YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD . DEPARTMENT OF CHEMISTRY

Certificate Course in

CHEMICAL RISK MANAGEMENT

2023-24

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Course Coordinator

Gent Kare

Department of chemistry

Certificate course in "Chemical risk management"

Year 2023-24

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

CHEMISTRY Solves

Yashwantrao Chavan College of Science, Karad

Department of Chemistry

Short term Course - Chemical risk management (2023-24)

Course Code	Short Term	Course:	Chemical risk management						
Prepared by	Dr. U. P. Lad	2023-24							
Target Gro	up: B.Sc. I								
Pre- requisites	 Basic (10+2) knowledge of science faculty Good analytical skills. Basic knowledge regarding laboratory concepts. 								
Programm	e Outcomes								
At the end	of the course the students sh	ould be able to):						
PO1	To Demonstrate, solve and	an understandi	ng of cond	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 At the end	tcomes of the course the students sh	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 accident	S.					

Epordindo

Chavan College of CHEMISTRY of Karad *

Year 2023-24

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

of Science.

Principal

Head Department of Ashemistry Chavan College of Science Co-ordinator. Internal Quality Assurance Yashwantrao Chavy nwantrao Chavan College of Karad SA NEW CP

Science, Karad

Department of Chemistry

Certificate course in "Chemical risk management"

Year 2023-24

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

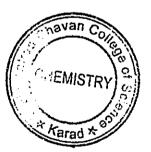
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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD Department of Chemistry

Notice

Date: 08/11/2023

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 2023.



Department of Chemistry

Short Term Course

"Chemical risk management"

Year 2023-24

Name of the Enrolled Students

Roll. No.	Name of Student	Signature
181	Awale Pratiksha Vilas	Planente
182	Babar Athary Laxman	Al. Rabors
183	Babar Shivanjali Jaywant	6.I Buby
184	Bakhale Ajinkya Vikrant	R.AV.
185	Bhanage Vivek Vikas	18
186	Bhandare Sumit Santosh	Place
187	Bhosale Pratik Chandrakant	Blan
188	Chavan Kalyani Satish	K·S·Chava1
189	Chavan Rohit Prakash	Risichavan
190	Chavan Rutuja Arvind	(PAharao.
191	Chavan Siddharth Santosh	3-
192	Chavan Tejaswini Rajesh	(Rharon
193	Chenge Ganesh Dadaso	Colum
194	Desai Rohan Ananda	Best
195	Deshmukh Athary Sanjay	Alhan
196	Dhawale Pranav Sevak	125
197	Domb Siddhesh Nandkumar	650
198	Dupate Aditya Dayanand	DADU
199	Ghare Viraj Rajendra	G.V. Rajendina
200	Jadhav Mayuresh Ramdas	p. M.J.

Department of Chemistry

Short Term Course

"Chemical risk management"

Year 2023-24

Theory Time Table

Dec. 2023 to Jan. 2024

Lect. time	Friday	Saturday		
9.40 – 10.30	UPL	UPL		

Department of Chemistry Yashwantrao Chavan College of Science, Karad

(pordinofor



Department of Chemistry

Short Term Course - "Chemical risk management"

Year 2023-24

Attendance Jan-2024

Roll. No.	Name of Student	2/2	312	9/2	10/2	16/2	1712	2312	2412	26/2
181	Awale Pratiksha Vilas	Dwale	Brangle-	(Gluwale	Primare	Dawale.	Brongle	@ware	Plawale	(Plawale
182	Babar Atharv Laxman	A.l.Babar	A.l. Babour	A.I. Babas	A.l.Bassos	A.I. Babas	A.I. Babas	Al Babos	A.I.Bakos	A.L. Babas
183	Babar Shivanjali Jaywant	धा Babay.	5JB abar	3.TBbby	6JB obor	3J. Babor	S.J. Bobar	5.TBabor	SJBober	SJBabar
184	Bakhale Ajinkya Vikrant	B.A.V	B.A.V	B.A.V	B.A.V	B.A.V	V.A.B	B.A.V	B. 5.V	B.A.V
185	Bhanage Vivek Vikas	(B)	SB.	(B).	(8)	(B)	(B).	(B).	(JE).	<u> </u>
186	Bhandare Sumit Santosh	Ban	(B)	Ben	Q5 Day	BSC	BSe	Bed	Bg-	RSS
187	Bhosale Pratik Chandrakant	RICL	BPD	BRC	BPC	BACC	(G)20	BROG	B150	(BPC)
188	Chavan Kalyani Satish	kischauan '	K·s.Chavan	Ks. Chavon	Ks Chavan	K.s. Chavan	Kschovan	K-s-chavan	Krs.chavon	Kischavar
189	Chavan Rohit Prakash	RBChavan	R&Chavan	Rpchavan	R.B. Chavan	RPChavan	Rechavan	RBchavan	KB. Chavan	R. B. chavar
190	Chavan Rutuja Arvind	DATONO	(Dalpona)	PAtrovac	(Phonor	(Pthoto)	Pthover	DAMINGO.	(B)NOVOD	@Aharan
191	Chavan Siddharth Santosh	6	6	8	65	25	E	5	6	6
192	Chavan Tejaswini Rajesh	(Maran	(Phares	Thorn	Maria	1 Phase	* (flegger	(Dhoon	Phono	. The
193	Chenge Ganesh Dadaso	Can_		E Consor	CGP.	CO T	(Car)	C 69	Cae	Cerc
194	Desai Rohan Ananda	Desal	Pegal-	Besal	(Pesal	Desal	Gescil.	Paga.	Pesal	(Xegci)
195	Deshmukh Atharv Sanjay	Athona	Athan	Aspart	Hhary.	Athony	Athory	AFROOM	Athor	Alton.
196	Dhawale Pranav Sevak	1	ZAS 2	TRS	W3 (I— 5— 1	7025	DR	728°	795
197	Domb Siddhesh Nandkumar	AP 1	8	18 1	181	B	9	B	8	87
198	Dupate Aditya Dayanand	PAD	PAD	DAD_	:DAP .	DAD	DAR	DAD	DAD	CLAD
199	Ghare Viraj Rajendra	G.v. (Lajnane	C.v. Rajnam	G.+.Pajnalna	G. 4. Pajnona	G.v. Pajenano	G.v. Rojerdra	G.v.Painena	G.v.Pqjand20	G.v.Rajnana
200	Jadhav Mayuresh Ramdas	K.101.7	B.W.2	R.M.J	R.m.J	ያሳሆን	P.M.T	R.M.5	R.M.J	R.M.T

Department of Chemistry

Short Term Course - "Chemical risk management"

Year 2023-24

Attendance Feb-2024

Roll. No.	Name of Student	5/1	6 1	12/1	13/1	1911	20/1	25/1	2711	29/1
181	Awale Pratiksha Vilas	Danale (B)unaje	(b) sance o	(Blowale	1 Klainago	(By)amag	Phunle	(e) awak	(Blauale)
182	Babar Atharv Laxman	A.1.Babac	AL Babas	AL Babas	A.I. Boloas	A.L.Bubar	A.L.Babas	AL Babar	A.L Bubas	Al Babar.
183	Babar Shivanjali Jaywant	SJ Babay	S.J. Bobar	S.T. Balon	SJ. Bobar	S.T. Babor	SIRobo	5. T. Robar	S. TRobar	STBabon
184	Bakhale Ajinkya Vikrant	8. B.V.	B. A.V			B. A.V	8.A.V	8.A.V	V.A.8	B.A.V.
185	Bhanage Vivek Vikas	OB.	B	B	(B),	(B).	(B)		B).	B·
186	Bhandare Sumit Santosh	(B)C	BSr	BS.	BZ	B&_	(R&C	BX	(188)	(R&)
187	Bhosale Pratik Chandrakant	(BPG)	(BC)	820	RFO)	800	(B)(C)	B PD	BPQ_	PP.
188	Chavan Kalyani Satish	ks-chavan	kis-chavan	ks-charan	Kisi Chavan	K·S·Chavan	Ksichavan	ks-chavan	K-S-Chavar	K-s-chavan
189	Chavan Rohit Prakash	Rs.Chavan	Risicharn	R-S.chavon	Rs. chavan	Ris.chavor	P.S. Shaka	R.s. Chaver	R. S. Chro	R.S.Chavon
190	Chavan Rutuja Arvind	@thato	Ditroit D		@Hroyan	@Hrover_	@Horou	@AboutO.	QH-MWC CD	@H-ava_
191	Chavan Siddharth Santosh	100		U	6	Q	ST.	G		6
192	Chavan Tejaswini Rajesh	Bharm	Bravas	(K) rever	Rhavas	- (TRhaves	- (10) aran	(Repair	- (Charan	TRYOURS.
193	Chenge Ganesh Dadaso	@ <u>`</u>	(O)	Or,	Car.	Can	رهام		Con	(a)- \
194	Desai Rohan Ananda	Decer	(Jacob	O Beach	(Desol	(Deca)	Assoi,	Percit,	(Posci)	Desir >
195	Deshmukh Atharv Sanjay	Athair	Work	Miron.	W. W.	Athon.	Allon.	W. Wally	Myroca	1 Bure
196	Dhawale Pranav Sevak	222s	782 C		IAS (198 E	123	TH3 2	793 7	75
197	Domb Siddhesh Nandkumar	187	181	8	185	P3[157	B(B	B 7
198	Dupate Aditya Dayanand	2A.L.	DAD	DAD	PAR	DAD	-12HD-	DAD	- <u>PAP</u>	240
199	Ghare Viraj Rajendra	G. v. Rajendra	G.V.Rajord	G.v .Rojerana	G. + Pagnan	G.11. Pajena	rbns(ps.11.Do	•G.v.Pajodo	G.V. Rajendn	وهد وواصمه
200	Jadhav Mayuresh Ramdas	k.m.r	B.W.Z	Kw.2	f.100.J	R.W.J	k.w.7	\$-100.T	R.180, 5	R.W.J

Department of Chemistry

Short Term Course - "Chemical risk management"

Year 2023-24

Attendance Dec-2023

Roll. No.	Name of Student	1/12	图112	48/12	9/12	15/12	16/12	22/12	23/12	20/12
181	Awale Pratiksha Vilas	Darocite	(edamale	(Drunk)	Mouale	(B) awale	Brancolo	Rhunle	(R)avale	Paurile
182	Babar Atharv Laxman	Al Babas	Al-Babas	AL-Babar	A.L Babas	A.L. Bubas			A.L. Babar	
183	Babar Shivanjali Jaywant	SJBobar	5 J Bobar	5JBroay	5.J. Bobon	3.J. Baban	S.J.Kobor	5.T. Babay	S.T. Brown	S.T. Bobar
184	Bakhale Ajinkya Vikrant	B.A.V	BBN	BBN	B. A. V	B.A.V	B. D. ~	8·4·N	B.A.~	B. A.V
185	Bhanage Vivek Vikas	(B)	B	B	<u> </u>	43	(B)	CB.	B	(B).
186	Bhandare Sumit Santosh	(B)-	Bo	Box	<u> (280</u>	Bot	B&	BS	BSe	BBL
187	Bhosale Pratik Chandrakant	BP22_	(B)	8PO	BRE	BPG	& Pac	BLCC	BPG)	BPG
188	Chavan Kalyani Satish	kis.chavan	kis Chavan	ks chavan	Kis Chavar	KisiChavan	Kis.chavan	Kschavan	K.s. Chaugn	1<.S.Chavoja
189	Chavan Rohit Prakash	大·S·chava7	Rs.Chavan	Rischavan	Rs-Chavan	Rischavar	R.s.chewan	RS Chavan	R.S. Chavon	R.S. Chavry
190	Chavan Rutuja Arvind	@lheus)	(5) Hand	(DAMOLED_	(B)MMO	PANOUD	(PAMOLOC)	(Aham)	PALOCO_	@halao
191	Chavan Siddharth Santosh	8	132-13	6	6	(3)	95	6	8	G
192	Chavan Tejaswini Rajesh	Dharen	· Dhaver	(2) have	- (12) prov	- (Bharan	- 10 1000	- Char	(TP foras	Than
193	Chenge Ganesh Dadaso	Coa	(Coor	(Cop.	Earl	Color	Code	Car	Con	(C) 1 -
194	Desai Rohan Ananda	Beal-	Pesal	Rosal	Desain	Desat	Desain	Desal	(Desa)	Desch
195	Deshmukh Atharv Sanjay	Alhany.	Althan	Altasy	Alban	Mhan.	Mon	148/2W	Adhan	Front.
196	Dhawale Pranav Sevak	7/3	IBS	1/23			UPS .		200	DP=
197	Domb Siddhesh Nandkumar-	8	BT	BT	BT	Ø	断	BI	ØT	B
198	Dupate Aditya Dayanand	DAD.	DAD	DAD	PAD	PAR	DAP	1RAD	DAD_	12 D
199	Ghare Viraj Rajendra	G Rajerdro		G.V.12 oj choly	G.v. Rajerda	G.v. Rojeran		G.v. Rajenoh	G.Vr.Pajandre	G.v. Rajendre,
200	Jadhav Mayuresh Ramdas				R.M.J		P.M.J	6.W.Z	R.m.J	R.M.J

Yashwantrao Chavan College of Science, Karad

Department of Chemistry

Short term Course - Chemical risk management (2023-24)

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)
181	Awale Pratiksha Vilas	21	24	40	85
182	Babar Athary Laxman	22	25	40	87
183	Babar Shivanjali Jaywant	21	20	40	81
184	Bakhale Ajinkya Vikrant	21	24	40	85
185	Bhanage Vivek Vikas	25	25	40	90
186	Bhandare Sumit Santosh	19	27	40	86
187	Bhosale Pratik Chandrakant	21	28	40	89
188	Chavan Kalyani Satish	21	26	40	87
189	Chavan Rohit Prakash	17	24	40	81
190	Chavan Rutuja Arvind	21	25	40	86
191	Chavan Siddharth Santosh	21	26	40	87
192	Chavan Tejaswini Rajesh	25	20	40	85
193	Chenge Ganesh Dadaso	19	25	40	84
194	Desai Rohan Ananda	21	27	40	88
195	Deshmukh Atharv Sanjay	21	19	40	80
196	Dhawale Pranav Sevak	22	20	40	82
197	Domb Siddhesh Nandkumar	21	24	40	85
198	Dupate Aditya Dayanand	21	20	40	81
199	Ghare Viraj Rajendra	25	27	40	92
200	Jadhav Mayuresh Ramdas	19	28	40	87

Coordinator

Chavan College of Solution CHEMISTRY CHEMISTRY

Yashwantrao Chavan College of Science, Karad Department of Chemistry

Short term Course - Chemical risk management (2023-24)

CO & PO attainment

Average Attainment	Target Attainment level	Remark
3	Level 5	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	96.00	3.	2.4	77.00	2	0.4	2.8

By usi studen	ng below attainment levels 1,2,3 for the Percent of ats			
	For internal exam			
Level	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			
	Coordinator			



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

Head

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

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.

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Short Term Course

Coultease of Completion

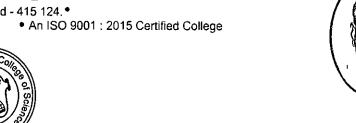
This is to certify that	Mr./Miss	navan To	<u>yaswini</u>	Rajech	
of Class <u>B.sc. T</u>	has Comp	leted Short Tern	n Course (3 M	onths) in	
<u> </u>	Chemical	Risk Man	agement	_ conducted b	y the department of
Chemistry	_during the academ		/		
Course Co-ordnator	Head of the	Department	IQAC CO-	ordinator	Angipal

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

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• Vidyanagar, Karad - 415 124.•

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Short Term Course

Considerse of Completion

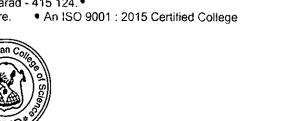
This is to certify that	Mr./Miss. Chavan Ru-	tuja Arvind	
of Class B. Sc. I	has Completed Short Term	course (3 Months) in	
<u> </u>	Chemical Risk Manage	ement conducted	by the department of
Chemistry	during the academic year 20 25 - 2	2024	
Course Co-ordnator	Head of the Department	IQAC Go-ordinator	Printipal

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

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.

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Short Term Course Coultieste of Completion

This is to certify that	Mr./Miss. <u>Chavan</u>	Kalyani Satish	
of Class <u>B</u> . Sc. I	has Completed Short To	erm Course (3 Months) in	
	Chemical Risk M.	anagement conducted	l by the department of
Chemistry	_during the academic year 20 23	•	
Course Co-ordnator	Head of the Department	HQAQ Co-ordinator	Pripal

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

Yashwantrao Chavan College of Science, Karad

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Short Term Course

Coupletion

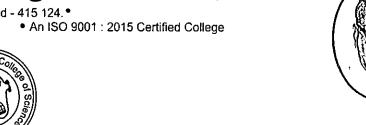
This is to certify that	Mr./Mijss. <u>Babar</u>	Haru Laxman	
of Class B. Sc. T	has Completed Shor	t Term Course (3 Months	s) in
	Chemical Risk	Management co	nducted by the department of
Chemistry	_during the academic year 20	•	
Course Co-ordnator	Head of the Departmen	nt IQAC Co-ordin	ator Principal

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

Yashwantrao Chavan College of Science, Karad

Vidyanagar, Karad - 415 124.

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Short Term Course

Cettificate of Completion

This is to certify that I	Mr./Miss. Awale Praf	iksha Vilas	
of Class B. Sc. T	has Completed Short Tern	n Course (3 Months) in	
	chemical Risk Man	agement conducted l	by the department of
Chemistry	during the academic year 20 23 -	•	
Course Co-ordnator	Head of the Department	IQAC Co-ordinator	Principal