



Basics Of DSLR Photography

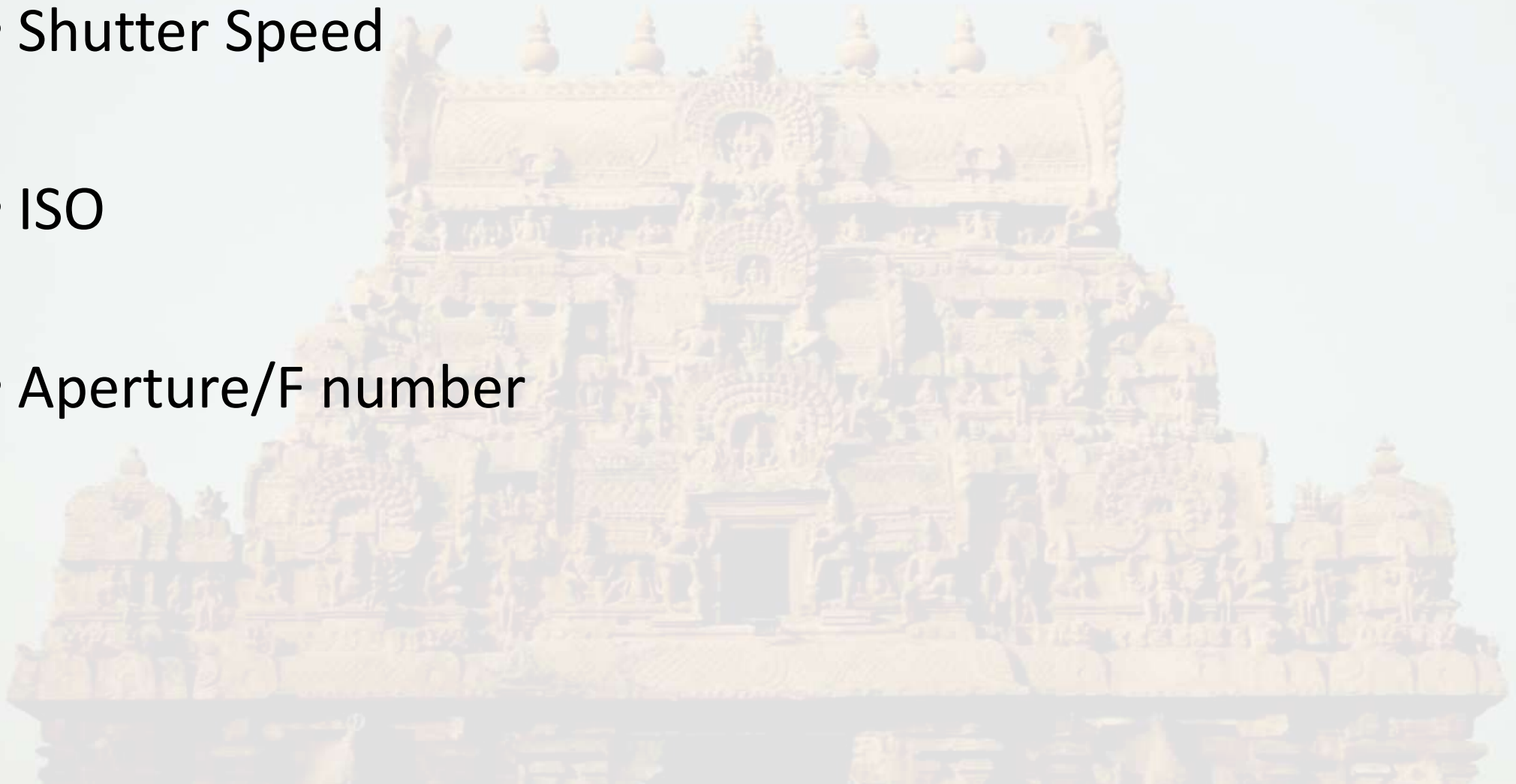
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What is a DSLR?

- In the most literal sense, a **DSLR camera** is a digital single-lens reflex **camera**.
- Inside the camera body is a mirror that reflects the light coming from the lens up into an optical viewfinder, by way of either a prism (in higher-end DSLRs) or a series of additional mirrors (usually in lower-end models).

The various elements in a DSLR Photography

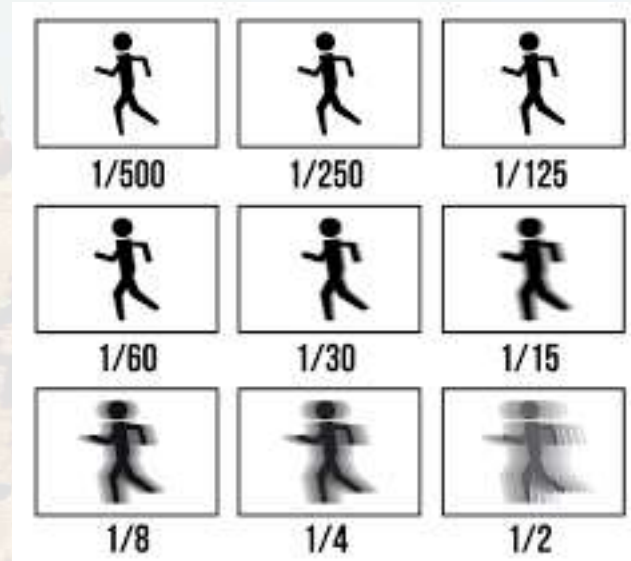
- Shutter Speed
- ISO
- Aperture/F number



Shutter Speed

- Shutter speed is the *length of time* your camera shutter is open, exposing light onto the camera sensor.
- Essentially, it's how long your camera spends taking a photo. This has a few important effects in how your images will appear.
- Shutter speeds varies from 30 seconds to $1/3200^{\text{th}}$ second depending on the camera.

Shutter Speed



$1/500^{\text{th}}$ of a second is the fastest and captures objects in moving, sharply!

While $1/2^{\text{nd}}$ of a second lets more light in and is useful in photographing a low light non moving object

ISO

- ISO is simply a camera setting that will brighten or darken a photo.
- As you increase your ISO number, your photos will grow progressively brighter.
- ISO is a good tool to help you capture images in dark environments or be more flexible about your aperture and shutter speed settings.
- A photo taken at too high of an ISO will show a lot of grain, also known as *noise*, and might not be usable.

ISO



Aperture

- Aperture is a hole within a lens, through which light travels into the camera body.
- A basic 18-55mm lens will have f3.5 to f5.6
- F3.5 means the lens is relatively closed and lets in lesser amount of light when compared to F5.6
- A smaller F number will help achieve depth of field and blurs the background

Aperture



The image on the left has a smaller F number compared to the one in right and thereby achieving the desired depth of field

Showcase



Showcase



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Showcase



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