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

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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)

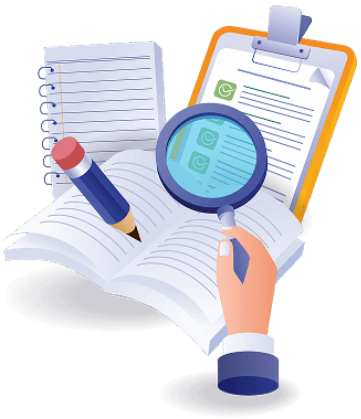
More Details

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

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