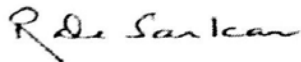# To Whom It May Concern

This is to certify that Indranil Ghosh has completed the project titled ONLINE CANTEEN MANAGEMENT SYSTEM under the guidance of the technical team of Ardent Computech Pvt. Ltd. from 07/Mar/2022 to 06/Jun/2022.

We observed that the work met all the given requirements and we appreciate the sincere learning. The performance and conduct during the training and internship is outstanding. Our best wishes for all the future endeavours.

Thanks and Regards,

R De Sarkar

Digitally Signed on 27 131.212.209-220620040727
Rajmohan De Sarkar
Director - Technology Services
Ardent Computech Pvt. Ltd. (ISO 9001:2015 Company)

Date: 06/Jun/2022

TO WHOMSOEVER IT MAY CONCERN

Certified that this project report **"MEDICINE REMINDER APP(MedToDate)"** is the bonafide work of Sneha Bhattacharya, Suryendu Pan, Tandrima Ganguly, Tiyasa Das, Tiyasha Paul, students of MCA 4th Semester of Heritage Institute of Technology, Kolkata, who carried out the Major Project work under my supervision, Mr. Titas Roy Chowdhury, mentor, Globysn Business School.

Y Roy Chowdhury

Mr.Titas Roy Chowdhury

Mentor
Project Engineer
Globysn Technologies Ltd, Kolkata

CERTIFICATE FROM SUPERVISOR

This is to certify that **Miss. ARUNIMA SIKDAR** has successfully completed the project titled **"E-LEARNING APPLICATION-INFOSLEARN"** under my supervision during the period from **19-02-2022 to 10-06-2022** which is in partial fulfilment of requirements for the award of **Master of Computer Applications** degree and submitted to Computer Applications Department of **"THE HERITAGE INSTITUTE OF TECHNOLOGY, Kolkata"**.

Pallabi Saha

Senior Project Engineer, Ardent Software

Date: 14-06-2022

CERTIFICATE

This is to certify that this proposal of minor project entitled **"AlimentoHomefood Delivery App"** is a record of bonafide work, carried out by **Bhagyashre Maity, Monideepa Dasgupta, Shreya Chamaria, Priyanka Das, Ankita Ray** under my guidance at Globsyn Technologies Pvt.Ltd. In my opinion, the report in its present form is in partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS and as per regulations of the GLOBSYN® . To the best of my knowledge, the results embodied in this report are original in nature and worthy of incorporation in the present version of the report.

Guide / Supervisor

Y Roy Chowdhury

**Mr. Titas Roy Choudhury
Project Engineer**

Futureguard
Edutech Pvt Ltd

INDUSTRIAL TRAINING CERTIFICATE

This certificate is awarded to

Vivek Verma

of
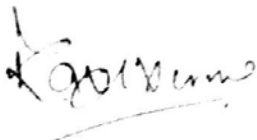
HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA

for completing the Industrial Training on

APPLICATION DEVELOPMENT USING FLUTTER & DART

From **08-02-2022** to **30-06-2022**

and implementing the project titled

BYO - Book Your Own

Director

Certificate 1

Certificate

This is to Certify that

Mr./Mrs./Ms... **Arunava Ghosh**

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ......(trade/s)

Date ... 23.06.2022

Authorised Signatory

Certificate 2

Certificate

This is to Certify that

Mr./Mrs./Ms... **Bipasha Laha**

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ......(trade/s)

Date ... 23.06.2022

Authorised Signatory

Certificate 3

Certificate

This is to Certify that

Mr./Mrs./Ms... **Sourav Mondal**

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ......(trade/s)

Date ... 23.06.2022

Authorised Signatory

globsyn
finishing school

Certificate

This is to Certify that

Mr./Mrs./Ms........................ *Promita Ghosh* ....
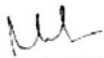
Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ....(trade/s)

Date ...23.06.2022......

Authorised Signatory

---

globsyn
finishing school

Certificate

This is to Certify that

Mr./Mrs./Ms........................ *Sakshi Gupta* ....
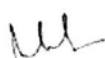
Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ....(trade/s)

Date ...23.06.2022......

Authorised Signatory

Certificate

This is to Certify that

Mr./Mrs./Ms... *Priyanka Sarkar*

Of

Heritage Institute Of Technology

has successfully completed program in

Machine Learning using Python ... *(trade/s)*

Date: 07.07.2022

Authorised Signatory

Certificate id GFS/WB/WS21/43420

Certificate

This is to Certify that

Mr./Mrs./Ms............ **Neha Perween**

Of

Heritage Institute Of Technology

has successfully completed program in

Machine Learning using Python ....(trade/s)

Date 07.07.2022

Authorised Signatory

Certificate Id **GFS/WB/WS21/43384**

Certificate

This is to Certify that

Mr./Mrs./Ms. **Soumita Chakraborty**

Of

Heritage Institute Of Technology

has successfully completed program in

Machine Learning using Python .... (trade/s)

Date ....07.07.2022....

Authorised Signatory

ARDENT
COMPUTECH PVT LTD

"Knowledge is power, Power leads to growth, growth is life"

To Whom It May Concern

This is to certify that Subhadeep Sur, a student of HERITAGE INSTITUTE OF TECHNOLOGY,KOLKATA has successfully completed the Internship Program at Ardent Computech Pvt. Ltd. on FULL STACK WEB DEVELOPMENT USING PYTHON AND DJANGO and implemented the project titled STUDENT STUDY PORTAL from 25/Mar/2022 to 15/Jun/2022.

During the internship period, we found the overall performance and conduct was outstanding in all the projects that was assigned. Subhadeep Sur was punctual and hardworking.

Best wishes from Ardent Computech Pvt Ltd.

Thanks and Regards,

INDRANIL DE SARKAR
Director-HR
ARDENT COMPUTECH PVT LTD
Date: 15/Jun/2022

Ardent
Computech
Pvt. Ltd.
Verified

Microsoft
Technology Associate   AUTODESK   ASD   MSME   ISO

Module No-132, Gr. Floor, SDF Building, Sector-V, Salt Lake, Kolkata- 700091
🌐 **www.ardentcollaborations.com**

ARDENT
COMPUTECH PVT. LTD.

"Knowledge is power, Power leads to growth, growth is life"

To Whom It May Concern

This is to certify that Shankha Tirtha Ghosh, a student of HERITAGE INSTITUTE OF TECHNOLOGY has successfully completed the Internship Program at Ardent Computech Pvt. Ltd. on FULL STACK WEB DEVELOPMENT USING PYTHON AND DJANGO and implemented the project titled from 25/Mar/2022 to 15/Jun/2022.

During the internship period, we found the overall performance and conduct was outstanding in all the projects that was assigned. Shankha Tirtha Ghosh was punctual and hardworking.

Best wishes from Ardent Computech Pvt Ltd.

Thanks and Regards,

INDRANIL DE SARKAR
Director-HR
ARDENT COMPUTECH PVT LTD
Date: 15/Jun/2022

Ardent
Computech
Pvt. Ltd.
Verified

Microsoft
Technology Associate

AUTODESK

ASD

UDYOG AADHAR
MSME

Module No-132, Gr. Floor, SDF Building, Sector-V, Salt Lake, Kolkata- 700091
www.ardentcollaborations.com

"Knowledge is power, Power leads to growth, growth is life"

To Whom It May Concern

This is to certify that Debarpan Bandyopadhyay, a student of HERITAGE INSTITUTE OF TECHNOLOGY has successfully completed the Internship Program at Ardent Computech Pvt. Ltd. on FULL STACK WEB DEVELOPMENT USING PYTHON AND DJANGO and implemented the project titled STUDENT STUDY PORTAL from 25/Mar/2022 to 15/Jun/2022.

During the internship period, we found the overall performance and conduct was outstanding in all the projects that was assigned. Debarpan Bandyopadhyay was punctual and hardworking.

Best wishes from Ardent Computech Pvt Ltd.

Thanks and Regards,

INDRANIL DE SARKAR
Director-HR
ARDENT COMPUTECH PVT LTD
Date: 15/Jun/2022

Ardent
Computech
Pvt. Ltd.
Verified

Microsoft
Technology Associate   AUTODESK   ASD   MSME   ISO

globsyn
finishing school

Certificate Id: GFS/WB/WS22/43389

Certificate

This is to Certify that

Mr./Mrs./Ms... *Bapan Sarkar* ....

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ......*(trade/s)*

Date: 23.06.2022

_____
Authorised Signatory

globsyn
finishing school

Certificate Id: GFS/WB/WS22/43375

Certificate

This is to Certify that

Mr./Mrs./Ms... *Animesh Kundu* ....

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio .... (trade/s)

Date: 23.06.2022

_____
Authorised Signatory

globsyn

Certificate

This is to Certify that
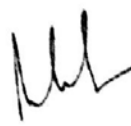
Mr./Mrs./Ms... *Sridip Das*

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio *(trade/s)*

Date: 23.06.2022

_____
Authorised Signatory

To Whom It May Concern

This is to certify that Bijoy Das, a student of HERITAGE INSTITUTE OF TECHNOLOGY has successfully completed the Internship Program at Ardent Computech Pvt. Ltd. on FULL STACK WEB DEVELOPMENT USING MERN STACK and implemented the project titled PIZZASHOP from 03/Mar/2022 to 02/Jul/2022.

During the internship period, we found the overall performance and conduct was outstanding in all the projects that was assigned. Bijoy Das was punctual and hardworking.

Best wishes from Ardent Computech Pvt Ltd.

Thanks and Regards,

INDRANIL DE SARKAR
Director-HR
ARDENT COMPUTECH PVT LTD
Date: 02/Jul/2022

Ardent
Computech
Pvt. Ltd.
Verified

Microsoft
Technology Associate

AUTODESK

MSME

Module No-132, Gr. Floor, SDF Building, Sector-V, Salt Lake, Kolkata- 700091
🌐 **www.ardentcollaborations.com**

4

Cerner

June 21, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Nandini Prasad (NP095722)** ("Intern") has undertaken internship project from our organization **Cerner Healthcare Solutions India Private Limited** ("Company") from **March 07, 2022** under the managerial guidance of **S, Palaniappan, Senior Manager**.

During the internship, Intern has undertaken project "**Flat File Extract for CH_Hospital**" under the mentor guidance of **Taniya Biswas, Software Engineer IV** and the project report is being submitted to **Heritage Institute of Technology** by **Nandini Prasad (12620010023)** in partial fulfillment for awarding degree of **MCA**.

Yours sincerely,
For **Cerner Healthcare Solutions India Private Limited**

Vivek Naik
Senior Manager, HR Service Center

For all future queries contact the HR Service Center with associate ID at https://hrservicecenter.cerner.com or utilize QR code for easy access. Please allow up to 72 business hours for a response.

To utilize the QR code for easy mobile access, please download a QR code reader onto your smart mobile device.

Gradesheet 1

globsyn
finishing school

Gradesheet

Name : Debabra Chakraborty
College : Heritage Institute Of Technology
Technology : Android App Development using Android Studio 4
Project : Online Book Cave
Duration : January 2022 – March 2022
Grade : A+

Course Coordinator
Globsyn Finishing School

Place : Kolkata
Date : July 11, 2022

Marks (%)	Grade	Points	Remarks
>64	A+	8	Outstanding
80-84	A	7	Excellent
70-79	B+	6	Very Good
60-69	B	5	Good
54-59	C+	4	Satisfactory
47-53	C	3	Fair
40-46	D	2	Pass
<40	F	0	Fail

globsyn knowledge foundation

D. H. Road, Mouza Chandi, PS - Bishnapur, J.L. No. – 101, District -24 Parganas (South), Kolkata - 743503, India.

Gradesheet 2

globsyn
finishing school

Gradesheet

Name : Dhanbit Sha
College : Heritage Institute Of Technology
Technology : Android App Development using Android Studio 4
Project : Online Book Cave
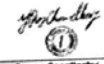Duration : January 2022 – March 2022
Grade : A+

Course Coordinator
Globsyn Finishing School

Place : Kolkata
Date : July 11, 2022

Marks (%)	Grade	Points	Remarks
>84	A+	8	Outstanding
80-84	A	7	Excellent
70-79	B+	6	Very Good
60-69	B	5	Good
54-59	C+	4	Satisfactory
47-53	C	3	Fair
40-46	D	2	Pass
<40	F	0	Fail

globsyn knowledge foundation

D. H. Road, Mouza Chandi, PS - Bishnapur J.L. No. - 101, District -24 Parganas (South), Kolkata - 743503, India.

Gradesheet 3

globsyn
finishing school

Gradesheet

Name : Indrani Ghosh
College : Heritage Institute Of Technology
Technology : Android App Development using Android Studio 4
Project : Online Book Cave
Duration : January 2022 – March 2022
Grade : A+

Course Coordinator
Globsyn Finishing School

Place : Kolkata
Date : July 11, 2022

Marks (%)	Grade	Points	Remarks
>84	A+	8	Outstanding
80-84	A	7	Excellent
70-79	B+	6	Very Good
60-69	B	5	Good
54-59	C+	4	Satisfactory
47-53	C	3	Fair
40-46	D	2	Pass
<40	F	0	Fail

Gradesheet 4

globsyn
finishing school

Gradesheet

Name : Sourab Saha
College : Heritage Institute Of Technology
Technology : Android App Development using Android Studio 4
Project : Online Book Cave
Duration : January 2022 – March 2022
Grade : A+

Course Coordinator
Globsyn Finishing School

Place : Kolkata
Date : July 11, 2022

Marks (%)	Grade	Points	Remarks
>84	A+	8	Outstanding
80-84	A	7	Excellent
70-79	B+	6	Very Good
60-69	B	5	Good
54-59	C+	4	Satisfactory
47-53	C	3	Fair
40-46	D	2	Pass
<40	F	0	Fail

globsyn knowledge foundation

D. H. Road, Mouza Chandi, PS - Bishnapur, J.L. No. - 101, District -24 Parganas (South), Kolkata - 743503, India.

Gradesheet 5

globsyn
finishing school

Gradesheet

Name : Tina Majumder
College : Heritage Institute Of Technology
Technology : Android App Development using Android Studio 4
Project : Online Book Cave
Duration : January 2022 – March 2022
Grade : A+

Course Coordinator
Globsyn Finishing School

Place : Kolkata
Date : July 11, 2022

Marks (%)	Grade	Points	Remarks
>84	A+	8	Outstanding
80-84	A	7	Excellent
70-79	B+	6	Very Good
60-69	B	5	Good
54-59	C+	4	Satisfactory
47-53	C	3	Fair
40-46	D	2	Pass
<45	F	0	Fail

globsyn knowledge foundation

D. H. Road, Mouza Chandi, PS - Bishnapur, J.L. No. – 101, District -24 Parganas (South), Kolkata - 743503, India.

Phone: +91 (33) 6600 3000 URI: www.globsyn.edu.in Email: gfs@globsyn.com

July 4, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Siman Parveen (SP095723)** ("Intern") has undertaken internship project from our organization **Cerner Healthcare Solutions India Private Limited** ("Company") from March 7, 2022 under the managerial guidance of **S. Palaniappan, Senior Manager, Software Engineering**.

During the internship, Intern has undertaken project "**Out of Balance Analysis Tool**" under the mentor guidance of **Sabyasachi Das, Manager, Software Engineering** and the project report is being submitted to **Heritage Institute of Technology, Kolkata** by **Siman Parveen (12620010042)** in partial fulfillment for awarding degree of **Master of Computer Applications**.

Yours sincerely,
For **Cerner Healthcare Solutions India Private Limited**

Vivek Naik
Senior Manager, HR Service Center

For all future queries contact the HR Service Center with associate ID at https://hrservicecenter.cerner.com or utilize QR code for easy access. Please allow up to 72 business hours for a response.

To utilize the QR code for easy mobile access, please download a QR code reader onto your smart mobile device.

June 27, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ujjwal Gorai (UG095724)** ("Intern") has undertaken internship project from our organization **Cerner Healthcare Solutions India Private Limited** ("Company") from **March 07, 2022** under the managerial guidance of **S, Palaniappan, Senior Manager, Software Engineering**.

During the internship, Intern has undertaken project "**Workstation Error Categorization Tool**" under the mentor guidance of **Rahul Kar, Manager, Software Engineering** and the project report is being submitted to **Heritage Institute of Technology** by Ujjwal Gorai (**12620010057**) in partial fulfillment for awarding degree of **MCA**.

Yours sincerely,
For **Cerner Healthcare Solutions India Private Limited**

Vivek Naik
Senior Manager, HR Service Center

For all future queries contact the HR Service Center with associate ID at https://hrservicecenter.cerner.com or utilize QR code for easy access. Please allow up to 72 business hours for a response.

To utilize the QR code for easy mobile access, please download a QR code reader onto your smart mobile device.

TO WHOMSOEVER IT MAY CONCERN

Certified that this project report **"Online Voting System"** is the bonafide work of Nayan Biswas, Arpita Ghosh, Ayan Hossain, Souptik Dutta, Madhushree Mondal students of MCA 4th Semester of Heritage Institute of Technology, Kolkata, who carried out the Major Project work under my supervision, Mr. Lakhan Mahato, mentor, Ardent Computech Pvt. Ltd.

Lakhan Mahato

Mr. Lakhan Mahato
Mentor
Ardent Computech Pvt. Ltd

Certificate

This is to Certify that

Kumar Anurag

Mr./Mrs./Ms.

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ....(trade's)

Date ....

Authorised Signatory

Certificate

This is to Certify that

Rahul Gour

Mr./Mrs./Ms...

Of

Heritage Institute Of Technology

has successfully completed program in

Android App Development using Android Studio ......(trade/s)

Date 23.06.2022

Authorised Signatory

Industrial Internship Certificate

This certificate is awarded to

AVIPRIYA PAL

of

HERITAGE INSTITUTE OF TECHNOLOGY

for successfully completing the **Industrial Internship** on

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

from

14.03.2022 to 13.07.2022

and implementing the project titled

ONLINE GROCERY SHOP

Certificate ID: ARDENT/2022/AD4196
Issue Date: 13.07.2022

Director Technology Services

Director Operations

Industrial Internship Certificate

This certificate is awarded to

ROHIT BARUA

of

HERITAGE INSTITUTE OF TECHNOLOGY

for successfully completing the **Industrial Internship** on

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

from

14.03.2022 to 13.07.2022

and implementing the project titled

ONLINE GROCERY SHOP

Certificate ID: ARDENT/2022/AD4199
Issue Date: 13.07.2022

Director Technology Services

Director Operations

Industrial Internship Certificate

This certificate is awarded to

SHREYA DUTTA

of

HERITAGE INSTITUTE OF TECHNOLOGY

for successfully completing the **Industrial Internship** on

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

from

14.03.2022 to 13.07.2022

and implementing the project titled

ONLINE GROCERY SHOP

Certificate ID: ARDENT/2022/AD4195
Issue Date: 13.07.2022

Director Technology Services

Director Operations

Industrial Internship Certificate

This certificate is awarded to

RITAM NAYEK

of

HERITAGE INSTITUTE OF TECHNOLOGY

for successfully completing the **Industrial Internship** on

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

from

14.03.2022 to 13.07.2022

and implementing the project titled

ONLINE GROCERY SHOP

Certificate ID: ARDENT/2022/AD4198
Issue Date: 13.07.2022

Director Technology Services

Director Operations

Industrial Internship Certificate

This certificate is awarded to

RIYA SAMANTA

of

HERITAGE INSTITUTE OF TECHNOLOGY

for successfully completing the **Industrial Internship** on

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

from

14.03.2022 to 13.07.2022

and implementing the project titled

ONLINE GROCERY SHOP

Certificate ID: ARDENT/2022/AD4197
Issue Date: 13.07.2022

Director Technology Services

Director Operations

ARDENT®

"Drives You to Industry"

"Knowledge is power, power leads to growth, growth is life"

Date: 13.07.2022

INTERNSHIP AND PROJECT LETTER

This is to certify that

SOUMILI SAU

has completed the project titled

TOUR AND TRAVEL SYSTEM

using

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

to fulfill the requirement of

INDUSTRIAL TRAINING AND INTERNSHIP

under the guidance of the technical team of

ARDENT COMPUTECH PVT. LTD.

We observed that the work carried out is satisfactory and deserves appreciation.

Director
Technology Services

Ardent
Computech
Pvt. Ltd.
Verified

Director
Operations

ARDENT®

"Drives You to Industry"

Date:13.07.2022

INTERNSHIP AND PROJECT LETTER

This is to certify that

SOUMYAJYOTI MIDDYA

has completed the project titled

TOUR AND TRAVEL SYSTEM

using

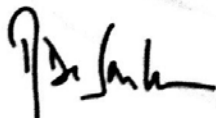FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

to fulfill the requirement of

INDUSTRIAL TRAINING AND INTERNSHIP

under the guidance of the technical team of

ARDENT COMPUTECH PVT. LTD.

We observed that the work carried out is satisfactory and deserves appreciation.

Director
Technology Services

Ardent
Computech
Pvt. Ltd.
Verified

Director
Operations

ARDENT®

"Drives You to Industry"

"Knowledge is power, power leads to growth, growth is life"

Date: 13.07.2022

INTERNSHIP AND PROJECT LETTER

This is to certify that

SAURABH SHUKLA

has completed the project titled

TOUR AND TRAVEL SYSTEM
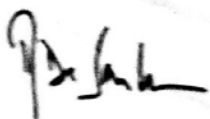
using

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

to fulfill the requirement of

INDUSTRIAL TRAINING AND INTERNSHIP

under the guidance of the technical team of

ARDENT COMPUTECH PVT. LTD.

We observed that the work carried out is satisfactory and deserves appreciation.

Ardent
Computech
Pvt. Ltd.
Verified

Director
Technology Services

Director
Operations

ARDENT®

"Drives You to Industry"

"Knowledge is power, power leads to growth, growth is life."

Date: 13.07.2022

INTERNSHIP AND PROJECT LETTER

This is to certify that

SATISH KUMAR

has completed the project titled

TOUR & TRAVEL SYSTEM

using

FULL STACK WEB DEVELOPMENT USING PHP AND MYSQL

to fulfill the requirement of

INDUSTRIAL TRAINING AND INTERNSHIP

under the guidance of the technical team of

ARDENT COMPUTECH PVT. LTD.

We observed that the work carried out is satisfactory and deserves appreciation.

Director
Technology Services

Ardent
Computech
Pvt. Ltd.
Verified

Director
Operations

Internship Certificate of Monosij Chakraborty

Exposys
Data Labs

Certificate of Internship

TO WHOM IT MAY CONCERN

This is to certify that **Mr. MONOSIJ CHAKRABORTY** has completed internship programme on **"Web Developer"** from 26.02.2022 to 25.03.2022.

He took keen interest in the work assigned and successfully completed it. During the period of internship we found him to be punctual, hardworking and inquisitive.

We wish him luck and success in all his future endeavours.
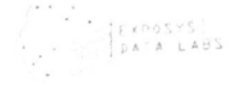
Y Vishnuvardhan

Chief Director

hr@exposysdata.com
www.exposysdata.com

Exposys
Data Labs

Certificate of Internship

TO WHOM IT MAY CONCERN

This is to certify that **Mr. ANITRA GUIN** has completed internship programme on **"Web Developer"** from 26.02.2022 to 25.03.2022.

He took keen interest in the work assigned and successfully completed it. During the period of internship we found him to be punctual, hardworking and inquisitive.
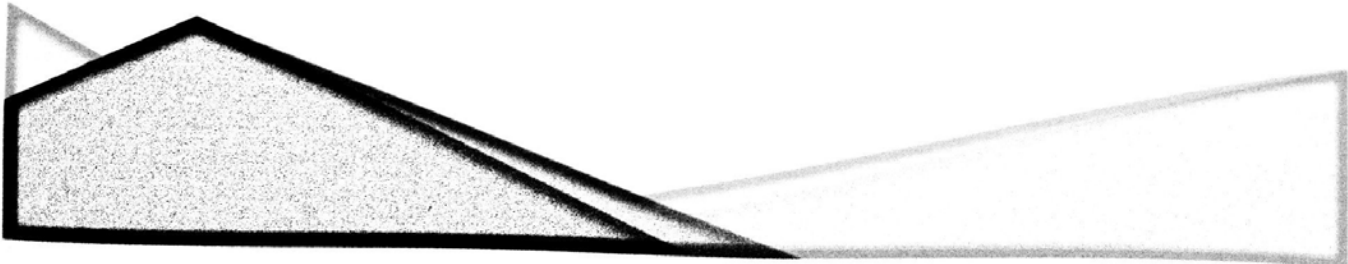
We wish him luck and success in all his future endeavours.

Y Vishnuvardhan

Chief Director

hr@exposysdata.com
www.exposysdata.com

globsyn

finishing school

Certificate

This is to Certify that

Mr./Mrs./Ms... *Chandrima Panja*

Of

Heritage Institute Of Technology

has successfully completed program in

Machine Learning using Python

.... *(trade/s)*

Date .. 07.07.2022 ......

Authorised Signatory