

# **RAYAPATI VENKATA RANGA RAO COLLEGE OF EDUCATION**

(Sponsored by Nagarjuna Education Society)

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## **Programme Learning Outcomes (PLOs) and Course Learning Outcomes (CLOs) for 2 Years B. Ed. Programme**

## **Programme Learning Outcomes (PLOs) For 2 Years B.Ed.**

On successful completion of the two-year B.Ed. programme, pupil teachers will be able to develop

1. Teaching competency: Know, select and use of learner-centered teaching methods, understanding of paradigm shift in conceptualizing disciplinary knowledge in school curriculum, necessary competencies for organizing learning experiences, select and use of appropriate assessment strategies for facilitating learning.
2. Pedagogical skills: Applying teaching skills and dealing with classroom problems.
3. Teaching through Non-conventional Modes: Evolving a system of education which enhances the potential of every learner to acquire, retain and transform knowledge leading to wisdom society through creative, experiential and joyful modes of learning.
4. Effective Communication: Writing Assignments and presenting seminar before peer students and teachers and practicing communication skills through various linguistic activities and applying it for better classroom communication.
5. Sensitivity towards Inclusion: Identifying the diversities and dealing it in inclusive classrooms environment, guidance and counselling programmes for disabled students.
6. Effective Citizen Ethics: Understand different values, morality, social service and accept responsibility for the society.
7. Self-directed Learning: Preparing scripts for seminars, lesson plans and online content.
8. Social Resilience: Understand about social entities and enable to cope up with adverse conditions of life.
9. Physical Development: Practice yoga, physical education and games and sports.

## **Course Learning Outcomes (CLOs) for 2 Years B.Ed.**

### **Course-I Philosophical Foundations of Education**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the concepts of Education and Philosophy
2. Understand the Indian Philosophical thought on Education
3. Understand the Implications of various western schools of thought on Education
4. Understand the implications made by recent thinkers on education.
5. Appreciate the nobility of teaching as a profession.
6. Understand the need and importance of values and their role in making an individual a humane.

### **Course-II Perspectives in Child Development**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Compare relative merits and applications of different Approaches of Human Development
2. Recognize that childhood is a period of socialization and how socialization practices affect their development
3. Critically analyze developmental variations among children placed and exposed to different socio-cultural contexts
4. Appreciate the process of development with special focus on childhood and adolescence
5. Recognize that adolescence as a period of transition and threshold of adulthood
6. Examine characteristics of adolescents and reflect on how their needs act as genesis of certain unique problems
7. Illustrate different factors influencing on child development and their applications to education
8. Examine different theories of development and their relevance to understand the nature of child

### **Course-III Information and Communication Technology (ICT) For Enriching Teaching and Learning**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Explain the concept of educational technology
2. Explain the concept of ICT in education
3. Appreciate the influence of ICT for improving the professional competencies
4. Comprehend communicative skills and effective classroom interaction
5. Use different approaches of ICT integration in education
6. Appreciate the application of E-learning in education
7. Explain the instructional strategies in instructional strategies and models
8. Explain the fundamentals of the operating systems and application software.
9. Use internet for effective classroom teaching and maintain the ethical values.
10. Utilize the ICT for professional development of teachers.

### **Course-IV Pedagogy of Mathematics**

#### **OUTCOMES:**

After completion of the course the student will be able to

1. Develop insight into the meaning, nature, scope and objectives of mathematics education.
2. Appreciate the role of mathematics in day to day life.
3. Understand history, development of mathematics and the contributions of Indian mathematicians to mathematics.
4. Understand aims and objectives of different branches of mathematics.
5. Identify the role of branches of mathematics and their implications on the society.
6. Understand and practice various methods and approaches of teaching mathematics.
7. Understand the selection, preparation and uses of learning resources.

### **Course-IV Pedagogy of Social Sciences**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the meaning and scope of Social Sciences
2. Develop general and specific aims of teaching social sciences
3. Inculcate values through teaching of Social Sciences
4. Understand major concepts and develop critical thinking through teaching inter disciplines of Social Sciences
5. Acquire knowledge on different strategies and approaches of teaching and developing skills in connection of resources.

### **Course-IV Pedagogy of Biological Sciences**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

- 1.1 Develop an insight on the meaning, scope, nature and aims of biological science.
- 1.2 Identify and relate everyday experiences with the learning of biological science.
- 1.3 Integrate the knowledge of biological science with other school subjects.
- 1.4 Facilitate the development of scientific attitude in the learners of biological science.
- 1.5 Develop competencies for teaching and learning biological science through Herbartian and Constructivist approaches.
- 1.6 Stimulate curiosity, creativity and inventiveness in the learners towards biological science.

### **Course-V Pedagogy of Physical Sciences**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Know the nature of science, structure, value and correlation with other school subjects.
2. Draw the attention on development of science and the contributions of western and Indian scientists.
3. Understand the aims and objectives of teaching physical sciences.
4. Develop the skill of organizing science curriculum and critique on the present secondary school physical sciences curriculum.
5. Organize the content into plan of action and practice the micro and macro teaching skill.
6. Cope up with adoption of methods of teaching physical sciences and use the learning experiences

## **Course-V Pedagogy of English**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the place of English Language Teaching in India
2. Understand the different roles of language
3. Understanding the importance of home language, school language and the role of mother tongue in education.
4. Understand different skills of English language
5. Identify different Methods, Approaches and Techniques needed for teaching different skills of ELT in the Indian context
6. Improve their ability in planning a lesson in Prose, Poetry and Supplementary Reader
7. Develop integrated skills in ELT
8. Prepare different activities and tasks for learners

## **Course-VI Sociological Foundations of Education**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the sociological basis of Education
2. Understand the impact of culture and socialization on Education
3. Sensitize the student teacher about the impact of Education on the quality of life
4. Understand the preamble of the constitution in the light of Education
5. Organize various programmes to achieve national integration and international understanding.

## **Course-VII Learning and Teaching**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. To be aware of the process of learning and information processing.
2. To gain an understanding of different theoretical perspectives on learning.
3. To reflect on their own implicit understanding of the nature and kinds of learning.
4. To explore the possibilities of designing learning environment and experiences at school.
5. To appreciate the critical role of learner differences and social contexts in making meanings and drawing implications for schools and teachers.

## **Course-VIII Classroom Management Leadership and Action Research**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the importance of classroom organization
2. Understand the importance of classroom Management
3. Develop ability to face the problems in managing the classroom.
4. Understand the role of leadership of a teacher
5. Undertake different action research projects to improve professional practices

## **Course-IX Art Education**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Integrate Art with Education and become better communicator.
2. Develop creative thinking through different Art forms.
3. Realize that liberal arts help in making better professionals.
4. Understand Art as a medium of expression.
5. Understand the role of Art as a medium of Education.
6. Deepen students' ability for perception and reflection.
7. Use Art as an alternative language to experience and communicate concepts in teaching-learning.

## **Course-X Pedagogy of Mathematics**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Appreciate Mathematics as a tool to engage the mind of the student
2. Appreciate mathematics to strengthen the students resource
3. See mathematics as something to talk about to communicate through to discuss among themselves to work together on.
4. Construct appropriate assessment tools for evaluating mathematics learning.
5. Stimulate curiosity, creativity and inventiveness of mathematics
6. Develop Competencies to develop gifted and slow learners.
7. Develop language of mathematics; engage with research on children's learning in specific areas.

## **Course-X Pedagogy of Social Sciences**

### **OUTCOMES:**

This course will enable the student teachers to

1. Understand the teaching and learning of geography, economics, history, political science and identify the difference among them.
2. Understand the importance of social science curriculum and its organization.
3. Understand various teaching aids for social sciences.
4. Understand the assessment process through CCE.
5. Sensitize and equip teachers to handle social issues and concerns in a responsible manner.
6. Inculcate qualities and competencies required for a good social sciences teacher.

## **Course-X Pedagogy of Biological Sciences**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the curriculum development issues in biological science.
2. Identify the role and use of laboratory, ICT, and TLM in the teaching of biological science teaching effectively.
3. Develop the skill of writing lesson plan period plan.
4. Develop micro teaching skills.
5. Develop the skill of constructing test papers.

## **Course-XI PEDAGOGY OF PHYSICAL SCIENCES**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the importance of physical science curriculum and its organisation
2. Develop the skill, procurement and maintenance of the science laboratory.
3. Equip the resources for effective teaching of physical sciences.
4. Utilize the applications of science and technology on society.
5. Construct the achievement test on CCE model and analyse the results.



## **Course-XI PEDAGOGY OF ENGLISH**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Get acquaintance with skills of communication for classroom teaching.
2. Develop creativity among learners.
3. Use multilingualism as a strategy in the classroom situation.
4. Understand the basics of English grammar.
5. Develop the skills of presentation of vocabulary.
6. Get acquaintance with different sounds in English and use correct pronunciation in the classroom teaching.
7. Understand constructivist approach to language teaching and learning.
8. Assess and Evaluate the student skills of language learning.

## **Course-XII LEARNING ASSESSMENT**

### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand the nature of assessment and evaluation and their role in teaching learning process. 2. Understand the perspectives of different schools of learning on learning assessment.
3. Realize the need for school based and authentic assessment.
4. Examine the contextual roles of different forms of assessment in schools.
5. Understand the different dimensions of learning and the related assessment procedures, tools and techniques.
6. Develop assessment tasks and tools to assess learners' performance.
7. Analyse, manage, and interpret assessment data.
8. Analyse the reporting procedures of learners' performance in schools.
9. Develop indicators to assess learners' performance on different types of tasks.
10. Examine the issues and concerns of assessment and evaluation practices in schools.
11. Understand the policy perspectives on examinations and evaluation and their implementation practices.
12. Traces the technology bases assessment practices and other trends at the international level.

### **Course-XIII UNDERSTANDING THE SELF**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand that any Self is a human resource to exercise all the resources: cognitive, affective and psychomotor resources.
2. Make them realize that the Self does not have independent existence but related to Nature, other selves and the „Unknown“ causing it and this great design of the Universe.
3. Make the student-teacher perform one's function to the possible extent as any part of the Nature is silently doing so; thereby developing self-actualization and selfesteem.
4. Realize that one is responsible as a person and as a teacher for the integrated development of oneself and one's pupils: Physical, cognitive, social, emotional, aesthetic, moral, and spiritual developments.
5. Realize the commonness and uniqueness prevalent in Nature and human nature and feel equality as the reality and contribute to the furtherance of evolution at mental level.

### **Course-XIV CONTEMPORARY INDIA AND EDUCATION**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Understand and Contextualize ideals of the Constitution of India.
2. Appreciate humanistic agenda of the Constitution on India.
3. Value and recognize the role of education in realizing the ideals of the Constitution.
4. Develop critical awareness about the issues of education that are coming in the way of realization of the values of the Constitution.
5. Understanding and develop positive attitudes towards various forms of exclusion.
6. Appreciate the need for education for Peace.
7. Reflects on the issues of secondary school stage education.

### **Course-XV GENDER, SCHOOL AND SOCIETY**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. understand the gender related issues.
2. develop sociological perspectives about the impact of culture. Tradition, Socialization, division of labour on gender aspects.
3. create an awareness about the impact of gender on Education.

4. understand the dynamics of gender perspectives and sensitization.
5. create the knowledge regarding equality and its relationship to women education.
6. know hindrances in achieving cent % literacy, continuing education, course preferences etc.
7. provide the knowledge about legal provisions related to Women's Rights and Education.
8. know the Trends in girls Education and Women empowerment.
9. know Benefits of Women / Girls Education 10. estimate the level of change in the Status.

### **Course-XVI INCLUSIVE EDUCATION**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Acquire knowledge about the concept of inclusive education for different types of special needs children.
2. Able to identify the different types of special needs children and their characteristics.
3. Develop understanding in identification and assessment of children with special needs.
4. Critically evaluate the policy perspectives emerged at national and international levels for empowering children with special needs.
5. To develop the required skills for teaching children with special needs in regular schools.
6. To develop adequate competencies in building barrier free environments within and outside the schools to facilitate learning in children with special needs.

### **Course-XVII ENVIRONMENTAL EDUCATION**

#### **OUTCOMES:**

After completion of the course, the student-teacher will be able to

1. Recognizes the concept and importance and participate in various activities of swach bharath.
2. Recognizes the need and importance of environmental education.
3. Identify the factor responsible for environmental degradation and environmental pollution.
4. Develop strategies to curb out environmental degradation in their house and locality.
5. Recognizes the role of government and non government agencies in reducing the environmental issues faced by mankind.
6. Appreciate the strategies taken up for sustainable development.
7. Recognize the role of the teacher in a school in promoting the environmental awareness among the children.
8. Develop strategies to sensitize the students regarding the environmental problems faced in the country.