Become an AI/ML Expert with Phitron 🚀

Master Machine Learning, Deep Learning. Work under top university faculties and industry experts to build a standout thesis and publish a research paper to boost your profile for higher study.

AI/ML | Thesis | Research Paper | Higher Study | Projects

ENROLL NOW

Next Batch Enrollment Schedule

Enrollment Start
March 10, 2026

Enrollment End
March 24, 2026

Course Fee 7500 BDT

ENROLL NOW

Challenges holding you back

Your dream to become an AI/ML expert and pursue higher studies abroad can become a reality with your dedication and our expert guidance.

😞

Challenges

- No clear AI/ML learning path
- Lack of thesis/ research support

Don’t know how to publish papers

Weak profile for higher studies

😀

Solutions

Complete Journey: Python, Math, ML, DL, projects/thesis

Mentorship from university faculties and industry experts

Full guidance on writing and publishing research papers

Strengthen applications with a cutting-edge thesis and research publication

Why Phitron?

✅ In-Depth AI/ML Curriculum

Go from zero to advanced in Machine Learning, Deep Learning, and LLMs – with real-world applications.

👩‍🏫 Mentorship from the Best

Work directly under top university researchers and industry experts.

📞 Daily Live Help

Never get stuck. Get daily live support and 1-on-1 mentorship on learning, projects, research, and thesis writing.

🎓 Thesis-Ready & Academic Aligned

Perfectly structured thesis – built to match global university standards.

📄 Research Publication Support

Step-by-step guidance to write, polish, and submit research papers to IEEE, Springer, and beyond.

🌍 Future-Ready, Career-Boosting Projects

Create professional AI projects that land scholarships and higher study admissions.

Outcome of this journey

By the end of this program, you'll

- 🔥 Gain in-depth skills in ML, DL, and LLMs
- 🎓 Your CSE thesis with full academic mentorship
- 🖊 Publish a research paper (IEEE, Springer)
- 🌍 Boost your profile for higher study abroad

Your Learning Journey — AI/ML in 5–6 Months

Embark on a full 5-month journey combining deep technical knowledge, math intuition, and hands-on projects—designed to prepare you for both career success and academic excellence.

Month 1

Python, Math & Statistics

- Python foundations & production workflow (NumPy, Pandas)
- Data cleaning, feature prep & visualization
- Colab/Kaggle workflow with GPU usage
- Linear Algebra essentials & PCA preview
- Probability & Statistics basics
- Math in code: loss functions, gradient descent & logistic regression

Month 2

AI & ML Core Foundations

- Supervised learning: Regression, Classification, Trees, Random Forest
- Advanced algorithms: SVM, Gradient Boosting, Ensemble
- Unsupervised learning: k-Means, DBSCAN, PCA, t-SNE
- Semi & Self-Supervised learning (Autoencoders, Contrastive)
- Interpretability & Clustering evaluation (SHAP, LIME)

- Foundation Models overview (BERT, GPT, ViT)

Month 3

Deep Learning & Transformers Intro

- Neural Networks basics & Backpropagation
- Optimization, Activations & Normalization
- Regularization, Data Augmentation & Training Stability
- Transfer Learning with Pretrained CNNs
- Vision Transformers & CNN vs Transformer comparison
- Hands-on projects with MNIST & CIFAR-10

Months 4-5

Computer Vision + NLP

- Image Processing & Filters (OpenCV, Histograms, Edges, Augmentation)
- CNN Foundations & Object Detection (YOLO, SSD, R-CNN concepts)
- Hybrid Vision Models (Swin, CvT, CNN+Transformer benchmarking)
- Text Preprocessing & Embeddings (Word2Vec, GloVe, BERT-style)
- Sequence Models (RNN, GRU, LSTM, Attention, seq2seq)
- Transformers for NLP (BERT, GPT, Fine-tuning, LoRA)
- NLP Applications (Sentiment, Translation, Summarization, QA, NER)
- Responsible AI & Deployment (Bias, Safety, API Serving, Demos)

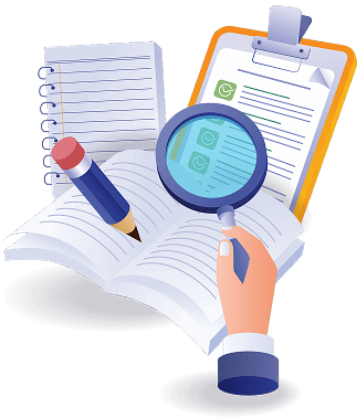
More Details

Two Tracks

Embark on a full 5-month journey combining deep technical knowledge, math intuition, and hands-on projects

Track A

Thesis + Research Publication



Criteria: finish on time with avg 90% marks and no course under 70% :

you can choose any track

Track B

Professional AI/ML Project

- Select AI Project Domain & Problem (NLP, Computer Vision, Recommendation System, Healthcare AI, Generative AI, etc.). If you don't have an idea, we will provide you with a list of ideas to choose from.
- Confirm the problem scope is achievable.
- Choose an applied AI domain (e.g. AI chatbot, recommendation engine, AI agent, LLM app)
- Prior knowledge in web or mobile development is required to publish your work on web or app interface
- Get feedback from mentors and improve iteratively
- Get help with resume prep, project showcase, and mock interviews
- Perfect for job interviews, freelancing, and startup building

Thesis Track vs. Project Track

Embark on a full 5-month journey combining deep technical knowledge, math intuition, and hands-on projects—designed to prepare you for both career success and academic excellence.

Criteria	Thesis Track	Project Track
🔬 Deep Research Skills	✅ Best fit	Possible (less focus)
💻 Real-World Product Building	Possible (less focus)	✅ Best fit
📄 Research Paper Publication	✅ Yes	❌ Not Included

🌐 Higher Study Abroad (MS/PhD)	✅ Strong Advantage	Moderate Benefit
💼 Job / Internship Readiness	✅ Good Foundation	✅ Strong Advantage
👷 Build Tech Portfolio	✅ Good	✅ Strong

Key Features — What Makes This Platform Different?

ENROLL NOW

🔥

AI-Powered Curriculum

Learn modern AI deeply – from fundamentals to transformers, ChatGPT-style models, and beyond – designed for maximum impact and real-world readiness.

👩‍🏫

Expert Mentorship

Get daily guidance and feedback from top AI engineers, researchers, and thesis advisors shaping the future of tech and academia.

🔧

Daily Live Support

Continuous help with assignments, projects, research, and thesis – ensuring you stay on track and excel every step of the way.

📄

World-class Thesis & Publication

Full end-to-end assistance to conceive, write, refine your thesis, and submit research papers to IEEE, Springer, and more.

🎓

University & Higher Study Abroad

Comprehensive preparation to land scholarships and admissions to top universities worldwide, making your global education dreams a reality.

Prerequisites

Embark on a full 5-month journey combining deep technical knowledge, math intuition, and hands-on projects—designed to prepare you for both career success and academic excellence.

Programming Language Proficiency

You should know the basics of one programming language (Python, C/C++, or JavaScript), including functions, loops, variables, and conditionals.

CSE Fundamentals Finish

Finished CSE Fundamentals with Phitron or Web Development with Programming Hero (or are at least 70% done) with either.

Thesis That Opens Doors

Comfortable with high school-level algebra, functions, probability, and basic statistics. We'll guide you through the deeper math as needed for ML.

Growth Mindset & Dedication

You don't need to be a math genius or AI expert. But you must be curious, consistent, and ready to stick through the full journey.

Frequently Asked Questions (FAQ)

01 **Do I need prior experience in AI or Machine Learning?** −

Nope. We start from scratch — Python, math, and ML fundamentals — and take you step by step through Deep Learning, LLMs, and real-world projects.

02 **Is there any prerequisite for this course?** +

03 **Can students from a non-CSE background join this course?** +

04 **Is this course suitable for CSE thesis (undergrad or MS)?** +

05 Is this thesis compatible with higher study abroad? +

06 Will I be able to publish a research paper? +

Show All

Level-4, 34, Awal Centre, Banani, Dhaka

Official: support@phitron.io

Helpline : +8801335106733, +8801332502006
(Available : 10AM - 5PM)

Useful Links

Refund policy

Terms and Conditions

Privacy Policy

App Privacy Policy

About us

Success Story

Social Media Link

Download App

GET IT ON Google Play

Pay With