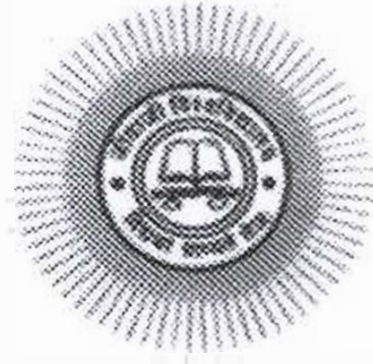


जीवाजी विश्वविद्यालय, ग्वालियर

JIWAJI UNIVERSITY, GWALIOR



**SYLLABUS**

**FOR**

**TWO YEARS (FOUR SEMESTER)**

**B.ED. COURSE**  
**For 4th Semester**

**2020- 21**

**ACADEMIC YEAR AND ONWARDS**

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**CC401: Gender, School and Society**

**Marks : 100**  
**External : 75**  
**Internal : 25**

**Objectives:** To enable the Student Teacher to:

- To acquaint the student teachers with the concept of gendered roles in society and their challenges.
- To develop an understanding of the inequality and disparities in equal opportunities in education in societal context.
- To enable the student teachers to critically examine the stereotypes and rethink their beliefs.
- To help student teachers to develop abilities to handle notion of gender and sexuality.

**Content:**

**Unit I: Gender Issues: Key Concepts**

- The meaning and concept of gender and experience of gender in across different social groups, regions an time-periods. Challenges in gendered roles in society: Family, caste, religion, culture, the media and popular culture (films, advertisements, songs etc.), law and the state.
- Unequal access of education to girls; access to schools; gender identity construction at home and in society.
- Indian societal context: Power and authority in Indian Social System (patriarchy). Socialization of child into a specific gender influences and opportunities for education.

**Unit II: Gender Challenges and Education**

- Challenging gender inequalities or reinforcing gender parity: The role of schools, peers, teachers, curriculum and textbooks, etc.
- Representation of gendered roles, relationships and ideas in textbooks and curricula.
- Schools nurture or challenge creation of young people as masculine and feminine selves.

**Unit III: Gender Issues and Role of Teacher**

- Counseling and Guidance: Teachers' need help to develop abilities to handle notions of gender and sexuality, (often addressing the issues under diverse cultural constraints, their own and their students', instead of shying away from the same).
- Sex Education: Perceptions of safety at school, home and beyond (The formulation of positive notions of sexuality among young people impact larger issues).
- Identification of sexual abuse / violence and its verbalization, (combating the dominant societal outlook of objectification of the female body and so on).

**Unit IV: Role of the Media and Life Skills Education**

- Role of the media in propagation of popular beliefs, reinforcing gender roles in the popular culture and by implication, at school.
- Life Skills course in school: Provisions to deal with some issues of gender identity roles and performativity for the development of positive notions of body and self.
- Gender equality Education of regions and exploring the roles of the institutions (family, caste, religion, culture, media and popular culture, law and the state).



### Assignment:

- **Group Discussion:** B.Ed. student will observe and study the distribution of roles and responsibilities in schools and classrooms, rituals and school routines, processes of disciplining distinctly as for girls and boys, and in classroom interaction. Studying the everyday activities where the majority of girls constitute the assembly choir group and the boys form the inter-school cricket team; girls partnered to be seated with other girl students and boys with boys; sciences associated with boys and humanities with girls; art and craft considered to be the domain of the girls and physical education that of the boys; etc. Teachers need to question such stereotypes and help students rethink their beliefs. Why these issues are delineated only for supplementary extra-curricular periods in school and not integrated into subjects of study need to be discussed.
- **Group Work & Activities, Brainstorming, Audio-Visual Presentations:** Prospective teachers to attend and themselves undertake sessions of open verbalization with school students, voluntary cum friendly involvement in discussions, together with the co-participation of school (teachers, counselors and other resources), home (parents and siblings) and society (NGOs, other expert groups, etc.).
- **Assignments and Projects:** Student-teachers will be exposed and trained to prepare pedagogic material and practice a pedagogy which can develop abilities and confidence in their students to critically evaluate and challenge gender inequalities, while being sensitive to social groups.

### References:

- Acker, S. (1994), Feminist theory and the study of gender and education; In S.
- Acker, Gendered Education; Sociological Reflections on women, Teaching and
- Feminism, Buckingham: Open University Press
- Barks, O. (1971) Sociology of Education Ed. 2 Landon: Batsford.
- Kumar, K. (1991) Political Agenda of Education, New Delhi: Sage.
- Lips, Hilary M. (1989) Sex and Gender an Introduction, California
- Child in South Asia', Indian, Journal of Social Sciences. Vol 3 No. 1.



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## Semester IV

### CC 402: Educational Technology & ICT

Marks : 100

External : 75

Internal : 25

**Objectives:** Upon the completion of the course the student-teachers will able to:

- Explain meaning, components, functions of computer and its historical backgrounds.
- Understand the computer peripherals and its organization in computer system.
- Develop skill in handling computer and using word documents.
- Develop skill in computation, analysis and interpretation of data by using Excel Spread Sheets.
- Understand the Educational implications of Power Point Presentation and its use in classroom context.
- Under the applications of Information Technology in the field of teacher education programme and training.

#### **Content:**

##### **Unit I: Fundamental of Computer**

- History and Generations of Computer
- Meaning, Definition and Characteristics of Computer
- Basic Functions of Computer – Input-Process-Output Concepts
- Anatomy of Computer
- Classification of Computer:
  1. Based on size and capacity (Micro, Mini, Mainframe and Super Computers)
  2. Based on working principle (Analog, Digital and Hybrid Computers)

##### **Unit II: Computer Organization: Hardware and Software**

- **Input Devices:** Keyboard, Mouse, Scanner, Digital Camera, Mike, Digital Board
- **Central Processing Unit:** Arithmetic and Logic Unit, Control Unit and Memory Units.
- **Memory Devices (Storage Devices):**
  1. Primary Memory Devices: RAM, ROM, PROM, EPROM & EEPROM.
  2. Secondary Memory Devices: Hard Disk, CD-ROM, DVD, Optical Disk, Pen Drive
- **Output Devices:** Monitor, Printer, Plotter, Speaker
- **Operating System:**
  1. Needs and Functions of Operating System
  2. Types of Operating System – Single user and Multi user
- **Programming Languages:** Types of Languages – LLL and HLL
- **Computer Software:** System Software, Application Software and Operating System
- Computer Virus and its prevention.

##### **Unit III: Microsoft Windows (System Software)**

- **Introduction to MS-Windows:** Elements of MS-Windows, Start Menu, Desktop, Window Accessories, Control Panel, Windows Explorer.



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- **Application Programme:** MS-Office (Application Software), MS-Word, MS-Excel & MS-Power Point.
- **Microsoft Word:**
  1. Parts of MS-Word Windows, MS-Word Standard, Formatting, Drawing Toolbars.
  2. Starting MS-Word, Opening a New Document, Opening Old Document, Naming the New Document, Saving the Document using save and save as commands.
  3. **Formatting the Documents:**

**Fonts:** Font Style, Size, Bold, Italics, Underline, Normal, Spacing.

**Paragraph:** Line spacing, Paragraph spacing, Paragraph borders, Bullets, Numbered list, Shadings.

**Page Setup:** Paper orientation, Margins and Paper.

**Size:** Alignment: Centre, Left, Right, Justified.
  4. **Editing the Document:**

Cut, Copy, Paste, Special, Undo, Redo, Select All, Find, Replace, Go to, Page Number, Clear
  5. **Inserting:** Frame, Objects, Pictures, Headers, Footers, Page Number, Date and Time.
  6. **Tab, Tables, Columns:** Insert Table, Delete Cells, Merge Cells, Split Cells, Select Row, Select Column, Select Table, Table Auto Format, Cell Height and Width Headings, Soft Text and Formula.
  7. **Working with the Drawing Tools:** Line, Rectangle, Ellipse, Arc, Style, Freeform, Text Box, Callout, Format Callout, Fill Colour, Line Colour, Line Bring to Front, Send to Back, Bring to Front to Text Send Behind Text, Flip Vertical, Flip Vertical, Rotate Right, Reshape.
  8. Page setting and printing the document and Mail merge.
  9. **Educational Based Applications:** Preparation of lesson plans using MS-Word
- **Microsoft Excel:**
  1. Parts of Excel Windows, Excel Standard, Formatting, Drawing, Toolbars.
  2. Creating a New Worksheet, Opening as Existing Worksheet, Saving the Worksheet.
  3. Working with Worksheet, Inserting and Deleting Rows & Columns Merge Cells, Formulae, Sorting, Inserting Charts.
  4. Preparation of School Time Table, Marks List, Salary Bills etc.
- **Microsoft Power Point:**
  1. Parts of Power Point Windows, Power Point Standard, Formatting, Drawing Toolbars.
  2. Working with Text: Changing Fonts, Changing Font Size and Bold, Alignments, Moving Text etc.
  3. Working with Graphics: Moving the Frames and Inserting Clip Arts, Inserting Pictures, Inserting New Slide, Organization of Charts, Tables, Designing Templates, Master Slide, Colour Box etc.
  4. Presentation of Slides: Saving Slides, Auto Content Wizard Slide Show, Animation, etc.

#### **Unit IV: Applications Information and Communication Technology in Education**

- **Introduction to ICT:** Meaning, Need and importance of ICT
- **Introduction to Multi Media:**
  1. Meaning of Multi Media
  2. Scope of Multi Media
  3. Components of Multi Media
  4. Pre-requisites of Multi Media PC
  5. Graphic Effects and Techniques
  6. Sound and Music
  7. Uses of Multi Media for Teaching
  8. Developing a Lesson Plan Using a Multi Media Package




- **Introduction to Internet:**
  1. Meaning of Internet
  2. Characteristics of Internet
  3. Uses of Internet
  4. Educational based applications of Internet
- **Computer Application in Education:**
  1. Computer Assisted Instruction: Concept, Characteristics, Modes, Merits and Demerits.
  2. Computer Assisted Testing: Concept, Characteristics, Modes, Merits and Demerits.
  3. Computer Managed Instruction: Concept, Characteristics, Modes, Merits and Demerits.
- **Introduction to / website:** Meaning and Importance.
- Social Websites (Blog / Twitter / Face book)

#### Requirements:

- **Infrastructure Requirements:** In order to implement ICT literacy in in-service teacher education and ICT laboratory / Multimedia centre may have to be setup No. of PCs / Systems will be required.
- It is recommended that for each student teacher get hands on experience at least one hour per week. College is free to design the practical time table.
- It is recommended that out of 4 hours a week (2 hours theory and 2 hours practical's).
- Institution should have to appoint ICT Teacher with minimum qualification of PGDCA / BCA / MCA

#### Assignments: (Any One Uniform Pattern)

- Write the History and Generations of Computer.
- Write the Input, Output and Storage devices of Computer System.
- Preparation of a Lesson Plan, Student List, Letters, Invitation: Hard Copy and Soft Copy.
- MS-Excel: Preparation of a School Time Table, Marks List – Analysis of Data and Graphical Representation – Hard copy and Soft copy.
- MS-Power Point: Preparation of Animated Slides (Insert Picture, Clip Arts, Word Art, Sound, Effects, Animation, etc.) for teaching any concept on your subjects.
- Internet: Surfing Educative Websites, Downloading, Taking a Printout, Creating E-mail Id.

#### References:

- Balaguruswamy E. (2001), Programming in Basic, New Delhi; Tata McGraw Hill Publishing Company Limited.
- Gupta Vikas (1997), Micro Soft Windows, New Delhi; Pustak Mahal.
- Gupta Vikas (1997), Rapidex Computer Course, New Delhi; Pustak Mahal.
- Jain, V.K. (1997), Computer for Beginners, , New Delhi; Pustak Mahal.
- Leon, Alexis and Mathews (1998), E mail in a Nutshell, Chennai; Leon Tech World.



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Dean: Jiwaji University, Gwalior.



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**Semester IV**  
**CC 403: Creating And Inclusive School**

Marks : 100  
External : 75  
Internal : 25

**Objectives:** On completion of the Course the Student Teacher will be able to:

- Identify the children of special needs.
- Understand the nature of special needs their psycho-educational characteristics and functional limitation.
- Familiarize with assessment and placement procedure for children with special needs.
- Develop understanding about accommodating special needs in regular classroom.
- Appreciate the education of children with special needs.

**Content:**

**Unit I: Special Needs and Education**

- Concept and types of special needs.
- Education of children with special needs and its implication for universalization of elementary education.
- Understanding and respecting diversity.
- Trends of education for children with special need in India.
- Policies schemes and legislations about the education of children with special educational needs.

**Unit II: Nature, Types and Characteristics of Children with Special Needs**

- Psycho-social and educational characteristics functional limitations with reference to:
  - Locomoter impairment
  - Hearing impairment
  - Visual impairment
  - Learning disability
  - Gifted and disadvantaged children
  - Mental retardation and slow learners

**Unit III: Inclusive Education**

- Concept and philosophy of inclusive education
- Teaching competencies required for inclusive education
- Roll of class teachers and resource teachers in inclusive education
- School and classroom management for implementing inclusive education
- Guidance and counseling in inclusive education
- Specific roll of family and community participation
- Support services needed for inclusive schools

**Unit IV: Identification and Assessment of Children with Special Educational Needs**

- Concept and techniques of assessment
- Identification and functional assessment of children with special needs



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- Implication of assessment for instructional planning and curriculum.
- Curriculum, adaptation, teaching strategies and evaluation in inclusive school.
- Principles and methods of curriculum adaptations and adjustment to address diversity.
- Teaching learning strategies for children with special educational needs.
- Comparative learning, peer tutoring, behaviour modification, multisensory approach, perceptual strategy and system approach.
- Individual educational program (IEP) and use of emerging technology.
- Adaptation in evaluation procedures.

**Practicum: Any one of the following:** Suggested practicum but more activities can be taken up by the teacher based on any topic from above unit.

- Preparation of a report on importance of education for children with special needs.
- Case study of children with special needs school in school situation.
- Observation of classroom situation and identification of special needs.
- Identification of gifted / creative / slow learner / children with learning disability using standardized test.
- Preparation of teaching plan for accommodation special need (any one type) in regular classroom.
- List out the resources for effective implementation of integration programme with reference to any one category of special needs.

Apart from the above similar activities from the five units will be identified and given.

#### References:

- Montgomery, D. (1990), Special need in ordinary schools; children with learning difficulties, Cassel Educational limited, London.
- Ainscow, M. (1990) Special needs in the classroom; A teacher education resource pack UNESCO.
- Hallahan and Kuffman J.M. (1984) Exceptional children, Prentice hall
- Haring N.G. (1986) Exceptional Children and youth Ohio; Columbus Charles E Meml Publishing Co. A Bell and Howell Co.





**Assignments (any one):**

- Visit to religious institutions which are involved in Educational endeavor
- Documentation of the contributions of the great personalities and institutions for the promotion and protection of values
- Selection of incidences / episodes from the biographies depicting particular / selected value
- Preparation of Value Judgment Scale

**References:**

- Broudy S. Hary (1961) Building a Philosophy of Education, USA, Prentice-hall Inc.
- Dewey, J. (1916) Democracy and Education. New York: Macmillan.
- Doyle, T.F. (1973) Educational Judgments. London: Roufledge and Kegam Paul.
- Feather T., Norman (1975) Values in Education and Society, New York : A Division of Macmillan Publishing Co.

## Semester IV

### CC 404(2): Futurology in Education

Marks : 100

External : 75

Internal : 25

#### **Objectives:**

- To acquaint students with the significance of the study of Futures in general and Futurology in particular.
- To develop the knowledge and skills of students for Forecasting Futures of Education through methods and techniques.
- To develop critical thinking of students about the problem and prospects of school education in future.

#### **Content:**

##### **Unit I: Concept of Future and Future Studies**

- Needs, Scope and Significance of Futures Studies in General

##### **Unit II: Concept of Futurology in Education and Futuristic Education**

- Needs and relevance of study of Futurology in Education at Teacher Education stage and School stage

##### **Unit III: Parameters of Forecasting Educational Futures**

- Different methods of Futures Studies: Simple Trend Extrapolation, Brain Storming, Delphi, Future Wheel, Role Playing and Scenario Writing

##### **Unit IV: Futures of Educational System**

- Library, Classroom, Methods, Media and Teaching Aids, Textbooks, Examination System, Futures School Teachers and Students. Futures of Primary and Secondary Education in the Context of Social and Technological Change

#### **Activity:**

- **Group Activity (One):** Development of Scenario on any one area of Education as specified in Units IV & V using the activity in Unit III.
- **Individual Activity (One):**
  - (a) Designing futuristic course content of own subject at school level on the basis of study of Literature.
  - (b) Writing Scenario of Future of Student / Teachers / School / Environment / Library / Teaching Aids / Textbook; etc. using Future Wheel Exercise.

#### **References:**

- Ekisirh Sade ke Liya Shiksha, Palash, Madhya Pradesh Shishak Prashikshan Mandal, Bhopal, Jan., 1990.
- NIEPA Report: Education in the 2001, New Delhi, 1986.
- Passi, B.K. and Sahoo, P.K.: Future Studies National Psychological Corporation, Agra, 1991.
- Reddy, N.: Problems of Futurology. Sterling Publishing Co., New Delhi, 1985.
- Toffler, A.: The Third Wave. Pan Book. London, 1980

## Semester IV

### CC 404(3): Health and Physical Education

Marks : 100  
External : 75  
Internal : 25

**Objectives:** Upon completion of the course the student-teacher will be able to:

- Understand the significance of Health Education for the all-round development.
- Maintain and promote good health.
- Develop the understanding of physical education and its related fields.
- Acquire the knowledge about the teaching methods of physical education and its activities.
- Know about the effective organization of physical education activities.

**Content:**

#### **Unit I: Health and Physical Education**

- Health: Meaning, Aims and Objectives, Importance and Scope
- Physical Education: Meaning, Aims and Objectives, Importance and Scope
- Related fields: Recreation, Health Education and Education
- National and Emotional Integration through Sport and Physical Education
- Yoga – Meaning – Astanga Yoga – Significance in Modern Society

#### **Unit II: Health Service and Supervision**

- Medical Inspection: Meaning, Procedure and Importance
- Personal Care: Skin, Eyes, Ears and Teeth
- Safety Education: Meaning and Significance, Safety in Classroom, Play field, Gymnasium, Roads and Homes.
- First Aid: Meaning, Significance, Principles of giving first aid
- Fatigue: Meaning, Causes and Remedies.
- Balanced DIET: Meaning and Benefits.

#### **Unit III: Leadership, Discipline, Incentives and Awards**

- Leadership
  1. Qualities of good leader in physical education
  2. Teacher leadership
  3. Student leadership
- Discipline
  1. Meaning
  2. Common form of indiscipline in schools
  3. Causes for indiscipline
  4. Steps to check indiscipline
  5. Rewards and discipline
  6. Punishment and discipline

- Incentives and Awards
  1. Letter – Crest
  2. Cup
  3. Trophy
  4. Medal
  5. Honour Board
  6. Scholarship
  7. Certificate
  8. Cash Prize – Based on the Player's Performance

#### **Unit IV: Organization of Physical Education Activities**

- Intramural and Extramural Competitions: Meaning, Organization, Benefits
- Tournaments: Meaning, Types-Knock-Out and league, Benefits
- Sports Meet: Meaning, Organization, Benefits
- Campus and Hikes: Meaning, Organization, Benefits

#### **Practicum:**

- Participation in any one major game and one sports item
- Ground marking for selected games and sports
- Commands, line formation and marching, ceremonial parade
- Participation in two National festival programmes for flag hoisting

#### **References:**

- Kamalesh and Sangral, (2000), Principles and History of Physical Education, Ludhiana: Tandon Publication.
- Nadgir, K.G. (1998), Sharir Shikshanad Vidhanagalu, Dharwad: Mallesajjan Vyayama Shale.
- Prakash Brothers (2000) Organization, Administration and Recreation in Physical Education, Ludhiana: Prakash Brother Publicaiton.
- Rao, V.K. (2003), Physical Education, New Delhi: A.P.H. Publishing Corporation.



## Semester IV

### CC 404(4): Guidance and Counselling in Schools

Marks : 100  
External : 75  
Internal : 25

**Objectives:** Upon completion of this course the student-teacher will be able to:

- Understand the principles, scope and need of guidance and counselling in schools
- Acquaint himself with nature of different problems faced by children in context of learning and development.
- Understand the acquisition and process of learning in children with special needs.
- Acquaint himself with learning disabilities of children and its remedies.
- Take up minimum guidance programme at school level.

**Content:**

#### **Unit I: Guidance and Counselling**

- Introduction of Guidance and Counselling
- Nature, Purpose and Scope of Guidance and Counselling
- Difference between Guidance and Counselling
- Counselling
  1. Principles
  2. Approaches
- Areas of Guidance
  1. Educational Guidance
  2. Vocational Guidance
  3. Personal Guidance

#### **Unit II: Problems of Developments in Children**

- Problems related to Physical Development
  1. Common problems faced by children
  2. Nutrition
- Problems related with Emotional Development
  1. Adjustment to Home
  2. Adjustment to School
  3. Adjustment to Peer Group
  4. Problems related to academic achievement
  5. Problems related to Gender bias and Gender related issues
- Applications of the whole child concept for parents, teachers and counselors
- Acquisition and Process of Learning
  1. Concept of learning
  2. Factors affecting learning
  3. Physiological factors
  4. Psychological factors
  5. Socio-emotional factors
  6. Educational factors

#### **Unit III: Learning Disabilities of Children**

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- Factors Contributing to Learning Problems
  1. External factors: Psychological and Educational
  2. Internal factors: Low general ability, attention, specific reading, writing etc.
- Assessment of the child
  1. Case history
  2. Assessment of general abilities
- Remediation
  1. Principles of Guidance Services
  2. Designing remedial strategies

#### **Unit IV: Guidance for Children with Special Needs**

- Meaning, definitions and types of exceptional children
- Gifted and creative children
- Slow learners and backward children
- Strategies for helping exceptional children to overcome their problems

#### **Assignments (Any One):**

- Case study of a child with special problem.
- Publication of a career bulletin based on authentic sources of Jobs, Employment
- Organization of career conference, campus interviews, etc.
- Organization of Counselling session for (Individual / Groups) students who are genuinely in need of Counseling.
- Organization of Guidance sessions about services and facilities available in a school or college.

#### **References:**

- Adams, J.F. (1965) Counselling and Guidance: A Summary, New York: The Mc Millan Company Ltd.
- Aggarwal, J.C. Educational & Vocational Guidance & Counselling. Delhi: Doaba House.
- Asha Bhatnagar (1999) Guidance and Counselling: Theoretical Perceptive. Vol-1. New Delhi: Vikas Publishing House.
- Berki B.G. & Mukhopadhyaya B. Guidance & Counselling: A Manual: Sterling Publishers.
- Weomberg, C (1966) Social Foundations of Guidance. New York: Free Press.

## Semester IV

### CC 404(5): Environmental Education

Marks : 100  
External : 75  
Internal : 25

**Objectives:** Upon completion of the course, the student-teacher will be able to:

- Understand the concept, significance, scope and terminologies, objectives and programmes of environmental education.
- Develop awareness about the various types of pollution, ecological imbalances and life and contributions of environmental activities.
- Interpret the environmental legislation in conservation and protection of the environment.
- Understand the role of governmental and non-governmental agencies in environmental education.
- Apply the methods of teaching and evaluation in environmental education.

#### **Content:**

##### **Unit I: Introduction to Environmental Education**

- Environmental Education: Concept, Importance and Scope
- Objectives and Principles of Environmental Education
- Basic Concepts in Environmental Education
  1. Ecology
  2. Eco-System
  3. Ecological Balance
  4. Food Chain
  5. Pollution and Pollutants
  6. Natural Resources
  7. Green House Effect
  8. Bio-degradable & Non-degradable Material
  9. Bio-sphere-Bio-Diversity
- National Environment Awareness Campaign (NEAC)
- Environmental Orientation for School Education (EOSE)
- Environmental Information System (ENVIS)

##### **Unit II: Environment and Pollution**

- Meaning of Environment
- Type of Environment
- Type of Environmental Pollution
  1. Air Pollution: Meaning, Cause The Air (Prevention and Control of Pollution) Act-1981.
  2. Water Pollution: Meaning, Cause The Water (Prevention and Control of Pollution) Act-1977.
  3. Soil Pollution: Meaning, Cause, Remedies
  4. Sound Pollution: Meaning, Cause, Remedies
- Ecological Imbalances
  1. Deforestation
  2. Soil Erosion
  3. Extinction of Wild life
  4. Depletion of Ozone layer



- Life and Contributions of Environmental Activists
  1. Mahesh Chandra Mehta
  2. Sunderlal Bahuguna
  3. Vandana Shiva
  4. Maneka Gandhi
  5. Shivaram Karanth

### Unit III: Agencies in Environmental Education

- United Nations Environmental Programme (UNEP)
- International Union for Conservation of Nature and Natural Resources (IUCN)
- Union Ministry of Environment & Forests.
- Central Pollution Control Board (CPCB).
- Centre for Environment Education (CEE).
- National Afforestation and Eco-development Board (NAEB).
- Environment Protection Movements in India.
  1. Chipko Movement
  2. Appiko Movement
  3. Narmada Bachao Andolan (NBA)
  4. Western Ghats Protection Movement

### Unit IV: Methods of Teaching Environmental Education

- Direct (Specialized) Approach
- Integrated (Multi-Disciplinary) Approach
- Incidental Approach
- Co-curricular and Extra-Curricular Activities
  1. Project Work
  2. Intellectual Meets: Seminars, Symposia, Workshops, Conferences, Group Discussion, Debates, Special Lectures, Brain Storming.
  3. Field Outreach and Extension Activities.
  4. Eco-Clubs / Nature Clubs.
  5. Problem Solving Activities related to Burning Ecological Problems.
  6. Quiz, Poster Making, Models Making and Exhibitions.
- Evaluation in Environmental Education
  1. Formative Evaluation
  2. Summative Evaluation

### Practicum / Assignments (Any One):

- Visit any one of the following organization and prepare a report on the history, structure, functions and activities:
  1. Direct Environment office
  2. Paryavaran Vahini
  3. Eco-clubs / Nature clubs
- Collect articles published in News Papers / Periodicals concerning environment and write a critical comment on them.






- Prepare a Directory of individuals and institutions working for protection of the purity of the environment in your direct / state and document the activities of any three individuals and three intuitions.
- Collect Twenty Five complaints published in Newspapers / Periodicals concerning Environment, Ecology, Forests, Nature, Environmental Education.
- Prepare a list of academic courses / programmes run by 50 universities / educational institutions about environmental Science, Environment Education and Ecology, Environment Engineering etc.
- Create a Garden in your college and document your experiences.
- Organizing environment education activities for school students (any two): Exhibitions, quiz competitions, plays, slogan development, environment skits, Dramas, Essay and Drawing competitions.
- Interviewing Ten Environmental Activists championing a genuine environmental movement and use the recorded interview for creating awareness among 20 families.

#### References:

- Government of India (2001) India – 2001 – A reference Annual, New Delhi: Ministry of Information and Broadcasting.
- Carson, Sean Mc. B. (1978) Environmental Education – Principal and Practices, London: Edward, Arnold Publishers.
- Dash, M.C. (1993) Fundamentals of Ecology, Tata McGraw Hill.
- Khopkar, S.M. (1995) Environmental Pollution Analysis, New Delhi: New Age International Pvt. Ltd.



**Dr. Vivek Bapat**  
Dean: Jiwaji University, Gwalior.



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**Semester IV**  
**CC 404(6): Action Research**

**Marks : 100**  
**External : 75**  
**Internal : 25**

**Objectives:** Upon completion of this course the student-teacher will be able to:

**Content:**

**Unit I: Research and Educational Research**

- Research: Meaning, Definition & Importance.
- Educational Research: Meaning, Definition & Importance.
- Steps in Educational Research.
- Type of Research: Fundamental / Basic, Applied and Action Research: Meaning, Definition & Importance.
- Methods of Research: Historical, Experimental and Survey.
- Differences between applied and action research with reference to: (i) Purpose (ii) Definition (iii) Hypothesis (iv) Sample (v) Data collection instruments (vi) Data analyses (vii) Generalization (viii) Limitations

**Unit II: Action Research**

- Meaning, Definition and Scope of research.
- Importance of action research to classroom teachers, administrators and guidance personnel.
- Limitations of action research.
- Action problems in different areas in schools – Examples.

**Unit III: Research Steps and Tools**

- Steps in Action Research
  1. Identifying the problem area (examples – experimental design and qualitative design).
  2. Pinpointing the problem.
  3. Problem analysis in terms of causes
  4. Identifying the objectives
  5. Formulating action hypotheses
  6. Designing action plan
  7. Execution of the plan
  8. Analyzing the data
  9. Findings
  10. Reporting
- Tools of Data Collection
  1. Achievement Test, Questionnaire, Interview Schedule, Checklist, Rating Scale – Meaning, Need, Advantages and Limitation.
  2. Tests / Inventories of Aptitude, Attitude, Interest, Personality, Values, Intelligence and Creativity (Knowledge of at least 2 tests in each category).
  3. Measure in classroom: Sociometric technique and classroom social distance scale (uses of these tools in action research)

- Quantitative and Qualitative Data: Meaning and Examples
  1. Analysis of the data: Frequency distribution, measures of central tendency, variability.
  2. Co-efficient of correlation (Person's rank difference method)
  3. Interpretation of data with an example: Descriptive and graphical.  
(Note: To be discussed without computation)

#### **Unit IV: Action Research Report**

- Format of report in terms of steps of action research
- Summary, bibliography and appendix.

#### **Assignments (Any One):**

Preparation of an action plan on a classroom problem such as:

- Identifying causes of poor reading ability and suggesting remedial measures.
- Identifying the causes and types of spelling errors and suggesting remedial measures.
- Identifying the causes of poor map-reading skills and suggesting remedial measures.
- Identifying the causes for poor drawing of diagrams and suggesting remedial measures.
- Identifying the causes of truancy and suggesting remedial measures.
- Identifying the causes of problem behaviour of students in the classroom and suggesting remedial measures.  
(Any other problems similar to above mentioned)

#### **References:**

- Aggarwal, J.C. (1975), Educational Research: An introduction, New Delhi: Arya Book Depot.
- Best, J.W. and Kahn, J.V. (2002), Research in Education, (7<sup>th</sup> Ed.) New Delhi: Prentice Hall Pvt. Ltd.
- Sidhu, K.S. (1984), Methodology of Research in Education, New Delhi: Sterling Publishers Pvt. Ltd.
- Van Dalen, D. (1973) Understanding Educational Research: An Introduction. New Delhi: McGraw Hill Book Co.

## EPC405: Understanding the Self

Marks : 50  
External : 30  
Internal : 20

### Objectives:

- The main aim to this course is to facilitate the development of individuals who can take responsibility for their own learning and give a conscious direction to their lives.  
Students are encouraged to explore and develop through self-reflection a greater insight into their aims of life, strengths and weaknesses and dynamics of formation of identity and a true individuality.
- Students also develop a capacity for social-relational sensitivity, effective communication skills and ways to create harmony within one's own self and society. The workshops are also aimed at equipping the students with positive attitudes, attributes and skills that help in facilitating the personal growth of their own students while teaching.
- To help student teachers discover and develop open-mindedness, the attitude of a self-motivated learner, having self-knowledge and self-restraint.
- To help student teachers develop the capacity for sensitivity, sound communication skills and ways to establish peace and harmony.
- To develop the capacity to facilitate personal growth and social skills in their own students.

### Content:

#### Unit I: Exploring the Aim of Life Objectives

- To enable students to develop a vision of life for themselves.
- To encourage students to give conscious direction to their lives to take responsibility for their actions.
- To develop a holistic and integrated understanding of the human self and personality.
- **Workshop themes**
- Vision as person: Aspiration and purpose of life.
- Giving a conscious direction to life.
- Understanding different dimensions of self and personality and way in which they influence the dynamics of identity formation, values and direction of life.

#### Unit II: Discovering one's True Potential

- To facilitate the personal growth of the students by helping them to identify their own potential.
- To develop the power of positive attitude.
- To encourage students to develop the capacity for self observation exercises.
- **Workshop themes**
- Understanding one's strengths and weaknesses through self observation exercises.
- Taking responsibility for one's own actions.
- Developing positivity, self esteem and emotional integration.
- Exploring fear and trust: Competition and cooperation.
- Developing skills of inner self organization and self reflection.
- Writing a self-reflective journal.

### Unit III: Developing Sensitivity

- To enable students to examine and challenge the stereotypical attitudes and prejudices that influence identity formation and the process of individuation.
- To encourage students to develop the capacity for perspective taking and appreciating different points of view.
- To develop sensitivity towards needs of children by connecting with one's own childhood experiences  
Workshop Themes.
- Understand and challenge the unconscious, conditioned attitudes that are stereotyped and prejudiced (gender, caste, class, race, region, disability etc.) and critically examine the sources of stereotyped messages (e.g., media).
- Defining consciously one's own values towards self and society and develop a capacity to understand and appreciate divergent points of view. Widening their realm of consciousness.
- Developing the capacity for empathic listening and communication skills.
- Understanding one's own childhood and adult-child gaps in society.

### Unit IV: Peace, Progress and Harmony

- To develop the capacity to establish peace within oneself.
- To develop the capacity to establish harmony within a group and methods of conflict resolution.
- To understand the meaning of leadership and develop attitudes and skills of a catalyst.
- To understand the basis of social disharmony, the factors those contribute to it and ways to facilitate change.
- **Workshop themes**
- Establishing peace within oneself: Exercises of concentration and meditation.
- Understanding group dynamics and communication.
- Creating group harmony: Exploring methods of creating a collective aspiration for progress and conflict resolution.
- Exploring the bases of social disharmony: Becoming the agents and catalysts of change and exploring methods of facilitating change.

### Unit V: Facilitating Personal Growth: Applications in Teaching

- To explore ways of integrating the facilitation of personal growth and social skills within the formal curriculum.
- **Workshop themes**
- Becoming a self-reflective practitioner: Becoming conscious of one's own attitudes and communication pattern while teaching.
- Observing children: Appreciating social, economic, cultural and individual differences in children and relating with them.
- Exploring and practicing ways to facilitate personal growth and develop social skills in students while teaching.



**Dr. Vivek Bapat**

Dean: Jiwaji University, Gwalior.



**Dr. Vinod Singh Bhadoria**

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### Mode of Transaction:

- There is no standard prescribed material for these workshops. The professional experts are expected to engage with the students with specially designed activities. These could be based on the facilitator's personal integration and unique individual and group characteristics and are rooted within the context of student's lives and contemporary realities. It is suggested that the students be given space to explore and articulate their own sense of life and its issues. They can be encouraged to think a fresh on issues that most closely concern them and use creativity and imagination to develop a perspective on them. The resource materials are an aid in this process. The resource materials can also include newspaper / web articles on contemporary concerns and movies / documentaries and other audio-visual materials. There is a suggested list of resource materials which should be contextualized and updated periodically. Expertise / Specialization required to teach this course Specialists who have conducted personal development workshops and who have a qualification in clinical and counseling Psychology.

### Essential Readings:

- Antoine de Saint-Exupery, (1977). The Little Prince. London, UK: Wordsworth Edition Translated by Irene Testot-ferry (available in Hindi).
- Dalal, A.S. (2001). Our Many Selves. Pondicherry, India: Sri Aurobindo Ashram.
- Frankl, V. (1946). Man's Search for Meaning. New York: Pocket Books.
- Joshi, K. (ed) (2005). The Aim of Life, Auroville, India: Saiier.

### Suggested Audio-Visual Resources:

- Aim of Life by Kireet Joshi (DVD) for DVD/facilitation contact mothersinstitute@hotmail.com
- Full of Life: A sensitive Japanese Teachers explores feelings, death with 10 year olds.
- Personality Development (Interactive CD, Computer Only) with Yoga and Guided Meditation Modules, Indus Quality Foundation.
- The House on Gulmohar Avenue by Samina Mishra (www.cultureunplugged.com)



## EPC406: Understanding of ICT

Marks : 50  
External : 30  
Internal : 20

**Objectives:** Upon the completion of the course the student-teachers will able to:

- Develop skill in handling computer and using word documents.
- Develop skill in computation, analysis and interpretation of data by using Excel Spread Sheets.
- Understand the Educational implications Technology in the field of teacher education programme and training.

**Practicum:**

**Computer Fundamental:**

- Instructions on operating the Computer.
- Connecting of all peripherals to CPU for a system.
- Switching on/off/restart
- Inserting / removing a floppy from the floppy drive
- Running a file from a floppy using floppy drive
- Copying a file from hard disk to floppy disk
- Inserting / removing a CD from the CD-ROM drive
- Running a file from a CD-ROM using CD-ROM drive
- Copying files from one drive to another
- Creating a new folder
- Running a file from hard disk
- Connecting the printer and print out hard copies

**Exercise in Ms-Word:**

- Creating a new document
- Formatting and editing of a document
- Inserting pictures, objects, frames and tables
- Practicing Mail-merge facility
- Working with the drawing tools

**Exercise in Ms-Excel:**

- Creating a new worksheet
- Inserting and deleting rows/columns in worksheet
- Formatting and editing of a document – sorting
- Preparation of statement of marks and using of some statistical concepts – Descriptive Statistics
- Preparation of School Time Table



- Preparation of Tables

**Exercise in Ms-Power Point:**

- Preparation of MS-Power Point presentation using text, picture, sound, word art, clipart and the other available tools with animation.

**Exercise in Information and Communication Technology**

- Browsing the Internet and down loading – Search word using search engine
- Working with Multimedia
- Receiving / Sending of E-mail and attachment



**Dr. Vivek Bapat**  
Dean: Jiwaji University, Gwalior.



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