import matplotlib.pyplot as plt

from matplotlib.patches import FancyBboxPatch, FancyArrowPatch

# Create figure and axes

fig, ax = plt.subplots(figsize=(12, 6))

ax.set\_xlim(0, 12)

ax.set\_ylim(0, 4)

ax.axis('off')

# Define steps

steps = [

("DATA ACQUISITION &\nPREPROCESSING", "01", "deeppink"),

("DATASET\nPREPARATION", "02", "mediumorchid"),

("MODEL\nDEVELOPMENT", "03", "seagreen"),

("EVALUATION\n& PREDICTION", "04", "darkorange"),

("DEPLOYMENT\n& MONITORING", "05", "olive")

]

# Plot each step

positions = [1, 3, 5, 7, 9]

for (text, num, color), x in zip(steps, positions):

circle = plt.Circle((x, 2), 1, color=color)

ax.add\_patch(circle)

ax.text(x, 2.3, text, fontsize=10, color='white', ha='center', va='center', weight='bold')

ax.text(x, 1.3, num, fontsize=22, color='black', ha='center', va='center', weight='bold')

# Draw arrows

arrow\_colors = ['deeppink', 'mediumorchid', 'seagreen', 'darkorange']

for i in range(4):

ax.annotate("",

xy=(positions[i+1]-1, 2), xycoords='data',

xytext=(positions[i]+1, 2), textcoords='data',

arrowprops=dict(arrowstyle="->", color=arrow\_colors[i], lw=3))

# Title

ax.text(10.5, 3.5, "STEPS OF\nPROGRESS", fontsize=22, ha='right', va='center', color='maroon', weight='bold')

plt.tight\_layout()

plt.show()