COURSE EPC 11 (3): CRITICAL UNDERSTANDING OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

Activity 01: Preparing brief overview of Various ICT Tools

Submission Guidelines:

- ➢ **Font:** Times New Roman
- ➢ **Font Size:** 12-14 points
- ➢ **File Format:** Microsoft Word Document (.docx)
- ➢ **Line Spacing:** 1.5
- ➢ **Page Length:** A4, Minimum 5 pages, Maximum 8 pages
- ➢ **Print and submit a hard copy**
- ➢ **Keep a digital copy for future reference**

Activity Instructions:

1. Start with: Introduction (define ICT, importance, and role)
2. Follow with: brief overview of the tools of ICT given in the title
3. End with: Conclusion (summarize importance, key takeaways)

Additional Requirements:

- ➢ Use headings and subheadings to organize your content
- ➢ Include screenshots or diagrams to illustrate key points
- ➢ Use proper grammar, spelling, and punctuation
- ➢ Provide reference details for any sources used after the conclusion part.

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Activity 02: Preparing teaching and learning resources through education related websites

Submission Guidelines:

- ➢ **Font:** Times New Roman
- ➢ **Font Size:** 12-14 points
- ➢ **File Format:** Microsoft Word Document (.docx)
- ➢ **Line Spacing:** 1.5
- ➢ **Page Length:** A4, Minimum 5 pages, Maximum 8 pages
- ➢ **Print and submit a hard copy**
- ➢ **Keep a digital copy for future reference**

Activity Instructions:

1. Start with: Introduction (define internet, importance, and role)
2. Follow with: a brief overview of at least 5 education-related websites and video/audio resources in teaching and learning.
3. End with: Conclusion (summarize importance, key takeaways)

Additional Requirements:

- ➢ Use headings and subheadings to organize your content
- ➢ Include screenshots or examples of websites and resources
- ➢ Use proper grammar, spelling, and punctuation
- ➢ Provide reference details for any sources used after the conclusion part. Including the website url.

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Activity 03: Preparing PowerPoint Presentations and Embedding Video Resources

Submission Guidelines:

- ➢ **Font for Text Slides:** Times New Roman
- ➢ **Font Size:** As required for readability
- ➢ **Font Color:** As required for visual clarity
- ➢ **File Format:** PowerPoint Presentation (.pptx)
- ➢ **Slide Design:** Ensure clarity and readability; use consistent fonts and colors
- ➢ **Slide Length:** Minimum of 10 slides, Maximum of 15 slides
- ➢ **Include Video Resources:** Embed at least 2 video resources in the presentation
- ➢ **Print and Submit:** Provide a printed handout summarizing key points; keep a digital copy for future use

Activity Instructions:

1. **Preparation:**

    - ➢ **Laptop/PC Use:** Utilize a laptop or PC to create and format your PowerPoint slides.
    - ➢ **Video Resource Download:** Download relevant video resources from the internet that complement your presentation topic.

Note: All students are requested to prepare PPT from the B.Ed. 1st Semester syllabus. You can choose any topic from your syllabus.

2. **Creating the Presentation:**

    - ➢ **Title Slide:** Include a title slide with your name, course name, and the presentation title.
    - ➢ **Content Slides:**

        - Organize content into sections with clear headings and subheadings.
        - Use bullet points, numbered lists, and concise text to convey information effectively.
        - Incorporate visuals such as charts, graphs, and images to support your points.

    - ➢ **Embedding Videos:**

        - Download and embed at least 2 video resources that are relevant to your presentation topic.
        - Ensure videos are embedded correctly and test playback functionality.
        - Provide brief descriptions or context for each video to explain its relevance.

3. **Slide Design:**

- ➢ **Consistency:** Use a consistent slide layout and design throughout the presentation.
- ➢ **Readability:** Ensure text is legible with appropriate font sizes and contrast.
- ➢ **Visuals:** Include high-quality images and graphics that enhance understanding.
- ➢ **Animation and Transitions:** Use animations and transitions sparingly to maintain professionalism.

4. **Final Steps:**

- ➢ **Review:** Proofread your slides for grammar, spelling, and punctuation errors.
- ➢ **Test Presentation:** Run through the entire presentation to check for any issues with slide transitions or embedded videos.
- ➢ **Save and Submit:** Save your final PowerPoint presentation in .pptx format. Ensure all embedded videos are functioning correctly before submission.

Additional Requirements:

- ➢ **Headings and Subheadings:** Use clear headings and subheadings to organize your content.
- ➢ **Visuals and Examples:** Include relevant visuals and examples to illustrate key points.
- ➢ **References:** If you use any external sources or videos, provide proper citations and URLs in a "References" slide at the end of your presentation.
- ➢ **Digital Copy:** Keep a digital copy of your presentation for future reference.

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Activity 04: Creating a Photo Documentary or Photo Album

Submission Guidelines:

- **Font for Text:** Times New Roman
- **Font Size:** As required for readability
- **Font Color:** As required for visual clarity
- **File Format:** Digital photo album or PowerPoint Presentation (.pptx)
- **Photo Quality:** Ensure high resolution and clarity
- **Submission Format:** Provide both a printed version and a digital copy

ActivityInstructions:

1. **Preparation:**
   - **Mobile Device/Camera:** Use a mobile device or camera to capture images. Ensure the device is set to take high-resolution photos.
   - **Planning:** Decide on the focus of your photo documentary or album (e.g., children's activities, events, or scenes).
2. **Taking Photos:**
   - **Capture a Series:** Take a series of snapshots that document various actions, events, or activities of children.
   - **Variety:** Include a range of images that show different aspects of the subject matter. Ensure photos are well-composed and clearly depict the intended scenes.
   - **Context:** Make sure to capture the context of the activity, including surroundings and interactions, to provide a comprehensive view.
3. **Creating the Photo Documentary/Album:**
   - **Organize Photos:** Arrange photos in a logical order that tells a story or follows a sequence of events.
   - **Add Explanatory Notes/Descriptions:** Provide descriptive notes or captions for each photo to explain the context, actions, or significance. Use clear and concise language.
   - **Design Layout:** Use a layout that enhances readability and presentation. Ensure that text and images are well-integrated and easy to follow.
4. **Final Steps:**
   - **Review:** Proofread all text for clarity and correctness. Ensure that the photo quality is consistent and all images are properly captioned.
   - **Digital Format:** Save your photo documentary or album as a digital file. You may choose to use a photo album format or create a PowerPoint Presentation (.pptx) that includes your photos and descriptions.
   - **Print Version:** Prepare a printed version of the photo album or presentation. Ensure that the printed version is clear, legible, and professionally presented.

Additional Requirements:

- **Headings and Subheadings:** Use clear headings and subheadings to organize sections of your photo documentary or album.
- **Visuals and Descriptions:** Include high-quality visuals and detailed descriptions to effectively communicate the story or theme.
- **References:** If you include any external sources or references in your descriptions, provide proper citations.

Activity 05: Creating Educational Blogs (Edublogs)

Submission Guidelines:

- **Font for Text:** Times New Roman
- **Font Size:** As required for readability
- **Font Color:** As required for visual clarity
- **File Format:** Digital blog platform (e.g., WordPress, Blogger) and PDF copy of blog content
- **Content Quality:** Ensure clarity, accuracy, and engagement
- **Submission Format:** Provide both a digital link to the blog and a PDF copy of the blog content

ActivityInstructions:

1. **Preparation:**
   o **Choose a Platform:** Select a blogging platform (e.g., WordPress, Blogger, or another educational blog service) for creating and managing your blog.
   o **Set Up Blog:** Create a new blog or a group blog if working collaboratively. Customize the blog's appearance to reflect a professional and educational look.
2. **Creating Blog Content:**
   o **Articles and Class Notes:**
      ▪ Write and post articles or class notes that are educational and relevant to your subject area. Ensure content is well-organized and informative.
      ▪ Use clear headings and subheadings to structure your posts and make them easy to read.
   o **Assignments:**
      ▪ Share assignments and class activities. Include detailed instructions, deadlines, and any necessary resources.
      ▪ Provide a platform for students to submit their assignments or engage in discussions related to the assignments.
   o **Engagement:**
      ▪ Encourage active participation by allowing comments or discussions on blog posts.
      ▪ Engage with the blogging community by responding to comments and participating in discussions.
3. **Design and Layout:**
   o **Consistency:** Maintain a consistent design and layout throughout the blog to ensure a professional appearance.
   o **Visuals:** Include relevant images, graphics, or videos to enhance understanding and engagement.
   o **Navigation:** Ensure the blog is easy to navigate with clear menus, categories, and links to important sections.
4. **Final Steps:**
   o **Review Content:** Proofread all blog posts for grammar, spelling, and clarity. Ensure that all links and multimedia elements work correctly.
   o **Digital Format:** Save your blog content as a PDF file. This PDF should include all blog posts and any additional content you wish to submit.

- o **Provide Access:** Share the link to your live blog and ensure that it is publicly accessible or accessible to your intended audience.

Additional Requirements:

- **Headings and Subheadings:** Use clear headings and subheadings to organize blog posts and make them easy to navigate.
- **Visuals and Examples:** Include high-quality visuals and examples to support and enhance your content.
- **References:** Cite any sources or references used in your blog posts. Provide proper citations and URLs where applicable.
- **PDF Copy:** Ensure the PDF copy of your blog content is complete and accurately represents your blog.

<u>**Activity 06 : Preparing E- Content**</u>

      All students are requested to prepare e-content from the B.Ed. 1st Semester syllabus. You can choose any topic from your syllabus.

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- ➢ **Keep a soft copy for future reference (Pen drive or CD or Mobile storage)**

Elements of E-content (Ten Elements)

1. Objectives

At least three objectives should be included, as per the example given below.

Example (Topic – Trial and Error Learning Theory)

After the completion of lesson the student will be able to understand,
- How people learn and behave?
- How people learn through their interactions with the environment.
- How to explore the history, concepts, and applications of behavioral learning theory in education.

2. On This Page

You have to present a synopsis for the topic you have chosen for your e-content, from introduction to conclusion. Please check for grammar mistakes.

3. Introduction:

Give a paragraph introduction based on your topic.

Also, you must prepare a video presentation about the introduction to AI using the following website link: https://www.kreadoai.com/ai/login?redirect=/ai/workbench , https://youtu.be/aIVcebgsP68 or by using a mobile video. You will then need to upload your video file to your Google Drive and create a shareable link, and paste it here.

4. Presentation

The presentation part mentions that after the introduction and before the conclusion part.

In the presentation part, you must prepare text content and also create audio (mp3), video (mp4), animation pictures, graphics, or video animations. You can use the following link to create your content https://www.kreadoai.com/ai/login?redirect=/ai/workbench. Additionally, you may use YouTube video links or your own video speech recording.

5. Conclusion

Also, you must prepare a video presentation about the conclusion to AI using the following website link: https://www.kreadoai.com/ai/login?redirect=/ai/workbench , https://youtu.be/aIVcebgsP68 or by using a mobile video. You will then need to upload your video file to your Google Drive and create a shareable link, and paste it here.

6. Assignment

Here are one or two assignments based on your e-content topic:

Example

Activity1: Experimental Design and Analysis

Topic: Design an experiment to investigate the application of the trial and error learning theory in a specific learning scenario, such as problem-solving or skill acquisition.

Activity2: Case Study on Trial and Error Learning

Topic: Select a historical or contemporary case study where trial and error learning was crucial in achieving a breakthrough or solving a problem. Analyze the case to identify how the trial and error process was employed, including the types of errors made, adjustments implemented, and eventual success.

7. Assessment

a. Quiz

Prepare 10 objective type questions by using general typing method or you can prepare the quiz by using Google forms with answer and paste it here.

https://forms.gle/5qy5pNMR652EDuRFA

b. Short answer question

Give two or three short answer-type questions for student assessment.

For example

1. Define trial and error.
2. What do you meant by law of readiness?

c. Essay type question

Give two or three essay-type questions for student assessment.

For example

1. What is the Trial and Error Learning?
2. Briefly explain the law of effect experiment.
3. Discuss the educational implications of trial and error learning theory

8. References

Give references detail about where did you collect material for your e-content preparation.

Example : References

1. Bhatia, H.R. Educational Psychology, Macmillan, India.

2. Biehler, F. Psychology Applied to Teaching, Houghton Mifflin. - Boaz, G.D. General Psychology, Boaz Institute of Psychological Service.

3. Dececeo, J.P. &Crawford, W.R. Psychology of Learning and Instruction, Prentice Hall.

4. Elliot Aronson and others : Social Psychology : Peaeson prentice Hall.

5. Garrett, H.E. General Psychology, Eurasia Publishing House.

6. Hilgard And Others E.R.Introduction to Psychology,Oxford & IBH.

7. Lindgren, H.Educational Psychology in the Classroom, Asia Publishing House.

8. Myers, D.G. : Psychology : Worth Publishers - Mc Neil, E.B. and Rubra, Z The Psychology of Being Human, Canfield Press.

9. Snyder, C.R. and others : Positive Psychology : SAGE - Sorenson, H. Psychology in Education, Mc Graw Hill.

9. Links for more details

1. [Simply Psychology](#)

2. [Essential of Educational Psychology, S.K. Mangal, 2004](#)

3. [Trial and error](#)

4. [PPT](#)

10. Further detail and feedback

Example

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"Note: All students are requested to follow ten elements to prepare e-content."

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