

SPPU B. Ed. Curriculum

BED 105:

Advanced Pedagogy and application of ICT

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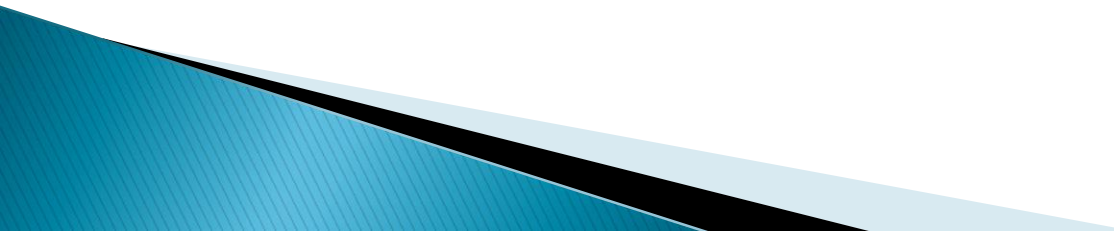
Weight age

- ▶ Total 4 Credits
- ▶ Total Units 4
- ▶ Means 1 Unit = 1 Credit
- ▶ 1 Credit = 16 hours learning load
- ▶ 4 Credits = 64 Hours Learning Load
- ▶ It includes classroom teaching– learning Process and Home work, learning load.
- ▶ Marks 100= 80 External and 20 Internal

Objectives:

- ▶ **To enable the student–teacher to**
- ▶ 1. understand the concept of Advanced Pedagogy and its implementation in classroom
- ▶ 2. use Pedagogical methods to meet the needs of diverse learners.
- ▶ 3. understand the concept, need and importance of ICT and its application in education


Objectives: contd.

- ▶ 4. understand ICT based teaching–learning strategies & resources.
 - ▶ 5. create awareness about appropriate use of ICT
 - ▶ 6. develop educational material using advanced pedagogical strategies and ICT tools.
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UNIT: 1 Introduction to Advanced Pedagogy (CREDIT 1)

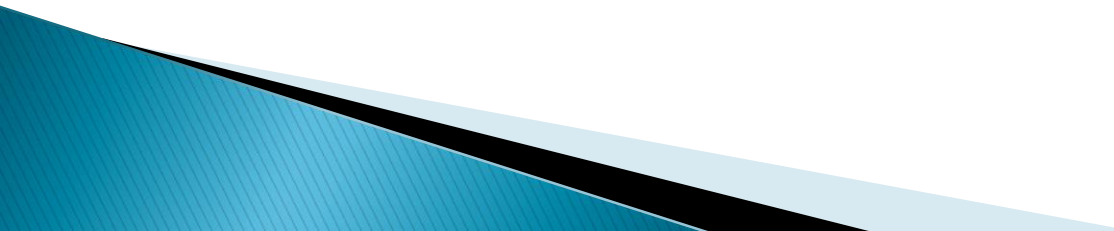
- ▶ 1.1: Concept, Need and Significance of Advanced Pedagogy.
- ▶ 1.2: Principles of Advanced Pedagogy
- ▶ 1.3: Philip Jackson Model– Pre-active phase
- ▶ Interactive Phase
- ▶ Post-active phase
- ▶ Teacher's role in these phases

Contd.

- ▶ 1.4: Use of Various Pedagogies–
 - ▶ a) Student Voice
 - ▶ b) Differentiation
 - ▶ c) Critical Pedagogy
 - ▶ d) Engagement student in Teaching Learning Process
 - ▶ 1.5: Application of Advanced Pedagogy for Development of e-content
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UNIT: 2 Advanced Pedagogical Approaches

(CREDIT 1)

- ▶ 2.1: Blended Learning
 - ▶ 2.2: Experiential Learning
 - ▶ 2.3: Problem based learning
 - ▶ 2.4: Scenario based learning
 - ▶ 2.5: System Approach in Teaching
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UNIT: 3 ICT in Education

(CREDIT 1)

- ▶ 3.1: ICT in Education: Concept, Need and Importance
- ▶ 3.2: Application of ICT in Education
 - ▶ a) Teaching – Learning
 - ▶ b) Research
 - ▶ c) Publication
 - ▶ d) Administration
 - ▶ e) Evaluation (with examples)

Contd.

- ▶ 3.3: Challenges and barriers to integration of ICT in Indian Schools
(with reference to Govt. policies and implementation, human and physical resources, local issues etc.)
- ▶ 3.4: ICT Teacher– Skills and Qualities
(skills and qualities useful for a teacher to make use of ICT effectively and judiciously)

Contd.

- ▶ 3.5: Safe use of ICT–
- ▶ Net safety
(Meaning , threats and precautions),
- ▶ Netiquettes
(Meaning and few common netiquettes),
- ▶ Copy Right
(Main features in Copyright act 1957,
regarding to download and used of material
form internet),
- ▶ Plagiarism
(Meaning, Guidelines to avoid plagiarism,
process and tools to check plagiarism)

UNIT: 4 ICT Supported Advanced Teaching Learning Strategies

(CREDIT 1)

- ▶ 4.1 Advanced ICT Supported teaching strategies concept, need, features, principles and importance.
- ▶ 4.2 ICT & Teaching –learning Strategies
 - ▶ A) Web based learning
 - ▶ B) M–Learning
 - ▶ C) Co–operative learning
 - ▶ D) Collaborative Learning
 - ▶ E) C A I

(Meaning, Features, Educational implications and limitations)

Contd.

- ▶ 4.3 Smart Classroom–Nature, Features, Advantages

(Smart classrooms where ICT facilities are available more or less permanently and are used effectively)

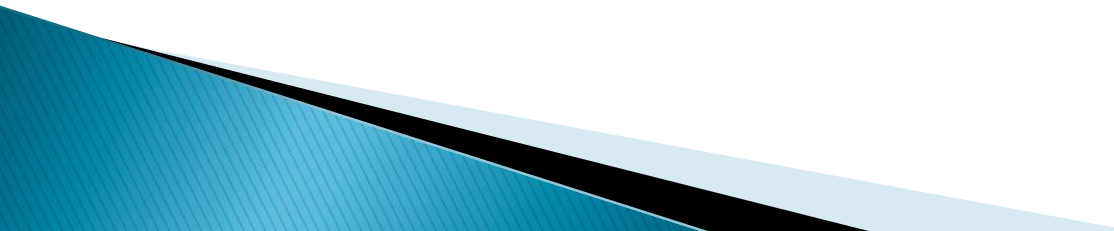
- ▶ 4.4 On–Line Learning resources– e–library, Video Conferencing, Webinars

(meaning , features and educational implications, and precautions to be taken while using these facilities)

Contd.

- ▶ 4.5 Social networking for learning with special reference to facebook & WhatsApp tool.
(Meaning, Main features, Educational implications of these tools and precautions to be taken while using social networking tools)
- ▶ 4.6 Agencies using ICT for Education– Open Schools & universities, intel, MOOC, MCKL
(Brief information of the agency and its contribution and few programmes/activities in education with examples)

Modes of Transaction:

- ▶ Lecture cum discussion
 - ▶ Presentations
 - ▶ Seminars
 - ▶ Demonstrations
 - ▶ Activity based teaching methods
 - ▶ Project method
 - ▶ Group discussion
 - ▶ E-communication tools
 - ▶ Assignments
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Practical Work *(any one from the given list)*:

- ▶ **Practical No.1: Design a teaching plan for any unit of school subject by using methods of advanced pedagogy**
(Guidelines for student–teacher to execute this practical)
- ▶ 1. First of all the student– teacher choose any unit of school subject from his/her methods. Unit may be from SSC board, CBSE board, ICSE board
- ▶ 2. He / She should select any method of advanced pedagogy BED 105 course

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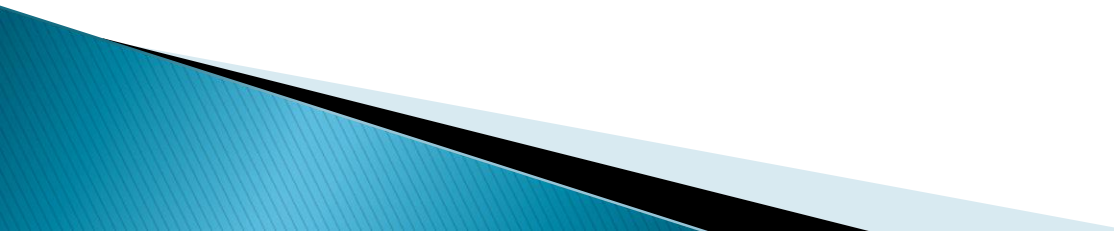
- ▶ 3. The teaching plan should contain –
 - a) Aim of the lesson,
 - b) Objectives or learning outcomes,
 - c) teaching aids, use of apparatus/devices in science, math, geography lessons,
 - d) learning resources,
 - e) role of students and role of teacher,
 - f) activities of a teacher,
 - g) activities of students,
 - h) steps/phases of a lesson,
 - i) evaluation strategies/ assessment tools. etc.
- ▶ (Soft and Hard Copy should be attached with a report)

Practical Work *(any one from the given list)*:

- ▶ **Practical No.2: Develop a CAI Programme on any one unit of your teaching method (Guidelines for student-teacher to execute this practical)**
 - ▶ 1. First of all the student- teacher should choose any unit of school subject from his/her methods. Unit may be from SSC board, CBSE board, ICSE board curriculum
 - ▶ 2. He / She should select any type of CAI programme from advanced pedagogy (BED 105 course)



Contd.

- ▶ 3. The CAI programme should contain –
 - a) Aim of the lesson,
 - b) Objectives or learning outcomes,
 - c) teaching aids, use of apparatus / devices in science, math, geography lessons,
 - d) learning resources,
 - e) Developmental phases of CAI,
 - f) Evaluation strategies / assessment tools. etc.
 - ▶ (Soft and Hard Copy should be attached with a report)
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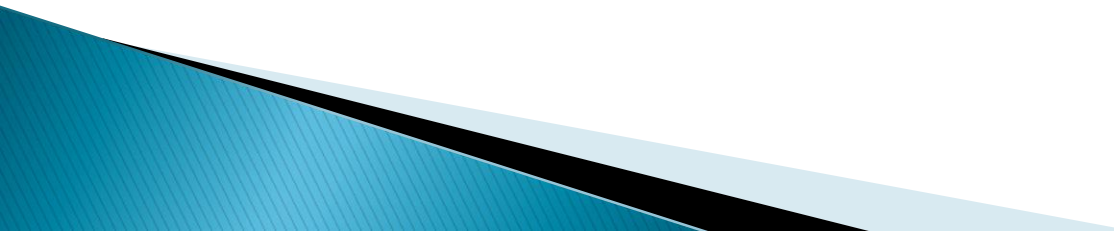
Practical Work *(any one from the given list)*:

- ▶ **Practical No.3: Review an educational mobile app and write a report.**

(Guidelines for student–teacher to execute this practical)

- ▶ 1. First of all the student– teacher should choose any mobile application from available applications
- ▶ 2. Write the features of selected application
- ▶ 3. Write how these features are useful in education
- ▶ 4. Student–teacher may compare the selected application and its versions or with other applications
- ▶ 5. Student–teacher may find out the drawbacks or lacunae in the selected applications and suggest the modifications

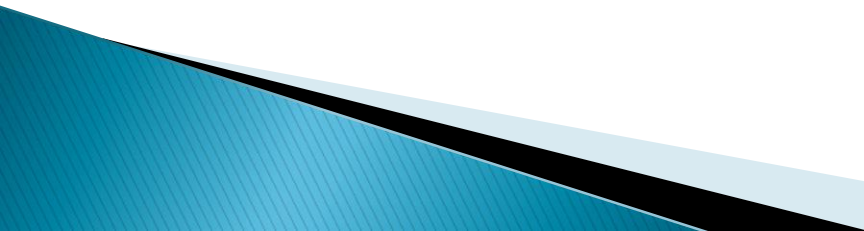
Practical Work *(any one from the given list)*:

- ▶ **Practical No.4: Develop e-content material for any one unit of School subject by using advanced pedagogical strategies.**
 - ▶ (Guidelines for student-teacher to execute this practical)
 - ▶ 1. First of all the student- teacher should choose any unit of school subject from his/her methods. Unit may be from SSC board, CBSE board, ICSE board curriculum
 - ▶ 2. He / She should select any type of e-content mode from advanced pedagogy (BED 105 course)
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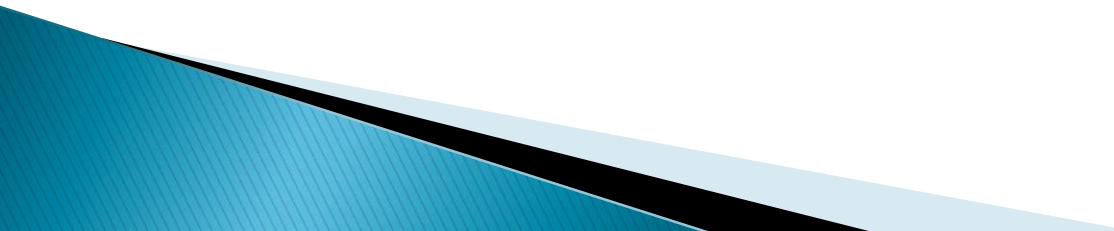
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- ▶ The e-content material should contain –
 - a) Aim of the lesson/ e-content material,
 - b) Objectives or learning outcomes achieved with the help of e-content material,
 - c) learning resources,
 - d) Developmental phases of e-content material
 - e) Evaluation strategies/ assessment tools. etc.
- ▶ (Soft and Hard Copy should be attached with a report)

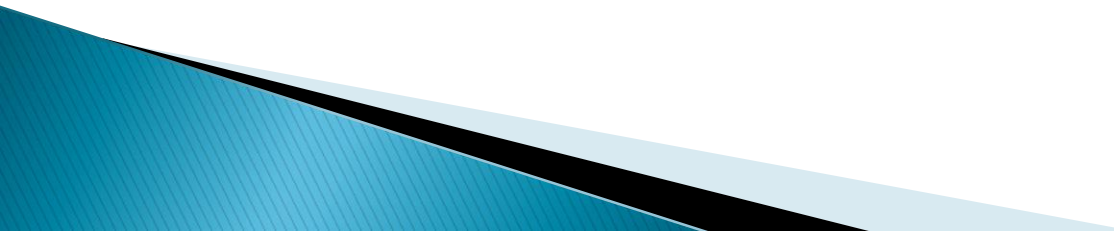
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 - ▶ 3. Teaching and Learning through information and communication technology by I-Sunder, Sarup Book Publishers Pvt. Ltd.
 - ▶ 4. Educational Technology by Anil Kumar Srivastava, Kunal books, Delhi.
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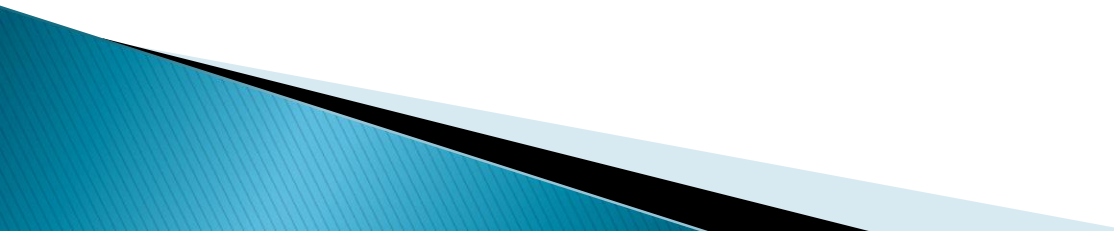
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 - ▶ 8. Internet Technology by S.K. Bansal, APH Publication.
 - ▶ 9. A Textbook of Educational Technology by B.C. Dash, Wisdom Press.
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 - ▶ 13. ICT in distance education by Dr. K. Anandan, APH Publication.
 - ▶ 14. ICT in teacher development by Dr. Manoj Kumar Dash, Neelkamal.
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 - ▶ 17. Modern Trends in Educational Technology–by Prof. Jagannath Mohanty, Neelkamal Publication.
 - ▶ 18. Educational Technology by N. Venkataih, APH Publication.
 - ▶ 19. Essential of Instructional Technology by Dr. R.A. Sharma, Surya Publication.
 - ▶ 20. Instructional Technology by Rao, APH publication.
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Thank you



Feedback

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