Science

- **Course Objectives:**

1. Understand the foundational principles of teaching Social Science.
2. Acquire knowledge of various resources for teaching and learning Social Science.
3. Synthesize co-curricular activities through the Social Science Club.
4. Apply knowledge of creating achievement tests in Social Science for secondary and higher secondary levels.
5. Apply knowledge of lesson plans in Social Science for effective instructional purposes.

- **Course learning Outcomes:**

1. Explain the foundational principles of teaching Social Science.
2. Recognize resources for teaching and learning Social Science.
3. Organize co-curricular activities through the Social Science Club.
4. Construct achievement tests in Social Science for secondary and higher secondary levels.
5. Develop lesson plans in Social Science for instructional purposes.

Course: Pedagogy of Commerce

- **Course Objectives:**

1. Grasp the fundamental concepts, characteristics, and range of commerce.
2. Understand the goals, objectives, and principles underlying commerce education.
3. Apply the principles of commerce content, textbooks, and curriculum in teaching practices.
4. Utilize various teaching methodologies and learning resources effectively.

- .**Course learning Outcomes:**

    1. Describe the fundamental concepts, characteristics, and scope of commerce.

    2. Identify the goals, objectives, and core values associated with teaching commerce.

    3. Evaluate and apply content, textbooks, and curriculum relevant to commerce education.

    4. Develop and demonstrate effective teaching strategies for commerce.

    5. Implement a range of teaching and learning resources and methods to enhance commerce instruction

Course : Pedagogy of Computer Science

- **Course Objectives:**

1. Understand the relevance of computer science in the modern world, including its impact on various fields such as technology, business, healthcare, and education.
2. Acquire the ability to establish clear aims and objectives for teaching computer science at the secondary and higher secondary levels, enabling the design of effective learning activities that align with educational standards.
3. Apply pedagogical principles to analyze essential computer science concepts, understanding how to break down complex topics for better student comprehension and engagement.
4. Discuss the importance and effectiveness of computer science textbooks and digital resources in facilitating learning, including how they can support diverse learning styles and needs.
5. Gain practical skills in planning computer science lessons that incorporate interactive and student-centered teaching methods, ensuring effective presentation and communication of content.

- **Course learning Outcomes:**

1. Articulate the significance of computer science as a foundational subject in the curriculum.
2. Develop and articulate educational aims and objectives for computer science instruction at the secondary and higher secondary levels, facilitating the creation of relevant learning activities.
3. Execute pedagogical analyses of key computer science concepts, demonstrating an understanding of how to effectively teach these concepts to students.
4. Assess the importance of textbooks and digital resources in the computer science curriculum, understanding their role in enhancing learning experiences.
5. Demonstrate the ability to plan and execute engaging lessons in computer science, utilizing effective teaching strategies and techniques.
6.

Course: Pedagogy of Home Science

- **Course Objectives:**

1. Grasp the modern principles, aims, objectives, and comprehensive scope of Home Science, including its integration with other academic disciplines.
2. Utilize knowledge in areas such as food and nutrition, childcare, clothing and textiles, and home management to address real-world challenges and enhance everyday living.
3. Employ suitable teaching methods and learning experiences tailored for the effective instruction of Home Science, focusing on student engagement and practical application.
4. Design a coherent Home Science curriculum, including the development of relevant textbooks and low-cost teaching learning materials (TLM) that support instructional goals.
5. Apply various teaching skills by preparing comprehensive unit plans and lesson plans for Home Science education that cater to diverse learning needs.
6. Understand the concepts, significance, types, and methodologies of evaluation, with a focus on the Continuous Comprehensive Evaluation (CCE) framework in Home Science.

- **Course learning Outcomes:**

1. Articulate the modern concepts, aims, objectives, and scope of Home Science, along with its interdisciplinary connections.
2. Demonstrate the practical application of knowledge in food and nutrition, childcare, clothing and textiles, and home management in everyday situations.
3. Select and implement appropriate teaching methods and learning experiences for effective Home Science instruction.
4. Construct a comprehensive Home Science curriculum and develop relevant textbooks and low-cost TLM that enhance learning.
5. Exhibit a variety of teaching skills and create well-structured unit and lesson plans for Home Science teaching.
6. Explain the significance of evaluation in education, including the types and importance of the CCE pattern in assessing student learning in Home Science.

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Course: Pedagogy of Sanskrit

- **Course Objectives:**

1. Understand the fundamentals of Sanskrit language and its pedagogical principles.
2. Develop and implement effective teaching strategies for Sanskrit language instruction.
3. Integrate appropriate instructional aids and resources to enhance the teaching of Sanskrit.
4. Apply assessment techniques to evaluate and support students' proficiency in Sanskrit.
5. Explore and utilize various methods and approaches to cater to diverse learning styles in Sanskrit education.

- **Course learning Outcomes:**

1. Demonstrate a comprehensive understanding of Sanskrit language structure and pedagogical approaches.
2. Design and execute effective instructional strategies for teaching Sanskrit to various learner groups.
3. Employ instructional aids and resources effectively to facilitate engaging Sanskrit language instruction.
4. Assess and evaluate student performance in Sanskrit, applying strategies for
5. Improvement and support.
6. Adapt teaching methods to meet the diverse needs of students and enhance their learning experience in Sanskrit.

Course: Pedagogy of Urdu

- ## Course objectives:

    1. Objectives and importance of Urdu teaching.
    2. Techniques, methods and activities of Urdu teaching.
    3. Construct, select and use suitable test items for evaluation.
    4. Understand basic skills of Urdu language teaching.
    5. Develop professional competency and be aware of one's professional growth.

- ## Course learning Outcomes:

    1. Demonstrate a thorough understanding of Hindi language structure and its teaching methodologies.
    2. Design and implement effective instructional strategies for teaching Hindi to diverse student groups.
    3. Utilize various teaching aids and resources to facilitate engaging and effective Hindi language instruction.
    4. Conduct assessments to evaluate and enhance students' proficiency in Hindi.
    5. Adapt teaching methods and approaches to cater to the diverse learning needs of students in Hindi language education.