Tel.: +91-180-2636700, 2638259 E-mail: principalibcollege@gmail.com Website: ibpgcollegepanipat.ac.in

# I.B. POST GRADUATE COLLEGE

(ESTD. 1956)

G.T. ROAD, PANIPAT-132103 (HARYANA)

(Affiliated to Kurukshetra University, Kurukshetra)

I34299 21

DATED 01 5 2021

To

The Principal
Ramanujan College
University of Delhi
Kalkaji,
New Delhi 110019

Sub: Memorandum of Understanding (MoU)

Sir,

Please find enclosed herewith two copies of Memorandum of Understanding (MoU) between I.B. (PG) College, Panipat and Teaching Learning Centre (TLC) for organizing Faculty Development Programme in the month of June 2021

Kindly acknowledge the same and send back one copy of MoU duly signed and stamped

Thanks & Regards

Dringing

Principal

LB (PG) College, Panipat



हरियागा HARYANA

51AA 387086

## MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding (MOU) is made on Thursday, April 29, 2021 between I.B. (PG) College, Panipat affiliated to Kurukshetra University, Kurukshetra (Hereinaster called the 'First Party')

And

Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi located at Kalkaji, New Delhi – 110019 (Herein after called the 'Second Party').

And whereas the *First Party* and the *Second Party* have agreed to the following terms and conditions of the agreement:

- 1. The aim of the hereby agreement is to enhance the capacity building of teachers/faculty members through organizing a 7-days Online Faculty Development Program on 'ICT Tools in Higher Education' from 7th -14th June 2021
- 2. The Deliverables by First Party are given as follows:
  - a. Brochure and Poster preparation
  - b. Mail management and query handling of the participants
  - c. Report Writing (Day Wise) and its compilation
  - d. Promotion of the FDP in neighboring states like Punjab and Himachal Pradesh to the north and Rajasthan, Uttarakhand and Uttar Pradesh
  - e. Administrative support in terms of organizers
  - f. Overall Cooperation

- 3. The Deliverables by Second Party are given as follows:
  - a. Arrangement of resource persons
  - b. Producing video content
  - c. Producing written content
  - d. Drafting quizzes and assignments
  - e. Evaluating assignments
  - f. Administrative support for portal development and maintenance like uploading of content on a daily basis
  - g. Generation of Certificates
  - h. Promotion of the FDP
  - i. Collection of Registration Fees
- Registration fee of Rs. 950/- (including staff of First Party and Second Party) will be charged from the academicians and will be Rs. 550 for PH candidates. The fees will be collected through Online Mode (UPI/ NEFT) and will be used to meet the expenses for the said FDP.
- 5. Second Party will charge consultancy fees of **Rs. 25,000** from the First Party in lieu of the services rendered by the Second Party to the First Party, like for the development of the MOOC platform, brand, expertise, certificate, and resources. This consultancy fees should be transferred before the start of the FDP.
- 6. Registration fees will be waived off for 5 participants from the First Party
- 7. Both the parties have agreed to promote the FDP as given below:

## **Online Faculty Development Program**

On

## **ICT Tools in Higher Education**

## Organised by

# Teaching Learning Centre (TLC), Ramanujan College (Under PMMMNMTT scheme)

#### And

## I.B. (PG) College, Panipat

- 7. Logos of both the parties will be used in the promotional material.
- 8. Name of both the coordinators and Principal and TLC Assistant Directors will appear.

- 9. Both the parties have agreed that they will extend every form of co-operation to each
- 10. The hereby agreement shall initially be conducted for this FDPbetween 7th 14th June 2021however the agreement can be extended to organize more such FDPs/FDPs in future. Both the parties will be responsible for organizing and managing the FDP as per the provisions mentioned above.
  - 11. The Brochure Contents as agreed can be as follows:

# Online Faculty Development Program

On

# ICT Tools in Higher Education

## Organised by

# Teaching Learning Centre (TLC), Ramanujan College (Under PMMMNMTT scheme)

And

## l.B. (PG) College, Panipat

- 12. Coordinator from the First Party shall be Dr. Arpana Pujara whereas Coordinator from Second Party shall be Mş. Nidhi Mathur
- 13. The hereby agreement shall be made in two identical copies. All the versions are equally valid. Each of the parties of the hereby agreement shall receive one copy of the agreement.

We hereby signify our acceptance of the terms and conditions stated above.

I.B. (PG) College

(PG) College, Panipat

Panipat

Kalkaji, New Delhi प्रोफेसर-प्राचार्य / Professor-Principal रामानुष्पन कॉलेज/Ramanujan College

The Second Party

Prof. S. P. Aggarwal

Ramanujan College

University of Delhi

Principal

दिल्ली विश्वविद्यालय/University of Delhi कालकाजी. नर्नु द्वितिही-110019 / Kalkaji, New Delhi-110019

Place: New Delhi

Date: 29th April, 2021

Place: Panipat



R.K.S.D. (P.G.) COLLEGE, KAITHAL

('A' Grade, NAAC Accredited)

Affiliated to Kurukshetra University, Kurukshetra

Ph. 01746-222368, Fax: 235119

Website: rksdcollege.com, E-mail: rksdcollegektl@yahoo.com

Ref. No. 14625

Dated. 24-5-21

## Memorandum of Understanding

This Memorandum of Understanding (MoU) is signed between the Department of **English** Session (2020-21)

Name of the College

T.B. (G) College

Address G. T. Rog of (First Party)

tanibat

Name of the College

Name of the College

Address Ambala Rocal (Second Party)

Hakaithan Hart

It is agreed to carry out the following activities jointly:

- 1. Research collaborations.
- 2. Training/Workshops for staff members.
- 3. Cultural exchange programmes.
- 4. Guest lectures for students under the faculty exchange programmes.
- 5. Any other collaborative activity advised by the IQAC and various committees of the college.

Both the parties will mutually provide all necessary infrastructure and human resource for the proposed activities.

(Signature and Stamp)

Principal
Principal
Signature and Stamp
(S.D. (PG) College



Tel.: +91-180-2636700, 2638259
E-mail: principalibcollege@gmail.com
Website: ibpgcollegepanipat.ac.in

# I.B. POST GRADUATE COLLEGE

(ESTD. 1956)

G.T. ROAD, PANIPAT-132103 (HARYANA)

(Affiliated to Kurukshetra University, Kurukshetra)

REF. NO. 1303 2021

DATED 19 5 2021

## Memorandum of Understanding

This Memorandum of Understanding (MoU) is signed between the department of  ${\bf English}$ 

Session (2020-21)

Name of the College

I.B. (PG) COLLEGE

Address

G. T. ROAD

(First Party)

PANIPAT

And

Name of the College

R. K. S.D. Callege

(Second Party)

Address

Ambala Road

It is agreed to carry out the following activities jointly:

- 1. Research collaborations.
- 2. Trainings/Workshops for staff members.
- 3. Cultural exchange programmes.
- 4. Guest lectures for students under the faculty exchange programmes.
- 5. Any other collaborative activity advised by the IQAC and various committees of the college.

Both the parties will mutually provide all necessary infrastructure and human resource for the proposed activities.

Principal

(Signature and Stamp)

Prineipal

I.B. (P.G.) College, Panipai

Principal

(Signature and Stamp)

KAITH

#### Department of Industries & Commerce, Haryana

#### Form-III

"Certificate of Registration to be issued under Section 9(1) of the Haryana Registration and Regulation of Societies Act,

(See rule 5 and rule 6)

#### Certificate of Registration of Society

I hereby certify that a Society bearing the Registration Number and name as undermentioned has been registered this [03] day [Nov] month [2015] year under the Haryana Registration and Regulation of Societies Act, 2012 (Haryana Act No. 1 of 2012).

State Code		District Code			Year Of Registration			Registration Number					
Н	R	0	0	7	2	0	1	5	0	0	6	4	4
	Name C	of the So	ciety					Registered	Office A	ddress			
BAJRANG OM KRIPA EDUCATION SOCIETY				156, VPO DADHOLA, TEH. BAPOLI, DISTT. PANIPAT									

Issued under my hand at [Panipat] this [03] day of (month)[Nov] (Year)[2015] having Unique Identification Number - 2000103602

Issuing Authority Qistrict Registrar, Panipat Date: 2015-11-09

#### SOME IMPORTANT PROVISIONS OF THE HRRS ACT 2012 TO BE FOLLOWED:

- . One Flat one vote.
- Collegium Scheme to be approved from District Registrar if members strength is more than 300.
- Administrator if appointed will not enroll new members, incur capital expenditure and give employement in the society.
- . Terms of Governing Body not to be more than 3 years.
- Member to be not less than 21 year age.
- . Office bearers of society (Three to twenty one).
- General Body and other meeting should be conducted with quorum i.e 1st meeting 40%, 2nd meeting 25% and 3rd meeting - 15% (see entire Provisions)
- Submission of mandatory Annual Returns i.e. list of members, list of members of collegium, list of office bearers, Annual Report on working, Balance Sheet & Auditors Report, Copy of special resolution otherwise shall attract penalities & fines as per provisions of Act.
- In case of Joint Apartment owners, 1st owner will be eligible to contest the elections.
- Proxy voting not allowed.
- . Condominium/ Association covered under Apartment Ownership Act 1983 is to be formed by owners only.
- · Election observer may be appointed by District Registrar or on request of Society





# BICA



Bajrang Institute of Computer & Accounting
RUN BY: Bajrang om Kripa Education Society (Regd)

No			

Date 12 Jun 21

To, The Principal IB (PG) College Panipat Harvana- 13210

Haryana- 132103 Date: 09-06-2021

Subject: Proposal for College Tie-up with BICA Computer Centre – Run By : Bajrang om kripa education society (Regd) Respected Madam/Sir,

Thank you for receiving the proposal.

We have been running education institute in Panipat city for last six years. This institute is doing work to enhance the Computer knowledge in society. We want to give python programming coding course in your college for that student skills will improve and your college will get the name/fame. Thanking you,

Yours truly,
Mr. Ravinder Vats
Director
BICA COMPUTER CENTRE
Shop No. 3 Tau Devi Lal Complex Near Nagar Nigam Office, Railway Road Panipat
Ph. No. 9255888941, 01804018941

#### **Programme Details:**

Python Programing content, training and assessment for certification for All types students. This may also be offered to other disciplines as per mutual agreement.

Tentative duration: 45 hours

Price per candidate: INR Rs. 1440/- for IB college Panipat only. The actual fee for Python is 5500/- For any clarifications, please call on the above signed.

Thanking you.

Agreed and Accepted



## **Syllabus for Python Programming**

#### 1. LANGUAGE FUNDAMENTALS

- Introduction
- · Features of Python
- · Limitations of Python
- · Flavors of Python
- Python Versions
- Identifiers
- Reserved Words
- DATA TYPES
- Base Conversions
- Slicing of Strings
- . TYPE CASTING
- Fundamental Data Types vs Immutability
- Escape Characters
- Constants

#### 2. OPERATORS

- Arithmetic Operators
- Relational Operators OR Comparison Operators
- Equality Operators
- Logical Operators
- Assignment operators
- Ternary Operator OR Conditional Operator
- Special operators
- Operator Precedence
- Mathematical Functions (math Module)
- Command Line Arguments
- Output Statements

3. FLOW CONTROL



- Conditional Statements
- Iterative Statements
- Transfer Statements
- Loops with else Block
- del Statement
- Difference between del and None

#### 4. STRING DATA TYPE

- What is String?
- How to define multi-line String Literals?
- How to Access Characters of a String?
- Behaviour of Slice Operator
- Slice Operator Case Study
- · Mathematical Operators for String
- len() in-built Function
- Checking Membership
- · Comparison of Strings
- Removing Spaces from the String
- Finding Substrings
- Counting substring in the given String
- Replacing a String with another String
- Splitting of Strings
- Joining of Strings
- · Changing Case of a String
- Checking Starting and Ending Part of the String
- To Check Type of Characters Present in a String.
- Formatting the Strings
- Important Programs regarding String Concept
- Formatting the Strings

#### 5. LIST DATA STRUCTURE

· Creation of List Objects



- Accessing Elements of List
- List vs Mutability
- Traversing the Elements of List
- Important Functions of List
- Using Mathematical Operators for List Objects
- Comparing List Objects
- Membership Operators
- clear() Function
- Nested Lists
- Nested List as Matrix
- List Comprehensions

#### 6. TUPLE DATA STRUCTURE

- Tuple Creation
- Accessing Elements of Tuple
- Tuple vs Immutability
- Mathematical Operators for Tuple
- Important Functions of Tuple
- Tuple Packing and Unpacking
- Tuple Comprehension
- Differences between List and Tuple

#### 7. SET DATA STRUCTURE

- Creation of Set Objects
- · Important Functions of Set
- Mathematical Operations on the Set
- Membership Operators: (in, not in)
- Set Comprehension

#### 8. DICTIONARY DATA STRUCTURE

- How to Create Dictionary?
- · How to Access Data from the Dictionary?
- How to Update Dictionaries?



- How to Delete Elements from Dictionary?
- Important Functions of Dictionary
- Dictionary Comprehension

#### 9. FUNCTIONS

- Built in Functions
- User Defined Functions
- Parameters
- Return Statement
- Returning Multiple Values from a Function
- Types of Arguments
- Case Study
- Types of Variables
- global Keyword
- Recursive Functions
- Anonymous Functions
- Normal Function
- Lambda Function
- filter() Function
- ap() Function
- reduce() Function
- Everything is an Object
- Function Aliasing
- Nested Functions

#### 10. MODULES

- Renaming a Module at the time of import (Module Aliasing)
- from ... import
- Various Possibilities of import
- Member Aliasing
- Reloading a Module
- Finding Members of Module by using dir() Function



- The Special Variable\_ name\_
- Working with math Module
- Working with random Module

#### 11. Basics of OOPS

- Why OOPS?
- What Is Object-Oriented Programming in Python?
- Define a Class in Python
- Classes vs Instances
- instantiate an Object in Python
- Class and Instance Attributes
- Instance Methods
- Pillars of OOPS
- What is Abstraction?
- What is Inheritance?
- What is Encapsulation?
- What is Polymorphism?
- What to explore more in python
- Developer fundamental

## 12. Python Project (Intro to web framework)

- Project 1: Password generator and checker
- Project 2: Web scraper using beautiful soup

IN WITNESS WHEREOF, the parties hereto have executed this MOU on

Name Rowinder vots Signature...Q Date... 1216124

(Second Party)

(First Party) BICA (Bajrang Institute of Computer & Accounting) Nominee (Management/Society) Dr. Ajay Kumar Garg

Principal

Witness:



## I.B.(PG) COLLEGE, PANIPAT

G.T. Road, Panipat-132103, Haryana

Website: www.ibcollegepanipat.ac.in Email: principalibcollege@gmail.com



# **Online One Month Certificate Course**

On

# **Core Python**

Organized by

## **Department of Computer Science**

Last Date to Apply
14 June, 2021
STARTING FROM 10 June,
2021

Course Duration 30 Days Class Duration 60 minutes daily

60 minutes daily

٦

By: Mr. Ravi Kumar SBT Professionals Pvt. Ltd.

Two Projects will be developed during the course Registration Links:

https://forms.gle/2vigRTwTG MEFA3eW9

WhatsApp Group Links:

https://chat.whatsapp.com/KP W0pdp7Y9cK9DEXKapamN

Dr. Ajay Kumar Garg Principal cum Patron

Dr. Vikram Kumar Convener

Dr. Ranju Course-Coordinator

Organizing Committee

Prof. Ashwani Gupta Prof. Vinay Bharti Prof.Deepti Prof.Neetu

Prof.Geetika Prof.Ajmer





हरियाँगा HARYANA

E 140043

## MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding entered on 09/06/2021 between Governing Body, I.B.College, Panipat as the First party on the behalf of I.B. College, Panipat & BICA Computer Center (Panipat) as second party/service provider/Education Institute.

This document constitutes an agreement between I.B. College, Panipat and BICA Computer Center (Panipat) for training/educating/teaching/ enhancing programming skills among the students of I.B. (PG) College, Panipat with different courses/activities/program offered by Second party.

## 1. Objective of the MOU:

The objective of this MOU is to express the willingness of both parties to engage in an effort to teach/educate/enhance knowledge and skills of students of the UG & PG Courses by imparting industry relevant programming skill and increasing their employability. Knowledge of programming language and more specifically **Python** increases the industry exposure and employability of students upon graduation by **Certification in Python**.



313 Sho Nobestell
Anning Sho Nobestell
Anning

(UOM) DESCRIPTION OF UNDERSTANDING (MOU)

Memoraneum of Onterming emired on 09/05/1021 between a line first perty on the behalf of i.e. on the behalf of i.e. onterming books i.e. College, Panings & Section College, Panings &

This decument conditiones an agraement between i.u. College, Penipar and once. Computer Center, (Panipar) for trabalizated untiling terrenal enhancing

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decitically Python decreases the industry, exposure, and employebility of tudents upon graduation by Certification in Python



Specific activities will be provided under this MOU to the students of our college by Bich Computer Center Pariport.

## 2. Proposed Terms and Conditions:

#### 2.1 Deliverables from BICA Computer Centre

- 1. Provide training on Licensed Python
- 2. Provide assessment and certification to the enrolled students.
- 3. Training will be provided through online mode as well as offline mode.
- 4. Verifiable Certificate to students who pass the assessment.
- 5. Online Mock assessments to students to evaluate their progress.

#### 2.3 Deliverables from College:

- 1. College to make payment to empanelled partner before commencement of the course.
- 2. Necessary student details for the enrolled students.
- 3. Minimum of 30 students for certification.

#### 2.4 Programme Details:

Python official content, training and assessment for certification for BCA and B.Sc.(Computer Science) students. This may also be offered to other disciplines as per mutual agreement.

2.5 Tentative duration: 45 hours

## 3 General Terms of MOU

- 3.1 Duration of MOU: This MOU shall be functional after signing and will have an initial duration of two year (for sessions 2020-21 & 2021-22)
- **3.2** Coordination: In order to carry out and fulfill the aims of this agreement, each party will appoint an appropriate person(s) to represent its organization and to coordinate the implementation of activities.
- **3.3 Confidentiality:** Each party agrees that it shall not, at any time, after executing the activities of this MOU, disclosed any information in relation to these activities or the affairs of business or method of carrying on the business of the other without consent of both the parties.



- 3.4 Termination of MOU: The partnership/agreement covered by this MOU shall terminate on the completion of the agreed period. The agreement may also be terminated with a one month written notice from either side. In the event of non-compliance or breach by any one of the parties of the obligations binding upon it. The agreement with immediate effect may be terminated by the other party.
- 3.5 Extension of Agreement: The MOU may be extended provided the parties agree upon and provide the necessary resources.
- 3.6 Financial Burden: The second party/service provider will bear all the expenses incurred on the implements of this agreement. No amount will be charged from the first party.

Payment will be made in following manner

40% of the total payment will be made on commencement of the classes.

30% payment will be made after 20 days of commencement of classes.

Rest 30% will be made after completion of course.

3.7 Certification of the program: The clarification of the program will be provided to the students by the second party only after completion of the program/education.

IN WITNESS WHEREOF, the parties hereto have executed this MOU on dated 12/6/21

Name Rowinder vot Name L. M. Mix ... Name ....

Signature.....

Date: 12/6/24

Date:....

(Second Party)

(First Party)

Dr. Ajay Kumar Garg

Nominee (Management/Society) Principal

Witness:





Prof. Ashwani Gupta

**Prof.Vinay Bharti** 

**Organizing Committee** 

Prof.Deepti

Prof.Neetu

Prof.Geetika

Prof.Ajmer



## I.B. (PG) COLLEGE, PANIPAT REGISTERED STUDENTS FOR PYTHON COURSE

Sr. NO.	Receipt No	Name	Class	Roll No.		
1 18903		RITIKA	в.сом	3161520008		
2 18959		ANJU BCA 1ST		12021901102		
3	18967	PRIYANKA	BCA 1st	120219011027		
4	18970	MANSI	B.Sc. 2nd	3161720003		
5	18971	BHAWNA	B.Sc. 1ST	120219015049		
6	18972	GOURAV	B.Sc. 2nd	3161710006		
7	18973	LOKESH	B.Sc. 2nd	3161710009		
8	18974	DIVYA	B.Sc. 2nd	3161720005		
9	18975	AMIT	B.Sc. 2nd	3161710007		
10	18976	PRACHI	B.Sc. 2nd	3161720008		
11	18977	TANNU	B.Sc. 1ST	120219015028		
12	18978	JAYA	B.Sc. 2nd	3161720009		
13	18979	SAVIN	B.Sc. 2nd	3161710002		
14	18980	HARSH SAINI	B.Sc. 2nd	3161710003		
15	18981	ANJALI	BCA 1st yr	120219011008		
16	18982	ASHISH	B.Sc. 2nd	3161710001		
17	18983	GOURAV	BCA 1st yr	120219011043		
18	18984	SURAJ	BCA 1st yr	120219011011		
19	18985	DEEPAK	BCA 1st yr	120219011042		
20	18986	ANSHU	BCA 1st yr	120219011025		
21	18987	ANKUSH	BCA 1st yr	120219011017		
22	18988	NIKITA	BCA 1st yr	120219011014		
23	18989	GOURAV	B.Sc. 1st	120219015055		
24	18990	BHARAT	B.Sc. 1st	120219015022		
25	18991	SUMIT RUHAL	B.Sc 3rd yr	2280410015		
26	18996	LAKSHI	BCA 2nd yr	3162220001		
27	18997	BHARAT	B.Sc. 1st	120219015022		
28	18998	AADITYA	BCA 3rd	2280910002		
29	18999	NEHA	B.Sc. 2nd	3161720004		
30	18087	VERSHA	BCA 3rd	2280920003		
31	18088	SAZMA	BCA 3rd	2280920006		
32	18089	RAVI NANDAL	BCA 2ND	3162210004		
33	18091	NEETU	B.Sc. 2nd	3161720002		
34	18093	SARTHAK	BCA 1ST YR	120219011029		
35		DEEPAK	BCA 2ND	3162210017		
36	18095		BCA 1ST	120219011006		
37	18096	SONU	B.SC. 2ND	3161720001		
38	18097		BCA 1ST	120219011015		
39		ANKUSH	BCA 1ST	120219011013		



#### PARTECH SOLUTIONS

Technology Beyond the Dreams

MEMORANDUM CE CILLESTANDING (MOU)

This Memorandum of Understanding entered on 30 September,2020 between Governing Body, I.B. (PG) College, Panipat as the First party on the behalf of I.B. (PG) College, Panipat&PANTECH PROLABS PVT. LTD., as second party/service provider/Education Institute.

This document constitutes an agreement between I.B. (PG) College, Panipat and PANTECH PROLABS PVT. LTD., for training /educating/teaching students of I.B. (PG) College, Panipat with different courses/activities/program offered by Second party.

#### 1. Objective of the MOU:

The objective of this MOU is to express the willingness of both parties to engage in an effort to teach/educate students of the I.B. (PG) College, Panipatthrough Webinars/ Workshops/FDP's Specific activities will be provided under this MOU to the students of our college by ONLINE MODE only.

(List of the activities /services that will be rendered by the service provider/second party)

2. General Terms of MOU

- 2.1 Duration of MOU: This MOU shall be functional after signing and will have an initial duration of ONE YEAR
- 2.2 Coordination: In order to carry out and fulfill the aims of this agreement, each party will appoint an appropriate person(s) to represent its organization and to coordinate the implementation of activities.
- 2.3 Confidentiality: Each party agrees that it shall not, at any time, after executing the activities of this MOU, disclosed any information in relation to these activities or the affairs of business or method of carrying on the business of the other without consent of both the parties.
- **2.4 Termination of MOU:** The partnership/agreement covered by this MOU shall terminate on the completion of the agreed period. The agreement may also be terminated with a one month written notice from either side. In the event of non-compliance or breach by any one of the parties of the obligations binding upon it. The agreement with immediate effect may be terminated by the other party.
- **2.5** Extension of Agreement: The MOU may be extended provided the parties agree upon and provide the necessary resources.

#### PANTECH PROLABS INDIA PVT LTD,

#8 Natarajan Street, Nookampalayam Link Road cemmancherry, OMR

Chennai - 600 119, Tamilnadu, India.

Ph: 044 - 64524445/6/7

Internet:

Support: support@pantechsolutions.net

Sales : sales@pantechsolutions.net

Hand Phone:

Sales& Support: 91-9840974408

Service Centers

Chennai | Madurai | Coimbatore | Tirunelveli | Trichy | Cochin | Hyderabad | Pune

1. B. की मिल ज प्रावेट पामीपत 05/10/2020

#### SAUCECH POLITICITY

Technology Beyond the Dreams

**2.6 Financial Burden:** The second party/service provider will bear all the expenses incurred on the implements of this agreement. No amount will be charged from the first party.

**2.7** Certification of the program: The clarification of the program will be provided to the students by the second party only after completion of the program/education.

IN WITNESS WHEREOF, Name<u>MALAIYAPP</u>AN.M

the parties hereto have executed this MOU on dated 30.09.2020 Name....

Signature

ignature

Date:

Date: ... S-X-2620

(First Party)

(Second Party)

Nominee (Manage

Witness:

Principal 10 | 2020

#### PANTECH PROLABS INDIA PVT LTD,

#8 Natarajan Street, Nookampalayam Link Road cemmancherry, OMR

Chennai - 600 119, Tamilnadu, India.

Ph: 044 - 64524445/6/7

Internet:

Support: support@pantechsolutions.net

Sales : sales@pantechsolutions.net

Hand Phone:

Sales& Support : 91- 98409 74408

Service Centers

Chennai | Madurai | Coimbatore | Tirunelveli | Trichy | Cochin | Hyderabad | Pune

# AI MASTER CLASS SERIES(PYTHON) - I B (PG) College, Panipat in Association with PANTECH-Free Online Webinar (YOUTUBE LIVE)

Registration form for 30 DAY CHALLENGE ON AI MASTER CLASS SERIES

The Objective of this Webinar Series is to facilitate the participants to get cognizance of the concepts dealt with for substantial utilization of the same into studying, teaching, Research work, and Upgrading.

#### ARTIFICIAL INTELLIGENCE

DAY – 1 Overview of this course | Introduction to AI | How to create basic AI application (Chat bot using DialogFlow)

DAY -2 How to install Python & Libraries | Basics of python Programming for AI.

#### COMPUTER VISION

DAY – 3 Introduction to Computer Vision How to install computer vision libraries

DAY - 4 Moving Object Detection and tracking using OpenCV

DAY – 5 Face Detection and Tracking using OpenCV

DAY - 6 Object Tracking based on color using OpenCV

DAY - 7 Face Recognition using OpenCV

DAY - 8 Face Emotion recognition using 68-Landmark Predictor OpenCV

#### **DEEP LEARNING**

DAY – 9 Introduction to Deep learning | How to install DL libraries

DAY – 10 Designing your First Neural Network

DAY - 11 Object recognition from Pre-trained model

DAY – 12 Image classification using Convolutional Neural Network

DAY - 13 Hand gesture recognition using Deep Learning

DAY - 14 Leaf disease detection using Deep Learning

DAY - 15 Character recognition using Convolutional Neural Network

DAY - 16 Label reading using Optical Character recognition

DAY - 17 Smart Attendance system using Deep Learning

DAY - 18 Vehicle detection using Deep Learning

DAY - 19 License plate recognition using Deep Learning

DAY - 20 Drowsiness detection using Deep Learning

DAY - 21 Road sign recognition using Deep Learning

#### MACHINE LEARNING

DAY - 22 Introduction to Machine learning| How to install ML libraries

DAY - 23 Evaluating and Deploying the various ML model

DAY - 24 Fake news detection using ML

DAY - 25 AI snake game design using ML

### NATURAL LANGUAGE PROCESSING

DAY – 26 Introduction to NLP & it's Terminology | How to install NLP Libraries NLTK

DAY - 27 Title Formation from the paragraph design using NLP

DAY - 28 Speech emotion analysis using NLP

## DEPLOYING AI IN HARDWARE

DAY – 29 Cloud-based AI, Object recognition using Amazon Web Service (AWS) & Imagga

DAY – 30 Deploying AI application in Raspberry Pi with Neural Compute stick & Nvidia Jetson Nano

AI MASTER CLASS SERIES (PYTHON)

Date: OCT 05 - NOV 04, 2020

Webinar Participation Certificate will be Provided

2 Time: 08.00 PM - 08.45 PM (IST)

Registration Link:

http://shorturl.at/oCGIO

Dr Vikram Kumar(Convener)

Prof Ashwani Gupta(Co-convener)

Mobile: 9896143747

Designation : FACULTY

Department of Computer Science , I.B (PG) College , Panipat

#### PARTECH SOLUTIONS

Technology Beyond the Dreams

# AI MASTER CLASS SERIES Instruction

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#### Your Responsibility

1. Get the approval from the College/Institute

- 2. Ensure that all the students from the particular class should enroll it.
- 3. Get the feedback from the students once if the webinar finished.

Take Away

- \* Your Student will receive 30Days Webinar Participation Certificate by email.
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- \* The Coordinator will receive the Webinar Coordinator Certificate. Minimum 200 registration is required in your institute.

#### **Terms and Condition**

- 1. Pantech will not charge you for associating this event.
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# Course Plan

## Check out Agenda of this Course!

The Objective of this Webinar Series is to facilitate the participants to get cognizance of the concepts dealt with for substantial utilization of the same into studying, teaching, Research work, and Upgrading.

#### ARTIFICIAL INTELLIGENCE

- DAY 1 Overview of this course | Introduction to AI | How to create basic AI application (Chat bot using DialogFlow)
- DAY 2 How to install Python & Libraries | Basics of python Programming for Al.

#### **COMPUTER VISION**

- DAY 3 Introduction to Computer Vision | How to install computer vision libraries
- DAY 4 Moving Object Detection and tracking using OpenCV
- DAY 5 Face Detection and Tracking using OpenCV
- DAY 6 Object Tracking based on color using OpenCV
- DAY 7 Face Recognition using OpenCV
- DAY 8 Face Emotion recognition using 68-Landmark Predictor OpenCV

#### **DEEP LEARNING**

- DAY 9 Introduction to Deep learning | How to install DL libraries
- DAY 10 Designing your First Neural Network
- DAY 11 Object recognition from Pre-trained model
- DAY 12 Image classification using Convolutional Neural Network
- DAY 13 Hand gesture recognition using Deep Learning
- DAY 14 Leaf disease detection using Deep Learning
- DAY 15 Character recognition using Convolutional Neural Network
- DAY 16 Label reading using Optical Character recognition

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## PARTECH SOLUTIONS

Technology Beyond the Dreams

DAY - 17 Smart Attendance system using Deep Learning

DAY - 18 Vehicle detection using Deep Learning

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Dates: 05-10-2020 to 04-11-2020 Daily

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Click here to view the AGENDA of Al Master Class Series

#### How to get FREE WEBINAR Participation E-Certificate

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STEP#2: Subscribe & Get event link in PANTECH YOUTUBE CHANNEL

Minimum 25 Class attendance is required to get E-Certificate.

STEP#3: Join Telegram Group for AI MASTER CLASS

STEP#4: Join INSTAGRAM to get Updates on Demo of Al Master Class

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## I.B.(PG) College, Panipat

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Time: 08.00 PM to 08.45 PM

To Register Please click on the following link:

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Prof Ashwani Gupta Co-Convener Dr Vikram Kumar Convener Dr. Ajay Kumar Garg Patron & Principal आई.बी. महाविद्यालय, पानीपत ने राजस्थान की एक नामी यूनिवर्सिटी के साथ मिलकर बी.सी.ए एवं बी.एस.सी (कंप्यूटर साइंस) के विद्यार्थियों के लिए 30 दिन की ऑनलाइन कार्यशाला का आयोजन किया है। प्राचार्य डॉ. अजय कुमार गर्ग जी ने विस्तार से आगे बताया कि यह हमारे लिए हर्ष का विषय है कि हम एक नामी यूनिवर्सिटी के साथ मिलकर कार्यशाला का आयोजन करने जा रहे हैं, यह ऑनलाइन कार्यशाला 5 अक्टूबर 2020 से शुरू होकर 4 नवंबर 2020 तक चलेगी, जिसका विषय रहेगा Artificial Intelligence & PYTHON Programming । उन्होंने बताया कि आज का युग टेक्नोलॉजी का युग है और हमें समय के साथ आगे बढ़ना होगा।

आई. बी. स्नातकोत्तर महाविद्यालय पानीपत ने राजस्थान के नामी संस्थान के साथ मिलकर 30 दिवसीय कार्यशाला का आयोजन किया है जिसका शुभारम्भ 05.10.2020 को हुआ | वर्कशॉप के आरम्भ में प्राचार्य डॉ. अजय कुमार गर्ग ने कहा कि यह हम सब के लिए बहुत ही सुनहरा अवसर है | हम समय के साथ – साथ नई टेक्नोलॉजी से रूबरू हो रहे है | उन्होंने मुख्य वक्ता डॉ. संजय कुमार का परिचय देते हुए कहा की वो Pantech Solutions Pvt. Limited में प्रोडक्ट मेनेजर एवम आर्टिफीसियल इंटेलिजेंस के एक्सपर्ट है | लॉकडाउन अविध के दौरान डॉ. संजय कुमार ने करीब 150 से ज्यादा वेबिनर और 25 से ज्यादा कार्यशालाएं होस्ट कर चुके है | डॉ. गर्ग जी ने आगे बताया की वर्कशॉप में रोज़ाना लगभग 5000 प्रतिभागी शिरकत कर रहे है |

वर्कशॉप के सह-संयोजक प्रो. अश्वनी गुप्ता ने विस्तार से बताया की वर्कशॉप के तीसरे चरण के सोलहवें दिन ऑप्टिकल कैरेक्टर का उपयोग करते हुए लेबल की कैसे पहचाने यह बताया गया , सतराहवें दिन DEEP LEARNING (डीप लर्निंग) की मदद से स्मार्ट अटेंडेंस के बारे में बताया गया, अठारहवें दिन DEEP LEARNING (डीप लर्निंग) की मदद से खोये हुए वाहन को ढूँढना, उनीसवें दिन वाहन की लाइसेंस प्लेट को पहचानना बताया गया , बीसवें दिन मनुष्य के अंदर आलस्य के लक्षण का पता कैसे लगाया जाये यह बताया गया और तीसरे चरण के आखिर में यानि इकीसेवें दिन सड़क पर रोशनी पर पता लगाये जाये इस कैसे चिहनों का वर्कशॉप को चौथा चरण 26 अक्टूबर, 2020 को शुरू हुआ जिसका विषय मशीन लर्निंग है, इसमें बाईसवें दिन मशीन लर्निंग का विस्तार पूर्वक परिचय एवं उसकी लाइब्रेरीज को इनस्टॉल करना बताया गया , तेईसवें दिन मशीन लर्निंग के विभिन्न मॉडल्स का मूल्यांकन और उसे अपने कंप्यूटर में कैसे इनस्टॉल किया जाये यह बताया गया , चौबीसवें दिन मशीन लर्निंग की मदद से फर्जी समाचार का पता लगाना बताया गया और आज वर्कशॉप का पचीसवां दिन है जिसमें बहुचर्चित स्नेक गेम को कैसे डिजाईन किया जाये इसके बारे में प्रैक्टिकल ज्ञान दिया जायेगा |

आई. बी. स्नातकोत्तर महाविद्यालय, पानीपत ने राजस्थान के संस्थान के साथ मिलकर 30 दिवसीय कार्यशाला का आयोजन किया हुआ था उसका समापन 06.11.2020 को हुआ है | वर्कशॉप के समापन के अवसर पर प्राचार्य डॉ. अजय कुमार गर्ग ने कहा कि यह वर्कशॉप का आयोजन करके हम सब ने आज के युग में इस्तेमाल होने वाली टेक्नोलॉजी के बारे में विस्तार से जाना और हर संकाय के विद्यार्थियों ने इसका भरपूर आनंद उठाया एवम अपने ज्ञान में बढ़ोतरी की।

Date: 07.06.2021

The Principal I.B. (PG) College, Panipat

Subject: Payment for consultancy Fee to Ramanujan College

Sir,

You are requested to sanction an amount of Rs. 25,000/- (Rupees Twenty five Thousand only) for making payment as a consultancy fee to organize One Week Online FDP on "Optimising ICT Tools for Higher Education" in collaboration with Teaching Learning Centre & Research Development and Services Cell, Ramanujan College, University of Delhi w.e.f. June 18 – 26, 2021. The payment will be made through NEFT.

This is for your kind perusal.

Regards

(Dr. Arpana Garg) Co-ordinator Aelun,
106/24

# सारवीय घेर न्यायिक दस् अपये RUPEES रुपये RS.10 RS.10 INDIA NON JUDICIAL

हरियाशा HARYANA

51AA 387086

## MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding (MOU) is made on Thursday, April 29, 2021 between I.B. (PG) College, Panipat affiliated to Kurukshetra University, Kurukshetra (Hereinafter called the 'First Party')

And

Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi located at Kalkaji, New Delhi – 110019 (Herein after called the 'Second Party').

And whereas the *First Party* and the *Second Party* have agreed to the following terms and conditions of the agreement:

- 1. The aim of the hereby agreement is to enhance the capacity building of teachers/faculty members through organizing a 7-days Online Faculty Development Program on 'ICT Tools in Higher Education' from 7th -14th June 2021
- 2. The Deliverables by First Party are given as follows:
  - a. Brochure and Poster preparation
  - b. Mail management and query handling of the participants
  - c. Report Writing (Day Wise) and its compilation
  - d. Promotion of the FDP in neighboring states like Punjab and Himachal Pradesh to the north and Rajasthan, Uttarakhand and Uttar Pradesh
  - e. Administrative support in terms of organizers
  - f. Overall Cooperation

- 3. The Deliverables by Second Party are given as follows:
  - a. Arrangement of resource persons
  - b. Producing video content
  - c. Producing written content
  - d. Drafting quizzes and assignments
  - e. Evaluating assignments
  - f. Administrative support for portal development and maintenance like uploading of content on a daily basis
  - g. Generation of Certificates
  - h. Promotion of the FDP
  - i. Collection of Registration Fees
- 4. Registration fee of Rs. 950/- (including staff of First Party and Second Party) will be charged from the academicians and will be Rs. 550 for PH candidates. The fees will be collected through Online Mode (UPI/ NEFT) and will be used to meet the expenses for the said FDP.
- 5. Second Party will charge consultancy fees of Rs. 25,000 from the First Party in lieu of the services rendered by the Second Party to the First Party, like for the development of the MOOC platform, brand, expertise, certificate, and resources. This consultancy fees should be transferred before the start of the FDP.
- 6. Registration fees will be waived off for 5 participants from the First Party
- 7. Both the parties have agreed to promote the FDP as given below:

## Online Faculty Development Program

On

### **ICT Tools in Higher Education**

Organised by

Teaching Learning Centre (TLC), Ramanujan College (Under PMMMMTT scheme)

And

I.B. (PG) College, Panipat

- 7. Logos of both the parties will be used in the promotional material.
- 8. Name of both the coordinators and Principal and TLC Assistant Directors will appear.

- 9. Both the parties have agreed that they will extend every form of co-operation to each other.
- 10. The hereby agreement shall initially be conducted for this FDPbetween 7th 14th June 2021however the agreement can be extended to organize more such FDPs/FDPs in future. Both the parties will be responsible for organizing and managing the FDPas per the provisions mentioned above.
- 11. The Brochure Contents as agreed can be as follows:

#### Online Faculty Development Program

On

#### ICT Tools in Higher Education

#### Organised by

Teaching Learning Centre (TLC), Ramanujan College (Under PMMMNMTT scheme)

And

I.B. (PG) College, Panipat

- 12. Coordinator from the First Party shall be Dr. Arpana Pujara whereas Coordinator from Second Party shall be Ms. Nidhi Mathur
- 13. The hereby agreement shall be made in two identical copies. All the versions are equally valid. Each of the parties of the hereby agreement shall receive one copy of the agreement.

We hereby signify our acceptance of the terms and conditions stated above.

Dr. Ajay Kumar Ga

Principal

Principal I.B. (PG) College B. (PG) College, Panipat

Panipat

The Second Party

Prof. S. P. Aggarwal

Principal

Ramanujan College University of Delhi

Kalkaji, New Delhi

प्रोफेसर-प्राचार्य / Professor-Principal रामानुजन कॉलेज/Ramanujan College दिल्ली विश्वविद्यालय/University of Delhi कालकाजी. नई दिल्ली-110019 / Kalkaji. New Delhi-110019

Place: New Delhi

Date: 29th April, 2021

Place: Panipat

worded so nous for 



Tel.: +91-180-2636700, 2638259 E-mail: principalibcollege@gmail.com

Website: ibpgcollegepanipat.ac.in

# I.B. POST GRADUATE COLLEGE

(ESTD. 1956)

G.T. ROAD, PANIPAT-132103 (HARYANA)

(Affiliated to Kurukshetra University, Kurukshetra)

REF. NO. 130 261 2020

DATED 29 5 2020

P.1/-

## MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding is entered on 12/06/2021 between Gen, Sect. Governing Body, I.B. (PG) College, Panipat as the First Party on behalf of I.B. (PG) College, Panipat and Kay Gee Enterprises, G.T. Road, Panipat as the Second Party.

This document constitutes an agreement between I.B. (PG) College, Panipat and Kay Gee Enterprises, G.T. Road, Panipat for mutual collaboration in carrying out various training, industrial, skill enhancement and employment generation activities for the students of I.B. (PG) College, Panipat. Both parties agree to extend full co-ordination and co-operation to achieve the objectives desired by enacting this MoU.

## Objectives of the MoU:

The objectives of this MoU include:

- 1. To willingly engage the deserving and needy students of the college in inculcating industrial knowledge and skills.
- 2. To promote the environmental consciousness among the students by arranging frequent visits to the Government approved recycling unit, being run by the second party.
- 3. To build managerial capacity of few selected students of the UG & PG courses of the college through industry exposure, which will enhance their employability. Both parties agree to design ways and means to complete the task with mutual consent.



Tel.: +91-180-2636700, 2638259 E-mail: principalibcollege@gmail.com

Website: ibpgcollegepanipat.ac.in

# I.B. POST GRADUATE COLLEGE

(ESTD. 1956)

G.T. ROAD, PANIPAT-132103 (HARYANA)

(Affiliated to Kurukshetra University, Kurukshetra)

REF. NO. 130 261 2020

DATED 29 5 2020

P.2/-

A list of specific activities will be decided under mutual consent of both the parties and the students will be invited and selected as per mutual agreements.

## **Proposed Terms and Conditions:**

- a. Deliverables from I.B. (PG) College, Panipat (The FIRST Party)
- 1. To provide a list of beneficiary students, after due screening.
- 2. To provide all the required secretarial assistance and database of the students.
- 3. To provide a consent letter from the guardians, wherever it is desired.
- 4. To manage the issuance of certificates etc. to the students as per requirement in collaboration with the second party.
- 5. To manage any overhead expenses involved in the above listed responsibilities.
- b. Deliverables from Kay Gee Enterprises, Panipat (The SECOND Party):
- 1. To provide the required industrial/managerial training to the selected beneficiaries.
- 2. To provide opportunities of visiting the industrial unit to any group of students as desired by the First Party, with a purpose of technical knowhow.
- 3. To make payments to those students (if any) who are engaged in any of the work in the establishment of the second party. The terms and emoluments will be mutually decided and conveyed.
- 4. To organize some induction/orientation programmes for the benefit of students, like talks from various successful industrialists. The venue for these programmes will be provided by the first party.



Tel.: +91-180-2636700, 2638259 E-mail: principalibcollege@gmail.com

Website: ibpgcollegepanipat.ac.in

## I.B. POST GRADUATE COLLEGE

(ESTD. 1956)

G.T. ROAD, PANIPAT-132103 (HARYANA)

(Affiliated to Kurukshetra University, Kurukshetra)

REF. NO. 184261 2020

DATED 29 \$ 2020

P.3/-

#### General Terms of MoU

- a. Duration of the MoU: The aforesaid MoU shall be functional w.e.f. the latest date of endorsement by both parties, with an initial duration of Three years (for sessions 2020-21; 2021-2022, 2022-23) and may be extended further after review of the outcomes.
- **b.** Co-ordination: Both parties will designate appropriate persons as co-ordinators, for smooth liaison and to carry out the tasks required to fulfill the objectives of this agreement. No financial liability will be due to any of the parties for this appointment.
- c. Confidentiality: No party will be involved in a breach of conduct and business ethics. Both parties agree that there shall be no violation in this regard, at any time, or under any circumstances after enforcement of this MoU. No information related to internal affairs of any party should be disclosed to any third party or to public in general through any means by any of the party.
- d. Termination of MoU: The partnership/agreement covered by this MoU shall terminate on the completion of the agreed period, unless it is agreed to be extended further. If any of the party desires to end the agreement or is unable to perform the tasks to fulfill the objectives, the agreement may be terminated with a 45 days written notice from either side. However, in case of gross or serious violation of model code of ethics/business terms by any party, the other party



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# I.B. POST GRADUATE COLLEGE

(ESTD. 1956)

G.T. ROAD, PANIPAT-132103 (HARYANA)

(Affiliated to Kurukshetra University, Kurukshetra)

REF. NO. 184261/2020

DATED 29 5 2020

P.4/-

may take the liberty to end the agreement with immediate effect. The same has to be intimated in written.

**e. Financial Liabilities:** The second party/service provider will manage all the off campus expenses on the students/interns while they are involved in its industrial unit. No amount will be payable from the first party in this connection. No salary/perks will be admissible from the side of first party. Neither first party will seek any share in the benefits generated through this collaboration.

IN WITNESS WHEREOF, the parties hereto have executed this MoU on

Dr. Ajay Kumar Garg

Principal

Witness:

Management/Society Nominee



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G.T. ROAD, PANIPAT-132103 (HARYANA)

(Affiliated to Kurukshetra University, Kurukshetra)

REF. NO. TBC 374 2020

DATED 28 8 2020

## MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding entered on ......2020-21....... between Governing Body, I.B. (PG) College, Panipat as the First party on the behalf of I.B. (PG) College, Panipat & .......Pidilite Company.......... as second party/service provider/Education Institute.

This document constitutes an agreement between .....I.B. College, Panipat..... and ......Pidilite...... for training /educating/ teaching / enhancing entrepreneurs skills among the students of I.B. (PG) College, Panipat with different courses/activities/program offered by Second party.

## 1. Objective of the MOU:

The objective of this MOU is to express the willingness of both parties to engage
in an effort to teach/educate / enhance knowledge and skills of students of the
(Program/activity name)
The state of the s

Specific activities will be provided under this MOU to the students of our college by ......Pidilite Company instructors ......

(List of the activities /services that will be rendered by the service provider/second party)

- 1. Moulded decorative items
- 2. Madhubani Painting
- 3. Fabric Painting



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(Affiliated to Kurukshetra University, Kurukshetra)

REF. NO. 130/374/2020

DATED 28/8/2020

## 2. General Terms of MOU

- 2.1 Duration of MOU: This MOU shall be functional after signing and will have an initial duration of ......One Year.....
- **2.2 Coordination:** In order to carry out and fulfill the aims of this agreement, each party will appoint an appropriate person(s) to represent its organization and to coordinate the implementation of activities.
- **2.3 Confidentiality:** Each party agrees that it shall not, at any time, after executing the activities of this MOU, disclosed any information in relation to these activities or the affairs of business or method of carrying on the business of the other without consent of both the parties.
- **2.4 Termination of MOU:** The partnership/agreement covered by this MOU shall terminate on the completion of the agreed period. The agreement may also be terminated with a one month written notice from either side. In the event of non-compliance or breach by any one of the parties of the obligations binding upon it. The agreement with immediate effect may be terminated by the other party.
- **2.5 Extension of Agreement:** The MOU may be extended provided the parties agree upon and provide the necessary resources.
- **2.6 Financial Burden:** The second party/service provider will bear all the expenses incurred on the implements of this agreement. No amount will be charged from the first party.

Contd. ....P.3.....



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A. Control	
REF. NO. 204 374 2020	DATED. 28/8/2
	P.3
2.7 Certification of the provided to the studen program/education.	e program: The clarification of the program will be ts by the second party only after completion of the
IN WITNESS WHEREOF,	the parties hereto have executed this MOU on
Name Rishels Malh	atra NameSh. Ashok Nagpal
Signature Riston	Signature
Date:	Date:
(Second Party)	(FIRST Party) Dr. Ajay Kumar Garg
Rishab Malhotra Area Sales Incharge Fevicryl hobby idea workshop Pidilite Industries Limited Witness:	Nominee (Management/Society) Vice-President Govering Body I.B. College, Panipat  1.B. (P.G.) College, Panipat