Code:

import cv2  
  
cap = cv2.VideoCapture(0)  
  
if not cap.isOpened():  
 print("Error: Could not open webcam.")  
 exit()  
  
print("Press 'n' for normal speed, 's' for slow motion, 'f' for fast motion, 'q' to quit.")  
mode = 'normal'  
while True:  
 ret, frame = cap.read()  
 if not ret:  
 break  
 # Display the frame  
 cv2.imshow('Webcam Video', frame)  
 if mode == 'normal':  
 key = cv2.waitKey(30) & 0xFF  
 elif mode == 'slow':  
 key = cv2.waitKey(100) & 0xFF  
 elif mode == 'fast':  
 key = cv2.waitKey(10) & 0xFF  
  
 if key == ord('s'):  
 mode = 'slow'  
 print("Switched to slow motion")  
 elif key == ord('f'):  
 mode = 'fast'  
 print("Switched to fast motion")  
 elif key == ord('n'):  
 mode = 'normal'  
 print("Switched to normal speed")  
 elif key == ord('q'):  
 break  
cap.release()  
cv2.destroyAllWindows()

output:

