Memorandum of Understanding

Between

Arya College of Engineering, Jaipur

&

Learn and Build by TechieNest Pvt. Ltd.

This Memorandum of Understanding (MoU) is drawn up and agreed upon to establish the initial framework for cooperation between Arya College of Engineering, Jaipur, SP-40, RIICO Industrial Area, Kukas, Delhi Road, Jaipur, Rajasthan – 302028, India. and Learn and Build by TechieNest Pvt. Ltd, Gopalpura Mode, Jaipur-302018, -Rajasthan, India.

Arya College of Engineering, Jaipur, SP-40, RIICO Industrial Area, Kukas, Delhi Road, Jaipur, Rajasthan – 302028, India. has authorized **Dr. Himanshu Arora, Principal, Arya College of Engineering, Jaipur** to enter into this MoU on it's behalf as the **FIRST PARTY**.

AND

Learn and Build by TechieNest Pvt. Ltd., which expressions shall mean and include, unless repugnant to the context o r meaning thereof its successors and permitted assigns) has authorized **Mr. Saurabh Bhardwaj** to enter into this MoU as the **SECOND PARTY**.

"**Arya College of Engineering, Jaipur** " and " **Learn and Build by TechieNest Pvt. Ltd** " are hereinafter, wherever the context so admits, collectively referred to as the "**Parties**" and individually as a "**Party**".

AND WHEREAS the purpose of MoU is to establish an understanding of mutual cooperation between **Arya College of Engineering, Jaipur** and **Learn and Build by TechieNest Pvt. Ltd.,** providing a common platform for deriving mutual advantages in their pursuit of **Campus Requirement Training (CRT) and Company Specific Training** in general and benefiting the students, along the following paradigms:

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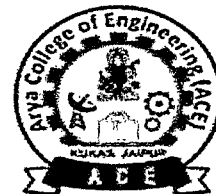
Whereas, both the parties mutually agree up following topics covered as per **Annexure 1.**

Subject : Campus Requirement Training (CRT)

Arya college of engineering deliverables:

1. Voluntary support from faculty members for best coordination in execution.

2. Infrastructure having computer lab, projector and mic.

Learn and Build by TechieNest Pvt. Ltd, deliverables:

1. Quality execution of campus recruitment training.

2. Mock tests and feedback sessions.

3. Performance Evaluation of each student based of their learning on LnB platform.

4. Profile building of each student.

Terms & Conditions –

1. The duration of this Associations in between TechieNest Pvt Ltd & Arya College of Engineering, Jaipur will be for One (1) year from the date of signing this MOU.

2. This training will have .06. batches having 50.. students each batch, and a total number of enrolled students will be ....

3. In this complete training subject expert trainer will be provided by the second party to the first party. Once the trainer is approved by college management then too change of trainer will take place.

4. First party will collect CRT fee from the students, which is INR 3,800 + 18% GST **(INR – 4484/-)** per student for year 2025 passout students which will get released to second party as follows -

(a) 25% of the total fees - On Start of the CRT Program.

(b) 25% of the total fees - After 35% Completion of the CRT Program.

(c) 25% of the total fees - After 70% Completion of the CRT Program.

(d) 25% of the total fees - After 100% Completion of the CRT Program.

5. There will be an extra cost of company specific training as per college need which will be charged on day basis which is INR 2,500 + 18% GST per trainer per day.
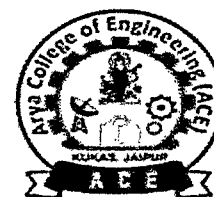
Relationship Between the Parties :

It is expressly agreed that **First Party** and Second **Party** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorised to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

Any divergence or difference derived from the interpretation or application of the MOU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of **Jaipur.**
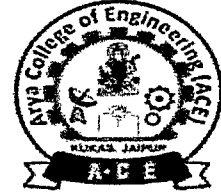
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Signature of the Behalf of Arya College of

Engineering, Jaipur

Name - **Dr. Arvind Agarwal**

Designation - **President**

Organization - **Arya Group of Colleges**

Email - agarwaldrarvind@gmail.com

Contact No - **+91-9829058655**

Date - 9\10\23 .

Signature of the Behalf of Learn and Build

By TechieNest Pvt Ltd

Name - **Saurabh Bhardwaj**

Designation - **Founder & CEO**

Organization - **Learn and Build By TechieNest**

Email - saurabh@techienest.in

Contact No - **+91-9251094002**

Date - 9th october 20 23

Witness 1 -

Name - Pawan Sen

Designation - Asst. Prof

Email ID - pawander @gmail.com

Mobile No - 9929194204

Signature -

Witness 1 -

Name - Gaurav Kumar Soni

Designation - DGM

Email ID - gaurav @ learnandbuild.in

Mobile No - 3351648377

Signature -

Witness 2 -

Name -

Designation -

Email ID -

Mobile No -

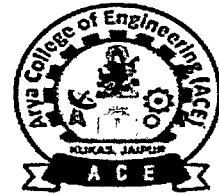Signature -

Witness 2 -

Name -

Designation -

Email ID -

Mobile No -

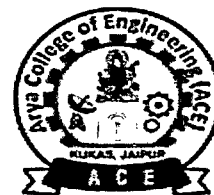Signature -

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Syllabus
CRT Program
Programming Languages - C, C++, Java, DBMS, DSA with C++, Quantitative Aptitude, Logical Reasoning, Verbal Ability
Total Duration - 170 Hours

Assignments - 9   Assessments - 6   Projects - 2

S.No	Topics	Duration (hours)
1	**Orientation**	**6**
a	Commencement of the program, Discussion on exams, processes and patterns of various Companies and our CRT Program execution	2
b	Workshop on Fundamentals of C Programming (Revision)	4
2	**Technical Training (OOPs-20, DBMS-20, DSA-54, Java-10, Project- 16)**	**120**
2.1	*Fundamentals of Programming C++*	
a	Data Types	
b	Operators	
c	Conditional Statements	4
d	Loops	
e	Basis Questions & Practice	
2.2	*Functions*	
a	Introduction	2
b	Logic Building Questions	
2.3	*OOPs Concepts*	
a	Class and Objects	
b	Class Methods & Constructors	
c	Encapsulation	14

d	Inheritance	
e	Polymorphism	
f	Abstraction	
	Project 1	8
	Assignment 1 **Assessment 1** **Test Report Analysis and Feedback to Students**	
2.4	**DBMS**	
a	Introduction	
b	Relational DBMS	
c	ER Model	
d	Introduction To SQL	20
e	SQL CRUD operations	
f	Normalisation	
g	ACID Properties	
h	Indexing	
	Assignment 2	
2.5	**DSA (Data Structures and Algorithms): Basic Maths and Patterns**	
a	GCD	
b	LCM	2
c	Prime Numbers	
d	Palindromes	
e	Divisors	
2.6	**Recursion**	
a	Fabonacci	
b	Power Function	4
c	Factorials	
2.7	**BackTracking**	
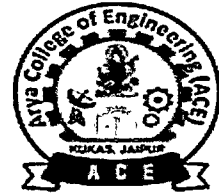
a	Subsets	2
b	Permutations & Combination	
c	N-Queen Problems	
2.8	**Arrays**	4
a	Two Pointers	
b	Prefix Sum	
d	Sliding Window	
	Assignment 3 **Assessment 2** **Test Report Analysis and Feedback to Students**	
2.9	**Sorting**	2
a	Comparison based sorting	
b	Non Comparison based sorting	
2.10	**Binary Search**	6
a	Monotonic Functions	
2.11	**Hashing**	2
a	Collision Handeling	
b	Hash Functions	
2.12	**Bit Manipulations**	2
a	Set Bits	
b	XORs	
c	MSBs, LSBs	
2.13	**Linked list**	4
a	Introduction	
b	Fast & Slow pointer	
c	Cycle Detection	
e	Single & Doubly Linked list	
f	Reversal of linked list	
	Assignment 4	

2.14	Stacks & Queues	
a	Introduction	
b	Push Efficient	
c	Pop Efficient	6
d	Queue using stack & vice versa	
e	Circular Queue	
f	Valid Paranthesis	
2.15	Heaps	
a	Priority Queues	4
2.16	Trees	
a	Introduction	
b	Binary Trees	6
c	Binary Search Trees	
2.17	Graphs	
a	DFS	6
b	BFS	
2.18	Company Specific Coding Exams	
a	Accenture	
b	Capgemini	
c	TCS	2
d	Developer Role Questions	
e	Pseudo Codes	
	Assessment 3 **Test Report Analysis and Feedback to Students**	
	Revision of Above Course - Common Class	2
	Workshop on Fundamentals of OOPs Concept with Java Programming	10
	Project 2	8

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3	Quantitative Aptitude	16
3.1	**Numbers**	
a	Divisibility & types	2
b	Factors & LCM,HCF	
3.2	**Percentages**	
a	Calculations & approximations	
b	Increase & Decrease concept	2
c	Successive Percentages	
3.3	**Profit & Loss**	
a	Basic Terms used in transections	
b	Mark Up % Discount	2
c	Successive Discount & rigged balances	
	Assignment 5 **Assessment 4** **Test Report Analysis and Feedback to Students**	
3.4	**Ratios**	2
a	Types of ratios	
3.5	Proportion & Variation Concept	
3.6	Time & work	8
3.7	Pipes & Cisterns	
3.8	Time, speed & distance	
	Assignment 6	
3.9	Boats & streams, linear & circular races	
3.10	Averages & Ages	12
3.11	Mixtures & Alligations	
3.12	Partnership	

	Assignment 7 **Assessment 5** **Test Report Analysis and Feedback to Students**	
4	**Logical Reasoning**	**8**
a	Analytical Puzzles	
b	Seating Arrangements -linear, circular & rectangular	
c	Clocks	8
d	Calendars	
e	Syllogisms	
f	Data Sufficiency	
	Assignment 8	
5	**Verbal Ability**	**10**
5.1	**Reading and Comprehension**	2
5.2	**Grammatical**	
a	Sentence Correction	
b	Spotting Errors	4
c	Vocabulary	
5.3	**Writing Skills**	
a	Emails	2
b	Essay	
	Assignment 9 **Assessment 6** **Test Report Analysis and Feedback to Students**	
	Revision of Above Course - Common Class	2
	SOFT SKILL TRANING	**10**