The logo of Galgotias University is a circular emblem with a stylized 'G' shape in the center. The 'G' is composed of three curved segments in shades of yellow, blue, and red. The background of the emblem is a light pinkish-red color.

**EDUCATIONAL MEDIA**  
**UNIT 7**  
**LECTURE 04**

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## PROJECTED AIDS



## DEFINITION

- Projected visual aids are pictures shown upon a screen by the use of a certain type of machine.



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## ADVANTAGES OF PROJECTED A.V AIDS

- • Provides greater enjoyment in learning
- • Stimulates more rapid learning
- • Increases retention: larger percentages and longer retention
- • Compels attention
- • Enlarges or reduces actual size of objects
- • Brings distant past and the present into the classroom

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## TYPES OF PROJECTED A.V AIDS

- **Opaque projectors**
- • **Slides**
- • **Film strips**
- • **Overhead projectors**
- • **LCD panels**

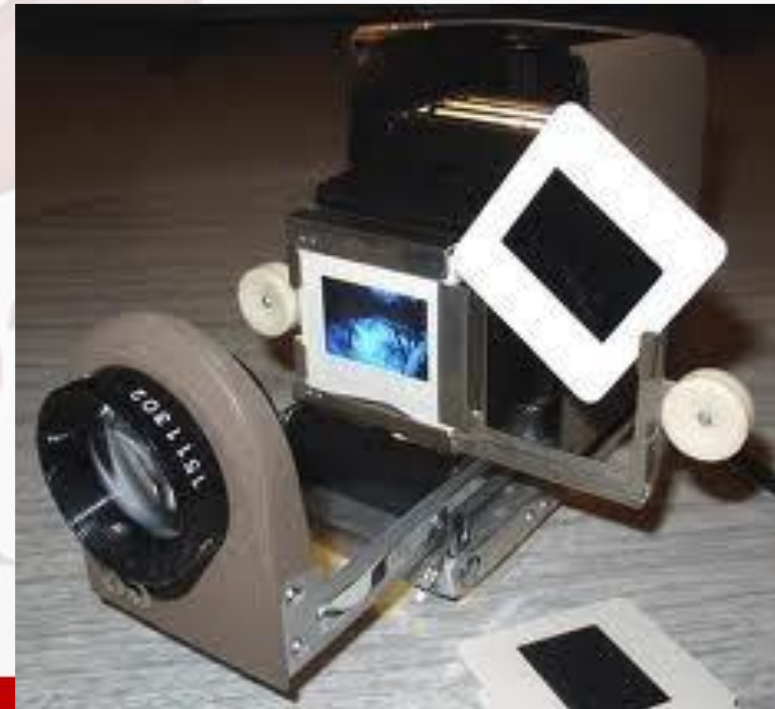
The logo of Galgotias University is a stylized 'G' composed of three curved, overlapping bands in shades of yellow, blue, and red. Below the logo, the text 'GALGOTIAS UNIVERSITY' is written in a large, light grey, serif font.

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## SLIDE AND FILM STRIP PROJECTION

### SLIDE

- A slide is a still transparency of 70mm, 35mm or 6mm size which is optically enlarged and projected on a screen as a real image



## CONTD...

### FILM STRIP

- the film strip is a series of sequenced slides on a piece of film covering a large portion of a lesson
- 20 to 50 slides or frames are on about half meters to one and half meters long film strip.



## **FOUR KINDS OF SLIDES CAN BE MADE BY TEACHER**

- • Marker slides
- • Photographic slides
- • Handmade slides
- • Etched glass slides

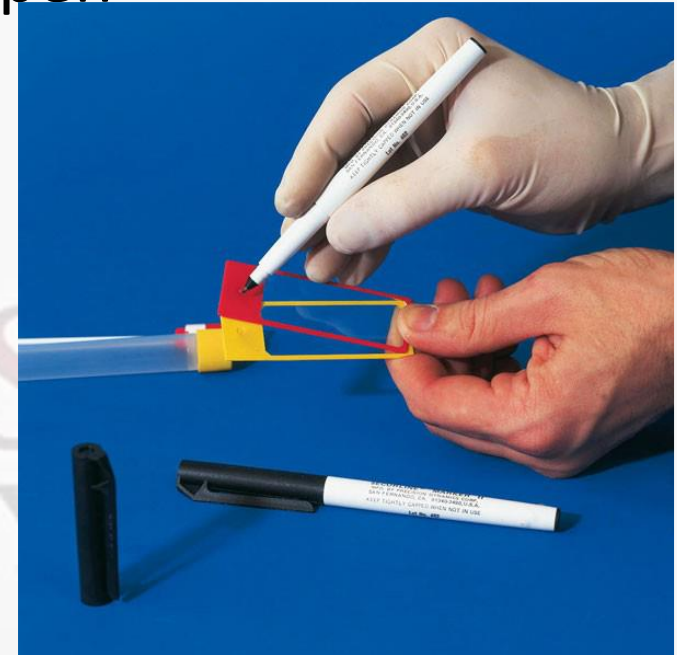
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## CONTD...

### Marker slide

- • a clean glass piece of right size
- • Draw picture or a diagram is with a fine tip marker pen
- • Hold glass piece in cardboard or wooden frame



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CONTD...

- Photographic slides  
black & white in colour  
Colour  
Ideal Size - 2×2 inches  
to 3×4 inches



- Handmade slides  
hand made using an acetate sheet, cello phane, etched glass, plain glass or a lumarith (type of plastic glass)

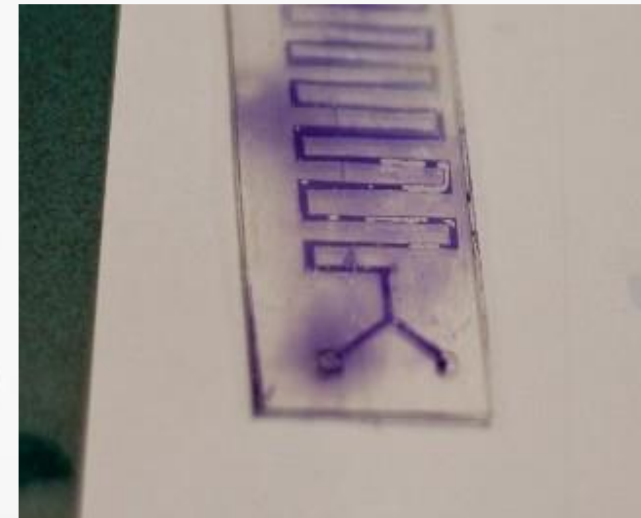


## CONTD...

### ETCHED GLASS SLIDE

- • clean a glass piece thoroughly
- • rinse it with kerosene
- • Draw the diagram with crayon glass marking pencil

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## SLIDE AND FILM STRIP PROJECTOR

The slides and film strips are projected on a screen using an optical instrument called slide and film strip projector.

- Technology same as opaque projectors
- Cannot project 3 dimensional image
- makes use of small photographs mounted on a slide



## CONTD...

### STRUCTURE

- • consists of a metal case having a concave reflector
- • 500 watt or 1000 watt straight filament bulb
- • set of concave lens called condenser to illuminate the slide
- • slid able set of convex lenses have objective which focuses the image of the slide on the screen.
- • The metal core is fitted with as small exhaust fan to blow out the excess heat.
- • a slide frame or a film strip carrier

## CONTD...

Using common slide and film projectors

- • Place the slide projector on a rigid and stable table.
- • Place the screen at an appropriate place
- • Insert the slide projector or film strip carrier in its place after opening the tube.
- • Mount a slide or film strip on its carrier
- • Insert the projector cord plug into the wall socket.
- • Darken the room

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## CONTD...

- Switch on the cooling fan first and then the projection bulb.
- • Focus the image
- • Show the slide and explain
- • Insert the next slide
- • Present the slides or frames sequentially
- • switch off the bulb first then the cooling fan
- • unplug the slide projector and store it back in its box.

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## CONTD...

### **PREPARATION OF A SLIDE SHOW**

- • Collect all the available slides
- • check them thoroughly
- • Choose the slides
- • Arrange the chosen slides in a proper sequence
- • Darken the room
- • Make proper seating arrangements for students
- • start teaching
- • interruption during the slide show will result in the loss of interest

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## CONTD...

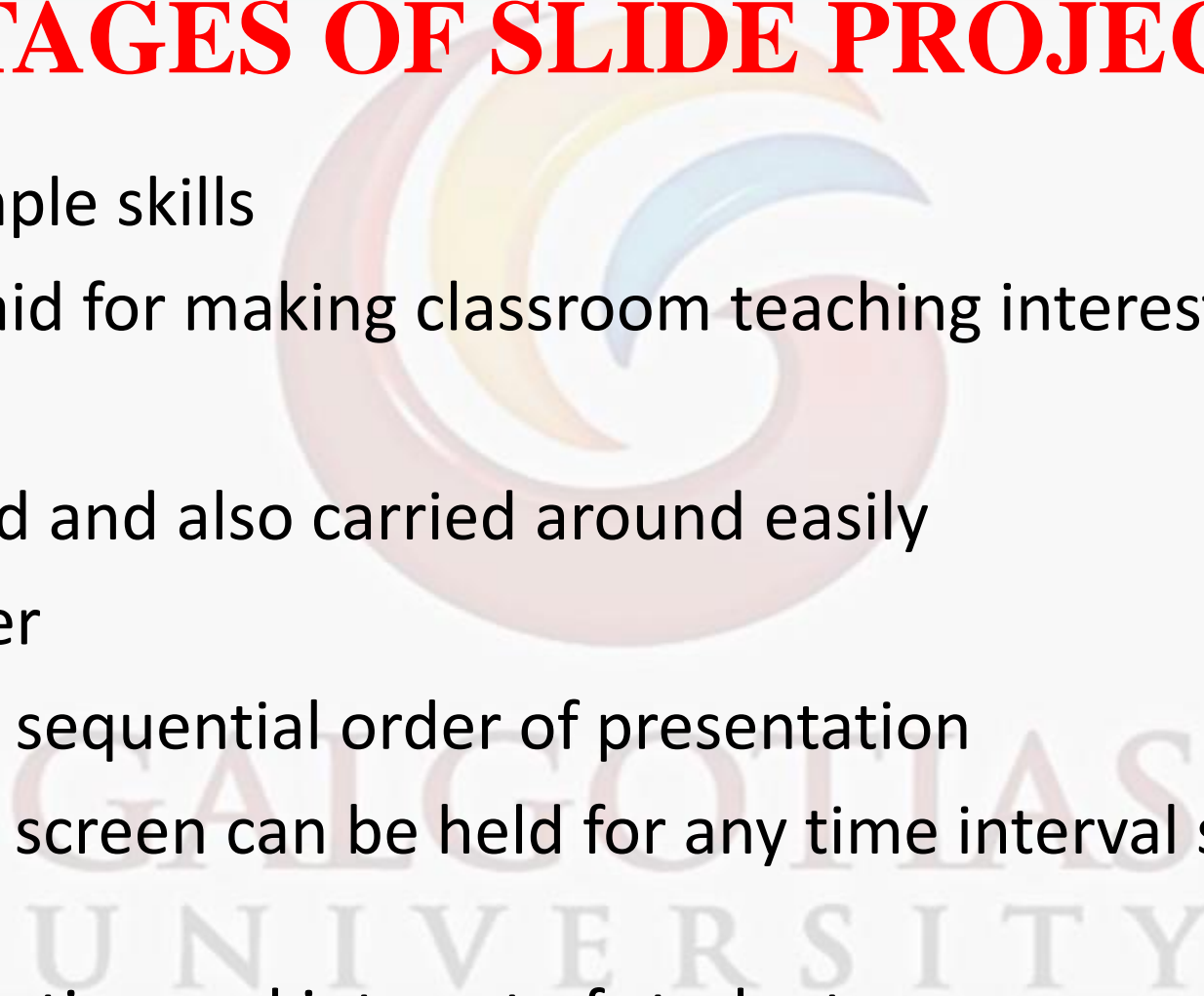
### **CARE OF SLIDES AND FILMSTRIPS**

- • they require care in handling and storage
- • store vertically in cardboard trays of right size
- • trays should be covered
- • they should be catalogued subject wise
- • film strips can be placed in rolled up positions in cylindrical container
- • container should be properly labelled

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## ADVANTAGES OF SLIDE PROJECTIONS.

- • Requires simple skills
- • convenient aid for making classroom teaching interesting.
- • small in size
- • can be stored and also carried around easily
- • quite cheaper
- • a logical and sequential order of presentation
- • image in the screen can be held for any time interval save time in teaching
- • Capture attention and interest of students
- • Interaction with students and group participation is possible



## ADVANTAGES OF FILM STRIPS

- • economical
- • easy to make
- • convenient to handle
- • Takes up little
- • can be easily stored
- • Provides logical sequence
- • Can use AC/DC power, batteries, or rechargeable batteries with solar panels

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## DISADVANTAGES OF SLIDES AND FILM STRIP

- • Need a darkened room.
- • Require equipment and power that will need to be maintained.
- • Sequence cannot be changed.
- • Visual media only; it requires audio or printed text.
- • Require professional assistance for final production

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## CARE OF THE FILMSTRIP

- • Keep free of dust and dirt which can scratch the filmstrip
- • Keep dry because moisture can cause the emulsion to become sticky.
- • Then the film will stick together and be destroyed.
- • Keep oily hands off the film as they can leave residue on the film.
- • Keep away from excessive heat which can cause the film to warp.

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## STORAGE OF THE FILMSTRIP

- • Store in containers away from heat, dust, moisture
- • When winding up the filmstrip, hold onto the edges
- • Do not pull to make it tighter as this can leave scratches on the film

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- ANY QUERY???



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- THANK YOU



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