

# PROSPECTUS

## (2021-22)

**Regional Institute of Education (NCERT), Bhubaneswar**



विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

**REGIONAL INSTITUTE OF EDUCATION**  
(National Council of Educational Research and Training, New Delhi)  
**BHUBANESWAR – 751022**

[www.riebbs.ac.in](http://www.riebbs.ac.in)

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## **The Crest**

Hansa, the Swan, is the symbol of the pursuit of knowledge. The intertwined Swans symbolize the integration of the three major aspects of the work of the National Council of Education Research and Training (NCERT): i) Research and Development ii) Training, and iii) Extension and Dissemination.

The design has been updated from a relic of the period of Asoka, of the third century B.C., found in an excavation near Maski in the Raichur district of Karnataka.

The motto is taken from Isavasya Upanishad and symbolises “life eternal through learning”.

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## **About Us**

### **The Institute**

Regional Institute of Education, Bhubaneswar, one of the five such Institutes in the country of NCERT, New Delhi, has been providing academic and technical support to the states of Odisha, West Bengal, Bihar, Jharkhand, Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura and the Union Territory of Andaman and Nicobar Islands for improvement of school education through pre-service and in-service programmes. However, with the establishment of North-East Regional Institute of Education (NERIE), Shillong in 2015, in-service programmes as well as pre-service B.Ed. programme for North-Eastern states have been shifted to NERIE.

### **Location**

This Institute stands on Sachivalaya Marg, Bhubaneswar about 5 km away from the city Railway Station and 7 km away from Biju Pattnaik International Airport. Known as “Temple City of India for its rich heritage of temples like the Lingaraj, Mukteswar, Rajarani, KedarGouri and Baital, etc., Bhubaneswar is famous for their art, sculpture, architecture and sanctity as well. It also prides over the renowned and ancient monuments like Khandagiri, Udaygiri and Dhauli, to name a few. Declared as the 1st Smart City by the Government of India in 2016, Bhubaneswar has a glorious past where the historic Kalinga war was fought in 261 BC along the banks of the river Daya - the event that led to a miraculous transformation

of Emperor Ashoka from Chandashoka to Dharmashoka in the path of peace and non-violence. Only 60 km away each from Puri (with its attractive sea beaches and Jagannath Temple) and Konark (with its pristine casuarinas forest and Sun Temple), Bhubaneswar stands as the third of the trio of the “Golden Triangle”, so termed in modern parlance and also the destination of the tourists. Today, this city also known for its boom in academics, software parks, health services, tourism, trade and commerce, is a veritable meeting point of history and modernity.

### **The Campus**

Located in a 105 acres serene and sylvan surrounding, this Wi-Fi campus houses the establishments of the Institute comprising the Academic and Administrative blocks, Library, Computer Application Centre, Auditorium, Canteen, Hostels (03 for women, 01 for men and 01 for in-service participants), D.M. School for its innovative practices, Residential Quarters, Guest House, Dispensary, Post Office, State Bank of India along with play grounds. RIE is a co-educational residential Institute having students from diverse languages and cultures of its hinterland representing a miniature India. Dr. J. N. Koul was its first Principal, and the present Principal Prof. P.C. Agarwal is 19th in its incumbency list.

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## **Academic Affiliation**

The Regional Institute of Education, Bhubaneswar is affiliated to the Utkal University for all its degree courses. The attached Demonstration Multipurpose School is affiliated to the Central Board of Secondary Education, New Delhi.

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## **Vision**

To become a centre of excellence in the field of school education comprising research, development, training, and extension with special reference to the eastern region of India including the states of Arunachal Pradesh, Assam, Bihar, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Sikkim, Tripura, West Bengal and the union territory of Andaman and Nicobar Islands.

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## **Mission**

- To improve the quality of school education with focus on constitutional values and contemporary issues.
- To improve the quality of teacher education with emphasis on current trends in teaching, learning and the emerging demands of school education.
- To collaborate with the central government and the state governments for formulation and implementation of different educational schemes.
- To provide need-based academic support to organizations working in the area of school education.
- To build and sustain a network of mutual support with peer institutions in the matter of school and teacher education.

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## From The Desk of Principal

**Prof. Prakash Chandra Agarwal**

Designation: Principal, RIE Bhubaneswar, Professor of Physics

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I am privileged and honoured that destiny has given me an opportunity to lead Regional Institute of Education, Bhubaneswar which, under the flagship of NCERT, beholds the value of integrity, creativity and innovation in the field of education. Based on the highest standards of pedagogy, research, future focus, and student-centricity, RIE, Bhubaneswar has proved itself as an eminent citadel of learning and educational research and one of the premier institutions in the eastern zone of the country. The journey will continue for creating an optimized and vibrant platform for integrating knowledge with skills on the foundation of ethics and values; and we would put on our best efforts for expanding the firmament of academic activities along with continuous improvement in the outturn.

I feel highly encouraged with my experienced and qualified faculty members and dedicated officials for their sincere collaboration and unflinching support for holistic development of our trainee-teachers, our brand ambassadors. Let us all work towards creating an environment of quality teaching, development, research, and extension activities leading to generation of competent, skilled and sensitive human resource that would provide leadership, vision and direction to society to catalyze enrichment of physical and human environment especially in the eastern part of the country.

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## Programmes and Courses of Instruction

The courses of instructions offered by RIE Bhubaneswar are based on the belief that the preparation for teaching profession requires much more than a collection of certificates of courses and degrees. A planned programme of teacher-education should be focused on the individual development of the teacher and his role in the school and the community. It is not enough for a teacher in a higher secondary school to master his specialty and his technique; he should be able to provide enlightened and practical leadership in the formulation and implementation of educational policies and practices. This will be facilitated if general, specialized and professional education are imparted in an integrated manner. Success of any programme also depends on the scope it provides for wide reading, discussion, execution of individual assignment and for a variety of media of expression and communication.

The residential character of the Institute facilitates the development of curricular and co-curricular activities that contribute to the total development of the personality of the teacher-trainees. The co-curricular activities aim at promoting health, citizenship and creative interest and abilities of participants of different courses.

### Departments

There are four Departments in the Institute. They are:

- **Department of Education (DE):-** It has the following sections/cells – Education Technology, Special Education, Physical Education, Guidance and Counselling cell.
- **Department of Education in Science and Mathematics (DESM):-** It includes sections such as Physics, Chemistry, Mathematics, Botany, Zoology, and Population Education Cell.
- **Department of Education in Social Science and Humanities (DESSH):-** It includes sections such as English, Hindi, Odia, Bengali, History, Geography, Political Science and Economics.
- **Department of Extension Education (DEE):** - It assists the Institute in organizing various in-service and extension programmes in school Education including teacher education for the states and UT under its jurisdiction. It also monitors activities under integrated scheme for SamagraShikshaAbhiyan- Early Literacy, SSA, RMSA, RAA etc.

## Pre-Service Courses

The Institute offers the following courses for prospective teachers from the states and the UT under its jurisdiction:

- Four year Integrated B.Sc. B.Ed. ( PCM/CBZ – 55 each) : 110 seats
- Four year Integrated B.A. B.Ed. : 55 seats
- Two year B.Ed. (Science) : 55 seats
- Two year B.Ed. ( Arts ) : 55 seats
- Two year M.Ed. : 32 seats
- One year M. Phil (Education) : 10 seats
- Ph. D. Course Work (Education) : 20 seats
- Ph. D. Supervision (in all subjects)
- Diploma in Guidance and Counselling (Distance and Face-to-Face Mode) : 50 seats

## Regulations of the Four-Year Integrated B.Sc.B.Ed. Programme

### 1. Introduction

The Four-Year Integrated B.Sc.B.Ed. Programme as a teacher education programme has been running successfully at the Regional Institute of Education (NCERT), Bhubaneswar for a number of years. The programme has been periodically reviewed and reformulated depending on changing education policies and teacher education frameworks. **The latest version, formulated in 2010**, was based on the National Curriculum Framework (NCF)-2005 formulated by NCERT and the Curriculum Framework for Teacher Education-2009 of the National Council of Teacher Education (NCTE). **The programme is now being reformulated in accordance with the NCTE Regulations-2014** as per Notification Dated 28th November 2014 in The Gazette of India: Extraordinary, Part III-Sec. 4, Appendix- 13. Further, the provisions of Choice-Based Credit System (CBCS) and Grading have also been incorporated in the programme, as stipulated by UGC.

### 2. Salient Features of the Programme

The four-year integrated B.Sc.B.Ed. programme aims at preparing quality teachers in science and mathematics for upper primary and secondary stages of education by integrating general studies comprising science and mathematics, language studies to enhance communication skills, and professional studies comprising foundations of education, pedagogy of school



subjects and practicum related to the tasks and functions of a school teacher. It maintains a balance between theory and practice, and a coherence among the components of the programme, representing a wide knowledge base of a secondary school teacher. The duration of the programme is four academic years consisting of eight semesters including placements for school-based experiences and internship-in-teaching. Student teachers, however, are permitted to complete the programme within a maximum period of six years from the date of admission to the course. On successful completion of the programme, they may enter teaching profession or opt for higher education in their respective areas of interest.

### **3. Objectives of Programme**

The 4-year integrated B.Sc.B.Ed. Programme aims at enabling the student-teachers to

- Develop knowledge and performance competencies in science and mathematics.
- Understand the nuances of child psychology and how children learn.
- Get acquainted with the content and pedagogical aspects of the teaching learning process suitable for secondary level of school education
- Enhance the skill of communication
- Appreciate and apply the latest approach such as the constructivist approach to teaching learning
- Adopt innovative strategies in classroom processes
- Discover different human values inherent in content domains
- Use laboratory devices and processes effectively and efficiently. Develop critical thinking, abstract reasoning, creativity and problem solving skills
- Address issues related to natural resources and promote eco-friendly practices and sustainability
- Use low-cost/no-cost materials to demonstrate scientific concepts. Get functional familiarity with ICT and use it as a teaching learning tool
- Become effective teachers of science and mathematics at secondary level by imbibing appropriate professional values.

### **4.Streams**

Presently the B.Sc.B.Ed.Programme has two streams namely PCM (Physics, Chemistry, and Mathematics) and CBZ (Chemistry, Botany and Zoology) with equal number of seats.

## 5. Programme Structure

- Following the UGC guide lines, the different B.Sc. related courses to be offered in the programme are categorized as CC or Core Course, GE-I or Generic Elective-I, GE-II Generic Elective-II, DSE or Discipline Specific Elective, AECC of Ability Enhancement Compulsory Course, SEC or Skill Enhancement Course, and CBC or Choice Based Course.
- The CBC component is designed such that it may be taken by any student enrolled in any programme.
- The student may opt for any one of the choice-based courses to be offered by the Institute. Choice Based Course (CBC): CBC Courses have to be offered in Semester VI.
- A student has to opt any one of the CBC courses from any subject area of his/her choice.
  - i. Chemistry and our life
  - ii. Renewable Energy and Energy Harvesting Food, Nutrition and Public Health
  - iii. General Mathematics
  - iv. Herbal plants for home gardening
  - v. Basics of Social Sciences
  - vi. English (creativity in translation)
  - vii. Hindi Bhasha aur Sahitya Samanya Gyan Communicative language (Odia)
  - viii. Bangla Sahitya Byakaran Gyana (Bengali)
  - ix. Educational Planning. Management and Leadership

## 6. Medium of Instruction

The medium of instruction for the programme is English except for the language courses.

## 7. Programme Duration

The normal duration of the programme is eight semesters to be completed in four years. The maximum time limit allowed for programme completion is six years. Classes and exam. for Odd semesters (1st, 3rd, 5th, 7th) take place from July to December and for even semesters (2nd, 4th, 6th, 8th) from January to June. The respective semester-end examinations are normally held in November-December and April-May.

## 8. Number of Seats

The number of seats for the programme will be as per sanction of NCERT and approval of NCTE and Utkal University. The seats are distributed among the states and union territory under the jurisdiction of RIE Bhubaneswar taking into account the central government reservation policies/NCERT guidelines as admissible from time to time.

### 9.(i) Provision of Honours/ Core Course (CC) and Generic Elective

Students in CBZ stream may opt for either Botany or Zoology for their honours course or core course (CC).

Students in PCM stream may opt for Physics or Chemistry or Mathematics for their honours course or core course (CC).

#### Provision of Generic Electives (GE-1, GE-2)

Honour's or Core Course (CC)	Generic Elective (GE-1, GE-2)
Botany	Chemistry
Chemistry	Mathematics, Physics
Mathematics	Physics, Chemistry
Physics	Chemistry, Mathematics
Zoology	Botany, Chemistry

The generic electives for different core courses have been considered as above in view of the requirement of (i) a PCM teacher who should be strong in physics, chemistry, and mathematics, and (ii) a CBZ teacher who should be strong in botany, zoology and chemistry.

## 11. Eligibility and Admission

Candidates with 50% marks or equivalent grade in the senior secondary /higher secondary or +2 examination with Physics, Chemistry, Mathematics and or Biology are eligible for the programme. Reservations are available as per the existing norms approved by NCERT.

Admission shall be made on the basis of marks obtained in the qualifying examinations and in the entrance examination or any other selection process as per the policy of the NCTE/ NCERT/affiliating University from time to time.

On successful completion of a semester, the candidate shall be readmitted to the next semester on payment of the requisite fees.

## **12. Change of Subject**

Once chosen, subject change is not permissible under any circumstances in a given semester or subsequent semesters.

## **13. Attendance**

Minimum 80% attendance is required in each course and minimum **90%attendance** is required in internship for being eligible to appear. Up to 15% waiver may be granted by VC on the recommendation of the Principal of the Institute on payment of usual fees prescribed by the University. If a student represents University/State/National/District in sports and games and NCC/NSS/Scout -Guides/cultural activities or any official activities, she/he is permitted to avail 30 days academic leave in an academic year based on the recommendation of the head of the Institution.

There shall be no condonation if the attendance is below 65% in any course during any semester, for any reason.

A candidate who does not satisfy the requirement of attendance shall not be eligible to take the examination of the concerned semester, nor will be eligible to take admission to the next semester.

A candidate who fails to satisfy the requirement of attendance in a semester may repeat that semester in the subsequent academic year.

## **Regulation of Four Year B.A. B.Ed Programme**

### **Introduction**

The Four-Year Integrated B.A.B.Ed. Programme as a Pre-Service teacher education programme has been there in the Regional Institute of Education (NCERT) Bhubaneswar (RIEB) for number of years. The programme has been periodically reviewed and reformulated depending on the changing education policies and teacher education frameworks. The latest version, formulated in 2010, was based on the National Curriculum Framework (NCF) - 2005 formulated by NCERT and the Curriculum Framework for Teacher Education - 2009 of the National Council of Teacher Education (NCTE). The programme is now being reformulated in accordance with the NCTE Regulations-2014 as per Notification dated 28th November 2014 in the Gazette of India.

### **2. Salient Features of the Programme**

The four-year integrated B.A.B.Ed. programme aims at preparing quality teachers in Social Sciences(SS) and Languages for upper primary and secondary stages of education by integrating general studies comprising SS and language studies to enhance communication skills, and professional studies comprising foundations of education, pedagogy of school subjects, and practicum related to the tasks and functions of a school teacher. It maintains a balance between theory and practice, and coherence among the components of the programme, representing a wide knowledge base of a secondary school teacher. The programme is of four academic years consisting of eight semesters including Field Experiences (FE, i.e. Multicultural Placement, Internship-in-teaching and Community work), Student-teachers shall, however, be permitted to complete the programme within a maximum period of six (4+2) years from the date of admission to the programme. On successful completion of the programme, they may enter teaching profession or opt for higher education in their respective areas of interest.

### **3.Objectives of Programme**

The Four-year integrated B.A.B.Ed. Programme aims at enabling the student-teachers to:

- Develop knowledge and performance competencies in SS and languages;
- Understand the nuances of child psychology and how children learn;
- Get acquainted with the content and pedagogical aspects of the teaching learning process suitable for secondary level of school education;

- Enhance the skill of communication. Appreciate and apply the latest approach such as the constructivist approach to teaching learning;
- Adopt innovative strategies in classroom processes;
- Discover different human values inherent in content domains;
- Develop critical thinking, abstract reasoning, creativity and problem-solving skills; Address issues related to natural resources and promote eco-friendly practices and sustainability;
- Use low-cost/no-cost learning materials to illustrate the social science and language concepts;
- Get functional familiarities with ICT and use it as a Teaching and Learning tool;
- Become effective teacher of SS and Languages at secondary level by imbibing appropriate professional values.

### **Affiliating Body**

The programme is affiliated to Utkal University, Bhubaneswar, established by the Government of Odisha and functioning since 1943. The university has been accredited with A+ grade by NAAC.

### **7. Medium of Instruction**

The medium of instruction for the programme is English except for the courses in Indian language.

### **8. Programme Duration**

The normal duration of the programme is eight semesters to be completed in four years. The maximum time limit allowed for programme completion is six years. Classes and exam. for Odd semesters (1st, 3rd, 5th, 7th) take place from July to December and for even semesters (2nd, 4th, 6th, 8th) from January to June. The respective semester-end examinations are normally held in November-December and April-May.

### **9. Number of Seats**

The number of seats for the programme will be as per the sanction of NCERT and approval of NCTE and Utkal University. The seats are distributed among the states and union territory under the jurisdiction of RIE Bhubaneswar taking into account the central government reservation policies/NCERT guidelines as admissible from time to time. Currently 50 students are admitted to the Programme each year.

## **10. Provision of Honours or Core Course (CC)**

Students may opt for any of the eight subject areas Geography, History, Economics and political Science in SS and Hindi, English, Odia and Bengali in Language for their honours course or core course (CC).

## **11. Eligibility and Admission**

Candidates with 50% marks or equivalent grade in the higher secondary or +2 examinations Science, Arts or Commerce Streams (except vocational courses) are eligible for the programme. Reservations are available as per the existing norms approved by NCERT. Admission shall be made on the basis of marks obtained in the qualifying examinations and in the entrance examination as per the policy of the NCTE/ NCERT and affiliating University from time to time. On successful completion of a semester, the candidate shall be readmitted to the next semester on payment of the requisite fees.

## **12. Change of Subject**

Once chosen, subject change is not permissible under any circumstances in a given semester or subsequent semesters. However, in the First Semester (before the First Internal Test) the student can go for change of subject in consultation with the Head of the Institute.

## **13. Attendance**

Minimum 80% attendance is required in each course and minimum 90% attendance is required in internship for being eligible to appear at semester examination. Up to 15% waiver may be granted by VC on the recommendation of the Principal of the Institute on payment of usual fees prescribed by the University. If a student represents University State/National/District in sports and games and NCC/NSS/Scouts-Guides/cultural activities or any official activities, she/he is permitted to avail 30 days academic leave in an academic year based on the recommendation of the head of the Institute. There shall be no condonation if the attendance is below 65 in any course during any semester, for any reason. A candidate who does not satisfy the requirement of attendance shall not be eligible to take the examination of the concerned semester, nor will be eligible to take admission to the next semester.

A candidate who fails to satisfy the requirement of attendance in a semester may repeat that semester in the subsequent academic year.

## **Bachelor of Education (B.Ed.) Programme**

### **I. Introduction**

The Curriculum Frameworks for school education published by the National Council of Educational Research and Training (NCERT) in 1975, 1988, 2000 and 2005 have played an important role in the development of school education in the country, especially with regard to its content and transaction in the classrooms. The latest framework in the series, the National Curriculum Framework 2005 (NCF 2005) articulated the need for connecting knowledge to life outside the school, understanding about construction of knowledge, facilitating learner in knowledge construction, creating a fear free atmosphere, addressing diversity and inclusion, equity and quality. In order to bridge the gap between conceptual knowledge and practice, it is essential to understand child as a critical learner as emphasized in the framework.

Keeping pace with the diversity existing in our society, the teacher has to deal with the heterogeneous classroom. The aspiration level of the students has changed considerably under the overarching influence of technological revolution and globalization. In this context, the teacher needs to understand that learners have to be provided with opportunities to share, discover and participate actively in the learning process. Teacher has to understand the process of learning, create conducive environment for learning and be able to provide varied opportunities for the students to observe, experiment, reflect, and question.

In order to respond to the demands of changing school curriculum, the National Council for Teacher Education (NCTE) has brought out Teacher Education Curriculum Frameworks from time to time. The latest curriculum framework, NCFTE-2009 tried to address mismatch of theory and practice in teacher education programmes. It has suggested for incorporating the socio-cultural contexts of education, giving more emphasis on the field experience of student teachers in all courses through practicum, visits to innovative centres of pedagogy and learning, classroom based research, and internship of longer duration. The need for developing competencies for lesson design and maintaining reflective journals has also been emphasized.

The Justice Verma Commission (JVC) appointed by the Government of India submitted its report in 2012 recommended for revamping the system of teacher education in the country,



such as introducing integrated teacher education programmes of longer duration and upgrading the status of teacher education by making the entire system as part of higher education. The commission recommended the establishment of inter-university centers of teacher education to ensure continuing professional development of teacher educators, re-orientation of teacher education curriculum to enhance the quality of teacher preparation, strengthen the regulatory and monitoring mechanisms and establishment of performance appraisal system for teacher education Institutions, teacher educators and school teachers. Thus, the Commission presented a holistic vision of teacher education in the country from the perspective of quality as well as regulation.

To translate the vision of JVC into reality, the National Council for Teacher Education (NCTE) revisited its regulations, norms and standards for various teacher education programmes and notified new regulations in December, 2014. As per the regulations, the duration of the B.Ed. programme has been enhanced from one year to two years. However, the Regional Institute of Education (NCERT) is running the 2 year B.Ed. Programme since 1999. In the 2 year B Ed programme, the curriculum follows broad based curricular areas such as perspectives in education, curriculum and pedagogic studies, enhancing professional capacities and engagement with the field. All these areas focus towards reducing the gap between theory and practice as engagement with the field is extended throughout the four semesters. In addition, each course has ample scope which link to experiences in the school. The course is an attempt to actualize all the pertinent issues raised in the new regulations.

## **II. Course Details**

As represented in the above diagram the course comprises of four components i.e.

- (i) Perspectives in Education
- (ii) Curriculum and Pedagogic Studies
- (iii) Engagement with the Field/Practicum and
- (iv) Enhancing Professional Capacities.

### **(i) Perspectives in Education**

Perspectives in Education includes courses on basics in education, child development and adolescence, learning and teaching, assessment for learning, knowledge and curriculum, schooling and socialization, vision for Indian education, educational planning and management and inclusive education.

### **(ii) Curriculum and Pedagogic Studies**

These courses intend to facilitate student teachers to recognize the nature of knowledge in various subject areas (Science-Biological/Physical/Mathematics/Social Science/Languages-Hindi/English/Odia/ Bengali), and pursue to keep themselves abreast with advancements in their areas of specialization. Each student teacher will take up two subject areas as per their choice. In view of the requirement of hands on experiences, each of the courses is designed as Part I and II-to be spread over two semesters. Part I will help in developing understanding of and competence to render disciplinary knowledge into forms relevant to stage specific objectives and their pedagogic requirements. Part II will provide a comprehensive understanding of the teaching learning situations gained through intensive study of conceptual explanations, observation and analysis of real life classroom situations, simulations as well as on hands on experiences.

### **(iii) Engagement with the Field/Practicum**

The B.Ed. Programme shall provide sustained engagement with the self, the child, the community and the school, at different levels and through establishing close connections between different curricular areas. These curricular areas would serve as an important link between the perspective and curriculum and pedagogic studies and enhancing professional capacities in the form of tasks and assignments and internship. School Internship would be a part of this broad curricular area and shall be designed to lead to develop a broad repertoire of perspectives, professional capacities, teacher sensibilities and skills.

The curriculum of B.Ed. shall provide for sustained engagement with learners and the school. Student-teachers shall be equipped to cater to diverse needs of learners in schools. These activities shall be organized for 2 weeks in the first semester, 2 weeks in the second semester, 16 weeks in the third semester and 2 weeks in the fourth semester.

Thus engagement with the field in schools will be for duration of 22 weeks for a two-year programme. After the completion of each field exposure including internship, the student teachers will consolidate and reflect on their experiences and share the same with their peers and teachers.

#### **(iv) Enhancing Professional Capacities**

Running across the four semesters specialized courses on learning to function as teachers, ICT and its application, health and yoga, understanding self, arts in education, library resources and reading and reflecting on texts are offered to enhance the professional capacities of the student teachers. All these courses are internally assessed. These courses act as curricular resources, developing personal and professional self and provide inputs on arts and aesthetics, yoga. These courses are focused on developing reflection, issues of identity (both personal and professional), interpersonal relations all in the context of school. The field related experience guides the student teachers to view schools as sites for social change, it develops sensitivity the fellow citizens through listening and empathizing.

#### **The B Ed programme has been designed with the following objectives**

1. Prepare teachers equipped with knowledge and competencies to conduct as professionals to handle the challenges of the present day classroom.
2. Prepare teachers with sound background in perspectives of education along with hands on experience based on field exposure.
3. Develop a rational conceptualization of pedagogical knowledge and to incorporate it into the specific content areas.
4. Develop teachers with a deep and critical awareness of professional ethics and an ability to critically engage in reflective practices.

#### **(v) The Clientele**

The B.Ed. degree holders will have the opportunity to work as teachers in elementary, secondary and senior secondary levels of education. In addition, there is a need for teachers to prepare students at different sites such as Institutions dealing with alternative schooling and open schooling.

#### **Duration & Working Days:**

##### **Duration**

The course leading to the Degree of Bachelor of Education, Regional Institute of Education, Bhubaneswar shall consist of four semesters, (two years) followed by an examination at the end of each semester. Each semester will be of a minimum of hundred working days (16-18 weeks) excluding examinations and admission.

The course leading to the Degree of Bachelor of Education shall consist of two academic years (with four semesters and three inter semester breaks), which can be completed in a maximum of three years from the date of admission to the programme.

### **Working Days**

- a. There shall be at least two hundred working days each year exclusive of the period of examination and admission
- b. The Institution shall work for a minimum of thirty six hours in a week during which physical presence in the Institution of all the teachers and student teachers is necessary to ensure their availability for advice, guidance, dialogue and consultation as and when needed.
- c. The minimum attendance of student-teachers shall have to be 80% for all course work and practicum, and 90% for school internship.

### **Eligibility and Admission Procedure Eligibility:**

Candidates seeking admission to B.Ed. course must have:

- a) At least 50% marks in the Bachelor's degree and Master's degree in Sciences/Social Science Humanities

**Or**

- b) Bachelor's in Engineering or Technology specialization in Science and Mathematics with 55% marks or any other qualification equivalent thereto, are eligible for admission to the programme

The reservation and relaxation for SC/ST/OBC/PWD and other categories shall be as per the rules of the NCERT / Utkal University.

### **Admission Procedure:**

Admission shall be made on the basis of qualifying examination and/or entrance examination or any other selection procedure as per the policy of NCERT and/or Utkal University.

### **Attendance**

Each semester shall be taken as a unit for purpose of calculating attendance and a student shall be considered to have put in the required attendance for the Semester, if he /she has attended not less than 75% of the number of working periods (classes and practical taken together) during each semester.

Shortage of attendance up to 15% or prescribed percentage may be condoned by the Vice-Chancellor on the recommendations of the Chairperson of the Department and/ or Principal of the Institute as per the rules of Utkal University. There shall be no condonation if attendance is below 60% during any semester. A candidate who does not satisfy the requirement of attendance shall not be eligible to take examination of the concerned semester. A candidate, who fails to satisfy the requirement of attendance in a semester, shall re-join the same semester.

### **Medium of Instruction and examination**

The medium of instruction and examination is English except pedagogy of respective regional languages.

### **Scheme of Examinations:**

Every student seeking admission to the examination shall have to submit his/her application in a prescribed form through the principal of the Institute to the university in such date preceding to the date of examination as may be fixed in the University along with the required fees and documents.

- a. A candidate shall have to appear all the papers of the semester and have to secure the prescribed eligibility marks (40%) for promotion to the next semester.
- b. Duration of examination for theory paper of 70 marks and 35 marks shall be for 3 hours and 2 hours respectively. There shall be at least one question from each unit with internal choice. In case of theory papers, the internal assessment will be for 30 marks, assessed through test / assignments / seminar presentation etc. in the respective papers twice in each semester and consolidated marks statements is to be submitted to the university. The trainees need to complete at least one activity from the activities suggested under each paper.
- c. At least one week prior to the last working day, internal assessment marks secured by the candidates shall be displayed on the notice board. If a candidate has any grievance, the same shall be brought to the notice of the Principal/HOD in writing within specified time by the candidate. In the event, the Departmental Council finds the grievance genuine, then the Principal/HOD shall arrange for revaluation of test/assignment papers and effect the necessary correction(s). The decision of the Principal/ HOD in this regard shall be final.

- d. Department may decide to give test /assignment etc. to candidates who absent themselves for the internal examinations, only if, the Department is convinced that the absence of the candidate is on valid grounds. However, the Department may allow the candidate to avail this provision within the duration of the semester.
- e. The statement of internal assessment shall be sent to the Controller of Examination at least one week prior to the commencement of that particular semester examination.
- f. If any candidate secures less than the prescribed pass marks up to two theory papers shall be allowed to re-appear the same paper in next odd/even subsequent respective semester examination.
- g. Candidates securing less than 55% marks in aggregate may be allowed to appear for improvement in theory papers up to two immediate chances.
- h. A candidate may be allowed to complete the course within three years from the date of his/her admission.

## **Regulation Relating to the Master of Education (M.Ed.) Programme**

### **1. Rationale**

The 2-year M.Ed. programme is designed to provide opportunities for students to deepen their knowledge and understanding of Education as a discipline of study, leading to specialization in either elementary education or secondary education. The main thrust is on visualizing it as a professional programme to prepare teacher educators with expertise in specific areas. The programme has been intended to provide a longer integrated model which weaves balance between theory and field exposure. In the current developing scenario in education, new perspectives envisaged by NKC (2007), NCFTE (2009), RTE (2009) etc, there is a need to focus adequately to academic pursuits like curriculum and textbook development, research, policy analysis, and educational administration. In the backdrop of exponentially accelerating knowledge society and for catering to the needs of diverse population globally, the programme is framed with a broadened and in-depth vision of teacher educator. In addition, to cater to heterogeneous clientele, wide ranges of professional and academic inputs are incorporated.

The programme would develop a coherent perspective of socio-historical, politico-economic, philosophical, and psychological foundations of education-its policies, systems, Institutions, practices and processes among the prospective teacher educators. It would equip them with the core competencies and knowledge related to teacher education, its philosophical underpinnings, organization and methodology. It would lead prospective teacher educators to specialize in one of the stage specific thematic areas such as- curriculum, pedagogy and assessment; planning management and administration, ICT. The programme aims at developing in teacher educators skills related to independent study of literature, RIE, (NCERT), 2 Year. M.Ed Syllabus.

Research, academic writing, professional communication and team work. Through this endeavor, the future practitioners develop a deep and critical awareness of professional ethics and an ability to engage in and reflect on practice. Thus, the content and process involved in the programme is conceptualized to facilitate the student to function as a balanced person in the society and function as a capable teacher educator. In addition to providing the critical comprehension of foundational knowledge with the collective reflections, exploratory readings and inquiry through research this course would emphasize on field based

experiences combined with deep and lingering reflective practice. In-depth understanding of the disciplinary knowledge coupled with crucial competencies with strong ethical principles; the characteristics of a teacher professional is generated through providing opportunities to think, express and reflect. The expertise thus evolved from broad-based of knowledge and understanding, skill and judgement guided by theoretical considerations, public function, integrity and independence of professional judgement would make the teacher educator to function as a true professional.

## **2. Objectives**

The M. Ed. programme has been designed to

- Prepare teacher educators equipped with knowledge and competencies to conduct as professionals and continuing professional development
- Prepare teacher educators with specialization in stage specific core component.
- Develop teacher educators with deep and critical awareness of professional ethics and ability to critically engage in reflective practices
- Develop a rational conceptualization of educational research with an ability to carry out quality research in education.

## **3. The Clientele**

The M.Ed. degree holders will have the opportunity to work as teacher educators in CTES, IASES, DIETS, B.Ed. Institutes and University Education Departments. Further, they will be able to function in Boards/Councils of Secondary/Higher Secondary Education, Directorates of Education/Inspectorates, Schools affiliated to CBSE/Kendriya Vidyalaya Sangathan/Navodaya Vidyalaya Samiti, SCERTS/SIES as curriculum experts, evaluation experts, population education experts, Inspectors/Sub-inspectors of Primary/Secondary schools, education officers, head teachers/ principals, statistical officers/Planning Officers etc. who would require professional expertise/knowledge in the relevant areas. In addition, there is a need of teacher educators to prepare teachers at different levels such as Institutions dealing with alternative schooling and distance education. The new M.Ed. Programme caters to the needs of professional preparation of teacher educators at specific stages of education and simultaneously for job specific preparation of professional manpower to run various departments of education/ Institutions.



The course leading to the Degree of Master of Education, Regional Institute of Education, Bhubaneswar shall consist of two academic years (four semesters) followed in an examination at the end of each semester. There will be a minimum of hundred working days in a semester excluding examinations and admission process of the Institute/Institute.

#### **4. Duration:**

The course leading to the Degree of Master of Education shall consist of two academic years with four semesters.

#### **5. Eligibility:**

Candidates seeking admission to M.Ed. course must have passed:

a) B.Ed degree of 1 or 2 years duration,

**Or**

b) 4 year integrated teacher education degree programme (B.EL.Ed/BSc.Ed/BA.Ed/B.Sc. B.Ed/BA. B.Ed),

**Or**

C) D.EL.Ed/D.Ed with a Bachelor's degree (BA/B.Sc./B.Com) with 50% marks in the aggregate (in case of integrated degree course 50% aggregate marks in Education papers.)

However relaxation up-to 5% marks shall be given to the SC/ST candidates or as specified from time to time by the University/ Govt. of India. It is essential that an entrance examination (which may include a written test and an interview) is conducted for selection of the students.

**Note:** Candidates with D.El.Ed. /D.Ed. /B.El.Ed. will be eligible for core specialization in Elementary Education.

#### **6. Attendance**

Each semester shall be taken as a unit for purpose of calculating attendance and a student shall be considered to have put in the required attendance for the Semester, if he/she has attended not less than 75% of the number of working periods (lectures, seminars and practical taken together) during each semester.

Shortage of attendance up to 15% or prescribed percentage may be condoned by the Vice-Chancellor on the recommendations of the Chairperson of the Department and/or Principal of the Institute /Institute as per rules of the Utkal University. There shall be no condonation if attendance is below 60% during any semester. A candidate who does not satisfy the

requirement of attendance shall not be eligible to take examination of the concerned semester. A candidate, who fails to satisfy the requirement of attendance in a semester, shall re-join the same semester.

### **7. Medium of Instruction and examination**

The medium of instruction and examination is English.

### **8. Choice Based Credit System (CBCS)**

Choice Based Credit Courses would be offered across the departments and within the department on an experimental basis. As the programme intends to enrich the students with added professional inputs the choice based credit courses would offer relevant courses to enhance their professionalism. Each course would comprise of four classes per week for at least 12 weeks which would lead to accumulation of four credits at the end of the semester. The students can select the course in the beginning of semester-II and can complete it before the end of semester- IV. Examinations will be conducted during every semester along with the semester end examination onwards.

### **9. Scheme of Examinations: A. Examination in Theory Papers:**

Every student seeking admission to the examination shall have to submit his/her application in a prescribed form through the principal of the Institute to the university in such date preceding to the date of examination as may be fixed in the University along with the required fees and documents.

- a. A candidate shall have to appear all the papers of the Semester and have to secure the prescribed eligibility marks (40%) for promotion to the next Semester.
- b. Duration of examination for theory paper of 70 marks shall be for 3 hours. There shall be at least one question from each unit with internal choice. In case of theory papers, the internal assessment will be for 30 marks, assessed through test / assignments /seminar presentation etc. in the respective papers twice in each semester and consolidated marks statements is to be submitted to the university.
- c. At least one week prior to the last working day, internal assessment marks secured by the candidates shall be displayed on the notice board. If a candidate has any grievance, the same shall be brought to the notice of the Principal/HOD in writing within specified time by the candidate. In the event, the Departmental Council finds the grievance genuine, then the Principal/HOD shall arrange for revaluation of test/assignment papers

and effect the necessary correction(s). The decision of the Principal/ HOD in this regard shall be final.

- d. Department may decide to give test/assignment etc. to candidates who absent themselves for the internal examinations, only if, the Department is convinced that the absence of the candidate is on valid grounds. However, the Department may allow the candidate to avail this provision within the duration of the semester.
- e. The statement of internal assessment shall be sent to the Controller of Examination at least one week prior to the commencement of that particular semester examination.
- f. If any candidate secures less than the prescribed pass marks to two theory papers shall be allowed to re-appear the same paper in next odd/even subsequent respective semester examination.
- g. Candidates securing less than 55% marks in aggregate may be allowed to appear for improvement in theory papers up to two immediate chances.
- h. A candidate may be allowed to complete the course within four years from the date of his/her admission.

#### **B. Dissertation:**

1. Dissertation work shall commence from semester II and shall be completed by the end of semester IV.
2. The candidate shall have to carry out research study, under supervision of a faculty in the department as allotted by the Department of Education of the Institute.
3. The candidate shall have to complete the dissertation on a research study characterized either by discovery of facts from the area of his/her specialization.
4. The candidate shall have to submit 3 typed copies of the dissertation duly certified by the supervisor/Guide before commencement of their examination. Each dissertation shall have declaration by the candidate that
5. The dissertation embodies result of his/her own work and a certificate from supervisor to the effect that the dissertation is candidates' own work. The dissertation shall be examined out of 100 marks by two examiners (internal and external) and shall conduct the viva voce jointly and submit the assigned marks to the principal/ superintendent of the examination for making average before onward transmission to the University.

## **10. Conduct of Examination**

(a) (i) the written examinations in theory papers shall be held ordinarily at the end of each semester.

(ii) A period of one week for preparation would be allowed to the candidates before the examination.

(b) The Head/Principal shall as soon as possible forward the copies of dissertation to the Internal and External examiners; and in consultation with the Principal and external examiner shall fix a date for the Viva-voce to be conducted in the Institute. The assessment of dissertation and viva-voce ordinarily shall be within 10 days from the last day of written examination.

A candidate seeking re-admission to a subsequent examination shall submit his/her application in prescribed form to the Principal of the RIE indicating clearly the part or full examination in which he/she has to reappear, together with fees required by regulation and a copy of statement of marks obtained earlier and has to complete the course within two consecutive chances.

All other matters not specifically provided in this ordinance/ regulation shall be governed by the relevant provisions of general ordinance of the Utkal University. The norms and regulations prescribed from time to time by the NCTE will also apply to the programme.

Besides these there is provision for M.Phil degree for which the eligibility criteria is M.A. in Education or M.Ed. Degree with at least 55% marks.

### **How to Apply?**

- Candidates have to visit the official website of the NCERT-CEE and register themselves.
- Then, log in to the account created and duly fill up the necessary details.
- Select the exam centre, fill in the qualifying examination from the drop down menu and upload the recent photograph and signatures in the required JPG or JPEG format.

The fee for entrance examination is applicable to all the candidates as per the rate shown below:

- For General/OBC Category Students- Rs.1000/-
- For SC/ST Category Students- Rs.500/-
- For Person with Disability (PwD) of any category Students- Rs.500/-
- For Economically Weaker Section Candidates- Rs.500/-
- Save the application form after making the payment and visit the Institute along with application form and other required documents after getting selected in CEE Examination for admission.

### **RIE Bhubaneswar Scholarships**

As per the NCERT curriculum, all SC, ST, and 50% of the remaining students are granted scholarships based on the merit list of admission and their financial conditions. To avail of the scholarship, candidates must submit their guardian's income certificate and it will be mandatory for them to stay inside the hostel of the campus after getting the scholarship. The scholarships are revised every year as per the government norms.

The Institute being a part of NCERT offers scholarships to its needy and meritorious students. The amount of scholarship that the students avail ranges from INR 400 for general category students to INR 800 for reserved category students. INR 1200 per month are offered for students pursuing M.Ed.

### **RIE Bhubaneswar Placements**

RIE, BBSR provides 100% placement to all the students. Campus selection for different institutions is done based on merit.

- High-profile schools seek highly qualified teachers and educators and offer compensation between 8000/- to 40000/- monthly.
- Almost all students get placement in high profile schools such as Army Schools, Central School (KV), and JNVs and are paid handsome salaries.

Some candidates with M.Ed. degree are also appointed as headmaster/principal of KVs and JNVs and some of them apply for junior lecturer in degree colleges after passing NET.

There are several schools and coaching institutes that offer placement and recruitment with sufficient stipends. So it's all up to you whether you want to join as a teacher or lecturer or want to continue your further studies to settle somewhere else, maybe abroad.

**Code of conduct for students:**

The Institute has its own code of conduct to guide the students. Under this code students are restricted from using mobile phones or other electronic media during academic hours and inside the library. The timing of entering into college building and leaving is strictly followed as per the time schedule. Students are motivated to participate in various activities of the Institute- from sports and games to various curricular and other – curricular events. All the boarders are to abide by the hostel rules and regulations. If any deviation is found on their part, the disciplinary committee is to decide the type of punishment including expulsion from the Institute. The Institute is not responsible for any kind of unforeseen eventualities. For going home or availing leave, students need to take permission from the competent authority of the Institute.

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## Facilities Provided to the Students

### Library

The Library is located centrally in the Institute main building comprising of one Stack room, Reading halls, Reference Section, Periodical Section, Technical Section, Circulation Counter, Browsing room (Computers) and Reprography room etc. It is easily accessible from all the departments. The Library functions from 9 A.M. to 7.30 P.M. on every working day and from 9.30 a.m. to 5 p.m. on Saturdays and Sundays. Library Established in the year- 1963. The library is fully automated using KOHA open source library automation software. The Online Public Access Catalogue (OPAC) is provided for easy searching and retrieval of library documents. In-house publications of the Institute is being digitalised and uploaded in the Institutional Repository for online and easy access of users. The Library is equipped with the software and hardware (JAWS Talking Screen Reader for the blind, Zoom Text Screen Magnifier/ reader for partial blind and Clear Reader + Basic Text Reading machine) to enable the use of library by visually/ partial visual impaired students.

#### Library Collection:

It has a collection of more than 85,000 documents on the various disciplines. The main collection is in the field of Education, School Education, Teacher Education, Science Education, Social Science Education and Language Education. The collection of Library comprises of Books, Encyclopaedias, Dictionaries, Atlases, Maps, Back Volumes of Journals, Annual Reports, Yearbooks, Conference proceedings, Educational Surveys and Reports, M.Ed. dissertations, Ph.D. Thesis and NCERT publications. The library is subscribing to several national and international journals both print and online. It also provides access to important e-resources through N-LIST platform.

- Number of Books- **82,000**
- Back Volumes of Journals-**3000**
- No. of Current journals -**100**
- Newspapers-**15**
- New additions per year – **550 (average)**



## **Membership:**

All students, faculty members and employees of the Institute are eligible for membership of the library. The registered members are issued Borrower card/ Ticket corresponding to their entitlement in terms of the number of books that can be borrowed by them. The category of members is as follows:

1. Students
2. Faculty members
3. Research scholars
4. DMS Teaching staff
5. Non-teaching staff of Institute and DMS

## **Services:**

The Library provides following services:

- Open Access System
- Book lending service
- Reference Services
- Current content service (Journal and magazines)
- CAS and SDI Services
- Reprographic Services
- Online Public Access Catalogue (OPAC)
- Database Service
- Newspaper Clippings on education and related topics
- Digital Library service
- Extension Services (Library Website, Mobile apps,)
- Information to the users.
- Access to e-Resources through N-LIST
- Library Orientation Service
- Resource sharing



## **Rules and Regulations:**

- The Institute library may be used by the following categories of members. a) Registered members of the library (Students and Staff) b) Persons doing research or working for a project under the guidance of any member of the teaching staff of the Institute.
- NB: Period of loan may be restricted to 7 days in case of special types of books such as rare and valuable books and bound journals.
- Loan Privileges and period of loan from the Institute Library are according to the category of student and staff.
- Reference books such as Dictionaries, Encyclopaedias, Yearbooks, Almanacs, Handbooks etc. and also those books, which are marked 'Reserved', are not to be lent out.
- Periodicals in general are not to be lent out and newspapers are not to be removed from their respective places.
- Reference books taken against identity cards for reading in the library are to be returned on the same day.
- Books borrowed from the library must not be lent to others.
- The loss of library cards should be reported to the Librarian immediately. A fine of rupees twenty will be realised per card if the user loses the library card issued to them. If any book is found issued on the lost card, double the price of the book is to be paid by the user.
- Books or other reading-materials issued from the Library can be called back by the Librarian before the due date. The Librarian is authorised to issue a letter to any borrower if he/she fails to return books on due dates.
- Books must be returned within the period of loan specified in Clause 2. The loan privileges are liable to be suspended if the borrower repeatedly fails to return the books in time.
- For the re-issue of any book, the borrower must bring the book to the Library. Re-issue of a book can be done only when there is no demand for it.
- A book, which is on loan, can be reserved for a member by filling in the Reservation slip. The requisitioned book will be kept for him/her for three days. If it is not taken within three days, the reservation will stand cancelled.
- No tracing or mechanical reproduction from a book of the Library shall be made without the permission of the Librarian in writing.
- Borrowers must satisfy themselves about the physical condition of book before borrowing.

- If any borrower keeps a library book in his/her possession for more than the time allowed for the purpose, a fine will be charged at the rate of 0.50 paisa per day per book for the first 7 days after due date and 1.00 Rupee per day per book thereafter. The holiday(s) intervening between the period will not be counted.
- In case of the loss of book, the borrower may replace the book by a new copy within due date of return without fine. But if they do not replace the book, the cost of the book plus 25% penalty will be recovered from them.
- Readers are not allowed to bring their personal books or any printed materials and other personal belongings like bags, umbrellas etc. inside the library. These materials are to be kept at the janitors counter at their own risk.
- All books and other materials issued from the library should be got checked at the counter before it is taken out of the Library.
- Readers should not write in, mark or otherwise disfigure/damage books, furniture's etc.
- Readers should observe strict silence and switch off their mobile phones etc. inside the library.
- If the user is found to possess a book of the library without getting it issued, disciplinary action to the extent of expulsion from the Institute will be taken against them.
- The clearance certificate will be issued to a member on return of the books/borrowers ticket loaned to them.

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## Laboratories

### Geography Lab

The lab is located at the DESSH Department which is an Integral part of the department. It is equipped with all the necessary equipment for cartography based practical. It provides tracing tables, toposheets, rotameters, scientific calculators, geometry sets, atlases, physical and political maps of India, world maps, weather charts and meteorological records. It also has the facility of GPS for navigation and tracking.



### Physics Lab

There are three Physics Labs out of which one is Electricity and Electronics, the other is Optics and the third one is for mechanics, heat and thermodynamics. The lab is well equipped with wi-fi facility. Lab is the central and integral part of the physics department. The laboratory is the place where students perform experiments and learn to practice the activities of scientists – asking questions, performing experiments, collecting data, analyzing data, answering questions and thinking of new questions to explore. The lab is equipped with the valuable experiments like Four probe method setup, Hall effect setup, Resonance phenomena in LCR circuits, Magnetic field from Helmholtz coil, Hysteresis loss and magnetic susceptibility by tracing B-H curve, Planck's constant by a photo cell setup, Ultrasonic experiment setup, PIN diode, Modulus of Rigidity of a wire by Maxwell's Needle, etc.



## **Chemistry Lab**

The laboratories of chemistry section are well equipped with instruments and apparatus to cater to the needs of conducting practical classes of IV year integrated B Sc B Ed students and II Year B Ed students.

In physical laboratory experiments such as spectroscopic analysis of chemicals for identification and concentration is carried out; and for the purpose the laboratory is equipped with a spectrophotometer of UV and visible range. Other experiments like study of rate of reaction and saponification value of esters and oils are also carried out by the students in the lab.

Experiments for the study of optical activity of sugars and other chemicals are also carried out by the students in the lab. So the lab is provided with polar meters. The lab is equipped with other instruments like microprocessor based conductivity bridges, ph meters and potentiometers for finding out conductivity and ph of chemicals and solutions and strength of solutions. To carry out experiments like chromatography, instruments like hot air ovens are also provided to the labs in addition to high speed centrifuges.

Inorganic lab has equipments such as vacuum pump, hot air ovens and digital balances for gravimetric analysis of compounds are carried out.



## **Botany Lab**

Botany laboratory is well equipped for undergraduate students to perform various Botany practical which are necessary for the study of the structure, properties and biochemical processes of all forms of plant life as well as plant classification, plant diseases and the interaction of plants with their physical environment. The laboratory is spacious, well

ventilated and are equipped with the necessary instruments such as Dissecting Microscope, Compound Microscope, Binocular Microscope, Trinocular Microscope, Digital pH meter, Autoclave, Digital Centrifuge, Ultracentrifuge, Visible and Uv-Visible Double Beam Spectro-Photo Meter, Colorimeter, Conductivity Meter, Flask Shaker, Laminar Air Flow, Oven, Flame Photometer, Gel Electrophoresis Unit, Camera, Lucida, MIPS etc. Botany laboratory is also supplemented with a Herbarium rack for storing common and RET plants, charts, specimens, glass slab, permanent slides to understand structure of various bio molecules and plants used regularly in practical classes. There is a botanical garden as additional assets to botany department. Tissue culture laboratory is associated with the botany department for culturing plant tissue invitro for regeneration of callus into plantlets.



### **Zoology Lab**

The laboratory is well equipped to facilitate the students to conduct various practical related to animal physiology, biochemistry, development biology, histology, cytology and animal biodiversity studies etc. Students are guided to use the instruments like spectrophotometer, centrifuge, pH meter, colorimeter, sphygmomanometer, microtome etc. As per the syllabus they have to study many micro-organisation for which microscopes are required. High quality microscope like binocular compound microscope, trinocular research microscope, stereoscopic microscope and simple microscopes are well maintained in the laboratory. Magnifying glasses with built - in light system are also used by the students to identify very small animals from their morphology. Besides we have a good collection of permanent slides both articulated and disarticulated bones of different vertebrates, available for student's practical classes.

Biology Museum: The biology museum has a large number of both animal and plant preserved specimens, stuffed animals, models of organs and organ systems of animals. These facilitate the students to study the taxonomy of animal kingdom, and students are also motivated to collect animals, preserve those in the museum.



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## **ICT Studio for- E-Learning**

ICT Studio was established in RIE, BBSR in the year 2015-16. The motto of ICT Studio is to integrate ICT in teaching learning process for school Education Curriculum and Teacher Education Curriculum. The involvement of ICT in teaching learning process makes it more effective than normal traditional Process. The achievement of ICT Studio of the Institute are as follows.

### **Pogramme Produced till Now**

<b>Sl No</b>	<b>Year of Production</b>	<b>Subject</b>	<b>Total</b>	<b>Upload/Telecast</b>
1	2017-18	Science Class- VI	69	Upload in CIET NCERT Drive
2	2018-19	Science Class- VII Indian Culture &Heritage	62	Upload in CIET NCERT Drive
3	2019- 20	Sanskrit, Indian Culture &Heritage	87	Upload in CIET NCERT Drive
4	2020- 21	Class- V & IX Total CBSE Syllabus	418	Telecast in PM- E-Vidya Channel
5	2021-22	Yoga, Vedic Math ,on shown hero's biography for 75 <sup>th</sup> Azadi kaAmritMahotsav	303	30 Pogramme Telecast in PM- E-Vidya Channel

### **ICTAwards:**

1. ICT Studio got one best Audio Programme award in 22<sup>nd</sup> All India Children Audio Video Festival 2017-18
2. ICT Studio got One Audio Programme got best programme award in 23<sup>rd</sup> All India Children Audio Video Festival 2018-19
3. Four (4) Pogrammes (1 Institute & 3 Individual ) got ICT awards in 24<sup>th</sup> All India Children Audio Video Festival 2019-20
4. Five (05) number of Pogrammes (2 ICT Studio & 3 Individual) got ICT awards in 25<sup>th</sup> All India Children Audio Video Festival 2020-21
5. Five (05) nosPogramme (2 ICT Studio & 3 Individual) got ICT awards in 26<sup>th</sup> All India Children Audio Video Festival 2021-22

During Covid Pandemic situation the ICT studio played a major role in production of E-content Programs along with online/live classes for class- v & ix of CBSE syllabus across the country through PME-Vidya Platform. Besides the above, the studio also engaged in production of E-content programmes for Odia Medium Schools class-ix, i, ii to be telecast in Door Darshan (Odia Channel).

During the observation of Azadi Ka Amrit Mahostav the studio produced programmes on the biography of 75<sup>th</sup> un-shown Heroes of the state of Odisha who sacrificed their life for the independence of the country.

The studio gives opportunities to the students of the Institute to enhance their knowledge about ICT tools development of E-contents.

The students also take demo classes inside the studio for the enhancement of their teaching learning process more effective.

Live panel discussion for the PM E-Vidya Channel like Manodarpan, Paricharcha, Sahyog are being telecasted time to time for improvement of physical and mental health of the students.

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## Resource Centre

### Educational Resource Room

- The Educational Resource room has been developed in Institute's main building, in room number 125.
- More than 250 types of activities from Physics, Chemistry, Mathematics, Biology and Social Sciences (Geography) have been developed and kept for demonstration and use.
- The main objective is to enhance the creativity among the students as well as the student-teachers.

### Educational Theme Park

- Inside the R.I.E, Bhubaneswar campus, adjacent to the DM School building, the Educational Theme Park has been developed in an area of about 4800 sq. meters.
- Currently 21 theme based models have been set up in the first phase of development. The main objective is to engage students in live activity.
- The main task of the theme park is to ensure the conditions, the purpose of which is to explore the world in the process of entertainment.
- A successful theme park must be anchored with memorable attractions that people want to ride or see over and over again. Great attractions are inclusive and aren't overly restrictive.



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## Herbal Garden

- Inside the R.I.E, Bhubaneswar campus, adjacent to the Institute's main building, the Herbal Garden of Medicinal Plants has been developed within an area of about 1.5 acres. More than 200 types of common, rare and endangered species of medicinal plants have been planted and grown with utmost care and devotion.
- The main objective is to disseminate the knowledge of herbal medicines and medicinal plants among school children, Institute students and lay public.
- Herbal Garden can contribute knowledge with regard to nature, environment, relevance and quality of education and life skills.
- Gardening will improve the knowledge about planting, polypods, soil mixtures and nutritional aspects to develop the Home Garden.
- Herbal Gardens offer a great opportunity for improving the quality of education and for learning of basic life skills.
- Herbal Gardens can serve as a laboratory for teaching, biology and environmental studies.

## Canteen

The Annapurna Canteen of the Institute is centrally located in between the Institute and DM school building. The Management of the Canteen is directly under the control of the Institute Administration. All students and staffs of the Institute as well as DM school are benefited by the canteen. The menu is being planned by the assigned team of Canteen Management and instructions are given to the Contractor to maintain the hygienic standard of the food. The canteen is also used to serve food during the PAC programmes and meetings of the Institute.



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## Post Office

Madhusudan Nagar Post Office is functioning in the premises of Regional Institute of Education Building, Bhubaneswar. The data sought for are given as follows:

**Timing:**The Post office functions from 0930 hrs to 1730 hrs every day except Saturdays. On Saturday it is half day and Post Office functions from 0930 hrs to 1400hrs.

Post Office remains closed on all Sundays, national holidays and on the holidays as per Central Government gazette notification.

### Facilities provided:

- I. Booking of national /international mails like Registered post, Speed post, Parcel, booking of Money order, Sale /payment of IPO, product sale e-payment miscellaneous services, CSC services etc.
- II. Saving Bank transactions like opening and operating of SB, RD, PPF, NSC, KVP, SCSS, MIS, SSA accounts
- III. IPPB account opening and transactions
- IV. Sale of insurance policy like PLI and RPLI and transitions in the insurance accounts.
- V. Provision of letter box for Ordinary posts.

### Address:

Madhusudan Nagar  
Sub Post Office at RIE,  
Bhubaneswar,  
PIN: 751022  
Contact no:-0674-2540191



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## **Bank**

There is a branch of State Bank of India inside the Institute campus itself near the Academic Block for the ease and benefit of students. It performs all basic functions for the students such as account creation, account updating, passbook creation, money deposition and withdrawal, debit card or credit card issuing etc. It's of great help as the Institute provides scholarships to the students and many students are unaware of this. They are thus required to create a bank account for themselves after coming here and a bank branch being inside the campus itself provides great ease and comfort to the students to create or update their bank account. It's especially of great help to students coming from faraway states such as Arunachal Pradesh, Assam, Manipur and Meghalaya etc. as they are not well acquainted with the landscape outside the campus.

## **Dispensary**

Inside the RIE BBSR campus, the Dispensary is located adjacent to the rear entrance of Administrative Block. From Monday to Saturday the Dispensary remains open from 9:00 AM to 12:30 PM, and after a gap of 2 hours it remains open from 2:30pm to 5:30 PM. It remains closed on Sundays and Gazetted Holidays.

### **Facilities Provided:**

- All type of first aid medical services, like providing reliable Medicines, Injections, saline and all first aid dressing works like stitching etc.
- First aid test facilities like measuring BP, SPO2, and glucose level DM type 1 and 2, Nebulising etc.
- Medical service supports in programmes like sports, student and staff athletic meets etc. unconditional supports for the blood donation camps, polio camps, vaccination camps etc.

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## **Boys Hostel**

Homibhabha Hostel is the sole residential block for the Male students of RIE Bhubaneswar.

Infrastructure: This hostel is located at the back of the Institute's area alongside the staff residence. There are around 300 male student boarders that stay in the hostel. There are around 110 rooms in the hostel, thus each room houses 3 students. The rooms are spacious enough and can easily accommodate 3 students along with bed and lodgings. The hostel is divided into 3 separate units and each unit has 3 floors and each floor has 12 / 13 rooms. Each floor is equipped with 4 bathrooms and 4 toilets each with round the clock water supply for the ease of students. There are 2 residential wardens who stay with the students to look after the smooth management of the hostel and provide any needed assistance to the students. There are two non-residential wardens and a chief warden other than the residential wardens who look after the hostel and the boarders.

Facilities provided: As to the food facilities, there is a mess inside the hostel that is run by the students themselves. There is provision of 3 meals per day for the students which are breakfast, lunch and dinner. The food items are all constantly reviewed and changed on a monthly basis according to the opinion of the boarders.

For the students who are interested in playing, there is an extensive playground right in front of the hostel with proper facilities and equipments to play various sports such as cricket, football, volleyball, basketball etc. Other than that, facilities for playing badminton and table tennis are provided in the hostel itself. There is a hostel common room as well where cultural and recreational activities are organized regularly such as debates, quizzes, poem, recitation etc. There are fixed outing time for the students in a week.

## **Girls Hostel**

There are three girls hostel in the Institute.

1. Ramanujan Hostel
2. Gopabandhu Hostel
3. Ashutosh Hostel

Infrastructure: There are 58 rooms in Ramunajan, 108 rooms in Gopabandhu and 49 rooms in Ashutosh Hostel. Apart from this, in each of these hostels there is a quarter for Residential Warden, one common hall (used for study, functions and parents meeting), dining hall,

storeroom, washrooms for girls and rooms for mess workers including gardener.

Facilities provided: Students are provided with 24hours Wi-Fi connection. The hostel has two aquaguard filters for freshwater supply. Sports equipments for badminton, carom board, volleyball etc is provided to the interested students. Table tennis is also available for the students. Different sports and cultural programs are organized by the hostel for mental as well as physical fitness.

**Rules and regulations:**

- Outing timing – Morning 6am to evening 8pm.
- Register maintained for the students attendance (Girls have to put their signature at night between 8pm-8:30 pm in order to verify their presence in the hostel)
- No electronic items are allowed other than phones and laptop.
- Students are allowed to leave the hostel after taking parents' consent.
- **Fee-Structure:**

Mess Advance for one month – 2550/-

Mess Advance for Current Month – 2550/-

Hostel establishment charge for the first six months – 3960/-

Hostel Cultural activities for One Year– 500/-

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## Computer Application Centre

The Computer application Centre comprises of two laboratories with server room and store room along with Head & In-charge's chamber. It is having hundreds of PCs and laptops fully loaded with all essential software and internet with Wi-Fi connectivity. The Computer application Centre opens from 9 A.M. to 5.30 P.M. on every working day.



**CAC Lab 1**



**CAC Lab 2**



**CAC Lab 3**

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## **Students' Council**

1. Every student has to pay an annual subscription of Rs. 500/ to the Students'-Council Fund, which shall be utilised for physical, social and cultural activities of the students.
2. Every student admitted to the Institute is ipso facto a member of the Students' Council.
3. The Principal shall be the Chief Adviser of the Students' Council. He will nominate one member of staff to act as Adviser to the Students' Council.
4. There shall be an Executive Committee of the Students' Council consisting of representatives of the different classes of the Institute, Joint Advisers, Convenors of Games, Cultural Activities etc., the Adviser, the Dean and the Principal.
5. The Executive Committee will hold Office for one session.
6. Each class will elect one representative for every 40 students or part thereof.
7. To be eligible for election as class-representative, a student should have passed the preceding annual examination in the first attempt.
8. The class-representatives so elected will elect from among themselves.
9. The Executive Committee will plan and organise all student-activities, for the session.
10. The meetings of the Executive Committee shall be called by the Adviser.
11. The class-representatives will help in maintaining discipline in their classes and will also look to the general discipline of the Institute.
12. No meeting of the Students' Council or its Executive Committee shall be convened without the prior approval of the Principal.
13. The Adviser will scrutinise and pass all vouchers of the Students' Council.
14. All matters of the Students' Council or the Executive Committee will be decided by majority vote.
15. Vote of no-confidence against any Office-holder can be passed only by two-thirds of the student members of the Executive Committee present at a meeting of the Executive Committee. Such a person will continue to be an ordinary member of the Executive Committee thereafter, being a class representative.
16. Vote of no-confidence against a class-representative can be moved by the students of the class. For this, at least half the students of the class shall, in an application to the Adviser, request for a meeting of the class to move the vote of no-confidence. The meeting of the class will be called by the Adviser giving 7 days' notice. Vote of no-confidence shall be passed only with two-thirds of the students present voting for it.
20. If a class-representative is voted out of confidence by any class, the place will be filled by election from the same class immediately thereafter.

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## Games and Sports

The Physical Education section comes under the Department of Education of the Institute. It looks after health, physical education and recreation of the students by conducting regular practice sessions in various games and sports. The Athletic Society of the Institute is organized under the auspices of this section. Annual sports meet of the Institute is conducted every year and selected athletes join the Inter Institute athletic meet conducted by the Utkal University and other universities.

Basketball Court



Football Playground



Tennis Court



### Sports, Physical Education and Yoga:

RIE, BBSR provides many opportunities for students and faculties to participate in Sports, Physical Education and Yoga activities of their choice. Traditional sports are all well catered for, but everyone also have the option of exciting individual pursuits such as Tennis, Badminton, Football etc. Our Sport & Physical Education and Yoga Department provides for all levels of sport from social programmes through to high performance sport.



RIE, BBSR has a proud record of achievement both in the Inter-college tournament and at the National level Tournaments. Year after year, RIE, BBSR has produced a number of sports people who achieve the highest honour of representing Institute, Utkal University as well as Odisha.

### Sports

development and transformation are taken very seriously at RIE, BBSR. Our students are actively engaged in promoting sport in the local communities and within their expertise on campus. Every arena welcome new member from novices to the more experienced athletes, and the sports hubs are equipped to deal with the needs of each individual.



Sports facilities include two artificial International standard tennis field, an indoor sports complex having badminton facilities in particular, and excellent soccer, rugby, cricket, basketball, volleyball and fitness centre facilities.

With an excellent record in a wide variety of sports, RIE, BBSR is keen to continue attracting top sports people to the campus. If you have played provincial or national representative sport at any level, you could be eligible for a Sporting Scholarship to assist in financing your studies at RIE, BBSR.

Eligible and top players of RIE, BBSR are awarded with awards in annual award ceremony.

### **Sports on Offer:**

Athletics, Badminton, Basketball, Chess, Cricket, Fitness centre, Cycling, Gymnastics, Hockey, Ju jitsu, Karate, Soccer, Table tennis, Taekwondo, Tennis, Volleyball, Yoga, Throwball, Kabbadi, Kho-Kho etc.



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### **Extension Activities**

The Institute has an Extension Department. The main function of the Department is to plan, conduct, organise and coordinate In-service Programmes proposed by various departments of the Institute. In-service training programmes in educational innovation, in the areas of Science, Education, Technology, Languages, Social Sciences, S.C./S.T. Education, Universalisation of Elementary Education, Special Education, Research Methodology, Population Education, Educational Technology, Non Formal Education are being organised on a regular basis in different States in the Eastern Region. It also collaborates in the Extension activities organised by the Council in the Institute for participants of the Eastern Region.

Extension Department assists the Institute in organizing various in-service and extension programmes in school Education including teacher education for the states and UT under its jurisdiction. It also monitors activities under integrated scheme for Samagra Shiksha Abhiyan.

The Institute works in collaboration with many agencies and Institutes in the Eastern Region for providing guidance in school and teacher education to various categories of personnel such as teachers, teacher educators, educational administrators, question paper setters, textbook writers through State Co-ordination committee (SCC) as part of its extension activities covering all the States and UT under its jurisdiction. Eminent scholars are invited on several occasions to deliver talks on various issues and concerns of education under the extension lecture series.

### **Research Facilities**

Being an apex body at the regional level RIE, Bhubaneswar undertakes research programmes related to different aspects of school education. The priority areas of Research include curricular studies, educational concerns, pedagogic practices and learning processes, systematic concerns such as Teacher preparation, examination reform, ICT integration in education and other areas identified by NCERT from time to time. Emphasis is given on promotion of research which is inter-disciplinary in character and has educational relevance. Financial support for research is available through ERIC, NCERT, UGC, ICSSR, CSIR and ICAR.

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### **Alumni Association**

Since its inception in 2010 the Alumni Association of RIE, Bhubaneswar has been closely associated with various activities of the Institute. It has taken up many activities for intellectual development of students like holding literary competitions and arranging extramural talks by inviting eminent speakers.

## **Intellectual Development –**

### a) Extramural Talks.

To broaden the horizon of knowledge of the students' extramural talks are arranged by the association by inviting speakers from various fields like Science, Literature and Education. The talkers are mostly from alumni of the Institute. The invitees are usually those who have excelled in their fields and could be role models our present students.

### b) Alumni Corner

The Alumni Corner is an innovative step of the association. No text books are kept here as those are available in the RIE library. Reference books, year books and guide books for various entrance examinations required in areas not dealt with in class-rooms are kept here. It has attracted the students' attention remarkably. The Alumni of the Institute has also donated books for the book bank which is meant for needy students.

## **Socialization and Beautification-**

### a) Motivation of students

Executive Committee members and office bearers of the association visit hostels to welcome new students and to motivate them to have a peaceful life in a multilingual and plural--cultural society of which our Institute is a miniature model. The young students are also advised to be sincere and aim at their goal of achieving academic excellence.

### Plantation in RIE campus.

The plantation drive has been taken up for a year from 1st September, 2021, the NCERT foundation day till the same day of next year aiming at beautification of RIE campus. Plantation was taken up around the tennis court, by the side of the new auditorium and in front of the Sarojini hostel in different phases.

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## **The Demonstration Multipurpose School**

The Demonstration Multipurpose Higher Secondary School established in 1964 is a constituent unit of Regional Institute of Education, Bhubaneswar. It is one of four such Schools in the country, the other three being at Ajmer (Rajasthan), Bhopal (M.P.) and Mysore (Karnataka). It is affiliated to the Central Board of Secondary Education, New Delhi.

The school imparts education on the 'Ten-Plus-Two' pattern. It serves as a laboratory for the Regional Institute of Education, Bhubaneswar, for identification, analysis and research of major problems in school education and for experiments thereon with a view to enabling the prospective teachers to observe, learn and participate in teaching through internship programme. It serves as a centre for study in curriculum development as well.

The school has a comprehensive programme of all-round education for classes from I to XII. Adequate emphasis is laid on all aspects of curriculum including Art Education (Painting and Music), Physical and Health Education, Socially Useful Productive Work, etc. There are facilities for training in areas such as Electrical Gadgets, Radio/Electronics, Wood-work, Typing, Printing, Gardening, Tailoring Knitting and Embroidery, Metal work, Welding, Batik Work and Music. The latest addition has been Computer Application 4. At the +2 level there is provision for both Academic and Vocational Courses, the former in Arts, Commerce and Science and the latter in Fabrication and Electronics.

The medium of instruction throughout is English. However, from Classes V to VII, students may study in Odia medium also.

The three-language-formula is followed in the school. The languages taught in the school are English, Hindi, Odia, Bengali and Sanskrit. One has to take Hindi either as 'A' Course or 'B' Course or 'C' Course.

However, if the number of students desiring an optional subject is less than five, it will not be possible to provide for instruction in it.

There are facilities for one Junior Division Boys, for Army Wing of the N.C.C. with 100 Cadets and one officer.

It has a good Library with more than 26,000 books, 37 periodicals and 8 dailies.

The school provides transport facilities for students on a limited scale, covering some of the areas in Bhubaneswar at the rate prescribed from time to time. Admission in the School does not guarantee bus-facilities.

The School Uniform: All the children studying in the school are required to attend the School in the prescribed uniform only.

The school participates in the INDEM (Inter Demonstration Multipurpose School Meet) meant for the four D. M. Schools held every year at the National Level in rotation at the four Schools. The events include literary, cultural and athletic activities.

The following are the subjects of study for various classes:

### **1) Class I to VI**

- i. English Course A
- ii. Hindi/Odia / Bengali Course A
- iii. Mathematics
- iv. Environmental Studies / Social Studies
- v. General Science
- vi. Work Experience
- vii. HPER (Health, Physical Education and Recreation).
- viii. Music and Drawing (from Class I to Class IV).

### **2) Class VII and VIII**

In addition to the above students will have to offer three languages such as:

1. English-Course A
2. Hindi / Bengali / Odia-Course A
3. Hindi / Bengali / Odia / Sanskrit-Course C

NOTE: - English is Compulsory. Hindi must be offered either as course A or C.

### **3)Classes IX and X**

The learning areas will include:

1. English
2. Hindi
3. Any other language out of: Bengali, Odia and Sanskrit.
4. Mathematics
5. Science
6. Social Science (History and Geography will be spread over two years. Study of Economics will be over at Class IX and that of Civics will begin in Class X).
7. Work Experience
8. Art Education (Painting / Music)

#### 4) **Classes XI and XII**

The following combinations of subjects are available.

Compulsory subjects for all the streams:

- I. English (Core)
- II. SUPW (not for vocational)
- III. H. P. E. R.
- IV. General Studies / G. F. C.

Elective subjects for Humanities, Commerce and Science Streams:

A student has to choose four Electives among the combinations given below:

##### **1) Humanities Stream**

- i) History
- ii) Political Science.
- iii) Economics / Hindi / Bengali / Odia / Sanskrit
- iv) Mathematics / Geography/Music/ Painting.

##### **2) Commerce Stream**

- i) Principles and Practice of Commerce.
- ii) Advanced Accountancy.
- iii) Economics / Hindi / Bengali / Sanskrit.
- v) Mathematics/Geography / Painting / Music,

##### **3) Science Stream.**

- i) Physics
- ii) Chemistry
- iii) Mathematics / Geography / Painting / Music.
- iv) Biology/ Engineering Drawing / Computer Science.
- d) Electronic Technology (Class XI) (all the electives are compulsory)
  - i) Basic Electrical Engineering.
  - ii) Components and Measuring Instruments.
  - iii) Electronic Devices and Circuits.
  - iv) Engineering Drawing/Odia.

##### **Class-XII**

- i) Electronic Devices and Circuits II.
- ii) Radio Engineering and Audio Systems.
- iii) Television and Video Systems.
- iv) Odia.

5) Structure and Fabrication Technology Class-XI

- i) Engineering Science I.
- ii) Simple Structure and Mechanism.
- iii) Fabrication Technology.

Additional Subject:

- iv) Electrical Engineering / Odia.

**Class-XII**

- i) Engineering Science.
- ii) Fabrication Technology II.
- iii) Fabrication Technology III.
- iv) Odia

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