YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD DEPARTMENT OF CHEMISTRY

Certificate Course in

CHEMICAL RISK MANAGEMENT

2022-23

INDEX

Sr. No.	About Course
1	Formation of Board of studies
2	PO and CO
3	Course Syllabus
4	Syllabus approved letter
. 5	Course structure
6	Notice of commencement
7	List of admitted students
8	Time table
9	Attendance
10. •	Result
11	Attainment
12	Sample of issued Certificates

Course Coordinator

Chavan College of Sold Karad # 400

Department of chemistry

Certificate course in "Chemical risk management"

Year 2022-23

Board of Studies (BOS)

Certificate Course in "Chemical risk management" is going to start in the department of Chemistry, Yashwantrao Chavan College of Science, Karad. Following committee is constituted for syllabus framing of the said course

Board of Studies (BOS) members

1.	Principal Dr. S. B. Kengar	Chairman
2.	Prof. Dr. S. H. Burungale	Head of The Department
3.	Dr. U. P. Lad	Course Coordinator

Coordinator

0

CHEMISTRY OF A Karad A Karad A

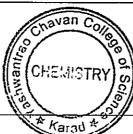
Yashwantrao Chavan College of Science, Karad

Department of Chemistry

Short term Course - Chemical risk management (2022-23)

Course Code	Short Term	Course:	Chemical risk management						
Prepared by	Dr. U. P. Lad		Date	2022-23					
Target Gro	oup: B.Sc. I								
	 Basic (10+2) know 	ledge of scienc	e faculty						
Pre-	1 • Good analytical skills								
requisites	Basic knowledge re	garding labora	tory conce	epts.					
Programm	e Outcomes								
At the end	of the course the students sl	ould be able to):						
PO1	To Demonstrate, solve and	an understandi	ng of con	cepts in the course.					
PO2	To improve thinking ability	critically, met	hodically,	independently and draw a logical conclusion.					
PO3	To inculcate the scientific t	emperament in	the stude	nts and outside the scientific community.					
PO4	To Create an awareness reg	arding the soci	al scientif	ic environment outside the curriculum.					
Course Ou									
	of the course the students sl	ould be able to):						
CO1	To analyse types of chemic	al hazards							
CO2	To Elucidate safety guidel	ines respect to	laboratory	practices.					
CO3	To Illustrate laboratory sa	fety inspection	reports.						
CO4	To aware regarding emerge	ncy in chemica	al acciden	ts.					
\wedge	·	. — — — — — — — — — — — — — — — — — — —							

Spordinator



lead
Department of Chemistry
Yashwantrao Chavan College of

Sciende, Karad

Year 2022-23

Syllabus Approved Letter

The IQAC Committee has approved the syllabus of the short-term course to be conducted by the Department of Chemistry.

Sr. NO.	Name of The Course	Type of the Course
1.	Chemical risk management	Short-term Course

Ordinator

Coordinator

Karad *

Co-ordinator.

of Science

Internal Gualby As

Yashwantrao Chavan College of Science

Karad

Department of Chemistry

Certificate course in "Chemical risk management"

Year 2022-23

1. Class : B.Sc. I

2. Duration of the course : 3 months

3. Syllabus : 3 Credit Point

(2 Credit Lecture and 1 Credit Practical)

4. Capacity : 20

5. No. Students Enrolled : 20

6. Theory Examination : Last week of February

7. Practical Examination : First Week of March

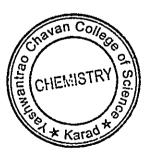
Course Co-ordinator

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD Department of Chemistry

Notice

Date: 08/11/2022

All the Students of the B. Sc. I are hereby informed that the Department of Chemistry is going to run a short-term course entitled as "Chemical risk management" Interested Candidates enrol their names to Dr. U. P. Lad (course Co-ordinator) on or before 30th November 2022.



Department of Chemistry

Short Term Course

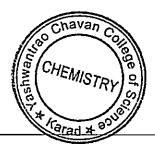
"Chemical risk management"

Year 2022-23

Name of the Enrolled Students

Roll. No.	Name of Student	Signature
191	KADAM SHUBHAM BHIMRAO	Seadown
192	KADAM TEJASHREE RAMKRUSHN	twee
193	KADAM YOGESH ANANDA	March
194	KALE ASHISH ANANDRAO	(Pshavan
195	KAMBLE TEJAS BAJERAO	Lawer
196	KHARADE YASH VIJAY	A STORY
197	KUMBHAR SHREYASH RAJENDRA	anes-
198	KUMBHAR SUPRIYA LAXMAN	Quenali
199	LADE YASHPAL SUNIL	P.N.Bhosale
200	LOHAR ANIKET HARIDAS	dadhul
201	LOHAR SOHAM SHIVDAS	Nkan
202	LOKARE SHUBHAM SURESH	Atupe
203	MADANE HARSHAD NAMDEV	18994/
204	MAHAMUNI VIKAS SURESH	@poday-
205	MANE ANIKET BABASO	Alchas
206	MANE MADHAVI GANESH	QÚ.
207	MANE PRASAD DATTATRAYA	Amankor
208	MANE PRATIK BALASO	西田.
209	MORE PALLAVI DIPAK	byadav
210	NALAVADE ABHISHEK SURESH	Same
211	NALAWADE ATUL DHARMRAJ	(Agt)
212	NALAWADE PRAJWAL SAYALI	
213	NALAWADE SAYALI SHANKAR	· Add.
214	PATIL MAYUR TUKARAM	(Bango ;
215	PATIL NANDKISHOR SUBHASH	(Juny .
216	PATIL OMKAR ANKUSH	But.

Coordinator



YASHWANTRAO CHAVAV COLLEGE OF SCIENCE, KARAD Department of Chemistry

Short Term Course

"Chemical risk management"

Year 2022-23

Theory Time Table

Dec. 2022 to Jan. 2023

Lect. time	Friday	Saturday
9.40 – 10.30	UPL	UPL

Gordinator

Department of Chemistry

Short Term Course - "Chemical risk management"

Year 2022-23

Attendance Feb-2023

Roll. No.	Name of Student	812	412	10/2	1112	17/2	18/2	24/2	25/2	27/2
191	Kadam Shubham Bhimrao	SkaolaM	Skadom	- Stadaw		Scadam	Shaday	Sladam	Scadaw	Sladam
192	Kadam Tejashree Ramkrushn	fruite	- Juile	truite	Frite	wife	Tienele	Tuile	muye	James
193	Kadam Yogesh Ananda	Kalam.	Ykalam	Ytalpas	#Keedem-	Thackim	Ysachm.	Alsadam	X adam	Hidam
194	Kale Ashish Anandrao	Byanas	Bhoven	Bhaven	eshaven	Blaver	Rheivan	Phoven		Bhawan
195	Kamble Tejas Bajerao	Zawas	faux.	र्भः पर्वे	Lawor	Zawar	Law Y	Darwer.	Dancy_	報いいっと
196	Kharade Yash Vijay	3000	thirde	Triple	Thirds.	A hinde	Athinole.	phymle.	Mirola	thinde
197	Kumbhar Shreyash Rajendra	10 ruls	Drul4	Arull.	Aul.		Bruzz.	Aruli	(A) will	A) rul i
198	Kumbhar Supriya Laxman	Onobrajo	Ougralis	(Dunprair	Orobrato	Onaprata	Motivation	Outpuch	Orenbraje	Duoprati
199	Lade Yashpal Sunil	P. N. Bhosal	P.N.Bhasale	PN Bhosele	P. N. Bhasale	P. N. B hosdo	P.N.Bhosale	P.M.Bhosale	P. N.B Hosale	P.M.Bhasale
200	Lohar Aniket Haridas	&dhou2	acabail	escation	Midhair	My direct	Madball	Medhau	Widhar	Salban
201	Lohar Soham Shivdas	2Rkaro	<u>Pricaro</u>	28.00E	Prose	2 Ricaro	<u> Priceiro</u>	Service Control	Rkours	Rkom
202	Lokare Shubham Suresh	Gre	AUR.	Stype	Aupe	Atype_	Aupe	Ature	Airte	Alibe
203	Madane Harshad Namdev	BG941	VB9941	Bagul	J899U	VBORY	yeary	18094	BUAN	Bagy
204	Mahamuni Vikas Suresh	(Hobely)	anagan	Ozyadav	Societan	Sandor	TELEGAY	Byladay	Byaday	SBREET
205	Mane Aniket Babaso	Alaha=	× Chas	Alohas	(Aloxon	(x)Chors	(x Cohas	/x longs	Alphas	Labhas
206	Mane Madhavi Ganesh	Bell.	Bel	G	Book.	Poli	Poli	Roli	Reli	Qoli
207	Mane Prasad Dattatraya	quambre	Armber	Argh Argh	American	Amonton	Armberge	Aronkan	Aron Far	Arronkom
208	Mane Pratik Balaso		神	描画:	M D 97	MARIT.	MARIT	भिनिष्मः .	/ }	71/10 W.J.
209	More Pallavi Dipak	12 Jagar	Shogan	Diagar.	byaday	phogan	Stagor	Tidospern	# todas	p-ladan
210	Nalavade Abhishek Suresh	Some	-S8my	Sany	-James	Must	Mondey	My	Smy	Samo

Department of Chemistry

Short Term Course - "Chemical risk management"

Year 2022-23

Attendance Jan-2023

Roll. No.	Name of Student	6[1	711	13/1	1411	2011	2111	27/1	28/1	B1/1
191	Kadam Shubham Bhimrao	Stadam	Chadam	Skadam	StadaM	Skadavn	Sleadaw	-8badam	Spadan	Spadam
192	Kadam Tejashree Ramkrushn	- Junie	- Thursday	aprile	a ruis Co	- Tull	- Jamile	Comment of the	c fruit c	Junio C
193	Kadam Yogesh Ananda	Kaltume	Yeadam	- Waokum	Hastom	Ykalam	Madein	Vokadama	*kdam-	Xkalem
194	Kale Ashish Anandrao	Playan	(B) 020	Egravas)-	Bravas	(Flower)	Bayes	(Perover)	@lowas_	(RYONO)
195	Kamble Tejas Bajerao	a awar	of away	R Deb	gawas	Hawar	Quer Parent	Savar.	Fawer	Fana
196	Kharade Yash Vijay	Whide-	A Trivale	24 Times	Athinde.	Primo	Athindle,	Thingh	Attrole	Minde
197	Kumbhar Shreyash Rajendra	Brich	Druid	(Aryl)	0006	Arust	Auch	Bruz V.	Brulis.	Omes.
198	Kumbhar Supriya Laxman	Oupprais	(Dvaprati	Orrabnati,	Quaprali	Marraji	Probrit	Quaphak	- Mapran	Quapralis
199	Lade Yashpal Sunil	P. N. Bhosale	P. N. Bhosak		-P.N.Bhosale	P.N.Bhosele	P. N. Bhoson	P.N.B hosak		P.W.Bhosile
200	Lohar Aniket Haridas	Madhail	redhan	Sachair	Modbail	Sochan	and have	godbar	Sadhall	Modbay
201	Lohar Soham Shivdas	RKOLO	え え え れ い り	Rivoro	Mikouro.	RKOM	RKOUM	J.P.Karo	Rica	<u> Rku</u> m
202	Lokare Shubham Suresh	Auge	Auge	Aupe	- Stape	Anton	GTUPE-	Aupe	Age	Plate-
203	Madane Harshad Namdey	<u>\89941</u>	180gul	WBQ941	78994	खिन	7803AT	18agul	1879 UL	389941 S
204	Mahamuni Vikas Suresh	Talagax	Osyaday	Canagan	Mappelatin	Conogan	CAN COGOA	Ashagan	TERNIGAN	Osta dell
205	Mane Aniket Babaso	Aldras	Alongs	Alchan	xlbhas.	Mohas	Alohore	26har	Alphas	Alphare
206	Mane Madhavi Ganesh	acti	ali	Reli	Dob	Model		Dell	ad	Pool
207	Mane Prasad Dattatraya	Amontage	Marker	· • • · · · · · · · · · · · · · · · · ·	Anankon			Aranteon	Amarlan	X 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
208	Mane Pratik Balaso	भिनेषा ।	76/01	MADELL .	<u>धाने ब्य</u>	<u>विभिन्नः</u>	ीर्याने वर्ग	<u> शिंगिका</u>	श्रीने खा	TEALT
209	More Pallavi Dipak	Todology	plagar	Totagan	Bhagan	pragas	Pricegon	Supralay.	Stocken	Brugar
210	Nalavade Abhishek Suresh	Some	881118	Smy	- Jamely	- Knowl .	Same	Smerel	Final	Sant.

Department of Chemistry

Short Term Course - "Chemical risk management"

Year 2022-23

Attendance Dec-2022

Roll. No.	Name of Student	2/12	3/12	9112	10/12	14/12	17/12	28 12	24/12	26/12
191	Kadam Shubham Bhimrao	Stackun	-Stadaw	Stadam	Spagame	Stadam		Stadam	Sladam	Stadow
192	Kadam Tejashree Ramkrushn	fruse	Junite	territe	Turife	June	fruite	Timbe	Junit	Januar
193	Kadam Yogesh Ananda	Kaolama.	Kadter	dkadkum	Akagam	ykadam	2 Kaderm	Wadam	Ykolumo	Yakadn
194	Kale Ashish Anandrao	Bravas	PShaves	PSTOLVER	pharon	(Mara)	Codavon_	(Alayan	(PShortes)	- Caras
195	Kamble Tejas Bajerao	-Rawcor	Samor_	Lawer.	Fauxor	Lawer_	Fawar	fang	FOWER	fawer.
196	Kharade Yash Vijay	A Market	48746	Part of	pholo	All Inde	muce	M hindo	birde	Mainle_
197	Kumbhar Shreyash Rajendra	Brull	(Arw)	Arull	Drugi	Drull.	Arule.	Bruil.	Bruls	Arul!
198	Kumbhar Supriya Laxman	(Twapyali)	Quaprali	Quaprali	Ouapratio	Maprali	Motrain	(Orobratio	Marvan	Quapinali
199	Lade Yashpal Sunil	P. N. Bhosale	P.N. Bhosalo	P.N.Bhosak	P.N.Bhosak	P. N.Bhosale	P. N. Bhosale	P.N. Bhosale	P.N. Bhosek	
200	Lohar Aniket Haridas	Robert	Midhail	Rechart	Belleul	ababail	Mic hour	Stedhau	Makail	Midhail
201	Lohar Soham Shivdas	Myaa -	RKOUS	Riom	Richer	Rkam		Rican	Ricorn	Ricom
202	Lokare Shubham Suresh	Aupe	Ante	Ajūbė	Atupe	Hupe	Alupe.	Auge	Atope	Aure
203	Madane Harshad Namdev	189941	\899U]	189941	V3a,9U	<u> 13994</u>	18094/	18094/	B9941	189941
204	Mahamuni Vikas Suresh	DAGGA	(190da v	Blador	Budav	Syaday	(Djadav	(19)adav	Blagar	@padev
205	Mane Aniket Babaso	Alohars	Aldhors	71-55	Alohas	Alohas	Alohar.	Alohan	Alchae.	Alphas
206	Mane Madhavi Ganesh	Coli	Cali	Poli	Pali	Poll	Donall	Poeli	Pall	Perli
207	Mane Prasad Dattatraya	Amantegr	Arran Vers	Arronkor		Argabar	Amontes.	· · · · ·	1 to 00	Arrandores
208	Mane Pratik Balaso .	भूगिल ।	शिनिया.	74000	Mater	जिनिषा '	मिड्ला.	MHOT	Mader	M-701
209	More Pallavi Dipak .	Edagon	Klagan "	Magan	Soladar	Stagan	12 Jucky	priager	Sycoday	Bracki
210	Nalavade Abhishek Suresh	Some	Homes	Some	Jones	my	X8mil	Nemes	Some	Barry

Yashwantrao Chavan College of Science, Karad

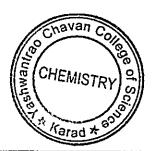
Department of Chemistry

Short term Course - Chemical risk management (2022-23)

Mark List

Roll. No.	Name of Student	mid- course exam (Out of 30)	Final Exam (Out of 30)	Practical Exam (Out of 40)	Total (Out of 100)
191	KADAM SHUBHAM BHIMRAO	21	24	40	85
192	KADAM TEJASHREE RAMKRUSHN	22	25	40	87
193	KADAM YOGESH ANANDA	21	20	40	81
194	KALE ASHISH ANANDRAO	21	24	40	85
195	KAMBLE TEJAS BAJERAO	25	25	40	90
196	KHARADE YASH VIJAY	19	27	40	86
197	KUMBHAR SHREYASH RAJENDRA	21	28	40	89
198	KUMBHAR SUPRIYA LAXMAN	21	26	40	87
199	LADE YASHPAL SUNIL	17	24	40	81
200	LOHAR ANIKET HARIDAS	21	25	40	86
201	LOHAR SOHAM SHIVDAS	21	26	40	87
202	LOKARE SHUBHAM SURESH	25	20	40	85
203	MADANE HARSHAD NAMDEV	19	25	40	84
204	MAHAMUNI VIKAS SURESH	21	27	40	88
205	MANE ANIKET BABASO	21	19	40	80
206	MANE MADHAVI GANESH	22	20	40	82
207	MANE PRASAD DATTATRAYA	21	24	40	85
208	MANE PRATIK BALASO	21	20	40	81
209	MORE PALLAVI DIPAK	25	27	40	92
210	NALAVADE ABHISHEK SURESH	19	28	40	87
211	NALAWADE ATUL DHARMRAJ	21	25	40	86
212	NALAWADE PRAJWAL SAYALI	21	26	40	87
213	NALAWADE SAYALI SHANKAR	25	20	40	85
214	PATIL MAYUR TUKARAM	19	25	40	84
215	PATIL NANDKISHOR SUBHASH	21	27	40	88
216	PATIL OMKAR ANKUSH	21	19	40	80

Coordinator



Department of Chemistry Yashwantrao\Chavan College of

Science, Karad

Yashwantrao Chavan College of Science, Karad **Department of Chemistry**

Short term Course - Chemical risk management (2022-23)

CO & PO attainment

Average Attainment	Target Attainment level	Remark
2	Level 4	Target achieved

Course code	Course Title	% of students above 60 % of Final exam marks	Level of attainment Final exam	80% of attainment Level in Final exam (I)	% of students above 80 % of mid-course exam marks	Level of attainment	20% of attainment Level in mid-course exam (II)	Attainment of course(I+II)
Short term	Chemical risk management	93.00	2.	1.6	70.00	2	0.4	2

By using below attainment levels 1,2,3 for the Precent of students in B				
For internal exam				
Level 1	Less than 60% of students scoring more than average marks			
Level 2	60% - 80% of students scoring more than average marks			
Level 3	more than equal to 80% of students scoring more than average marks			

Whater



Programme outcome level	Target Attainment	
Level 1	0.5-1.0	
Level 2	1.0-1.5	
Level 3	1.5-2.0	
Level 4	2.0-2.5	
Level 5	2.5-3.0	

Shri Shivaji Education Society, Vidyanagar, Karad Board for Higher Education's, Vidyanagar Karad's

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.
 Reaccredited B** Level by NAAC, Bangalore.
 An ISO 9001: 2015 Certified College



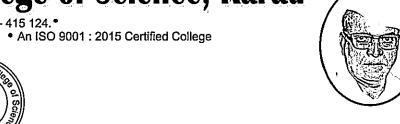


This is to certify that I	Mr./M/ss. <u>Patil On</u>	nkar Ankwh	
of Class B. Sc. T	has Completed Shor	t Term Course (3 Mo	nths) in
	hemical Risk Ma	nagement	conducted by the department of
chemistry during	ng the academic year 20 22 - 2	2023	·
Gourse Co-ordnator	Head of the Department	IQAC Co-ordin	- (X

Shri Shivaji Education Society, Vidyanagar, Karad Board for Higher Education's, Vidyanagar Karad's

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.
 Reaccredited B** Level by NAAC, Bangalore.
 An ISO 9001: 2015 Certified College





This is to certify that ly	Mr./Miss. More Pal	lavi Dipak	
of Class B. Sc. I	has Completed Short	Term Course (3 Months) in	
	hemical Risk Mai	nagement conduc	cted by the department of
chemistry durin	g the academic year 20 22 - 20	23	^ h
$\partial \mathcal{N}$	λ		
Course Co-ordnator	Head of the Department	IQAC Co-ordinator	Principal

Shri Shivaji Education Society, Vidyanagar, Karad Board for Higher Education's, Vidyanagar Karad's

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.
 Reaccredited B** Level by NAAC, Bangalore.
 An ISO 9001 : 2015 Certified College





This is to certify that	Mr./Miss. <u>Mane</u>	Madhavi	Ganeeh		
of Class B.Sc. I	has Completed S	Short Term Cours	se (3 Months) i	n	_
	chemical Risk	Manageme	ent cond	ucted by the department o	of
Chemistry duri	ng the academic year 20 2 9	•			
Class	Show	(pew	June	().
Course Co-ordnator	λ_{1}		The Co-ordinator	Principal	

Shri Shivaji Education Society, Vidyanagar, Karad Board for Higher Education's, Vidyanagar Karad's

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.
 Reaccredited B⁺⁺ Level by NAAC, Bangalore.
 An ISO 9001 : 2015 Certified College





This is to certify that ${}^{\!$	Vir./Miss. <u>Kharade</u> ——— has Completed Short T	• /	s) in
	hemical Risk Manad	gement co	onducted by the department of
Chemistry durin	ng the academic year 20 22 - 20 2	23	
Course Co-ordnator	Head of the Department	IQAC Co-ordinato	or Principal

Shri Shivaji Education Society, Vidyanagar, Karad Board for Higher Education's, Vidyanagar Karad's

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.
 Reaccredited B⁺⁺ Level by NAAC, Bangalore.
 An ISO 9001 : 2015 Certified College





This is to certify that I	Mr./Mjss. <u>Kadam</u> Y	ogesh Ananda	
of Class	<u> </u>	Term Course (3 Months)	in
1	emical Risk Mana	rejement cond	ducted by the department of
Chemisty duri	ng the academic year 20 22 - 20	023	
Course Co-ordnator	Head of the Department	IQAC Co-ordinator	Principal