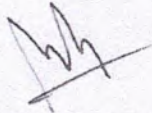


Hindustan College of Science & Technology, Farah, Mathura
Department of Biotechnology

Date: 25.08.2022

Notice

All the students of Department of Biotechnology are hereby informed that the registration for value added course "**Biofertilizer production Technology (VBT2206)**" will be started from 27th August 2022 and the last date for registration is 02nd September 2022. **The regular classes for value added course will be started from 03rd September 2022.** All of you are advised to register yourself timely.


HOD, Biotechnology
Head
Dept. of Bio Technology
Hindustan College of Science & Technology
Farah, Mathura


Director
Hindustan College of
Science & Technology
FARAH (MATHURA)



**HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,
FARAH -MATHURA**

DEPARTMENT OF BIOTECHNOLOGY



Value Added Course
VBT2205 – Biofertilizer Production Technology

03 Sept, 2022 – 17 Dec, 2022 - Every Saturday: 09:40 AM – 12:10 PM



By

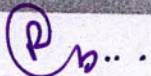
Dr. Arun Prasad Chopra

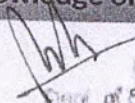
Associate Professor, Department of Biotechnology

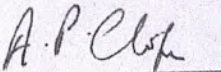
Research Interest: Identification of novel genes for crop improvement, Mushroom cultivation technology, Improvement of natural farming technology

Registration Dates
27 Aug 2022 – 02 Sept 2022
For Registration: Please contact
Mr. Raj Kumar, office Assistant
Department of Biotechnology

Prerequisites: Assumes familiarity with basic knowledge of biology.


Director
**Hindustan College of
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FARAH (MATHURA)


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Farah, Mathura





HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, FARAH -MATHURA

DEPARTMENT OF BIOTECHNOLOGY



Value Added Course **VBT2206 – Biofertilizer Production Technology**

03 Sept, 2022 – 17 Dec, 2022 - Every Saturday: 09:40 AM – 12:10 PM

Course Objectives

The main objective of this value added course are as follows:

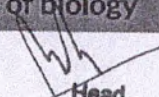
1. To provide students the importance of use of microorganisms as a source of sustainable source of biofertilizers.
2. To make students understand importance of Nitrogen cycle in nature and biology behind nitrogen fixation
3. Identify bacterial, alga and fungal organisms
4. Assess quality control of biofertilizers

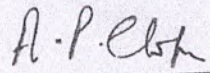
Course Syllabus

Units	Details	Course Out comes
1	Introduction and history of Biofertilizer production	CO1
2	Tools and Techniques required for Biofertilizer production, Production Preparation of media	CO2
3	Biology of nitrogen Fixation and nitrogen cycle, Nitrogen fixing microorganisms, Nitrogen fixing Microorganisms	CO3
4	Rhizosphere Colonization and competence, Selection, Isolation and Characterization of Plant Growth Promoting Rhizosphere (PGRP) organisms	CO4
5	Qualitative and quantitative estimation of Phosphate from Phosphate solubilizing bacteria, Qualitative and quantitative estimation of Phosphate, Commercialization of biofertilizers	CO5

Prerequisites: Assumes familiarity with basic knowledge of biology


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Hindustan College of
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FARAH (MATHURA)


Head
Dept. of Bio Technology
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Farah, Mathura


A.P. Chak



**HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,
FARAH -MATHURA**



DEPARTMENT OF BIOTECHNOLOGY

Value Added Course
VBT2205 – Biofertilizer Production Technology

03 Sept, 2022 – 17 Dec, 2022 - Every Saturday: 9:40 AM – 12:10 PM

Course Outcomes

- CO1** Identification of different sources of biofertilizers
- CO2** Acquire knowledge of usage of microorganisms as an alternate to chemical fertilizer
- CO3** Benefits of using biofertilizers for sustainable agricultural practice
- CO4** For integrated soil management for nitrogen and phosphorus fertilizer
- CO5** Biofertilizer Production Technology as entrepreneurship skill

CO-PO Mappings

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3												2
CO2	2	3												2
CO3	2			3						2	2	2	2	
CO4			2	3						2	2	2		3
CO5			2	3										3
Average	2	3	2	3						2	2	2	2	3

Evaluation Criteria: Evaluation of Practical assignments, Group project, Viva/Quiz

Prerequisites: Assumes familiarity with basic knowledge of biology

P. N. S.
Director
Hindustan College of
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FARAH (MATHURA)

[Signature]
Head
Dept. of Bio Technology
Hindustan College of Science & Technology
Farah, Mathura

A. P. Chak



HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, FARAH -MATHURA
DEPARTMENT OF BIOTECHNOLOGY

Value Added Course
VBT2205 – Biofertilizer Production Technology



Program Schedule

03 Sept, 2022 – 17 Dec, 2022 - Every Saturday: 9:40 AM – 12:10 PM

Session	Date	Time	No of Lectures	Session Topic	Resource Person
1	03-09-2022	09:40 AM – 12:10 PM	3	Introduction and history of Biofertilizer production	Dr. Arun P. Chopra
2	10-09-2022	09:40 AM – 12:10 PM	3	Tools and Techniques required for Biofertilizer production	Dr. Arun P. Chopra
3	17-09-2022	09:40 AM – 12:10 PM	3	Selection of Microbial culture	Dr. Arun P. Chopra
4	24-09-2022	09:40 AM – 12:10 PM	3	Preparation of Production media	Dr. Arun P. Chopra
5	01-10-2022	09:40 AM – 12:10 PM	3	Inoculum Preparation	Dr. Arun P. Chopra
6	08-10-2022	09:40 AM – 12:10 PM	3	Biology of nitrogen Fixation and nitrogen cycle	Dr. Arun P. Chopra
7	15-10-2022	09:40 AM – 12:10 PM	3	Nitrogen fixing Microorganisms	Dr. Arun P. Chopra
8	22-10-2022	09:40 AM – 12:10 PM	3	Rhizosphere Colonization and competence	Dr. Arun P. Chopra
9	05-11-2022	09:40 AM – 12:10 PM	3	Characterization of PGPR	Dr. Arun P. Chopra
10	12-11-2022	09:40 AM – 12:10 PM	3	Selection and Isolation of PGPR	Dr. Arun P. Chopra
11	19-11-2022	09:40 AM – 12:10 PM	3	Phosphate solubilizing bacteria	Dr. Arun P. Chopra
12	26-11-2022	09:40 AM – 12:10 PM	3	Qualitative and quantitative estimation of Phosphate	Dr. Arun P. Chopra
13	10-12-2022	10:30 AM - 01:00 PM	3	Packaging and labelling of biofertilizers	Dr. Arun P. Chopra
14	17-12-2022	10:30 AM - 01:00 PM	3	Commercialization of biofertilizers	Dr. Arun P. Chopra
Total Number of Hours covered			42 (35 Hrs)		

Prerequisites: Assumes familiarity with basic knowledge of biology

Director

Hindustan College of
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FARAH (MATHURA)

Head
Dept. of Bio Technology
Hindustan College of Science & Technology
Farah Mathura

Dr. Arun P. Chopra

DEPARTMENT OF BIOTECHNOLOGY ENGINEERING, HCST, MATHURA

CLASS TIME TABLE

wef: 22/08/22

SESSION: 2022-23		CLASS TIME TABLE									
YEAR/SEM: 2nd Yr/ III Sem		Room No. : 303				Class Teacher & Counsellor :				Dr. Ajay Kumar Sharma	
Time / Day	I 09:40 - 10:30	II 10:30 - 11:20	III 11:20 - 12:10	IV 12:10 - 01:00	V 01:00 - 01:30	VI 01:30 - 02:20	VII 02:20 - 03:10	VIII 03:10 - 04:00	IX 4:00 - 4:50		
MONDAY	BC (KBT 303) APC	BC Lab. APC				LUNCH BREAK	TBT (KBT 301)	TC (KAS 301)	CSS (KNC 301)	ESE (KOE 033)	
TUESDAY	CSS (KNC 301) DS	PDP PDP Trainers		MI (KBT 302) AKS	SS		KD	DS	RKT		
WEDNESDAY	MI (KBT 302) AKS	TBT (KBT 301) SS	BC (KBT 303) APC	ESE (KOE 033) RKT	TBT-T (KBT 301)		TBT Lab (KBT 351)				
THURSDAY	BC (KBT 303) APC	ESE (KOE 033) RKT	TC (KAS 301) KD	TBT (KBT 301) SS	PDP PDP Trainers		MI (KBT 302) AKS	TC (KAS 301) T KD			
FRIDAY	ESE (KOE 033) RKT	TC (KAS 301) KD	MI (KBT 302) AKS	MI-T (KBT 302) AKS	BC (KBT 303) APC		MI Lab. AKS				
SATURDAY	VALUE ADDED COURSE : <i>Biofertilizer Production Technology</i> APC				Value Added Course-"Fundamental Concepts and Advances in Nanotechnology" (VAS-2201)						

Subject S.No.	Subject code	Name of Subject	Abbr. Used	Name of the Faculty Member	Faculty code	Faculty mob. No
1	KOE 033	Energy Sciences & Engineering	ESE	Dr. R.K.Tiwari	RKT	9568006051
2	KAS 301	Technical Communication	TC	Dr. Keshav Dev	KD	9412558688
3	KBT 301	Techniques in Biotechnology	TBT	Ms. Shivi Sharma	SS	9410224170
4	KBT 302	Microbiology & Immunology	MI	Dr. Ajay Kumar Sharma	AKS	9412104179
5	KBT303	Biochemistry	BC	Dr. Arun Prasad Chopra	APC	9568006057
6	KNC 301	Computer System Security	CSS	Mr. Diwakar Shrivastav	DS	8949835892
7		Personality Development Program	PDP			
8	KBT 351	Techniques in Biotechnology lab	TBT-lab	Ms. Shivi Sharma	SS	9410224170
9	KBT 352	Microbiology & Immunology Lab	MI-lab	Dr. Ajay Kumar Sharma	AKS	9412104179
10	KBT353	Biochemistry Lab	BC Lab	Dr. Arun Prasad Chopra	APC	9568006057
11	KBT 354	Mini Project or Internship Assessment	MP/I	Dr. Ajay Kumar Sharma	AKS	9412104179
12	VBT-2206	Value Added Course- <i>Biofertilizer Production Technology</i>	SKILL DEVELOPMENT	Dr. Arun Prasad Chopra	APC	9568006057
13	VAS-2201	Value Added Course-"Fundamental Concepts and Advances in Nanotechnology"	SKILL DEVELOPMENT	Dr. M. S. Gaur / <i>DR. VINOD KUSHWAH</i>	MSG / VK	7060888544
TIME TABLE INCHARGE		Ms. Shivi Sharma, Mob. 9410224170, E-mail shivi.sharma.hcst@sgei.org			H.O.D.	Dr. Ajay Kumar Sharma, Mob. 9412104179

Head
Dept. of Bio Technology
Hindustan College of Science & Technology
Farah, Mathura

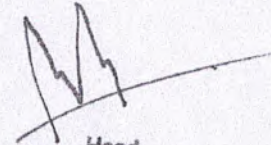
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Hindustan College of
Science & Technology
FARAH (MATHURA)


DEPARTMENT OF BIOTECHNOLOGY ENGINEERING, ICST, MATHURA
CLASS TIME TABLE

SESSION:2022-23		YEAR/SEM: 3rd Yr/ V Sem		Room No. : 304		Date: 20/08/22	
Time / Day	I	II	III	IV	V	Class Teacher & Counsellor :	
	09:40 - 10:30	10:30 - 11:20	11:20 - 12:10	12:10 - 01:00	01:00 - 01:30	VI 01:30 - 02:20	VII 02:20 - 03:10
MONDAY	FBT (KBT 502)	BI-I (KBT 503)	COI (KNC 501)	BAT (KBT 055)	LUNCH BREAK	Ms. Shivi Sharma	
	VK	SS	SSH	VK		PDP	
TUESDAY	PCB (KBT 051)	BI-I (KBT 503)	COI (KNC 501)	BAT (KBT 055)		Mini Project /Internship	
	AKS	SS	SSH	VK		PDP Trainers	
WEDNESDAY	GE (KBT501)	PDP		BI-I (KBT 503)		APC	
	APC	PDP Trainers		SS		FBT (KBT 502)	PCB (KBT 051)
THURSDAY	FBT (KBT 502)	GE (KBT501)	BAT (KBT 055)	GE (KBT501)		VK	BAT (KBT 055)
	VK	APC	VK	APC		AKS	PCB (KBT 051)
FRIDAY	PCB (KBT 051)	FBT (KBT 502)	COI (KNC 501)	BI-I (KBT 503)		GE (KBT 501)	GE Lab. (KBT551)
	AKS	VK	SSH	SS		APC	APC
SATURDAY	VALUE ADDED COURSE: Biofertilizer Production Technology APC					BI-I (KBT 503) T	BI-I LAB (KBT 553)
						SS	SS
						FBT (KBT 502) T	FBT Lab. (KBT 552)
						VK	VK
Subject S.No.	Subject code	Name of Subject	Abrv. Used	Name of the Faculty Member	Faculty code	Faculty mob. No	
1	KBT501	Genetic Engineering	GE	Dr. Arun Prasad Chopra	APC	9568006057	
2	KBT502	Fermentation Biotechnology	FBT	Mr. Vipin Kumar	VK	9454712850	
3	KBT503	Bioinformatics-I	BI-I	Ms. Shivi Sharma	SS	9410224170	
4	KBT051	Pharmaceutical Biotechnology	PCB	Dr. Ajay Kumar Sharma	AKS	9412104179	
5	KBT055	Biofuels & Alcohol Technology	BAT	Mr. Vipin Kumar	VK	9454712850	
6	KNC501	Constitution of India	COI	Mr. Shashi Shekhar	SSH	8439004265	
7		Personality Development Program	PDP	PDP Trainers (9219666480)			
8		Mini Project or Internship	MP/I				
9	KBT 551	Genetic Engineering Lab	GE Lab	Dr. Arun Prasad Chopra	APC	9568006057	
10	KBT552	Fermentation Biotechnology Lab	FBT Lab	Mr. Vipin Kumar	VK	9454712850	
11	KBT553	Bioinformatics-I Lab	BI-I Lab	Ms. Shivi Sharma	SS	9410224170	
12	VBT-2206	Value Added Course-	SKILL	Dr. Arun Prasad Chopra	APC	9568006057	
			DEVELOPMENT				
TIME TABLE INCHARGE		Ms. Shivi Sharma, Mob. 9410224170, shivi.sharma.hcst@sgei.org					
					H.O.D.	Dr. Ajay Kumar Sharma, Mob. 9412104179	


 Director
 Hindustan College of
 Science & Technology
 FARAH (MATHURA)

Department of Biotechnology Engineering, HCST, Mathura										
CLASS TIME TABLE (TENTATIVE)					wef: 22/8/22					
SESSION:2022-23		ROOM.NO : 403					Class Teacher & Counsellor		Mr. Vipin Kumar	
YEAR/SEM-SEC:4th/VII										
Time / Day	I	II	III	IV	V	VI	VII	VIII	IX	
	09:40 - 10:30	10:30 - 11:20	11:20 - 12:10	12:10 - 01:00	01:00 - 01:30	01:30 - 02:20	02:20 - 03:10	03:10 - 04:00	4:00-4:50	
MONDAY	PME (KHU 702) KG	EBT (KBT 073) VK	VHS YS	IPR (KBT 075) SS	LUNCH BREAK		EBT LAB (KBT751C)VK		LIBRARY	
TUESDAY	VHS YS	EBT (KBT 073) VK	PME (KHU 702) KG	IPR (KBT 075) SS			PROJECT (KBT 753) APC		LIBRARY	
WEDNESDAY	VHS YS	PDP PDP Trainers		PROJECT (KBT 753) APC			Mini Project/Internship VK		LIBRARY	
THURSDAY	VHS YS	IPR (KBT 075) SS	PME (KHU 702) KG	EBT (KBT 073) VK			PROJECT (KBT 753) APC		LIBRARY	
FRIDAY	PME (KHU 702) KG	IPR (KBT 075) SS	EBT (KBT 073) VK	PROJECT (KBT 753) APC			PDP PDP Trainers		LIBRARY	
SATURDAY	VALUE ADDED COURSE-"Biofertilizer Production Technology"								LIBRARY	
Theory										
S. No.	Sub Code	Subject Name		Abrv. Used		Faculty Name + Mob. No.		Faculty Code		
1	KHU 702	HSMC -2 (Project Management & Enterprenuership)		PME		Mr. Kapil Gupta (9997010165)		KG		
2	KBT 075	Biosafety, Bioethics, IPR & Patents		IPR		Ms. Shivi Sharma (9410224170)		SS		
4	KBT 073	Environmental Biotechnology		EBT		Mr. Vipin Kumar (9454712850)		VK		
5	KBT 752	Mini Project/ Internship		MP/I		Mr. Vipin Kumar (9454712850)		VK		
6	KOE 076	Open Elective-II (Vision for humane society)		VHS		Dr. Yudhisthir Singh (9219710010)		YS		
7	KBT 751C	Environmental Biotechnology Lab.		EBT Lab		Mr. Vipin Kumar (9454712850)		VK		
8	KBT 753	Project		Project	Dr. Arun Prasad Chopra (9568006057)		APC			
9		Personality Development Programme		PDP	PDP Trainers (9219666480)		APC			
TIME TABLE INCHARGE		Ms. Shivi Sharma, Mob. 9410224170, shivi.sharma.hcst@sci.org			VBT-2206	Dr. Arun Prasad Chopra (9568006057)		APC		
						H.O.D.		Dr. Ajay Kumar Sharma, Mob. 9412104179		


 Head
 Dept. of Bio Technology
 Hindustan College of Science & Technology
 Farah, Mathura


 Director
 Hindustan College of
 Science & Technology
 FARAH (MATHURA)

Hindustan College of Science & Technology

Department of Biotechnology Engineering

Value Added Course - Attendance Sheet

Course Name: Biofertilizer Production Technology Course Code: VBT2205

Session 2022-23 (Year-2022)

Session wise Attendance Sheet

S. No.	Roll No.	Name	SEM	SIGN
1	2100640540003	Aditi Garg	III	Aditi
2	2100640540004	Anisha Agarwal	III	Anisha
3	2100640540005	Anushka Pathak	III	Anushka.
4	2100640540006	Ashi Jain	III	Ashi
5	2100640540008	Gungun Verma	III	Gungun
6	2100640540010	Kajal Sharma	III	Kajal
7	2100640540011	Kiran Rawat	III	Kiran
8	2100640540012	Krishika Gautam	III	Krishika
9	2100640540014	Mahima Bhandari	III	Mahima
10	2100640540018	Shaurya Jain	III	Shaurya
11	2100640540021	Tanisha Singh	III	Tanisha
12	2000640540001	Anisha Kumari	V	Anisha
13	2000640540003	Astha Baghel	V	Astha
14	2000640540004	Dishita Singh	V	Dishita
15	2000640540005	Khushi Sajjan	V	Khushi
16	2000640540006	Raj Chaudhary	V	Raj Chaudhary
17	2000640540007	Rajat Singh	V	Rajat Singh
18	2000640540008	Richa Shivhare	V	Richa
19	2000640540009	Sanjana Agarwal	V	Sanjana
20	2000640540010	Sujal Singh	V	Sujal
21	2100640548001	Shailendra Pratap Singh	V	Shailendra

AP Chak

Head
Dept. of Bio Technology
Hindustan College of Science & Technology
Farah, Mathura

P. B. S.

Director
Hindustan College of
Science & Technology
FARAH (MATHURA)

Hindustan College of Science & Technology

Department of Biotechnology Engineering

Value Added Course - Attendance sheet

Course Name: Biofertilizer Production Technology : Code: VBT2206

Session 2022-23 (Year 2022)

Registration Sheet

S. No.	Roll No.	Name	SEM	Sign
22	1900640540001	Ankit Baghel	VII	Ankit Baghel
23	1900640540002	Anshika Gupta	VII	Anshika Gupta
24	1900640540003	Ashutosh Upadhyay	VII	Ashutosh
25	1900640540004	Ayush Sharma	VII	Ayush
26	1900640540006	Ragini Singh	VII	RS
27	1900640540007	Ritu Singh	VII	Ritu Singh
28	1900640540008	Shivendra Gupta	VII	Ritu Singh
29	1900640540009	Shobhita Sisodiya	VII	Shobhita

APELSTM

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Dept. of Bio Technology
Hindustan College of Science & Technology
Farah, Mathura

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Director
Hindustan College of
Science & Technology
FARAH (MATHURA)

Hindustan College of Science & Technology, Mathura

Department of Biotechnology Engineering

Value Added Course - Attendance Sheet

Course Name: Biofertilizer Production Technology

Course Code: VBT2206

Session 2022-23 (Year-2022)

Session wise Attendance Sheet

S. No.	Roll No.	Name	SEM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	SIGN
				3-Sep	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct	22-Oct	5-Nov	12-Nov	19-Nov	26-Nov	10-Dec	17-Dec	
1	2100640540003	Aditi Garg	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Aditi
2	2100640540004	Anisha Agarwal	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Anushka
3	2100640540005	Anushka Pathak	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Anushka
4	2100640540006	Ashi Jain	III	P	P	P	P	P	P	P	P	P	(A)	P	(A)	P	P	Ashi
5	2100640540008	Gungun Verma	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Gungun
6	2100640540010	Kajal Sharma	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Kajal
7	2100640540011	Kiran Rawat	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Kiran
8	2100640540012	Krishika Gautam	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Krishika
9	2100640540014	Mahima Bhandari	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Mahima
10	2100640540018	Shaurya Jain	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Shaurya
11	2100640540021	Tanisha Singh	III	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Tanisha
12	2000640540001	Anisha Kumari	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Anusha
13	2000640540003	Astha Baghel	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Astha
14	2000640540004	Dishita Singh	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Dishita
15	2000640540005	Khushi Sajjan	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Khushi
16	2000640540006	Raj Chaudhary	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Raj Chaudhary
17	2000640540007	Rajat Singh	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Rajat Singh
18	2000640540008	Richa Shivhare	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Richa
19	2000640540009	Sanjana Agarwal	V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Sanjana
20	2000640540010	Sujal Singh	V	P	(A)	P	(A)	P	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	Sujal
21	2100640548001	Shailendra Pratap Singh	V	P	(A)	P	P	(A)	P	P	(A)	P	P	(A)	P	(A)	(A)	Shm

(Signature)

Director
Hindustan College of
Science & Technology
FARAH (MATHURA)

(Signature)

Head
Dept. of Bio Technology
Hindustan College of Science & Technology
Farah, Mathura

Hindustan College of Science & Technology																		
Department of Biotechnology Engineering																		
Value Added Course - Attendance sheet																		
Course Name: Biofertilizer Production Technology Code: VBT2206																		
Session 2022-23 (Year 2022)																		
Session wise Attendance Sheet																		
S. No.	Roll No.	Name	SEM	Signature of the Students														Sign
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	
				3-Sep	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct	22-Oct	5-Nov	12-Nov	19-Nov	26-Nov	10-Dec	17-Dec	
22	1900640540001	Ankit Baghel	VII	P	P	P	P	P	P	(A)	P	P	P	P	P	P	P	Ankit Baghel
23	1900640540002	Anshika Gupta	VII	P	P	P	P	P	P	P	P	P	P	(A)	P	P	P	Anshika Gupta
24	1900640540003	Ashutosh Upadhyay	VII	P	P	P	P	P	P	P	(A)	P	P	P	P	P	P	Ashutosh
25	1900640540004	Ayush Sharma	VII	P	P	P	P	P	P	P	(A)	P	P	P	P	P	P	Ayush Sharma
26	1900640540006	Ragini Singh	VII	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Ragini Singh
27	1900640540007	Ritu Singh	VII	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Ritu Singh
28	1900640540008	Shivendra Gupta	VII	P	P	P	P	(A)	P	P	P	P	P	P	P	P	P	Shivendra
29	1900640540009	Shobhita Sisodiya	VII	P	P	P	P	P	(A)	P	P	P	P	P	(A)	P	P	Shobhita

AP Singh

[Signature]
 Head
 Dept. of Bio Technology
 Hindustan College of Science & Technology
 Farah, Mathura

[Signature]
 Director
 Hindustan College of
 Science & Technology
 FARAH (MATHURA)

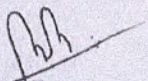


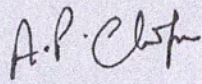
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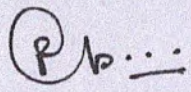
Certificate of Completion

*Department of Biotechnology Engineering
Academic Session 2022-23*

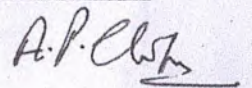
This is to certify that Mr/Ms. Ashi Jain (Roll No: 2100640540006), Department of Biotechnology Engineering has successfully completed 35 hours of Value Added Course MCT-22-23 VBT2206 titled "MCT-22-23-VBT2206 - Biofertilizer Production Technology."


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Course Coordinator


Director
Director
Hindustan College of
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FARAH (MATHURA)


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Hindustan College of
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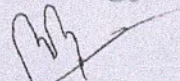


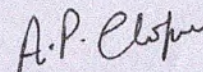
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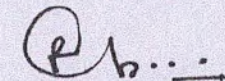
Certificate of Completion

Department of Biotechnology Engineering
Academic Session 2022-23

This is to certify that Mr/Ms. Ritu Singh (Roll No: 1900640540007), Department of Biotechnology Engineering has successfully completed 35 hours of Value Added Course MCT-22-23 VBT2205 titled "MCT-22-23-VBT2205 – Biofertilizer Production Technology."


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