

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (the "MOU") is entered into on 22<sup>nd</sup> day of August 2022 (the "Effective Date"),

### BY AND BETWEEN

**Sorting Hat Technologies Private Limited**, a private company incorporated under the provisions of the Companies Act, 2013 bearing CIN U72200KA2015PTC082063 and having its registered office at Maruti Infotech Centre, 3rd Floor, A-Block, Domlur, Koramangala Inner Ring Road, Bangalore- 560 071, Karnataka, India (hereinafter referred to as "**CodeChef**", which expression shall, unless repugnant to the meaning or context thereof, be deemed to include its legal representatives and permitted assigns) of the **FIRST PART;**

### AND

**Marri Laxman Reddy Institute of Technology and Management**, with its campus at Dundigal, Near ORR, Gandimaisamma, Hyderabad - 500043, (hereinafter referred to as "**College**", which expression shall, unless repugnant to the meaning or context thereof, be deemed to include its legal representatives and permitted assigns) of the **SECOND PART;**

The CodeChef and the College shall thereafter, as the context may require, individually be referred to as a "**Party**" and collectively be referred to as the "**Parties**".

### WHEREAS:


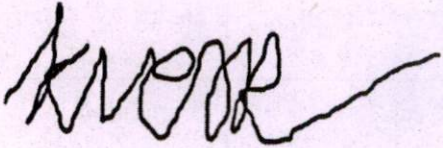
- i. The College is engaged in education to students across various domains.
- ii. The Parties wish to enter into a collaboration wherein CodeChef shall provide one-year free access to its platform, to the students and faculty of the College.
- iii. The College has represented and warranted to CodeChef that it has relevant authority, permit and licenses to fulfill its obligations under this MoU and based on the said representation and warranties, CodeChef has agreed to enter into this MoU with the College on a non-exclusive basis and the Parties have agreed to fulfill their obligations under this MoU.

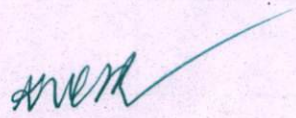
**NOW THEREFORE**, in consideration of the mutual promises and covenants contained herein, the Parties agree as follows

1. The College shall enroll approximately 4800 students with CodeChef.
  - a. The College shall share the student details in a timely basis and in one-go by sending CodeChef a spreadsheet containing student's account creation details such as - Name, Roll number (optional), email ID, College name (preferred way of referring the College), and preferred pattern for creating their usernames on CodeChef.
  - b. For those students whose accounts are already on CodeChef, the College shall share their existing CodeChef usernames as well in the spreadsheet.
  - c. By using the information in the spreadsheet, CodeChef shall create bulk accounts/profiles of students and share the same with the College.

2. CodeChef shall conduct an Orientation session for faculty and students of the College on a time mutually decided by both parties.
3. The College shall review the program curriculum shared by CodeChef and map it to its existing semester/curriculum.
  - a. The program curriculum is given as Annexure 2 to this MOU.
  - b. In case of changes, CodeChef and College shall discuss and finalize the same before the commencement of the program.
  - c. CodeChef shall organize meeting(s) with the faculty of the College to understand the curriculum in-depth, and select problems per topic.
4. Periodic practice sessions & Assessment-based tests (for grading) shall be created by CodeChef for the students and regularly shared with the College. The program structure is given as Annexure 1 to this MOU.
5. CodeChef has no liability whatsoever other than that of providing access to the platform for one year and creating practice & assessment-based tests.
6. College and CodeChef agree that the information shared during this MoU's term is confidential and shall not disclose it with any third party without prior written consent.
7. College hereby agrees to indemnify and save harmless CodeChef including, where applicable, its affiliates, directors, officers, employees and agents (each such party being an "Indemnified Party") harmless from and against and agree to be liable for any and all losses, claims, actions, suits, proceedings, damages, liabilities or expenses of whatever nature or kind, incurred by the Indemnified Party that arises out of:
  - a) breach of any of its obligations, covenants or representations and warranties under this Agreement; or
  - b) Violation of any applicable laws; or
  - c) Infringement of any third-party intellectual property rights;
8. This MoU shall be valid for a period of one year from the Effective Date.
9. This MoU may be terminated at any time by either Party upon fifteen (15) days' written notice to the other party.
10. This MoU shall be governed by the laws of India. The courts of India shall have exclusive jurisdiction.
11. In the event that the Parties desire to change, add, or otherwise modify any terms, they shall do so in writing to be signed by both parties.

The Parties agree to the terms and conditions set forth above as demonstrated by their signatures as follows:

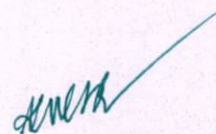
Signature		 <small>Dr. K. Venkateswara Reddy (27th August 2022, 12:12 GMT)</small>
Name	Tony Mathew	Dr. K. Venkateswara Reddy
Title	Authorized Signatory	Principal
	For, <b>CodeChef</b>	For, <b>College</b>



Annexure 1

Program Structure

Week Count	Tasks
Week 1	Orientation
Week 2	Week 1 Practice Link (~5 hand-picked coding problems)
Week 3	Week 1 Assignment Link (~2 hand-picked coding problems) Week 2 Practice Link (~5 hand-picked coding problems)
Week 4	Week 2 Assignment Link (~2 hand-picked coding problems) Week 3 Practice Link (~5 hand-picked coding problems)
Week 5	Week 3 Assignment Link (~2 hand-picked coding problems) Week 4 Practice Link (~5 hand-picked coding problems)
Week 6	Week 4 Assignment Link (~2 hand-picked coding problems) Week 5 Practice Link (~5 hand-picked coding problems)
Week 7	Week 5 Assignment Link (~2 hand-picked coding problems) Week 6 Practice Link (~5 hand-picked coding problems)
Week 8	Week 6 Assignment Link (~2 hand-picked coding problems) Week 7 Practice Link (~5 hand-picked coding problems)
Week 9	Week 7 Assignment Link (~2 hand-picked coding problems) Week 8 Practice Link (~5 hand-picked coding problems)
Week 10	Week 8 Assignment Link (~2 hand-picked coding problems) Week 9 Practice Link (~5 hand-picked coding problems)
Week 11	Week 9 Assignment Link (~2 hand-picked coding problems) Week 10 Practice Link (~5 hand-picked coding problems)
Week 12	Week 10 Assignment Link (~2 hand-picked coding problems)



## Annexure 2

### CodeChef Program - At A Glance

#### 1) Foundation Non-DSA Program

- Recommended for 1st Year Students

Topic 1	Maths
Topic 2	Maths II
Topic 3	Conditional Statements
Topic 4	Conditional Statements II
Topic 5	Arrays
Topic 6	Strings
Topic 7	Loops
Topic 8	Sorting
Topic 9	Binary Search
Topic 10	Basics RoundUp

#### 2) Indicative Beginners DSA Focused Program

- Recommended for 2nd and 3rd Year Students

Topic 1	Basics of Programming, Time Complexity
Topic 2	Basics of Programming, Time Complexity II
Topic 3	Arrays
Topic 4	Strings
Topic 5	Sorting
Topic 6	Binary Search
Topic 7	Stacks, Queues
Topic 8	BST, STL
Topic 9	Graphs
Topic 10	Greedy Algorithms

#### 3) Intermediate DSA Focused Program

- Recommended for colleges with some programming culture

Topic 1	Basic Number Theory, Asymptotic Analysis
Topic 2	Recursion and Dynamic Programming I
Topic 3	Dynamic Programming II
Topic 4	Dynamic Programming III
Topic 5	Graphs I - Introduction to Trees, BFS, DFS
Topic 6	Graphs II - LCA and more BFS, DFS
Topic 7	Tree DP
Topic 8	Graphs III - Shortest Paths
Topic 9	Graphs IV - More Shortest Paths
Topic 10	Graphs V - DSU, MSTs

#### 4) Advanced DSA Focused Program

- Recommended for colleges with advanced programming culture

Topic 1	Advanced Graphs I - DAGs and SCCs
Topic 2	Advanced Graphs II - Network Flows
Topic 3	Advanced Graphs III - More Network Flows
Topic 4	Square Root Decomposition
Topic 5	Segment Trees I
Topic 6	Segment Trees II
Topic 7	Advanced Number Theory
Topic 8	Advanced Dynamic Programming I
Topic 9	Advanced Dynamic Programming II
Topic 10	Advanced Dynamic Programming III




**Note:**

- The sequence of the topics can be rearranged based on the college requirements
- Each week, approximately 5 problems for practice and approximately 2 problems for assignment will be shared

*Handwritten signature*

**CONTRACT NAME** SHT- Codechef MOU-Marri Laxman Reddy Institute of Technology and Management - 22082022  
**CONTRACT ID** 6690695f-91c8-4be6-a159-165b2f710e51  
**STATUS** Executed

CONTRACT HISTORY

-  Sent for Signature to **Dr. K. Venkateswara Reddy** (principal@mlritm.ac.in) by **Brindha Balakrishnan** (brindha.balakrishnan@unacademy.com). 22 August, 2022 10:50:57 UTC  
IP: 14.97.89.74  
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**SENT**
-  Signed by **Dr. K. Venkateswara Reddy** (principal@mlritm.ac.in). 27 August, 2022 12:12:10 UTC  
IP: 103.22.173.218  
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**SIGNED**
-  This document has been signed and executed by all parties.   
**EXECUTED**

