SHORT TERM COURSE ON **4** Weeks Begins June 2020





③ INR 1200

To,

Date: 10.05.2020

The Dean,

FET, Rama University, Kanpur.

Sub.: Regarding Short Term Course organizing in Department of Applied Sciences and Humanities.

Respected Sir,

We are pleased to inform you that our department is organizing a four week Short Term Course 'Basics of Spectroscopy' from 9 June 2020. A detailed information is attached here with this letter.

You are requested to kindly give approval for the same.

Thanks and Regards

Rati Bajpai

(HoD, Department of Applied Sciences and Humanities)

Approved as per from comment.

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To. Faculty of Engineering and Technology, The Dean, Rama University, Kanpur, U.P.

Subject: Regarding release of incentive grant for short term course

This is to inform you that an online short term course on 'Basics of Spectroscopy' was conducted from 9 Respected Sir, June 2020 to 9 July 2020 (30 hrs.) by Department of Applied Sciences and Humanities (Faculty of Engineering and Technology, Rama University). The Coordinator of the course was Dr. Deeksha Ranjan (Assistant Professor, Department of Applied Sciences and Humanities). The fees of the course was Rs. 1200/- per student and in total thirteen students got registered for the course. The total collection of

You are therefore requested to release the incentive as per the policies of Rama University to the the course is Rs. 15,600/-. coordinator of the course.

Sincerely yours,

Head of Department Department of Applied Sciences and Humanities

Faculty of Engineering and Technology

Rama University

Received omount (Short term course)

Received proof (Short term course)

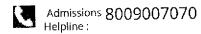
Attachment: The list of registered students along with their transaction ID and date of transfer.

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Rama University website link

https://www.ramauniversity.ac.in/news-basics-of-spectroscopy-short-term-course-12-49-767

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(https://www.instagram.com/ramauniversitykanpur/)



(https://www.ramauniversity.ac.in)

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MEDIA

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Events (https://www.ramauniversity.ac.in/Media-Events-12-50)

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News

MDS

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Admissions 2022-23

Ph.D. Admissions

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APPLY NOW

(https://forms.gle/kPsddrHaFiGSEg156)

The Department of Applied Science and Humanities, FET is accepting applications for the Short Term Course on the Basics of Spectroscopy, here are a few details that you must know to understand the relevance and the admission-related details of the course;

ABOUT THE COURSE

Spectroscopy is the study of the interaction of light (electromagnetic radiation) with the matter. Electromagnetic radiation covers a wide range of frequencies from gamma rays to radio frequencies. Depending on the frequency of radiation interacting with the matter, one can have different forms of spectroscopy.

These spectroscopic techniques allow us to monitor the structural properties of matter. For example, information on bond length, bond strength. Besides providing information on molecular structure, spectroscopic techniques can also be used for quantitative estimation of a substance making spectroscopy an important analytical tool.

Additionally, a spectroscopic transition is characterized by a definite timescale and this can provide information on chemical kinetics.

In this course, the fundamental principles of the different forms of spectroscopy will be elaborated. The application of these different spectroscopic methods for the elucidation of molecular structure will also be discussed.

The structural and dynamic aspects of spectroscopy are fundamental to physics, chemistry, and biology. Thus, this course will provide a thorough conceptual understanding of these branches of science.

DURATION: 4 Weeks

FEE DETAILS

Registration Fees: INR 200 Course Fees: INR 1000

Account Details

Account Holder name: Rama University
Account Number: 696820110000037
Account Type: Current Account

IFSC Code: BKID0006968

Branch Name: Chaubeypur, Kanpur

INSTRUCTOR DETAILS Dr. Deeksha Ranjan

Assistant Professor (Chemistry)
Department of Applied Sciences and Humanities
Faculty of Engineering and Technology
Rama University, Mandhana, Kanpur, U.P.

Ser dimensage

ELIGIBILITY

- The minimum qualification is 10+2 in any field of science.
- Specially targeted for Graduate and Postgraduate students of Biotechaplogy, Pharma, Medical, amedical. Admissions 2022-23 Admissions

MODE: Online Lecture and Practice.

EVALUATION SYSTEM: A 100 mark paper (50 marks internal and 50 marks external). Score at least 40% to pass.

BATCHES START: 9 JUNE 2020

EMPLOYMENT OPPORTUNITY

- Analytical Chemist
- · Research filed
- · Academic field
- Pharmaceutical labs
- Drug Industries
- · Instrumentation lab Instructors
- Environment field

There are various job possibilities in government as well as private job sectors in research as well as an academic field. Industries like the food industry, drug, and pharma industry, textile industry (in cotton impurity and fiber quality), leather industry (identification of leather finishing treatment), pollution measure and control, Agriculture (soil quality analysis, fertilizer analysis) where a person can apply as Research and Development Intern (Biotechnological, Environmental, pharmaceutical, etc.), Field Application Scientist, Quality Control, Analytical Scientist, etc.

TARGET AUDIENCE

- Interested Learners
- Science and Technology Students
- Health care personnel (Medical, Paramedical)
- Personnel of Pharmaceutical
- · Agriculture field personnel
- · Research personnel
- Lab Instructors

COURSE CONTENT

- Interaction between Light and Matter
- Different Forms of Spectroscopy
- Vibrational Spectroscopy
- · Electronic Spectroscopy
- NMR Spectroscopy
- Rotational Spectroscopy
- Raman Spectroscopy
- Application fields of various spectroscopic techniques

MDS
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Ph.D. Admissions

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Need Help?

- 1800 1020 449 (tel:18001020449)
- General Inquiries: info@ramauniversity.ac.in (mailto:info@ramauniversity.ac.in)
- ▶ Admission Inquiries: admissions@ramauniversity.ac.in (mailto:admissions@ramauniversity.ac.in)

Admissions

- ▶ Admission Process (Admissions-Admissions-Process-4-32)
- ▶ Admission Contacts (Admissions-Admission-Contacts-4-36)
- ▶ Admission Centres (Admissions-Admission-Centres-4-116)
- ▶ RUET (Admissions-RUET-4-118)
- ▶ Scholarships (Admissions-Scholarships-4-37)
- ▶ Education Loan (Admissions-Education-Loan-4-39)
- ▶ Refund Policy (Admissions-Refund-Policy-4-42)
- ▶ FAQs (Admissions-FAQs-4-38)

Placements

- ▶ Student Development (Placements-Student-Development-11-104)
- ▶ Recruiters (Placements-Recruiters-11-44)
- ▶ Placement Office (Placements-Placement-Office-11-48)

Press & Media

- ▶ News (Media-News-12-49)
- ▶ Events (Media-Events-12-50)
- ▶ M'edia Coverage (Media-MediaCoverage-12-51)

Study

- Undergraduate (admissions-courses-4-35)
- ▶ Postgraduate (admissions-courses-4-35)
- ▶ Doctoral (admissions-courses-4-35)
- Diploma (admissions-courses-4-35)

Popular Courses

- ▶ B. Tech (Rama-Faculty-of-Engineering-and-Technology-3-11-6)
- ▶ MBA (Rama-Faculty-of-Commerce-and-Management-3-
- ▶ B. Sc. Biotech (Rama-Faculty-of-Engineering-and-Technology-3-11-6)
- ▶ M. Sc. Biotech (Rama-Faculty-of-Engineering-and-Technology-3-11-6)
- ▶ Bachelor of Journalism & MassComm (Rama-Faculty-of-Professional-Studies-3-11-8)
- ▶ Master of Journalism & MassComm (Rama-Faculty-of-Professional-Studies-3-11-8)

Life @ RU

- ▶ Residential Apartment (Campus-Residential-Residential-
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- Medical & Healthcare (Campus-Residential-Medical-26-
- Art & Culture (Campus-Art-26-123)
- ▶ Auditorium (Campus-Academic-Facilities-Auditoriums-26-121-44)
- Shopping (Campus-Residential-Shopping-26-122-57)
- ▶ Sports (Campus-Sports-26-124)
- ▶ Libraries (Campus-Academic-Facilities-Libraries-26-121-45)
- ▶ Labs (Campus-Academic-Facilities-IT-26-121-46)
- ▶ Transportation (Campus-Residential-Transportation-26-122-55)

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Quick Links

- Anti Ragging Help (Quick-Anti-29-141)
- ▶ Grievance Redr
- ▶ Right to Inform
- ▶ Alumni Association (alumni)
- ▶ Careers (Careers-Submit-Resume-13-61)
- Research (Research_Development)
- Journal (http://www.ramauniversityjournal.com/)
- ▶ Blog (blog)

Rama University

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Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Rama University Participants of online short term course on 'Basics of Spectrscopy' (9 June 2020 to 9 July 2020)

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Department of Applied Sciences and Humanities, FET, Rama University Schedule	Basics of Spectroscopy (Short Term Course) 09.06.2020 to 09.07.2020	Conducted by: Dr. Deeksha Ranjan (Assistant Professor - Chemistry)
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S.NO.	Date/ Time	Time	Topic
1	9/6/2020	10am-11:30 am	Spectroscopy - Introduction, EMR, Properties of waves, Principles, Spectrophotometer
2	10/6/2020	10am-11:30 am	Interaction of EMR with matter, Energy changes in molecules, Adsorption of radiation, Emission of radiation
3	11/6/2020	10am-11:30 am	IR Spectroscopy, Selection Rule, Conditions for the IR absorption, Types of bands
4	12/6/2020	10am-11:30 am	Fundamental bands, Number of fundamental vibrations, Non-fundamental vibrations
5	13/6/2020	10am-11:30 am	Overtone and Combination bands, Fermi Resonance
9	15/6/2020	10am-11:30 am	Coupling, Requirements of coupling, types of molecular vibrations,
7	16/6/2020	10am-11:30 am	Fingerprint region, functional group region
8	17/6/2020	10am-11:30 am	Interpratation of IR spectrum
6	18/6/2020	10am-11:30 am	Factors influencing absorption
10	19/6/2020	10am-11:30 am	Instrumentation, Dispersive IR instrument details, Sampling
11	20/6/2020	10am-11:30 am	FTIR instrumentation details, Examples of IR Spectroscopy
12	22/6/2020	10am-11:30 am	Applications of IR spectroscopty
13	23/6/2020	10am-11:30 am	UV-Vis Spectrocopy - Principle, Electronic excitations, Absorbance of a solution, Beer's Lambert's Law
14	24/6/2020	10am-11:30 am	UV Vis Spectrophotometer, Instrumental Components, Sampling, CCD
15	25/6/2020	10am-11:30 am	Woodward Fieser Rules, Examples
16	26/6/2020	10am-11:30 am	Analysis of UV-Vis Spectra, Applications
17	27/6/2020	10am-11:30 am	NMR Spectroscopy - NMR active nuclei, Principle, Instrumentation detail, sampling
18	29/6/2020	10am-11:30 am	Chemical shift, NMR Spectroscopy Techniques, Applications



19	30/6/2020	10am-11:30 am	Rotational Spectroscopy, Basics, Principle, Example of molecules showing permanent dipole, Rotational Energy of a Diatomic molecule,
	1/7/2020	10am-11:30 am	General features of rotating system, Moment of Inertia, Classification of Molecular rotors
	2/7/2020	10am-11:30 am	Rotational Spectra of diatomics (Rigid rotors), Rotational energy levels of a diatomic molecule, Selection rules,
	3/7/2020	10am-11:30 am	Rotational Spectra of non rigid rotors, Instrumentation in detail, Applications
	4/7/2020	10am-11:30 am	Raman Spectroscopy, Introduction, Origin of Raman Scattering, Elastic and Inelastic, Rayleigh scattering
	6/7/2020	10am-11:30 am	Instrumentation
	7/7/2020	10am-11:30 am	Raman active molecules, Difference between IR and Raman Spetroscopy
	8/7/2020	10am-11:30 am	Types, Applications
	9/7/2020	10am-11:30 am	Study of Raman Spectra

Sentillenary of the selection of the sel

Basics of Spectroscopy (Short Term Course) 09.06.2020 to 09.07.2020

		Dasics	special oscopy	Siloit Ieilin	specificacipy (siloit Tellii codise) 09:00:2020 to 09:07:2020	020 10 03:01 .20	77		2000,010,00
	DATES		9/6/2020	10/6/2020	11/6/2020	12/6/2020 13/6/2020	13/6/2020	15/6/2020	16/6/2020
S.NO.	S.NO. NAME OF STUDENTS	Institute	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am
1	Pushpendra Singh	Mtech(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	d.	А
2	Raj Kishor	Mtech(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	А
E	Shweta Tiwari	Mtech(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	Д
4	Ayushi Shukla	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	Ь
2	Baishali Sharma	MSc(Biotechnology), RU	Ь	Ь	Р	Ь	Р	Ь	Ь
9	Deeksha Yadav	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	Ь
7	Rajan Gupta	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	Ь
8	Raveena Singh	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	Д
6	Smriti Sharma	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	Ь
10	Tanya Pal	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	А
11	Ms. R. Vanlalmalsawmi	MIZORAM UNIVERSITY	Ь	Ь	Ь	Ь	Ь	Ь	۵.
12	Mr. Benjamin Lalbiakmawia	MIZORAM UNIVERSITY	Ь	Ь	Ь	Ь	Ь	А	Ь
13	Dr. BHUPEN KUMAR BARUAH	Dr. BHUPEN KUMAR JB COLLEGE, JORHAT, BARUAH ASSAM	Ь	Ь	Ь	Ь	Ь	Ь	Ь
14	Mr. Laltanpuia Renthlei	Department of Environmental Science, Mizoram University	Ь	C-	Ь	Ь	Ь	Ь	Ь
15	Mr. Gopal Krishna Sarswat	MSME-TDC (PPDC), Agra	Ф	Ь	А	А	Ь	а	А
16	Ms. Unnati Nagariya	Maharana Pratap College of Pharmacy, Kanpur	Ф	Д	۵	۵	۵	۵	d
17	Ms. Divya T	Tamil Nadu Agricultural University	Ь	Ь	р	Ь	Ь	Ь	А
18	Mr. Shashi Kant	Govt. Higher Secondary School, Kishtwar (J&K)	А	Ь	Ь	Ь	Ь	а	Ь
19	Ms. Madhu	Maharana Pratap College of Pharmacy, Kanpur	Д	۵	ď	a.	۵	Д	٩



20	20 Ms. Alka	Kanpur Institute of technology and pharmacy	Ь	Ф	۵	А	۵	۵	Ь
21	21 Mr. ANKIT SHUKLA	Maharana Pratap College of Pharmacy, Kanpur	Ь	Ь	Ь	Ь	Ь	Ь	Ь
22	22 Ms. Shilpi Devi	CSJM University, Kanpur	Ь	Ь	Ь	Ь	А	Ь	Ь
23	Ms. Poonam Gupta	23 Ms. Poonam Gupta CSJM University, Kanpur	Ь	Ь	Ь	Ь	Ь	Ь	Ь



Basics of Spectroscopy (Short Term Course)

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S.NO. NAN 1 Pusi			1//6/2020	18/6/2020	19/6/2020	20/6/2020	22/6/2020	23/6/2020	24/6/2020
	NAME OF STUDENTS	Institute	10am-11:30 am						
	Pushpendra Singh	Mtech(Biotechnology), RU	Ь	А	А	۵	۵	۵	а
7	Raj Kishor	Mtech(Biotechnology), RU	Ь	А	А	ط	А	а	Ь
3 Shw	Shweta Tiwari	Mtech(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	А	А
4 Ayu	Ayushi Shukla	MSc(Biotechnology), RU	Ь	Ь	А	۵	Ь	۵	Ь
5 Bais	Baishali Sharma	MSc(Biotechnology), RU	Ь	۵	Ь	۵	А	а	d.
eee 9	Deeksha Yadav	MSc(Biotechnology), RU	Ь	Ь	Ь	۵	А	а	Ь
7 Raja	Rajan Gupta	MSc(Biotechnology), RU	Ь	Ь	Ь	а	Ь	а	А
8 Rave	Raveena Singh	MSc(Biotechnology), RU	Ь	Ь	Ь	۵	Ь	А	Ь
9 Smr	Smriti Sharma	MSc(Biotechnology), RU	Ь	Ь	Ь	А	Ь	Ь	Ь
10 Tany	Tanya Pal	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь	Ь
11 VANLA	Ms. R. VANLALMALSAWMI	MIZORAM UNIVERSITY	Ь	Ф	Ь	А	Ь	Ь	Ь
12 Mr.	Mr. BENJAMIN LALBIAKMAWIA	MIZORAM UNIVERSITY	Ь	Д	Ь	А	Ь	Ь	Ь
13 Dr. F BAR	Dr. BHUPEN KUMAR BARUAH	Dr. BHUPEN KUMAR JB COLLEGE, JORHAT, BARUAH ASSAM	Ь	Ь	Ь	А	Ь	А	Ь
14 Rent	Mr. Laltanpuia Renthlei	Department of Environmental Science, Mizoram University	Ь	Ь	۵	Ф	Ь	Ь	Ь
15 Mr.	Mr. Gopal Krishna Sarswat	MSME-TDC (PPDC), Agra	Ь	Ь	Ь	Ь	Ь	Ь	Ь
16 Ms.	Ms. Unnati Nagariya	Maharana Pratap College of Pharmacy, Kanpur	Д	Д	А	Д	а	Ф	А



17	17 Ms. Divva T	Tamil Nadu Agricultural	Ь	۵	۵	۵	d	А	۵
		University		_		_	_	_	_
18	18 Mr Shashi Kant	Govt. Higher Secondary	d		c	٥			d
3	IVII. JUGGIII NOILE	School, Kishtwar (J&K)	_	7	7	Σ.	7	Τ.	7
19	19 Ms. Madhu	Maharana Pratap College	Ь	Ь	Ь	Ь	Ь	А	А
		от клаппасу, каприг						11.00	
20	20 Ms. Alka	Kanpur Institute of	а	Ь	Ь	а	Ь	ط	۵
		technology and pharmacy							
21	21 Mr. ANKIT SHUKLA	Maharana Pratap College	d	Д	d	۵	d	۵	Д
		of Pharmacy, Kanpur				-			-
22	22 Ms. Shilpi Devi	CSJM University, Kanpur	Ь	Ь	Ь	Ь	Ь	Ь	Ь
23	Ms. Poonam Gupta	23 Ms. Poonam Gupta CSJM University, Kanpur	Ь	Ь	Ь	Ь	Ь	Ь	Ь



	DATES		Basics of	Basics of Spectroscopy (Short Term Course)	Short Term Co	urse)	000013700	0000/17/1	0000/1/0
ON	S NO NAME OF STUDENTS		10-11-10-11	20/0/2020	21/0/2020	29/0/2020	30/0/2020	1/1/2020	2/1/2020
3.NC	NAIME OF STUDENT	Institute	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am
1	Pushpendra Singh	Mtech(Biotechnology), RU	Ь	۵	А	Ь	Ь	Ь	Ь
7	Raj Kishor	Mtech(Biotechnology), RU	Ь	۵	а	۵	۵	۵	Ф
3	Shweta Tiwari	Mtech(Biotechnology), RU	Ь	ط	۵	۵	۵	۵	۵
4	Ayushi Shukla	MSc(Biotechnology), RU	Ь	۵	ط	۵	۵	۵	۵
5	Baishali Sharma	MSc(Biotechnology), RU	А	۵	۵	۵	۵	۵	۵
9	Deeksha Yadav	MSc(Biotechnology), RU	Ь	а	Ь	۵	۵	۵	А
7	Rajan Gupta	MSc(Biotechnology), RU	Ь	А	А	۵	۵	Д	۵
∞	Raveena Singh	MSc(Biotechnology), RU	Ь	ط	А	۵	۵	۵	d
6	Smriti Sharma	MSc(Biotechnology), RU	Ь	А	Ь	А	۵	۵	А
10	Tanya Pal	MSc(Biotechnology), RU	Ь	Ь	Ь	А	А	٩	А
11	Ms. R. VANLALMALSAWMI	MIZORAM UNIVERSITY	Ь	۵	۵	۵	۵	٩	۵
12	Mr. Benjamin Lalbiakmawia	MIZORAM UNIVERSITY	Ь	۵	۵	۵	А	۵	Ь
13	Dr. BHUPEN KUMAR BARUAH	Dr. BHUPEN KUMAR JB COLLEGE, JORHAT, BARUAH ASSAM	Ь	۵	А	٩	۵	۵	А
14	Mr. Laltanpuia Renthlei	Department of Environmental Science, Mizoram University	Ь	۵	Ь	۵	۵	۵	۵
15	Mr. Gopal Krishna Sarswat	MSME-TDC (PPDC), Agra	Ь	Ь	Ь	А	А	Ь	Ь
16	Ms. Unnati Nagariya	Maharana Pratap College of Pharmacy, Kanpur	Ф	А	Ь	Ь	Ь	Ь	Ь

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77	INIS. DIVYA I	University	Σ.	Σ.	2	d	Д	۵.	۵.
18	18 Mr Shashi Kant	Govt. Higher Secondary	c	c	c	٥	c		6
10	IVII. SHASHII NAHE	School, Kishtwar (J&K)	r	7	Τ.	r	<u>.</u>	Τ.	7
19	19 Ms. Madhu	Maharana Pratap College of Pharmacy, Kanpur	А	а	а	۵	Ь	ط	Ь
20	20 Ms. Alka	Kanpur Institute of technology and pharmacy	Ь	Ь	Ь	Ь	Ь	Ь	۵
21	21 Mr. ANKIT SHUKLA	Maharana Pratap College of Pharmacy, Kanpur	Ь	Ь	Ь	Ъ	А	а	А
22	22 Ms. Shilpi Devi	CSJM University, Kanpur	Д	Д	Д	Ь	Ь	Д	Д
23	Ms. Poonam Gupta	23 Ms. Poonam Gupta CSJM University, Kanpur	Ь	Ь	А	Ь	Ь	Ь	Ь



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			Basics of S	Basics of Spectroscopy (Short Term Course)	hort Term Cou	ırse)		
	DATES		3/7/2020	4/7/2020	6/7/2020	7/7/2020	8/7/2020	9/7/2020
S.NO.	S.NO. NAME OF STUDENTS	Institute	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am	10am-11:30 am
1	Pushpendra Singh	Mtech(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь
2	Raj Kishor	Mtech(Biotechnology), RU	Ь	Ь	А	А	Ь	Ь
ю	Shweta Tiwari	Mtech(Biotechnology), RU	Ь	А	۵	а	Ь	А
4	Ayushi Shukla	MSc(Biotechnology), RU	Ь	Ь	А	А	Ь	А
2	Baishali Sharma	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь
9	Deeksha Yadav	MSc(Biotechnology), RU	Ь	Ь	а	d	Ь	А
7	Rajan Gupta	MSc(Biotechnology), RU	р	Ь	А	А	Ь	Ь
∞	Raveena Singh	MSc(Biotechnology), RU	Ь	Ь	А	А	Ь	Ь
6	Smriti Sharma	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Ь
10	Tanya Pal	MSc(Biotechnology), RU	Ь	Ь	Ь	Ь	Ь	Р
11	Ms. R. VANLALMALSAWMI	MIZORAM UNIVERSITY	Ь	Ь	А	٩	Ь	Ь
12	Mr. BENJAMIN LALBIAKMAWIA	MIZORAM UNIVERSITY	Ь	Ь	Ь	Ь	Ь	Ь
13	Dr. BHUPEN KUMAR JB COLLE BARUAH ASSAM	JB COLLEGE, JORHAT, ASSAM	Ь	Ь	Ь	Ь	Ь	Ь
14	Mr. Laltanpuia Renthlei	Department of Environmental Science, Mizoram University	Ь	Ь	А	۵	Ь	Ь
15	Mr. Gopal Krishna Sarswat	MSME-TDC (PPDC), Agra	А	۵	٩	А	Ь	Ь
16	Ms. Unnati Nagariya	Maharana Pratap College of Pharmacy, Kanpur	А	۵	Ь	Ь	Ь	۵

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Tamil Nadu Agricultural University	Govt. Higher Secondary School, Kishtwar (J&K)	Maharana Pratap College of Pharmacy, Kanpur	Kanpur Institute of technology and pharmacy	Maharana Pratap College of Pharmacy, Kanpur	CSJM University, Kanpur	23 Ms. Poonam Gupta CSJM University, Kanpur
17 Ms. Divya T	18 Mr. Shashi Kant	19 Ms. Madhu	20 Ms. Alka	21 Mr. ANKIT SHUKLA	22 Ms. Shilpi Devi	Ms. Poonam Gupta
17	18	19	20	21	22	23



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Applied Sci. & University
Applied Sci. & University
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Details to be filled for e-certificate

S.No.	Your Name (as required on certificate)	Father's name (as required on certificate)	Institute name (as required on certificate)
1	Ms. R. VANLALMALSAWMI	Mr. R. LALREMRUATA	MIZORAM UNIVERSITY
2	Mr. BENJAMIN LALBIAKMAWIA	Mr. MS DAWNGLIANA	MIZORAM UNIVERSITY
3	Dr. BHUPEN KUMAR BARUAH	Mr. DEBEN CHANDRA BARUAH	JB COLLEGE, JORHAT, ASSAM
4	Mr. Laltanpuia Renthlei	Mr. Biakzidinga Renthlei	Department of Environmental Science, Mizoram University
5	Mr. Gopal Krishna Sarswat	Mr. Satya Murti Sarswat	MSME-TDC (PPDC), Agra
6	Ms. Unnati Nagariya	Mr. Devendra kumar Nagariya	Maharana Pratap College of Pharmacy, Kanpur
7	Ms. Divya T	Mr. Thiyagarajan K	Tamil Nadu Agricultural University
8	Mr. Shashi Kant	Lt. Mr. Kuldeep Singh	Govt. Higher Secondary School, Kishtwar (J&K)
9	Ms. Madhu	Mr. Dharmendra Kumar Dwivedi	Maharana Pratap College of Pharmacy, Kanpur
10	Ms. Alka	Mr. Ram Prakash	Kanpur Institute of Technology and Pharmacy
11	Mr. ANKIT SHUKLA	Mr. RAM SHRAN SHUKLA	Maharana Pratap College of Pharmacy, Kanpur
12	Ms. Shilpi Devi	Lt. Mr. Kamta Prashad	CSJM University, Kanpur
13	Ms. Poonam Gupta	Mr. Rakesh Gupta	Rama University, Kanpur



I	I				
	On which topic do you want other course?	Any core topic which helps in future	ON.	UV Visible	Chromatography, Microscopy
	Any suggestion?	No	No	Arrange another online course in future	It would be better if we had some virtual tour on instrumentation parts
Spectroscopy	Presentation skill Was it beneficial? Any suggestion?	Yes, very much	Yes, okay	Yes, very much	Yes, very much
ine Short Term Course Basics of Spectroscopy	Presentation skill	Very good	Good	Very good	Very good
e Short Term	Subject knowledge and topic	Very good	Good	Very good	Very good
Feedback Onlir	PPT	Very good	Very good	poog	Good
) <u>i</u>	Topic relevance	Very good	poog	Excellent	Excellent
	Email Address		gopalmsmetdc @gmail.com	b.k.baruah2000 @gmail.com	divya17jd@gm ail.com
	Timestamp	7/9/2020 22:55:56	gopalmsmett 7/9/2020 23:00:34 @gmail.com	b.k.baruah20 7/9/2020 23:00:35 @gmail.com	divya17 7/9/2020 23:00:38 ail.com

C

sh 01 7/9/2020 23:03:04 m	ashibiotech.2 4@gmail.co	Excellent	Very good	Very good	Very good	Yes, very much	Provide detailed study material in the form of notes.	Flowcytometry
shilpidevi4 7/9/2020 23:07:32 gmail.com	25@	Excellent	Very good	Good	Good	Yes, very much	Some topics explanation must be in hindi	Food technology
Pc 07/10/2020 6:15:45 m	oonamgupta.2 23@gmail.co	Excellent	Very good	Very good	Very good	Yes, very much	Mam I want your guidance every time with your blessings . Any of the topics	Any of the topics
madhudwivedi3 7/10/2020 10:35:04 32@gmail.com	madhudwivedi3 32@gmail.com	Excellent				Yes, very much	Some Topics should be explained in hindi as well.	Basic concepts of pharmacology

raltevanial 7/10/2020 12:02:26 gmail.com	raltevanlal17@	Very good	Good	Good	Good	Yes, okay	virtual working (video) of instruments can be presented for better understanding of the instrument. And also, how the study will be carried out -	Chromatography
unnatinagariya 7/10/2020 12:03:06 5@gmail.com	unnatinagariya 5@gmail.com	Excellent	Okay	Very good	Very good	Yes, very much	Any other changement regarding this course.	Application of biopharmaceutics and pharmacokinetics.
tanarenth 7/11/2020 13:11:25 mail.com	tanarenthlei@g mail.com	Very good	Very good	poog	poog	Yes, very much	No	Practical usage of spectrophotometer
ankit13	ankit1363@gm ail.com	Excellent	Good	Good	Good	Yes, very much	please arrange more webinar	HPLC

C

				Flame Photometry
 It will be beneficial if	the presentation	could include more	working practical	instructions.
				Yes okav
				Good
				Good
		-		Good
			·	Very good
			benjaminecoto	ne@amail.com
				7/13/2020 13:48:41 ne@omail.com Very good

Feedback Form

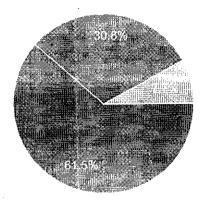
13 responses

Publish analytics

Topic relevance

13 responses





Excellent

Very good

⊕ Good

Fair



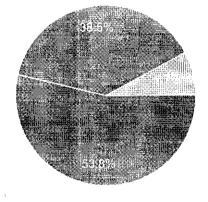
13 responses



Very good
Good

Okay

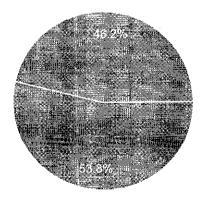
Not satisfactory



Subject knowledge and topic delivery

13 responses



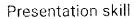


Very good

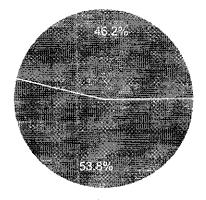
Good

Fair

Not satisfactory



13 responses



Very good

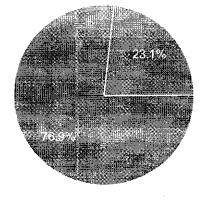
Good

Fair

Satisfactory



13 responses



Yes, very much

💣 Yes, okay

Not very much

Not at all

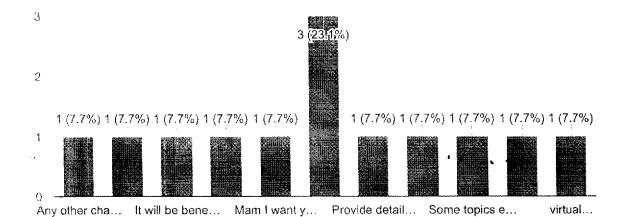
Any suggestion?

13 responses



Some Topics... please arrang...

í□ Copy



No

Arrange anoth... It would be be...

13 responses

Any core topic which helps in future

Any of the topics

Νo

Application of biopharmaceutics and pharmacokinetics.

Practical usage of spectrophotometer

Basic concepts of pharmacology

HPLC

Food technology

Flame Photometry

Flowcytometry

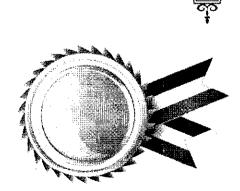
Chromatography

UV Visible

Chromatography, Microscopy

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Google Forms







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Dr./
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from

has successfully completed the online short term course on 'Basics of Spectroscopy' conducted from 9th June 2020 to 9th July 2020, by Department of Applied Sciences & Humanities,

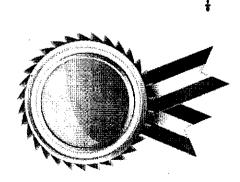
Faculty of Engineering & Technology.

Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology

Mrs. Rati Bajpai HOD, Dept. of Applied Sciences

& Humanities









CERTIFICATE OF COMPLETION

This is to certify that Dr./ Mr./ Mrs./ Ms.

Mr. Satya Murti Sarswat

GOPAL KRISHNA SARSWAT

from MSME-TDC (PPDC), AGRA

has successfully completed the online short term course on 'Basics of Spectroscopy' conducted from 9th June 2020 to 9th July 2020, by Department of Applied Sciences & Humanities,

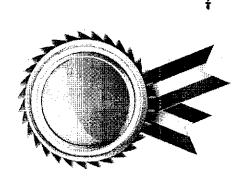
Faculty of Engineering & Technology.



Dean, Faculty of Engineering Dr. Hari Om\Sharan & Technology

HOD, Dept. of Applied Sciences Mrs. Rati Bajpai & Humanities

Co-ordinator, Dept. of Applied Sciences & Humanities Dr. Deeksha Ranian







This is to certify that Dr./ Mr./ Mrs./ Ms.

Mr. BIAKZIDINGA RENTHLEI

S/o, D/o_

from

LALTANPUIA RENTHLEI

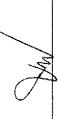
MIZORAM UNIVERSITY

has successfully completed the online short term course on 'Basics of Spectroscopy' conducted from 9th June 2020 to 9th July 2020, by Department of Applied Sciences & Humanities,

Faculty of Engineering & Technology.

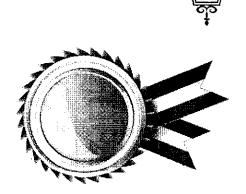


Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology



Mrs. Rati Bajpai HOD, Dept. of Applied Sciences & Humanities





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ENDER

MADHU

This is to certify that Dr./ Mr./ Mrs./ Ms. S/o, D/o Mr. DHARMENDRA KUMAR DWIVEDI

from MAHARANA PRATAP COLLEGE, KANPUR

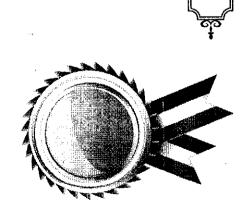
has successfully completed the online short term course on 'Basics of Spectroscopy' conducted from 9th June 2020 to 9th July 2020, by Department of Applied Sciences & Humanities,

Faculty of Engineering & Technology.

7

Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology

Mrs. Rati Bajpai HOD, Dept. of Applied Sciences & Humanities







This is to certify that Dr./ Mr./ Mrs./ Ms.__

Mr. RAKESH GUPTA

from RAMA UNIVERSITY, KANPUR

POONAM GUPTA

has successfully completed the online short term course on 'Basics of Spectroscopy' conducted from 9th June 2020 to 9th July 2020, by Department of Applied Sciences & Humanities,

Faculty of Engineering & Technology.

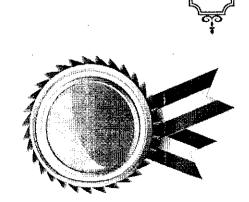


Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology



Mrs. Rati Bajpai HOD, Dept. of Applied Sciences & Humanities









This is to certify that Dr./ Mr./ Mrs./ Ms._

Mr. R. LALREMRUATA

from MIZORAM UNIVERSITY

R. VANLALMALSAWMI

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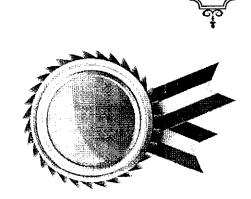


Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology

Mrs. Rati Bajpai HOD, Dept. of Applied Sciences

& Humanities









SHASHI KANT

Lt. Mr. KULDEEP SINGH This is to certify that Dr./ Mr./ Mrs./ Ms.

S/o, D/o

from HIGHER SECONDARY SCHOOL, KISHTWAR (JEK)

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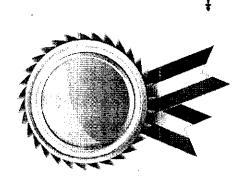
Dean, Faculty of Engineering Dr. Hari Om\Sharan & Technology

HOD, Dept. of Applied Sciences Mrs. Rati Bajpai

& Humanities



Co-ordinator, Dept. of Applied Sciences & Humanities Dr. Deeksha Ranjan







TERTIFICATE OF COMPLETION

This is to certify that Dr./ Mr./ Mrs./ Ms.

Lt. Mr. KAMTA PRASHAD

from CSJM UNIVERSITY, KANPUR

SHILPI DEVI

has successfully completed the online short term course on 'Basics of Spectroscopy' conducted from 9th June 2020 to 9th July 2020, by Department of Applied Sciences & Humanities,

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Dean, Faculty of Engineering Dr. Hari Om Sharan & Technology

HOD, Dept. of Applied Sciences Mrs. Rati Bajpai & Humanities



Co-ordinator, Dept. of Applied Sciences & Humanities Dr. Deeksha Ranjan



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UNNATI NAGARIYA

from MAHARANA PRATAP COLLEGE, KANPUR

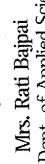
S/o, D/o Mr. DEVENDRA KUMAR NAGARIYA

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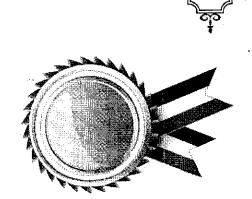
Dean, Faculty of Engineering Dr. Hari Om\Sharan & Technology



HOD, Dept. of Applied Sciences & Humanities



Co-ordinator, Dept. of Applied Sciences & Humanities Dr. Deeksha Ranjan







This is to certify that Dr./ Mr./ Mrs./ Ms. __

Mr. RAM PRAKASH

S/o, D/o

from KAIN

KANPUR INSTITUTE OF TECHNOLOGY

ALKA

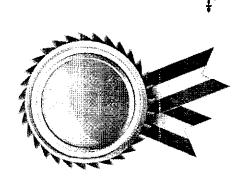
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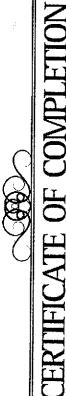
Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology

Mrs. Rati Bajpai HOD, Dept. of Applied Sciences & Humanities









This is to certify that Dr./ Mr./ Mrs./ Ms.

Mr. RAM SHRAN SHUKLA

S/o, D/o_

from MAHARANA PRATAP COLLEGE, KANPUR

ANKIT SHUKLA

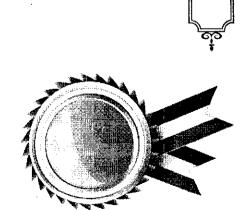
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Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology

Mrs. Rati Bajpai HOD, Dept. of Applied Sciences

& Humanities





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MIZORAM UNIVERSITY BENJAMIN LALBIAKMAWIA from Mr. MS DAWNGLIANA This is to certify that Dr./ Mr./ Mrs./ Ms.

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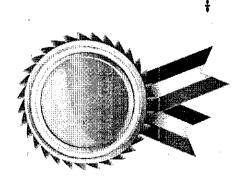
Faculty of Engineering & Technology.



Dr. Hari Om\Sharan Dean, Faculty of Engineering Et Technology

Mrs. Rati Bajpai HOD, Dept. of Applied Sciences & Humanities









CERTIFICATE OF COMPLETION

This is to certify that Dr./ Mr./ Mrs./ Ms.

Mr. THIYAGARAJAN K

S/o, D/o _

from TAMIL NADU AGRI. UNIVERSITY

DIWA T

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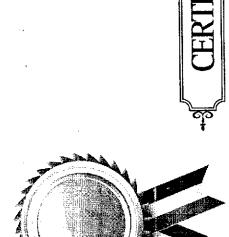


Dr. Hari Om\Sharan Dean, Faculty of Engineering Et Technology



Mrs. Rati Bajpai HOD, Dept. of Applied Sciences Et Humanities









This is to certify that Dr./ Mr./ Mrs./ Ms._____S/o, D/o____Mr. DEBEN CHANDRA BARUAH

Dr. BHUPEN KUMAR BARUAH from JB COLLEGE, JORHAT, ASSAM has successfully completed the online short term course on 'Basics of Spectroscopy' conducted from 9th June 2020 to 9th July 2020, by Department of Applied Sciences & Humanities, Faculty of Engineering & Technology.



Dr. Hari Om\Sharan Dean, Faculty of Engineering & Technology

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