PRACTICAL RECORD

HSS BOARD

ABILITY ENHANCEMENT COURSES

Photography & Film Making

(COURSE CODE: HS237LH/HS247LH)

For the III / IV Semester B.E PROGRAMS

(Group Evaluation sheet)

Name of the student	Aditya Bhandari
Section, Batch	IV Sem B.E. 2023 Admission Batch
Program	B.E. in Computer Science – Data Science
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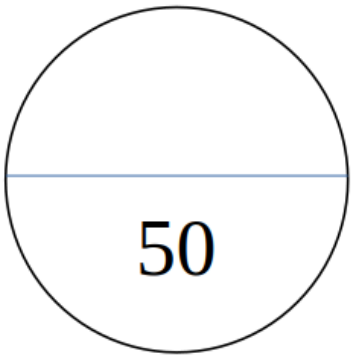
HUMANITIES & SOCIAL SCIENCES

2024-25

This is to certify that Mr./Ms……..…….. Bearing USN…….. has satisfactorily completed the Photography & Film Making HS237LH/ HS247LH in Ability Enhancement course prescribed by HSS Board for the *III/IV* semester of BE Programs during the Academic Year 2024 - 2025.

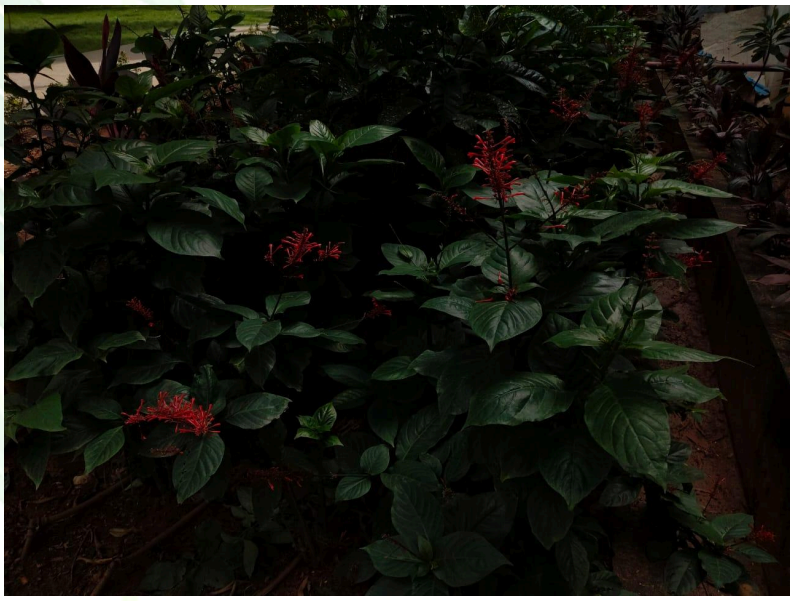


Signature

(Faculty In-charge)

Dr. Shanmukha Nagaraj

Low ISO Photography



Outdoor close-up

Subject: Common shrub

ISO: 50 | **Aperture:** 1.8 | **Shutter Speed:** 1/400 sec | **Lighting:** Natural daylight | **Focal Length**: 26 mm

This is a plant of the species “Odontonema Strictum”. It commonly grows around the college campus. Shot using a low ISO setting, the photograph preserves the subtle textures of the leaves and the clean surface that reflects the plant’s resilience in an urban environment. The photo was taken during the morning time when the sunlight was dim. This enhanced the plant’s natural color without introducing any digital noise.

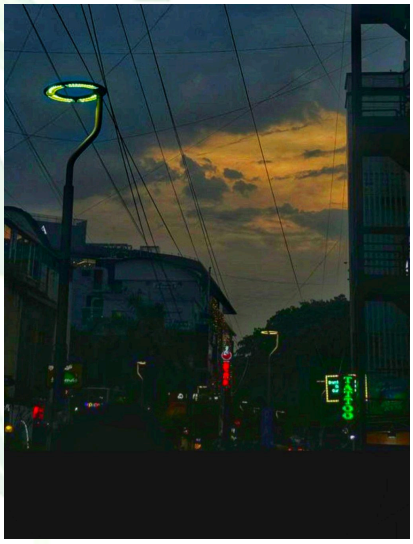
Indoor Still-Life

Subject: Black purse

ISO: 100 | **Aperture:** 1.8 | **Shutter Speed:** 3.2 sec | **Lighting:** Natural daylight | **Focal Length**: 26 mm

This is my mother’s black purse. The image focuses on the purse, blurring the rest of the background, and hence showing us the finer details of the purse in crisp and clear detail. This picture was taken on our bed during noon time. The cloudy weather coupled with the low ISO setting made it a perfect candidate for a dim image. The high shutter speed enabled the camera to prevent motion blur.

High ISO Imaging & Close-up shot



Subject: City street
ISO: 1600 | **Aperture:** 1.8 | **Shutter Speed:** 1/60 sec | **Lighting:** Artificial

These images capture a moody, atmospheric streetscape just after sunset, possibly during a light rain. The glowing amber hue from the sodium street lamp softly illuminates the wet street and parts of the adjacent buildings, creating a warm, cinematic contrast against the deep blue tones of the night sky. The background shows the glowing signs of high-rise buildings, hinting at an urban setting without pulling focus from the narrow residential lane below.
A wide-open aperture enables maximum light intake, enhancing sharpness and exposure in darker zones while preserving detail in the midtones. The high shutter speed freezes the raindrops and avoids motion blur, resulting in crisp building outlines and clear reflections on the wet street. This combination highlights both ambient mood and architectural structure, making the photo visually rich and contextually grounded.

Subject: Leaf Surface
ISO: 400 | **Shutter Speed:** 1/250 sec | **Aperture:** f/1.8 | **Lighting:** Natural diffused daylight

This is a tightly composed close-up shot of a large green leaf, likely from a tropical plant. The image captures the leaf's intricate vein structure in exceptional detail, emphasizing both the radial symmetry and the subtle color gradients across the surface. There is no visible foreground or background. The entire frame is filled with the subject, enhancing texture and form without distraction. This type of shot is ideal for nature studies, texture exploration, or abstract photographic work.

Selective Focusing & Freeze Frame Techniques

Subject: Young tamarind tree branch

ISO: 154 | **Aperture:** 1.8 | **Shutter Speed:** 1/60 sec | **Lighting:** Afternoon daylight | **Focal Length**: 22 mm

This image features a close-up of a young tamarind branch, captured on campus. Shot at an ISO setting of 154, the photograph maintains excellent clarity and minimal noise, allowing the fine structure and fresh green tones of the leaflets to stand out. The wide aperture creates a shallow depth of field, resulting in a beautifully blurred background that isolates the subject from the rest of the frame. The image effectively demonstrates how precise camera focusing can enhance texture and tone in close-up nature photography.

Subject: Mid-air dragonfly

ISO: 1000 | **Aperture:** 1.8 | **Shutter Speed:** 1/2000 sec | **Lighting:** Overcast sky | **Focal Length**: 26 mm

This image captures a red dragonfly in mid-flight, sharply frozen against a pale, overcast sky. Utilizing a high shutter speed, the motion of the dragonfly's wings and body has been freezed, revealing intricate details such as the transparent veins of the wings and the texture of the abdomen. The diffused daylight provides even lighting without harsh shadows, enhancing clarity and minimizing distractions. This image is a clear demonstration of freeze-frame photography, halting time to showcase what would otherwise be invisible to the naked eye.

Blur of Moving Object (Slight Blur & Full Blur)

Subject: Table Tennis Ball in Motion
ISO: 1350 | **Aperture:** f/1.8 | **Shutter Speed:** 1/250 sec | **Lighting:** Indoor artificial light | **Focal Length**: 26 mm

This photograph captures a dynamic moment from a table tennis game, with the ball mid-air and slightly blurred to suggest rapid motion. The blur effectively conveys the speed and energy of the ball while preserving sharp focus on the players and the table. The composition emphasizes the interaction between stillness and motion, and the ball subtly streaks toward the far side of the table. A moderate ISO and shutter speed were used to allow motion blur while retaining sufficient sharpness in the background. This image demonstrates how intentional blur can be used creatively to highlight movement and action within a controlled indoor scene.

Subject: Auto Rickshaw and Scooter in Motion
ISO: 3019 | **Shutter Speed:** 1/17 sec | **Aperture:** f/1.8 | **Lighting:** Ambient evening city light | **Focal Length**: 26 mm

This image captures a classic example of full-motion blur during a busy evening street scene. Both the moving auto rickshaw and scooter are rendered with complete blur, losing most of their structural details and textures. The motion is conveyed vividly, creating a strong sense of speed and urban activity. The background, including the flyover pillar, buildings, and street signage, remains relatively sharp and clearly visible, helping to anchor the composition. The photograph was taken with a steady hand with a slower shutter speed in low-light conditions, allowing the camera to capture motion trails while maintaining a crisp background. This technique transforms everyday movement into a more expressive and almost abstract representation of life on the streets.