Weekly Timetable for Deep Learning & Mathematics

Note: This timetable is designed to accommodate university and institute commitments during the daytime, ensuring ample time for sleep and practice in the evenings and weekends.

# Monday

8:00 PM – 9:30 PM: Mathematics (Linear Algebra)  
Details: Focus on matrices, eigenvalues, eigenvectors, and matrix decomposition.

9:30 PM – 10:00 PM: Break  
Details: Take a short break.

10:00 PM – 11:30 PM: Deep Learning (Neural Networks)  
Details: Study basics of neural networks, activation functions, and backpropagation.

# Tuesday

8:00 PM – 9:30 PM: Mathematics (Calculus)  
Details: Focus on derivatives, gradients, and integrals for optimization problems.

9:30 PM – 10:00 PM: Break  
Details: Break time.

10:00 PM – 11:30 PM: Deep Learning (CNNs)  
Details: Study convolutional neural networks (CNNs) and their applications.

# Wednesday

8:00 PM – 9:30 PM: Mathematics (Probability)  
Details: Study probability distributions, random variables, and their applications in machine learning.

9:30 PM – 10:00 PM: Break  
Details: Break time.

10:00 PM – 11:30 PM: Deep Learning (RNNs)  
Details: Focus on recurrent neural networks (RNNs) and sequence modeling.

# Thursday

8:00 PM – 9:30 PM: Mathematics (Optimization)  
Details: Learn gradient descent, SGD, and optimization methods.

9:30 PM – 10:00 PM: Break  
Details: Break time.

10:00 PM – 11:30 PM: Deep Learning (Transfer Learning)  
Details: Study transfer learning and fine-tuning models.

# Friday

8:00 PM – 9:30 PM: Mathematics (Statistics)  
Details: Study statistics concepts like variance, hypothesis testing, and distributions.

9:30 PM – 10:00 PM: Break  
Details: Break time.

10:00 PM – 11:30 PM: Deep Learning (Autoencoders)  
Details: Study autoencoders and unsupervised learning techniques.

# Saturday

8:00 PM – 11:00 PM: Project Work  
Details: Work on a larger deep learning project that incorporates math and deep learning concepts.

# Sunday

9:00 AM – 12:00 PM: Mathematics Review  
Details: Review topics studied during the week and solve additional problems.

12:00 PM – 1:00 PM: Break  
Details: Take a break.

1:00 PM – 3:00 PM: Project Review  
Details: Review or complete any pending project work or topics.