



Memorandum of Understanding (MoU)

between

Lokmanya Tilak College Of Engineering

&

Coding Ninjas

PREAMBLE

This MoU is executed on the 21st December 2020 between Coding Ninjas, an Education-Tech company with keen focus on imparting tech education to college students in India, having its registered office at Plot No. 360, Kohat Enclave, Pitampura, Delhi-110034 and Lokmanya Tilak College of Engineering having its registered office at Kopar Khairane, Sector 4, Vikas Nagar, Navi Mumbai, Maharashtra 400709.

OBJECTIVE

Lokmanya Tilak College of Engineering has always focused on providing the best skills to Students in the field of Engineering and have successfully created a positive impact in their lives. Coding Ninjas shares the same vision and has up-skilled students from more than 900+ colleges and universities till now. A Memorandum of Understanding between Lokmanya Tilak College of Engineering and Coding Ninjas will ensure that both the parties arrive on a common platform to work towards their vision and increase awareness about the importance of Coding and Tech skills among the Student community.

Coding Ninjas Overview

Educators with strong tech background trying to reform Tech Education We take pride in branding ourselves as the best Computer Science trainers

- We're a team of dedicated developers, mentors and educators
- Practical based, innovative learning environment
- Experience of teaching 40,000+ students
- Proven and Industry-leading curriculum
- Highest rated courses with highest completion rate in Industry

At Coding Ninjas, our mission is to continuously innovate the best ways to train the next generation of developers and to transform the way tech education is delivered. We're constantly evolving the ways in which we train amazing developers. We approach our educational philosophies as a never-ending journey of self-improvement, and we apply it to everything we do.

Faculty graduated from **Stanford University, IITs, IIITs, DTU** with industry experience from tech **bigwigs like Facebook, Amazon, Zillious, Cars24, Housing** etc.

Our Investor

With **Info Edge (India) Private Limited** as a key investor, we are a proud addition to the company's robust portfolio which includes leading companies across Recruitment, Matrimony, Real Estate and Education.

This portfolio consists of portals like:



Approved Training partner of **National Skill Development Corporation (NSDC)**



Vision

Building Careers of Tomorrow

Mission

To hand-hold students in the journey to advance their career skills through rigorous online programs offer personalised support, with best in class faculty and Industry professionals

Proposed partnership model

Coding Ninjas has collaborated with various Colleges and Universities of high repute all over India. This has helped both the College Administration and the students by providing an online solution to all the technical skills needed for the Industry.

We have received very positive feedback from the students and which is why the college administration has shown faith on our online teaching model.

Under this partnership we will be offering our foundation courses worth INR 5000, free-of-cost to the first and second year engineering students of Lokmanya Tilak College of Engineering.

1. Batch of 1st (2020-24) & 2nd (2019-23) year students can select any one of the below mentioned Course

- Foundations of C++
- Foundations of Python
- Foundations of Java

Apart from the mentors, content, doubt resolution support, and platform; this will also include frequent Webinars, Coding Tests, and Online Workshops to make sure that all the students are learning and on the right learning curve.

Benefits of proposed free foundation course:

- Strong Logical Thinking
- Hands-on practical learning with projects and 100+ coding problems
- Training for the skill sets as per the Industry needs
- Command on implementations and converting logic into code
- Course is specifically designed to train first time coders in their first year of college
- Course is meant to build a strong coding foundation which help students build confidence and will allow them to move to advance level coding
- Course will help students to kick-start preparation for competing in international coding competitions
- Course can be completed 1-2 months depending on student availability

Most important our training helps students to ace the tech interviews of the most tech giants and dream tech companies.

Process of Training

- Generally, we release 2 lectures weekly.
- We will provide an assignment after each lecture.
- Programming tests will be conducted during the program.
- 4-7 hrs TA online support daily for doubt handling.
- Students will get progress report emails on their performance.
- Coordinators will get detailed progress & performance emails to monitor students.
- Students will get a Coding Ninjas certificate on successful completion of training.
- Panel access of student performance dashboard for faculty/co-ordinator
- Sessions from mentors for students, for career and performance guidance.

Course Curriculum

Students will two months of time to complete the entire course along with the assignments, and coding problems for each topic.

Topics	Sub-topics	Details
Basics of Programming	Flowcharts	Introduction to flowcharts, Decision making using flowcharts, Loops, Example problems
	Variables and Datatypes	First program, Variables and data types, Taking input, How data is stored in memory, Arithmetic Operators
	Conditional statements	Introduction to If else, Relational and logical operators, Nested conditionals
Loops and Functions	While loops	While loops, Flow of execution of statements in while loop, Example problems using while loop
	Patterns	Introduction to patterns, Basic Patterns, Square Patterns, Triangular Patterns, Character Patterns, Reverse Triangle, Inverted patterns, Isosceles triangles

	For loops	For loops, Break and Continue, increment - decrement operators
	Functions	Introduction to functions, Working of function calls, Variables and its scope, Pass by value
Arrays	Introduction to arrays	Introduction to arrays, How arrays are stored in memory, Passing arrays to functions
	Searching and Sorting	Understanding Binary Search, Selection sort, Bubble sort, Insertion sort, Merging two sorted arrays
Strings and 2D Arrays	Strings	Introduction to strings, storage of strings and their inbuilt functions
	2D Arrays	2D arrays, Storage of 2D arrays, Example problems using 2D Arrays

Apart from teachings by faculty, we offer the students a real time exposure and experience on an online platform which reinforces programming concepts, assess programming skills and creative thinking. Students are given assignments which contain Puzzles, Coding Questions, etc. Students will have to compile and come out with the accurate code to address the problem at hand.

The Solution is evaluated on:

- Code Accuracy - Does your solution give the expected result? How close is it to the accurate solution? Evaluation of code happens on how accurate the code is.
- Compliance with Test Cases – Your code is expected to follow commonly accepted test cases.
- Code Efficiency – Is your solution the most optimal solution possible? Coding Efficiency is currently loosely approximated to the number of lines of code.

Apart from the content, our platform 'Codezen' plays a unique role in learning process and quite popular amongst learners. Codezen is our online platform using proprietary technologies, social elements and well-crafted content curriculum delivering the finest learning experience.

Live Doubt Support with continuous mentorship guidance

An incredible mentor support is provided where 1 teaching assistant is assigned to 10 students. We provide best in segment live doubt support, which helps students to resolve doubts instantly. We ensure every doubt to be solved on priority which helps in maintaining the motivation in student to complete the course.

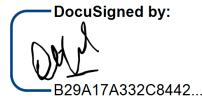
Our Student experience team monitors performance of each student, to provide that extra push and help whenever required. Whenever we see any drop in performance, our task is to provide the right mentorship to take them through the course. This team is behind the reason why we have the highest course completion rate.

This agreement is based on mutual confidence and friendly co-operation. In case any dispute or difference arises, this shall be clarified and settled by means of personal negotiations between the respective Chairman/Managing Director/Director of the parties. In case this procedure is infructuous, any difference or dispute shall be settled by reference to two arbitrators, one to be appointed by each party to the dispute. All disputes shall be finally settled by Arbitration and Conciliation Act, 1996. The award shall be final and binding upon both the parties.

FORCE MAJEURE

Neither Lokmanya Tilak College of Engineering nor Coding Ninjas shall be liable for any damage or loss suffered by the other on account of the happening of any event which the said parties are unable to avoid and over which they have no control and which prevents the said parties from executing their contractual obligations, such events being, but not limited to war, civil commotions, strikes, natural catastrophes, embargo, Acts of God, etc.

IN WITNESS WHEREOF, the parties through their authorized representatives have executed this Memorandum of Understanding on the day, month and year mentioned above.

For and on behalf of Lokmanya Tilak College of Engineering	For and on behalf of Coding Ninjas
Signature	Signature  B29A17A332C8442...
Name and Designation	Kannu Mittal Co -Founder Coding Ninjas

Annexure

Coding Ninjas provides training in variety of courses on beginners, core backend developers , preparation, development basis:

We have designed a program to offer **Foundation with Data Structures & Algorithms trainings in JAVA, C++, Python languages** to the College Students, including interview preparations perspective. Students gain Exposure to the real time Problem Solving and logical thinking abilities. The training Program offered through Coding Ninjas before the students start developing the solutions builds the foundation for the code writing for the solution.

Interview Preparation course, to succeed in the tech interviews, students need to understand the expectations of the interviewer. This course will train them on solving problems, writing algorithms and analysing their solutions. It will also ensure rigorous and comprehensive preparation for the major tech giants like Amazon, Samsung, Uber etc.

In the **Competitive Programming** course, students learn to write efficient programmes and are trained to get solution for the complex codes. They get ready for the competitions like ACM ICPC, Google Codejam and more.

In the advance development courses we have variety of skill & interest based development courses, most popular of them **Full Stack web development** course. The focus of the course is web apps in Front End, Back end development. We have different offerings with in-demand skills like **React, Node.js, Mongo DB etc**. Every product-based companies like Facebook, Amazon, Uber etc seek professionals from this field.

Similarly for mobile app development, we offer an **Android App Development Course** that help students learn the fundamentals of Kotlin, Google's preferred programming language for Android and build interesting applications.

Finally most aspired skill **Data Science & Machine learning**. This data science training revolves around the concepts of **Python, Machine Learning, Data Cleaning** and Data Analysis. This course will help students understand core concepts and the latest advancements including aspects of **Supervised, Unsupervised** and the very latest and riveting field of Deep Learning by working on several projects.

In fact, all our development advance courses consist of internship worthy projects