To,
The Principal
SSES Amt's Science College,
Congress Nagar, Nagpur-12

Subject: Permission to conduct the add on courses in the department (2022-2023)

Respected Sir,

This is to request you that, we wish to conduct the add on courses in chemistry department these are the certificate courses of thirty hours' time duration.

The details of the courses is submitted here with.

Hence please permit to run the same and oblige me.

Thanking you

Yours sincerely

20|6|22

(Prof. R. U. Khope) ead
Department of Chemistry,
Shri Shivaji Science College
Congress Nagar, Nagpur.

Permitted
Dhore

Shri Shivaji Education Society Amaravti's

Science College

Congress Nagar, Nagpur - 440012
Accredited with a CGPA of 3.61 with 'A+' grade by NAAC Bengaluru, A
College with Potential for Excellence, Member of APQN Recognized Center for Higher Learning
A Mentor College Under the UGC Paramarsh Scheme

Chemistry Department

Notice for Admission to Free Certificate Course

We are pleased to announce the opening of admissions for a free certificate course offered by Shivaji Science College, Nagpur. This is a unique opportunity for students to enhance their skills and knowledge at no cost.

Course Details:

- Course Title: Certificate Course – Integrating Excel into Chemical Analysis (IECA)
- Course Duration: 30 Hrs
- Course Start Date: 18/08/2022
- Application Deadline: 15/08/2022

Important Notes:

- There are limited seats available. Admission will be on a first-come, first-served basis.
- Attendance and participation in all sessions are mandatory.
- Certificates will be awarded upon successful completion of the course.

For further details, please get in touch with the course coordinator Dr. Sarang Dhote [919822463373]

Don't miss this chance to gain valuable skills and knowledge for future endeavors.

Date – 01/08/2022

Course Coordinator
Dr. Sarang S. Dhote
Chemistry Department
Shivaji Science College

Science College, Nagpur

Department of Chemistry

Certificate Course - Integrating Excel into Chemical Analysis
(Even Semester)

Course Coordinator – Dr. Sarang S. Dhote

Certificate Course - Integrating Excel into Chemical Analysis

Course Coordinator – Dr. Sarang S. Dhote

Course Overview

Welcome to the "Integrating Excel into Chemical Analysis" course! This **30-hour course** is designed for chemistry professionals, students, and researchers who aim to enhance their skills in data analysis, visualization, and management using Microsoft Excel.

Course Objective

1. To provide a comprehensive understanding of Excel's functionalities relevant to chemical data analysis.
2. To enhance skills in organizing, analyzing, and interpreting chemical data using Excel.
3. To enable participants to visualize chemical data effectively through charts and graphs.
4. To facilitate the application of Excel tools in solving complex chemical problems.

Syllabus Overview

Unit 1: Introduction to Excel for Chemists (7 Hours)

1. Excel Interface and Basic Functionalities
2. Data Entry and Management
3. Data Cleaning Techniques
4. Basic Data Analysis

Unit 2: Advanced Excel Functions for Chemical Analysis (8 Hours)

1. Conditional Formatting
2. Advanced Formulas and Functions
3. Data Sorting and Filtering
4. Data Validation and Error Checking

Unit 3: Data Visualization Techniques (8 Hours)

1. Creating Charts and Graphs
2. Customizing Charts
3. PivotTables and PivotCharts
4. Advanced Charting Techniques

Unit 4: Applications of Excel in Chemical Analysis (7 Hours)

1. Chemical Data Analysis Case Studies
2. Regression Analysis and Curve Fitting
3. Simulating Chemical Processes
4. Report Generation and Presentation

Practical Demonstration Sessions

1. Data Entry and Organization
2. Applying Advanced Formulas
3. Creating Dynamic Charts and Graphs
4. Performing Regression Analysis

Course Outcomes

1. By the end of this course, participants will:
2. Gain proficiency in using Excel for chemical data management.
3. Perform advanced data analysis and statistical calculations relevant to chemistry.
4. Create and interpret various data visualizations for chemical data.
5. Solve chemical analysis problems using Excel tools and techniques.

The Structure of the Syllabus for the Certificate course along with the distribution of marks is also displayed in the following Table
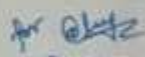
Course	Theory Papers and Practical	Marks			Total Marks
		Theory	Internal Assessment*	Practical	
Certificate Course in **INTEGRATING EXCEL INTO CHEMICAL ANALYSIS**	**Theory paper-** Integrating Excel into Chemical Analysis	50	00	00	50
				00	
		Grand total			50

*Internal assessment –

• Based on students' attendance and performance during theory, practical & assignments/case study

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

Internal Quality Assurance Cell
(IQAC)
S. S. E. S. A. Science College
Congress Nagar, Nagpur.

Principal
S. S. E. S. Amravati's
Science College, Nagpur.

Shri Shivaji Education Society Amravati's

Science College, Nagpur

Department of Chemistry

Certificate Course – Integrating Excel into Chemical Analysis

Teaching Plan for Certificate Course

Actual Date	Lecture Topic	Unit
18 08 2022	Excel Interface and Basic Functionalities	Unit 1
19 08 2022	Data Entry and Management	Unit 1
20 08 2022	Data Cleaning Techniques	Unit 1
25 08 2022	Basic Data Analysis	Unit 1
26 08 2022	Conditional Formatting	Unit 2
27 08 2022	Advanced Formulas and Functions	Unit 2
01 09 2022	Advanced Formulas and Functions (Continued)	Unit 2
02 09 2022	Data Sorting and Filtering	Unit 2
03 09 2022	Data Sorting and Filtering (Continued)	Unit 2
08 09 2022	Data Validation and Error Checking	Unit 2
09 09 2022	Creating Charts and Graphs	Unit 3
10 09 2022	Creating Charts and Graphs (Continued)	Unit 3
15 09 2022	Customizing Charts	Unit 3
16 09 2022	PivotTables and PivotCharts	Unit 3
17 09 2022	PivotTables and PivotCharts (Continued)	Unit 3
22 09 2022	Advanced Charting Techniques	Unit 3
23 09 2022	Chemical Data Analysis Case Studies	Unit 4
25 09 2022	Regression Analysis and Curve Fitting	Unit 4
29 09 2022	Simulating Chemical Processes	Unit 4
30 09 2022	Report Generation and Presentation	Unit 4
01 01 2022	Data Entry and Organization	Practical
03 01 2022	Applying Advanced Formulas	Practical
06 01 2022	Creating Dynamic Charts and Graphs	Practical
07 10 2022	Performing Regression Analysis	Practical
12 10 2022	Review and Q&A Session	Review
13 10 2022	Hands-on Practice and Assignment Discussion	Practical
14 10 2022	Hands-on Practice and Assignment Discussion (Continued)	Practical
15 10 2022	Final Revision and Exam Preparation	Review
18 10 2022	Mock Exam and Feedback	Review
19 10 2022	Course Wrap-up and Final Instructions	Wrap-up

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

Class/Time	1 7.36	2 8.18	3 9.36-9.54	4 10.00	5 10.48	6 11.36	7 11.44	8 1.21	9 2.36-3.88	10 3.12	11 4.00	12 4.48-5.36
Mon Sem I		CHE - (PF)		CHE-CE (RDU/JKG)			CHE-CE (SVD)				CHE (SVD/PD)	
Sem III			CHE- C10 (VK)	CHE PSU+RAD(T)+SSD+VK(M)			CHE-CE (RAD/FK)					
Sem V				CHE-CE (PND)	CHE-CE (RUK)	CHE-CE (RCF)	CHE JKG/ RDU/RKM/PD					
PG1				Inorganic Practical				Physical	RM	Inorganic		
Tue Sem I		CHE - (PF)		CHE-CE (RDU/JKG)							CHE (SVD/PD)	
Sem III			CHE- C10 (VK)	CHE PSU+RAD(T)+SSD+VK(M)			CHE-CE (RAD)					
Sem V				CHE-CE (PND)	CHE-CE (RUK)	CHE-CE (RCF)	CHE JKG/ RDU/RRM/PD					
PG1				Inorganic Practical				Physical	RM	Inorganic		
Wed Sem I		CHE- C10 (JKG/SSD)	CHE- C10 (SVD/PD)				CHE RUK/PF					
Sem III		CHE SSD		CHE- C10 (YKM/VS)								
Sem V		CHE- C10 (PSU)		CHE SSD/PD+PCF(W)			CHE-CE (PCF/PK)					
PG1				Inorganic Practical				Physical	RM	Inorganic		
Thurs Sem I		CHE- C10 (JKG/SSD)	CHE- C10 (SVD/PSU)				CHE RUK/PF				Certificate Course (BCA)	Certificate Course (BCA)
Sem III		CHE RDU		CHE- C10 (YKM/VS)								
Sem V		CHE- C10 (PSU)		CHE SSD/PD+PCF(W)			CHE-CE (PCF/PK)					
PG1				Physical Practical				Physical	RM	Inorganic		
Fri Sem I			CHE- C10 (SVD)	CHE- C10 (SSD)			CHE SSD/PD+VK				Certificate Course	
Sem III	CHE- C10 (VK/RDU)											

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				CHE- C10 (VK/RDU)	CHE VK/RAD/SVD		CHE - C10 (PSF)				(BCA)	
Sat Sem V												
PG1					Physical Practical			Biomolecule	RM	Inorganic		
Sem I			CHE- C10 (SVD)		CHE - C10 (SSD)		CHE SSD/PD+VK				Certificate Course (BCA)	Certificate Course (BCA)
Sem III	CHE- C10 (VK/RDU)		CHE- C10 (VK/RDU)									
Sem V					CHE VK/RAD/SVD		CHE - C10 (PSF)					
PG1					Physical Practical			Biomolecule	RM	Inorganic		

RDU– Dr. Rashmi Urkude, JKG_ Dr. J. Gunjate, SVD- Mr. S. Davtpur, RK- Dr. R. Khope, YKM- Dr. Y. Meshram, RAD- DR. R. Deshmukh, PND- Dr. P. Deshmukh, VK- Dr. V. Kohlkar, SSD- Dr. S. Dhote, PK- Ms. P. Khobragade, PCF- MS. P. Feddewar, PSU- Dr. P. Utale

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

List of Admitted Students

Shri Shivaji Education Society Amravati's
Science College, Nagpur
Department of Chemistry
Certificate Course – Integrating Excel into Chemical Analysis
Sign for Students for Confirmation of admission

Roll. No.	Name of Students	Sign
2022001	ANASANE VAIDEHI GANESH	
2022002	AMBOLE TRUPTI DNYANESHWAR	
2022003	ATILKAR PRANAY DNANESWHAR	
2022004	BAGDE YASHIKA PRAMOD	
2022005	BANSOD SAMYAK DNYANESWATR	
2022006	BARDE VISHA PRAKASH	
2022007	BARASKAR ASHWINI UMESH	
2022008	BHOYAR HEMAD AJAY	
2022009	BHUSHANKAR MRUNALI NARESH	
2022010	BISEN KAJAL DEBLAL	
2022011	BOLE ACHAL ANOOP	
2022012	BONDE SHRUTI VINOD	
2022013	BONDRE TATHI KUSUMKAR	
2022014	BORKAR DUSHANT RUSHI	
2022015	BRAHMANKAR SMRUTI SANJAY	
2022016	CHAUDHARI BHARVI VIKAS	
2022017	CHAVHAN AYUSH DILIP	
2022018	CHIKHALKAR HARSHADA WASUDEV	
2022019	DALVI CHETNA KAILAS	
2022020	DHOBE RIYA SATISH	
2022021	DHORE PARISA PRAMOD	
2022022	DONGRE MAHAK NEELAM	
2022023	GAJBHIYE ARPITA KISHOR	
2022024	GHUGAL RUSHALI GHANSHYAM	

Coordinator

2022025	GUJWAR KHUSHBU PURANSINGH	
2022026	HAKIM SHAFIN RAFIYODDIN	
2022027	HIWARKAR RAUNAK KRISHNA	
2022028	INGOLE NIKITA BANDU	
2022029	ISHWARKAR KANIKA YOGRAJ	
2022030	JAITWAR KAJAL RATANLAL	
2022031	JAMBHULKAR KALSHIKA SUDESH	
2022032	JIWANE GRECY CHANDU	
2022033	JOSHI ARYAN SHRIPAD	
2022034	KADAMDHAD MAYUR YOGESHWAR	
2022035	KALAMKAR SHRAVANI MADHUKAR	
2022036	KALE GAURI ATUL	
2022037	KAMBE ARPIT AVINASH	
2022038	KAMBLE KOMAL SANJAY	
2022039	KELAPURE SAI PRIYA RAMCHANDRA	
2022040	KAWADE KHUSHI RAJU	
2022041	KOTHALKAR AWANTI SAHEBRAO	
2022042	KULTHE SNEHA PAWAN	
2022043	KUTHE HEMAKSHI MAHESHKUMAR	
2022044	KHOT SAMIKSHA GHANSHYAM	
2022045	LOMSOGE SAYUKTA PRASHANT	
2022046	MADAN MOKSHITA HARISH	
2022047	MALEWAR SOUMYA SUNIL	
2022048	MANKAR MAITREYEE KISHOR	
2022049	MARASKOLHE NETRA PRADEEPKUMAR	
2022050	MASKE AKANKSHA RAJENDRA	
2022051	MATE SHREYA SUDHAKAR	
2022052	MESHRAM DIVYANI EKNATH	

2022053	MORE DHANASHREE DEEPAK	
2022054	NAIKWADE AASAWARI PRABHANJAN	
2022055	PANDEY DURGESH GOKUL	
2022056	PANDEY ISHIKA AMARNATH	
2022057	PANDEY VISHAKHA SURENDRA	
2022058	PATHADE SARTHAK RAJENRA	
2022059	PAUL TANUSHREE KUMARESH	
2022060	PAWADE PRADNYA PURUSHOTTAM	
2022061	POUNIKAR SAKSHI ROSHAN	
2022062	RAKSHAK YUGANT LAXMAN	
2022063	RAMTEKE ISHITA CHANDRASHEKHAR	
2022064	RAUT NEHA BABURAO	
2022065	RAUT SANIKA DILIP	
2022066	RAUT SALONI GIRISH	
2022067	ROHANKAR RIYA MUKESH	
2022068	ANDRASKAR AARTI LAXMAN	
2022069	BAGHEL AARTI OMSHAKAR	
2022070	BOMBARDE SHREYAL VIJAY	
2022071	BHONGDE KUNALI SATISH	
2022072	CHOUDHARI NANDINI DINKAR	
2022073	DHARMIK DEVASHREE BHAURAO	
2022074	DHOKE SANJANA ANKUSH	
2022075	DHUDSE ADITYA RITESH	
2022076	RAUT MOHINI MANOHAR	
2022077	SAWARKAR SWAYAM KISHOR	
2022078	UIKEY KRITIKA YOGESH	
2022079	WAHALE PRESHIT RAJESH	
2022080	WANKHEDE SNEHAL SANJAY	

2022081	WANKAR NANDINI LAXMAN	
2022082	GAWANDE NIDHI NARENDRA	
2022083	KAMBLE SAYALI CHANDRAPAL	
2022084	KUMBHARE VIVEK BALKRUSHNA	
2022085	LONARKAR NANHAVI PRAMOD	

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

Attendance

Theory / Practical Demonstration/ Final Exam		①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬
Roll No.	Name of Students													
2022001	ANASANE VAIDEHI GANESH	P	P	-	-	P	P	P	P	-	P	P	P	P
2022002	AMBOLE TRUPTI DNYANESHWAR	P	-	P	P	P	P	P	P	P	P			P
2022003	ATILKAR PRANAY DNANESHWAR	P	-	P	-	P	P	P	P	P	P	P	P	P
2022004	SAGDE YASHIKA PRAMOD	P	P	P		P	P	P	P	P	P	P	-	P
2022005	BANSOD SAMYAK DNYANESHWATR	P	P	P	P	P	P	P	P	P	P	P	P	P
2022006	BARDE VISHA PRAKASH	P	P	P	P	P	P	-	P	P	P	P	P	P
2022007	BARADKAR ASHWINI UMESH	P	-	P	P	P	P	P	P	P	P	P	P	P
2022008	BHOYAR HEMAD AJAY	P	P	P	P	-	P	P	P	P	P	P	P	P
2022009	BHUSHANKAR MRUNALI NARESH	P	P	-	-	P	P	P	-	P	P	P	P	P
2022010	BISEN KAJAL DEBLAL	P	P	P	P	P	P	P	P	P	P	P	P	P
2022011	BOLE ACHAL ANOOP	P	P	P	P	P	P	P	P	P	P	P	-	P
2022012	BONDE SHRUTI VINOD	P	P	P	P	P	P	P	P	P	-	P	P	P
2022013	BONDRE TATHI KUSUMKAR	P	P	-	P	P	P	P	P	P	P	P	P	P
2022014	BORKAR DUSHANT RUSHI	P	P	P	P	P	P	P	P	P	P	P	P	P
2022015	BRAHMANKAR SMRUTI SANJAY	P	-	P	P	P	P	-	P	P	P	P	P	P
2022016	CHAUDHARI BHARVI VIKAS	P	-	P	-	P	P	P	P	P	P	P	P	P
2022017	CHAVHAN AYUSH DILIP	P	P	P	-	P	P	P	P	P	P	P	P	P
2022018	CHIKHALKAR HARSHADA WASUDEV	-	P	P	P	-	-	P	P	-	P	P	P	P
2022019	DALVI CHETNA KAILAS	P	P	P	P	P	P	P	P	P	P	P	P	-
2022020	DHOBE RIYA SATISH	P	P	P	P	P	P	P	P	P	P	P	P	P

Course Coordinator
S.S.E.S.A.'s Science College, Nagpur

Roll No.	Name of Students	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬
2022021	DHORE PARISA PRAMOD	P	P	P	P	P	P	P	P	P	P	P	P	P
2022022	DONGRE MAHAK NEELAM	P	P	P	P	P	-	P	P	P	P	P	P	P
2022023	GAJBHIYE ARPITA KISHOR	-	P	P	P	P	P	P	P	P	-	P	P	P
2022024	GHUGAL MUSHALI GHANSHYAM	P	P	P	P	P	P	P	P	P	P	P	P	P
2022025	GILLWAR KHUSHBU PURANSINGH	P	P	P	P	-	P	P	P	P	P	P	P	P
2022026	HAKIM SHAFIN RAFFYODDIN	P	P	-	P	P	P	P	P	P	P	P	P	P
2022027	HIWARKAR RAGINAK KRISHNA	P	P	P	P	-	P	P	P	P	P	P	P	P
2022028	INGOLE NIKITA BANDU	P	P	P	P	P	P	P	-	P	P	P	P	P
2022029	ISHWARKAR KAMIKA YOGIRAJ	P	P	P	P	-	P	P	P	P	-	P	P	P
2022030	JAITWAR KAJAL RATANLAL	P	P	P	P	P	P	P	P	P	P	-	-	P
2022031	JAMBHULKAR KALSHIKA SUDESH	P	P	P	P	P	P	P	P	P	P	P	P	P
2022032	JIWANE GREEY CHANDU	P	P	P	-	P	P	P	P	-	P	P	P	P
2022033	JOSHI ARYAN SHRIPAD	-	P	P	P	-	P	P	P	P	P	P	P	P
2022034	KADAMOHAD MAYUR YOGESHWAR	P	P	P	P	P	P	P	P	P	P	P	-	-
2022035	KALAMKAR SHRAVANI MADHUKAR	P	P	P	P	P	P	P	-	P	P	P	-	P
2022036	KALE GAURI ATLE	P	P	P	P	P	-	P	P	P	P	P	P	P
2022037	KAMBE ARPIT AVINASH	P	P	P	P	P	P	-	P	P	P	-	P	P
2022038	KAMBLE KOMAL SANJAY	P	P	P	P	-	P	P	-	P	P	P	P	P
2022039	KELAPURE SAI PRIYA RAMCHANDRA	P	P	P	P	P	P	-	P	P	P	P	-	P
2022040	KAWADE KHUSHI RAJU	P	P	P	-	P	P	P	P	P	P	-	P	P
2022041	KOTHALKAR AWANTI SAHEBRAO	P	P	P	P	P	P	P	P	P	-	P	-	-
2022042	KULTHE SNEHA PAWAN	P	P	P	P	-	P	P	P	P	P	-	P	P
2022043	KUTHE HEMAKSHI MAHESHKUMAR	P	P	P	P	P	P	-	-	P	P	P	P	P
2022044	KHOT SAMIKSHA GHANSHYAM	P	P	P	P	-	P	P	P	P	P	-	P	P
2022045	LOMBOGE SAYUKTA PRASHANT	P	P	P	P	P	P	P	P	P	P	P	P	P
2022046	MADAN MOKSHTA HARISH	P	P	P	P	-	P	P	P	P	P	P	P	P
2022047	MALEWAR SOUMYA SUNIL	P	P	P	P	P	P	-	P	P	P	-	P	P
2022048	MANKAR MAITREYEE KISHOR	P	P	P	P	P	P	P	-	-	P	P	P	P
2022049	MARASKOLHE NETRA PRADEEPKUMAR	-	-	-	-	P	P	P	-	-	P	-	P	P
2022050	MASKE AKANKSHA RAJENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P
2022051	MATE SHREYA SUDHAKAR	P	P	-	P	P	P	P	P	P	P	-	P	-
2022052	MESHRAM DIVYAM EKNATH	P	-	P	P	-	-	P	P	P	P	P	P	P
2022053	MORE DHANASHREE DEEPAK	P	P	P	P	P	P	P	P	P	P	-	P	P

Course Coordinator
S.E.S.A.'s Science College, Nagpur

Shri Shivaji Education Society Amravati's
Science College, Nagpur
Department of Chemistry
Certificate Course – Integrating Excel into Chemical Analysis
Attendance

Theory / Practical Demonstation/ Final Exam		⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	㉕	㉖
Roll No.	Name of Students	16/9/22	17/9/22	22/9/22	25/9/22	24/9/22	29/9/22	30/9/22	01/10/22	03/10/22	06/10/22	07/10/22	08/10/22	13/10/22
2022001	ANASANE VAIDEHI GANESH	P	P	P	P	P	P	P	P	P	P	P	P	P
2022002	AMBOLE TRUPTI DNYANESHWAR	·	+	P	P	·	P	P	P	P	P	P	·	·
2022003	ATILKAR PRANAY DNANESWHAR	P	P	P	·	P	P	P	P	P	P	P	P	P
2022004	BAGDE YASHIKA PRAMOD	P	P	P	P	P	·	P	P	P	P	P	P	P
2022005	BANSOD SAMYAK DNYANESWATR	·	P	P	P	P	P	P	·	P	P	P	P	P
2022006	BARDE VISHA PRAKASH	P	P	P	P	P	P	P	P	·	·	P	P	P
2022007	BARASKAR ASHWINI UMESH	P	P	P	P	·	P	P	P	P	P	·	·	P
2022008	BHOYAR HEMAD AJAY	P	P	P	P	P	P	·	·	P	P	P	P	P
2022009	BHUSHANKAR MRUNALI NARESH	P	P	P	·	·	P	P	P	P	P	P	P	·
2022010	BISEN KAJAL DEBLAL	P	P	P	P	P	P	·	P	P	P	P	·	·
2022011	BOLE ACHAL ANOOP	P	P	P	·	P	P	P	P	·	·	P	P	P
2022012	BONDE SHRUTI VINOD	P	P	P	P	P	P	P	P	P	P	·	·	P
2022013	BONDRE TATHI KUSUMKAR	P	P	P	P	P	P	·	·	P	P	P	·	P
2022014	BORKAR DUSHANT RUSHI	P	P	·	P	·	P	P	P	P	P	P	·	P
2022015	BRAHMANKAR SMRUTI SANJAY	P	·	P	P	P	·	P	P	P	P	P	P	P
2022016	CHAUDHARI BHARVI VIKAS	P	P	P	P	P	P	P	P	P	P	P	P	P
2022017	CHAVHAN AYUSH DILIP	P	·	P	P	P	P	P	P	P	P	P	P	P
2022018	CHIKHALKAR HARSHADA WASUDEV	P	P	P	P	P	P	P	P	·	P	P	P	P
2022019	DALVI CHETNA KAILAS	·	P	P	P	P	P	P	P	P	P	P	P	P
2022020	DHOBE RIYA SATISH	P	P	P	P	P	P	·	P	P	P	P	P	P

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Nagpur

2022054	NAIKWADE AASAWARI PRABHANJAN	P	P	P	P	P	P	P	P	·	P	P	P	P
2022055	PANDEY DURGESH GOKUL	·	P	P	·	P	P	P	P	P	P	P	P	P
2022056	PANDEY ISHIKA AMARNATH	P	P	P	P	P	P	P	P	P	P	P	P	P
2022057	PANDEY VISHAKHA SURENDRA	·	·	P	P	P	P	P	P	P	P	·	P	P
2022058	PATHADE SARTHAK RAJENRA				P	P	P	P	P	P	P	P	P	P
2022059	PAUL TANUSHREE KUMARESH	P	P	P	P	P	P	P	P	·	P	P	P	P
2022060	PAWADE PRADNYA PURUSHOTTAM	·	P	P	P	P	P	P	P	P	P	P	P	P
2022061	POUNIKAR SAKSHI ROSHAN	P	P	P	P	P	P	P	P	P	P	P	P	P
2022062	RAKSHAK YUGANT LAXMAN	P	P	P	P	P	P	P	P	P	·	P	·	P
2022063	RAMTEKE ISHITA CHANDRASHEKHAR	P	P	P	·	P	P	P	P	·	P	P	P	P
2022064	RAUT NEHA BABURAO	P	P	P	·	P	P	P	P	P	P	P	P	·
2022065	RAUT SANIKA DILIP	P	P	P	P	P	·	P	P	P	·	P	P	·
2022066	RAUT SALONI GIRISH	·	·	·		P	·	P						P
2022067	ROHANKAR RIYA MUKESH	P	P	P	·	P	P	P	·	P	P	P	P	·
2022068	ANDRASKAR AARTI LAXMAN	P	P	P	P	P	P	P	P	·	P	P	P	P
2022069	BAGHEL AARTI OMSHAKAR	·	+	P	P	P	P	P	P	P	·	P	P	P
2022070	BOMBARDE SHREYAL VIJAY	P	P	P	P	P	P	P	P	P	·	P	·	·
2022071	BHONGDE KUNALI SATISH	P	P	P	P	P	P	P	P	P	P	P	·	P
2022072	CHOUDHARI NANDINI DINKAR	P	P	P	·	P	P	P	P	P	P	P	P	P
2022073	DHARMIK DEVASHREE BHAURAO	P	P	P	P	P	·			P	P	P	P	P
2022074	DHOKE SANJANA ANKUSH	P	P	P	P	P	P	P	P	P	·	·	P	P
2022075	DHUDSE ADITYA RITESH	P	P	P	P	·	P	P	P	P	P	P	P	·
2022076	RAUT MOHINI MANOHAR	P	P	P	P	P	P	P	·	P	P	P	P	·
2022077	SAWARKAR SWAYAM KISHOR	P	P	P	P	P	P	P	P	·	P	P	P	P
2022078	UIKEY KRITIKA YOGESH	·	·	P	P	P	P	P	P	P	P	P	P	P
2022079	WAHALE PRESHIT RAJESH	P	P	P	P	·	P	P	·	P	P	P	P	P
2022080	WANKHEDE SNEHAL SANJAY	P	P	P	·	P	P	P	P	P	·	P	P	P
2022081	WANKAR NANDINI LAXMAN	P	P	P	P	·	P	P	·	P	P	P	P	P
2022082	GAWANDE NIDHI NARENDRA	P	P	P	P	P	P	P	P	·	·	P	P	P
2022083	KAMBLE SAYALI CHANDRAPAL	P	P	P	P		P	P	P	P	P	P	·	·
2022084	KUMBHARE VIVEK BALKRUSHNA	P	P	P	P	P	P	P	·	·	P	P	P	P
2022085	LONARKAR NANHAVI PRAMOD	P	·	P	P	P	·	P	P	P	P	P	P	P

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

Roll No	Name												
2022021	DHORE PARISA PRAMOD	P	P	P	P	P	P	P	·	P	P	P	·	P
2022022	DONGRE MAHAK NEELAM	P	P	P	·	P	P	P	P	P	P	P	·	P
2022023	GAJBHIYE ARPITA KISHOR	P	P	P	P	·	P	P	P	P	P	P	P	P
2022024	GHUGAL RUSHALI GHANSHYAM	·	P	P	P	P	·	P	P	P	P	P	P	P
2022025	GUJWAR KHUSHBU PURANSINGH	P	P	P	P	P	P	·	P	P	P	P	P	·
2022026	HAKIM SHAFIN RAFIYODDIN	P	P	P	P	P	P	P	·	P	P	·	P	P
2022027	HIWARKAR RAUNAK KRISHNA	P	P	P	P	P	P	·	P	P	P	P	P	P
2022028	INGOLE NIKITA BANDU	P	P	P	P	P	·	P	P	P	P	P	P	P
2022029	ISHWARKAR KANIKA YOGRAJ	P	P	P	·	·	P	P	P	P	P	P	P	P
2022030	JAITWAR KAJAL RATANLAL	·	P	P	P	P	·	P	P	P	P	P	P	P
2022031	JAMBHULKAR KALSHIKA SUDESH	P	P	P	P	P	P	P	P	P	P	P	P	P
2022032	JIWANE GRECY CHANDU	·	·	P	P	P	P	P	P	·	P	P	P	P
2022033	JOSHI ARYAN SHRIPAD	P	P	P	P	P	P	P	P	P	P	P	P	P
2022034	KADAMDHAD MAYUR YOGESHWAR	P	P	·	P	P	P	P	P	P	P	P	·	P
2022035	KALAMKAR SHRAVANI MADHUKAR	P	P	P	P	P	P	P	P	·	P	P	P	P
2022036	KALE GAURI ATUL	P	P	P	P	P	P	P	P	P	P	P	P	·
2022037	KAMBE ARPIT AVINASH	P	·	·	P	P	P	P	P	P	P	P	P	P
2022038	KAMBLE KOMAL SANJAY	P	P	P	P	P	·	P	P	P	P	P	P	P
2022039	KELAPURE SAI PRIYA RAMCHANDRA	·	P	P	P	P	P	P	P	P	P	P	P	P
2022040	KAWADE KHUSHI RAJU	P	P	P	P	P	P	P	P	P	P	P	P	P
2022041	KOTHALKAR AWANTI SAHEBRAO	P	P	P	P	·	P	P	P	P	·	·	P	
2022042	KULTHE SNEHA PAWAN	P	P	P	P	P	P	P	P	P	P	P	·	P
2022043	KUTHE HEMAKSHI MAHESHKUMAR	P	P	P	P	P	P	P	P	P	·	P	P	P
2022044	KHOT SAMIKSHA GHANSHYAM	P	P	P	P	P	P	P	P	P	P	P	P	P
2022045	LOMSOGE SAYUKTA PRASHANT	P	·	P	P	P	P	·	P	P	P	P	P	P
2022046	MADAN MOKSHITA HARISH	P	P	P	P	P	·	P	P	·	P	P	P	P
2022047	MALEWAR SOUMYA SUNIL	P	P	P	P	P	P	·	·	P	P	P	P	P
2022048	MANKAR MAITREYEE KISHOR	·	P	P	P	P	P	P	P	P	P	P	·	P
2022049	MARASKOLHE NETRA PRADEEPKUMAR	P	·	·	·	P	·	·	P	P	·			P
2022050	MASKE AKANKSHA RAJENDRA	P	P	P	P	P	P	P	P	·	P	P	P	P
2022051	MATE SHREYA SUDHAKAR	P	P	P	P	P	P	P	P	P	P	·	P	·
2022052	MESHRAM DIVYANI EKNATH	P	·	P	P	·	P	P	P	P	P	P	P	P
2022053	MORE DHANASHREE DEEPAK	P	P	P	P	P	·	·	P	P	P	P	P	P

Roll No	Name													
2022054	NAIKWADE AASAWARI PRABHANJAN	P	P	P	P	P	P	P	P	P	P	P	P	·
2022055	PANDEY DURGESH GOKUL	P	P	P	P	P	·	P	P	P	P	P	P	P
2022056	PANDEY ISHIKA AMARNATH	·	P	P	P	·	P	P	P	P	P	P	P	P
2022057	PANDEY VISHAKHA SURENDRA	P	P	P	P	P	P	P	P	P	P	·	·	·
2022058	PATHADE SARTHAK RAJENRA													
2022059	PAUL TANUSHREE KUMARESH	P	P	P	P	P	P	P	P	P	P	P	P	P
2022060	PAWADE PRADNYA PURUSHOTTAM	P	P	P	P	P	·	P	P	P	P	P	·	P
2022061	POUNIKAR SAKSHI ROSHAN	P	P	P	P	P	P	P	P	P	P	P	P	·
2022062	RAKSHAK YUGANT LAXMAN	P	P	P	P	P	P	P	P	P	P	P	P	P
2022063	RAMTEKE ISHITA CHANDRASHEKHAR	P	P	P	P	P	P	P	P	P	P	P	P	·
2022064	RAUT NEHA BABURAO	P	P	P	P	P	P	P	P	P	P	P	P	P
2022065	RAUT SANIKA DILIP	P	P	·	P	P	P	P	·	P	P	P	P	P
2022066	RAUT SALONI GIRISH	·	·	·	·	·	·	·	P	·	·	·	·	·
2022067	ROHANKAR RIYA MUKESH	P	P	P	P	P	P	P	P	·	·	P	P	P
2022068	ANDRASKAR AARTI LAXMAN	P	P	P	P	P	P	P	P	P	P	·	·	P
2022069	BAGHEL AARTI OMSHAKAR	·	P	P	P	P	·	P	P	P	P	P	P	P
2022070	BOMBARDE SHREYAL VIJAY	P	P	P	P	P	P	P	P	·	P	P	P	·
2022071	BHONGDE KUNALI SATISH	·	·	P	P	P	P	P	P	·	P	P	P	·
2022072	CHOUDHARI NANDINI DINKAR	P	P	P	P	P	·	·	P	P	P	P	·	P
2022073	DHARMIK DEVASHREE BHAURAO	P	P	P	P	P	P	P	P	P	P	P	P	P
2022074	DHOKE SANJANA ANKUSH	P	P	P	P	P	P	P	P	P	P	P	P	P
2022075	DHUDSE ADITYA RITESH	P	P	P	P	P	P	·	P	P	P	P	·	·
2022076	RAUT MOHINI MANOHAR	P	P	P	P	P	P	P	P	P	·	P	P	·
2022077	SAWARKAR SWAYAM KISHOR	P	P	P	P	P	·	P	P	P	P	P	P	P
2022078	UIKEY KRITIKA YOGESH	P	P	P	P	P	P	P	P	·	P	P	P	·
2022079	WAHALE PRESHIT RAJESH	·	P	P	P	·	P	P	P	P	P	P	P	·
2022080	WANKHEDE SNEHAL SANJAY	P	P	P	P	P	P	P	P	P	P	·	·	P
2022081	WANKAR NANDINI LAXMAN	P	P	P	P	P	P	P	P	P	P	P	P	P
2022082	GAWANDE NIDHI NARENDRA	·	P	P	·	P	P	P	P	P	P	·	P	P
2022083	KAMBLE SAYALI CHANDRAPAL	P	P	P	P	P	P	·	P	P	·	·	P	P
2022084	KUMBHARE VIVEK BALKRUSHNA	P	P	P	·	P	P	P	P	P	P	P	P	·
2022085	LONARKAR NANHAVI PRAMOD	P	P	P	P	·	P	P	P	P	P	P	P	

Shri Shivaji Education Society Amravati's
Science College, Nagpur
Department of Chemistry
Certificate Course – Integrating Excel into Chemical Analysis
Attendance

Theory / Practical Demonstation/ Final Exam		(27)	(28)	(29)	(30)		Examination							
Roll No.	Name of Students	26/10/22	15/10/22	18/10/22	19/10/22		22/10/22							
2022001	ANASANE VAIDEHI GANESH	P	P	P	•		P							
2022002	AMBOLE TRUPTI DNYANESHWAR	P	P	D	D		P							
2022003	ATILKAR PRANAY DNANESWHAR	P	P	P	D		P							
2022004	BAGDE YASHIKA PRAMOD	•	P	P	P		P							
2022005	BANSOD SAMYAK DNYANESWATR	P	P	P	•		P							
2022006	BARDE VISHA PRAKASH	P	P	•	P		P							
2022007	BARASKAR ASHWINI UMESH	P	P	P	•		P							
2022008	BHOYAR HEMAD AJAY	P	P	P	P		P							
2022009	BHUSHANKAR MRUNALI NARESH	P	P	•	P		P							
2022010	BISEN KAJAL DEBLAL	P	P	P	•		P							
2022011	BOLE ACHAL ANOOP	P	P	P	P		P							
2022012	BONDE SHRUTI VINOD	P	•	P	P		P							
2022013	BONDRE TATHI KUSUMKAR	P	P	P	P		P							
2022014	BORKAR DUSHANT RUSHI	P	•	P	P		P							
2022015	BRAHMANKAR SMRUTI SANJAY	P	P	•	P		P							
2022016	CHAUDHARI BHARVI VIKAS	•	P	P	P		P							
2022017	CHAVHAN AYUSH DILIP	P	•	P	P		P							
2022018	CHIKHALKAR HARSHADA WASUDEV	P	P	•	•		P							
2022019	DALVI CHETNA KAILAS	P	•	P	P		P							
2022020	DHOBE RIYA SATISH	•	P	P	•		P							

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Nagpur

Course Coordinator
S.S.E.S.A.'s Science College

Roll No.	Name of Students													
2022021	DHORE PARISA PRAMOD	•	P	P	P		P							
2022022	DONGRE MAHAK NEELAM	P	P	P	•		P							
2022023	GAJBHIYE ARPITA KISHOR	P	P	P	P	/	P							
2022024	GHUGAL RUSHALI GHANSHYAM	P	•	•	P		P							
2022025	GUJWAR KHUSHBU PURANSINGH	P	P	P	•		P							
2022026	HAKIM SHAFIN RAFIYODDIN	•	•	P	P		P							
2022027	HIWARKAR RAUNAK KRISHNA	P	P	P	•		P							
2022028	INGOLE NIKITA BANDU	•	P	P	•		P							
2022029	ISHWARKAR KANIKA YOGRAJ	P	P	P	P		P							
2022030	JAITWAR KAJAL RATANLAL	P	•	•	P		P							
2022031	JAMBHULKAR KALSHIKA SUDESH	P	P	P	P		P							
2022032	JIWANE GRECY CHANDU	P	•	P	•		P							
2022033	JOSHI ARYAN SHRIPAD	P	P	P	•		P							
2022034	KADAMDHAD MAYUR YOGESHWAR	•	P	P	P		P							
2022035	KALAMKAR SHRAVANI MADHUKAR	P	P	P	•		P							
2022036	KALE GAURI ATUL	•	P	P	P		P							
2022037	KAMBE ARPIT AVINASH	P	•	•	P		P							
2022038	KAMBLE KOMAL SANJAY	P	•	P	P		P							
2022039	KELAPURE SAI PRIYA RAMCHANDRA	P	P	P	•		P							
2022040	KAWADE KHUSHI RAJU	•	P	P	P		P							
2022041	KOTHALKAR AWANTI SAHEBRAO	P	P	•	P		P							
2022042	KULTHE SNEHA PAWAN	P	P	P	P		P							
2022043	KUTHE HEMAKSHI MAHESHKUMAR	•	P	P	P		P							
2022044	KHOT SAMIKSHA GHANSHYAM	P	•	P	P		P							
2022045	LOMSOGE SAYUKTA PRASHANT	P	P	P	•		P							
2022046	MADAN MOKSHITA HARISH	•	P	P	P		P							
2022047	MALEWAR SOUMYA SUNIL	P	P	•	P		P							
2022048	MANKAR MAITREYEE KISHOR	P	P	P	•		P							
2022049	MARASKOLHE NETRA PRADEEPKUMAR	•	•	•	•	•	A	•	•	•	•	•	•	•	•
2022050	MASKE AKANKSHA RAJENDRA	P	P	P	P		P							
2022051	MATE SHREYA SUDHAKAR	•	•	P	P		P							
2022052	MESHRAM DIVYANI EKNATH	•	P	P	P		P							
2022053	MORE DHANASHREE DEEPAK	P	•	P	P		P							

Course Coordinator
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Roll No	Name																
22054	NAIKWADE AASAWARI PRABHANJAN																
2022055	PANDEY DURGESH GOKUL	P	P	P	D		P										
2022056	PANDEY ISHIKA AMARNATH	•	D	P	P		P										
2022057	PANDEY VISHAKHA SURENDRA	P	P	•	P		P										
2022058	PATHADE SARTHAK RAJENRA	P	D	P	•		P										
2022059	PAUL TANUSHREE KUMARESH						P										
2022060	PAWADE PRADNYA PURUSHOTTAM	P	P	P	P		P										
2022061	POUNIKAR SAKSHI ROSHAN	•	D	P	P		P										
2022062	RAKSHAK YUGANT LAXMAN	P	P	•	P		P										
2022063	RAMTEKE ISHITA CHANDRASHEKHAR	P	D	P	•		P										
2022064	RAUT NEHA BABURAO	D	•	P	P		P										
2022065	RAUT SANIKA DILIP	P	P	•	D		P										
2022066	RAUT SALONI GIRISH	D	D	P	P		P										
2022067	ROHANKAR RIYA MUKESH	•	•	•	•	•	PP	•	•	•	P	•	•	•			
2022068	ANDRASKAR AARTI LAXMAN	P	D	P	P		P										
2022069	BAGHEL AARTI OMSHAKAR	•	D	P	•		P										
2022070	BOMBARDE SHREYAL VIJAY	P	•	•	P		P										
2022071	BHONGDE KUNALI SATISH	P	P	P	•		P										
2022072	CHOUDHARI NANDINI DINKAR	P	P	P	P		P										
2022073	DHARMIK DEVASHREE BHAURAO	•	D	P	P		P										
2022074	DHOKE SANJANA ANKUSH	P	P	•	P		P										
2022075	DHUDSE ADITYA RITESH	P	P	P	•		P										
2022076	RAUT MOHINI MANOHAR	•	P	P	P		P										
2022077	SAWARKAR SWAYAM KISHOR	P	P	P	•		P										
2022078	UIKEY KRITIKA YOGESH	P	D	•	P		P										
2022079	WAHALE PRESHIT RAJESH	•	P	P	P		P										
2022080	WANKHEDE SNEHAL SANJAY	P	•	D	P		P										
2022081	WANKAR NANDINI LAXMAN	P	P	D	•		P										
2022082	GAWANDE NIDHI NARENDRA	P	•	P	P		P										
2022083	KAMBLE SAYALI CHANDRAPAL	P	P	•	P		P										
2022084	KUMBHARE VIVEK BALKRUSHNA	P	P	P	P		P										
2022085	LONARKAR NANHAVI PRAMOD	P	•	P	P		P										

Course Coordinator
S.E.S.A.'s Science College
Nagpur

Action Taken and Feedback On Certificate Course - Integrating Excel into Chemical Analysis

The course was conducted from 18/08/2022 to 19/10/2022, with lectures held every Thursday, Friday, and Saturday. The final examination was held on 22/10/2022, in Room C10 at 3:00 PM. Dr. Sarang Dhote coordinated the course, which took place in the Chemistry Department. Out of 85 admitted students, 83 successfully completed the course.

Action Taken

The "Integrating Excel into Chemical Analysis" course provided participants with essential Excel skills tailored for chemical data analysis. The high completion rate reflects the course's effectiveness in equipping students with valuable analytical tools applicable in their professional and academic endeavors.

Feedback

Que. 1 How would you rate the overall quality of the Certificate Course - Integrating Excel into Chemical Analysis

A. Excellent, 79

Que. 2 How well did the Certificate Course - Integrating Excel into Chemical Analysiscontent meet your expectations?

A. Exceeded expecta... 80
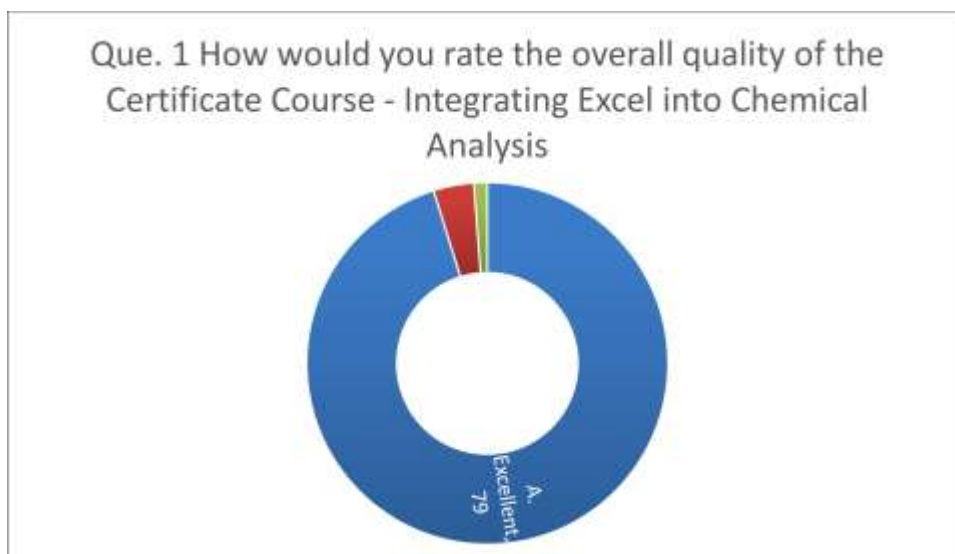
Que. 3 How effective were the course instructors in delivering the Certificate Course - Integrating Excel into Chemical Analysis

A. Very effective, 80
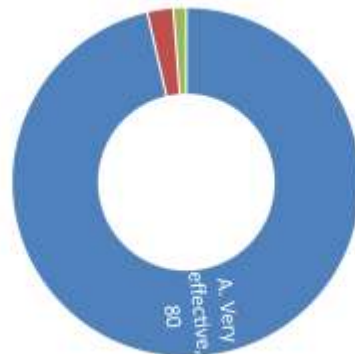
Que. 4 How likely are you to recommend the Certificate Course - Integrating Excel into Chemical Analysisto others?

B. Likely, 5

A. Very likely, 77
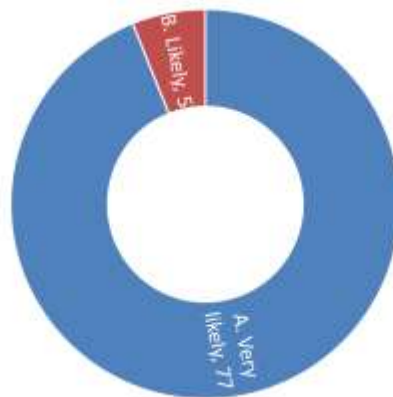
Que. 5. How satisfied are you with the practical sessions of the Certificate Course - Integrating Excel into Chemical Analysis
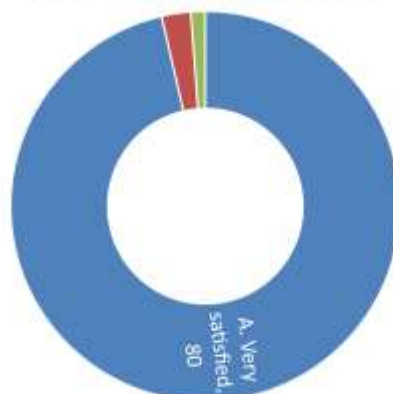
A. Very satisfied, 80

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College with Potential for Excellence, Member of APQN Recognized Center for Higher Learning
A Mentor College Under the UGC Paramarsh Scheme

Chemistry Department

Notice

To All Students of the Certificate Course: Integrating Excel into Chemical Analysis

This is to inform you that the theory examination for the "Integrating Excel into Chemical Analysis" course will be conducted as per the following details:

- **Date:** 22/10/2022
- **Time:** 3:00 PM
- **Venue:** Room C10

All students are required to be present at the specified venue 15 minutes before the exam time. Please ensure you bring all necessary materials and your student ID card.

For any further queries, please contact the course coordinator, Dr. Sarang S. Dhote.

Thank you.

Course Coordinator
Dr. Sarang S. Dhote
Chemistry Department
Shivaji Science College

Sample Question Paper

Shri Shivaji Education Society Amravati's

Science College, Nagpur

CERTIFICATE COURSE - INTEGRATING EXCEL INTO CHEMICAL ANALYSIS THEORY EXAM

Max. Marks - 50	Marks Obtained -

Roll No.	Sign of Invigilator

Note – Each Question Carry 2 Marks. All Questions Are Compulsory

1. Which Excel feature allows you to customize the layout and appearance of your workspace?

A. Data Validation

B. Conditional Formatting

C. Excel Interface Customization

D. PivotTable

2. What is the primary purpose of using formulas in Excel?

A. To create charts

B. To perform calculations

C. To filter data

D. To sort data

3. Which function is used to calculate the average of a range of cells in Excel?

A. SUM

B. AVERAGE

C. MEDIAN

D. MODE

4. How can you remove duplicate entries from a dataset in Excel?

A. Using the Filter tool

B. Using the Data Validation tool

C. Using the Remove Duplicates feature

D. Using Conditional Formatting

5. Which of the following is NOT a descriptive statistic?

A. Mean

B. Median

C. Standard Deviation

D. PivotTable

6. Which Excel feature highlights important data points and trends?

A. PivotTable

B. Conditional Formatting

C. Data Validation

D. Solver

7. Which function checks if all conditions in a statement are TRUE?

A. IF

B. AND

C. OR

D. NOT

8. What is the purpose of the CORREL function in Excel?

A. To calculate the sum of a range

B. To find the correlation between two datasets

C. To filter data

D. To validate data

9. What does data validation in Excel help to achieve?

A. Sorting data

B. Ensuring data integrity

C. Creating charts

D. Removing duplicates

10. Which tool is used to summarize data in Excel?

A. Chart Wizard

B. Solver

C. PivotTable

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11. Which chart type is most suitable for showing trends over time?

A. Pie Chart

B. Line Chart

C. Bar Chart

D. Scatter Plot

12. What is the purpose of adding error bars to a chart in Excel?

A. To highlight data points

B. To display data variations

C. To create a legend

D. To filter data

13. What is a PivotChart used for?

A. Summarizing data in tabular form

B. Creating dynamic visualizations

C. Highlighting data trends

D. Validating data entries

14. Which of the following is a type of trend line that can be added to an Excel chart?

A. Linear

B. Exponential

C. Polynomial

D. All of the above

15. Which feature allows you to dynamically adjust the data range in a chart?

A. Slicers

B. Data Validation

C. PivotTable

D. Chart Filters

16. Which statistical method is used for analysing the relationship between two variables?

A. Sorting

B. Filtering

C. Regression Analysis

D. Conditional Formatting

17. What type of analysis involves fitting a model to data points to make predictions?

A. Descriptive Statistics

B. Regression Analysis

C. Data Validation

D. Charting

18. Which Excel tool can be used to simulate chemical reaction processes?

A. Solver

B. PivotTable

C. Conditional Formatting

D. Data Validation

19. What is the benefit of using Excel for generating chemical analysis reports?

A. It can store large datasets

B. It provides statistical analysis tools

C. It offers visualization options

D. All of the above

20. Which feature in Excel can help model chemical kinetics?

A. Solver

B. PivotTable

C. Chart Wizard

D. Data Validation

21. What is the first step in preparing a dataset for analysis in Excel?

A. Creating charts

B. Data cleaning

C. Running regression analysis

D. Applying conditional formatting

22. Which Excel function can be used to calculate the correlation between two chemical variables?

A. CORREL

B. SUM

C. AVERAGE

D. IF

23. Which of the following is used to create dynamic and interactive data summaries?

A. Scatter Plot

B. PivotTable

C. Line Chart

D. Histogram

Answer: B

24. How can Excel help in chemical data visualization?

A. By creating various types of charts and graphs

B. By performing data validation

C. By sorting and filtering data

D. By using conditional formatting

25. Which Excel feature allows you to simulate and analyze complex chemical reactions?

A. PivotTable

B. Conditional Formatting

C. Solver

D. Chart Wizard

Answer Key

1. Answer: C
2. Answer: B
3. Answer: B
4. Answer: C
5. Answer: D
6. Answer: B
7. Answer: B
8. Answer: B
9. Answer: B
10. Answer: C
11. Answer: B
12. Answer: B
13. Answer: B
14. Answer: D
15. Answer: D
16. Answer: C
17. Answer: B
18. Answer: A
19. Answer: D
20. Answer: A
21. Answer: B
22. Answer: A
23. Answer: B
24. Answer: A
25. Answer: C

One Solved Question Paper

Science College, Nagpur

CERTIFICATE COURSE - INTEGRATING EXCEL INTO CHEMICAL ANALYSIS

THEORY EXAM

Max. Marks - 50	Marks Obtained - 42/50
Roll No. 202207	Sign of Invigilator

Note – Each Question Carry 2 Marks. All Questions Are Compulsory

1. Which Excel feature allows you to customize the layout and appearance of your workspace?

A. Data Validation

B. Conditional Formatting

C. Excel Interface Customization

D. Pivot Table

2. What is the primary purpose of using formulas in Excel?

A. To create charts

B. To perform calculations

C. To filter data

D. To sort data

3. Which function is used to calculate the average of a range of cells in Excel?

A. SUM

B. AVERAGE

C. MEDIAN

D. MODE

4. How can you remove duplicate entries from a dataset in Excel?

A. Using the Filter tool

B. Using the Data Validation tool

C. Using the Remove Duplicates feature

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Nagpur

D. Using Conditional Formatting

5. Which of the following is NOT a descriptive statistic?

A. Mean

B. Median

C. Standard Deviation

● PivotTable

6. Which Excel feature highlights important data points and trends?

A. PivotTable

● Conditional Formatting

C. Data Validation

D. Solver

Which function checks if all conditions in a statement are TRUE?

A. IF

B. AND

● OR

D. NOT

8. What is the purpose of the CORREL function in Excel?

A. To calculate the sum of a range

● To find the correlation between two datasets

C. To filter data

D. To validate data

9. What does data validation in Excel help to achieve?

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3 If

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A. Pivot Table

B. Conditional Formatting

● Solver

D. Chart Wizard

Mark list of Exam With Grade.

Shri Shivaji Education Society Amravati's
Science College, Nagpur
Department of Chemistry
Certificate Course – Integrating Excel into Chemical Analysis
Theory Exam Marklist

Roll No.	Name of Students	Theory Marks (Out of 50)	Percentage	Grade
2022001	ANASANE VAIDEHI GANESH	42	84	A+
2022002	AMBOLE TRUPTI DNYANESHWAR	46	92	A+
2022003	ATILKAR PRANAY DNANESWHAR	34	-68	B+
2022004	BAGDE YASHIKA PRAMOD	48	96	A+
2022005	BANSOD SAMYAK DNYANESWATR	40	80	A
2022006	BARDE VISHA PRAKASH	34	68	B+
2022007	BARASKAR ASHWINI UMESH	48	96	A+
2022008	BHOYAR HEMAD AJAY	34	68	B+
2022009	BHUSHANKAR MRUNALI NARESH	48	96	A+
2022010	BISEN KAJAL DEBLAL	34	68	B+
2022011	BOLE ACHAL ANOOP	32	64	B+
2022012	BONDE SHRUTI VINOD	32	64	B+
2022013	BONDRE TATHI KUSUMKAR	34	68	B+
2022014	BORKAR DUSHANT RUSHI	32	64	B+
2022015	BRAHMANKAR SMRUTI SANJAY	42	84	A+
2022016	CHAUDHARI BHARVI VIKAS	46	92	A+
2022017	CHAVHAN AYUSH DILIP	42	84	A+
2022018	CHIKHALKAR HARSHADA WASUDEV	46	92	A+
2022019	DALVI CHETNA KAILAS	34	68	B+
2022020	DHOBE RIYA SATISH	48	96	A+
2022021	DHORE PARISA PRAMOD	34	68	B+
2022022	DONGRE MAHAK NEELAM	48	96	A+
2022023	GAJBHIYE ARPITA KISHOR	34	68	B+
2022024	GHUGAL RUSHALI GHANSHYAM	34	68	B+
2022025	GUJWAR KHUSHBU PURANSINGH	30	60	B
2022026	HAKIM SHAFIN RAFIYODDIN	34	68	B+
2022027	HIWARKAR RAUNAK KRISHNA	34	68	B+
2022028	INGOLE NIKITA BANDU	46	92	A+
2022029	ISHWARKAR KANIKA YOGRAJ	32	64	B+
2022030	JAITWAR KAJAL RATANLAL	46	92	A+
2022031	JAMBHULKAR KALSHIKA SUDESH	34	68	B+
2022032	JIWANE GRECY CHANDU	30	60	B
2022033	JOSHI ARYAN SHRIPAD	46	92	A+
2022034	KADAMDHAD MAYUR YOGESHWAR	32	64	B+
2022035	KALAMKAR SHRAVANI MADHUKAR	46	92	A+
2022036	KALE GAURI ATUL	38	76	A
2022037	KAMBE ARPIT AVINASH	40	80	A
2022038	KAMBLE KOMAL SANJAY	32	54	B+
2022039	KELAPURE SAI PRIYA RAMCHANDRA	36	72	A
2022040	KAWADE KHUSHI RAJU	48	96	A+
2022041	KOTHALKAR AWANTI SAHEBRAO	42	94	A+

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2022042	KULTHE SNEHA PAWAN	38	76	A
2022043	KUTHE HEMAKSHI MAHESHKUMAR	32	64	B+
2022044	KHOT SAMIKSHA GHANSHYAM	32	64	B+
2022045	LOMSOGE SAYUKTA PRASHANT	40	80	A
2022046	MADAN MOKSHITA HARISH	44	88	A+
2022047	MALEWAR SOUMYA SUNIL	38	76	A
2022048	MANKAR MAITREYEE KISHOR	46	92	A+
2022049	MARASKOLHE NETRA PRADEEPKUMAR	Absent		
2022050	MASKE AKANKSHA RAJENDRA	48	96	A+
2022051	MATE SHREYA SUDHAKAR	38	76	A
2022052	MESHRAM DIVYANI EKNATH	32	64	B+
2022053	MORE DHANASHREE DEEPAK	46	92	A+
2022054	NAIKWADE AASAWARI PRABHANJAN	46	92	A+
2022055	PANDEY DURGESH GOKUL	34	68	B+
2022056	PANDEY ISHIKA AMARNATH	42	84	A+
2022057	PANDEY VISHAKHA SURENDRA	40	80	A
2022058	PATHADE SARTHAK RAJENRA	41	80	A
2022059	PAUL TANUSHREE KUMARESH	48	96	A+
2022060	PAWADE PRADNYA PURUSHOTTAM	48	96	A+
2022061	POUNIKAR SAKSHI ROSHAN	38	76	A
2022062	RAKSHAK YUGANT LAXMAN	32	64	B+
2022063	RAMTEKE ISHITA CHANDRASHEKHAR	46	92	A+
2022064	RAUT NEHA BABURAO	46	92	A+
2022065	RAUT SANIKA DILIP	34	68	B+
2022066	RAUT SALONI GIRISH	Absent		
2022067	ROHANKAR RIYA MUKESH	32	64	B+
2022068	ANDRASKAR AARTI LAXMAN	40	80	A
2022069	BAGHEL AARTI OMSHAKAR	34	68	B+
2022070	BOMBARDE SHREYAL VIJAY	36	72	A
2022071	BHONGDE KUNALI SATISH	46	92	A+
2022072	CHOUDHARI NANDINI DINKAR	44	88	A+
2022073	DHARMIK DEVASHREE BHAURAO	34	68	B+
2022074	DHOKE SANJANA ANKUSH	44	88	A+
2022075	DHUDSE ADITYA RITESH	36	72	A
2022076	RAUT MOHINI MANOHAR	36	72	A
2022077	SAWARKAR SWAYAM KISHOR	38	76	A
2022078	UIKEY KRITIKA YOGESH	44	88	A+
2022079	WAHALE PRESHIT RAJESH	48	96	A+
2022080	WANKHEDE SNEHAL SANJAY	30	60	B
2022081	WANKAR NANDINI LAXMAN	36	72	A
2022082	GAWANDE NIDHI NARENDRA	46	92	A+
2022083	KAMBLE SAYALI CHANDRAPAL	38	76	A
2022084	KUMBHARE VIVEK BALKRUSHNA	36	72	A
2022085	LONARKAR NANHAVI PRAMOD	38	76	A

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Congress Nagar, Nagpur - 440012
Accredited with a CGPA of 3.51 with 'A+' grade by NAAC
Bengaluru, A College with Potential for Excellence,
Member of APQN Recognized Center for Higher Learning
A Mentor College Under the UGC Paramarsh Scheme

Certificate

Ku Visha Prakash Barde is awarded a Certificate on successful completion of the course titled Certificate Course in Integrating Excel into Chemical Analysis conducte for 30 hours from 18/08/2022 to 22/10/2022 by the Chemistry Department of Shri Shivaji Education Society Amravati's Science College, Nagpur.

She has passed the Examination with B^+ Grade.

Date of Completion: 25/10/2022

Prof. M. P. Dhore
Principal
SSESA's Science College, Nagpur

Dr. Sarang S. Dhote
Course Co-ordinator
SSESA's Science College, Nagpur