



# RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August 1923 & presently a State Universities governed by Maharashtra Universities Act No. VI of 2017)

**DEPARTMENT OF LIFELONG LEARNING AND EXTENSION**  
Guru Narak Bhavan, University Campus, Ambazari Bypass Road, Nagpur-440033 Phone: 2530860

Mob. No. 9422803768

Dr. Nishikant Raut, (Director)

No. DOLLE/464/23  
Dated : 26. 10. 2023

To,  
**The Principal**  
SSES Amravati's Science  
College, Congress Nagar,  
Nagpur.

**Subject : Sanction for Conducting Short Term Courses under Jeevan Shikshan Abhiyan on No Grant Basis. (2023-24)**

Sir/Madam,

With reference to your proposal for conducting Short Term courses indicated below under Jeevan Shikshan Abhiyan of this Department, this is to inform you that your proposal has been accepted and your College has been granted permission to conduct the course on the following conditions:

### Details of the Course

Sr. No.	Name of the Course	Name of Course Coordinator	Duration	Credit	No. of Candidates to be admitted	Fees to be Charged per Student	Fees to be Deposited With the Deptt.
15	Certificate Course in Biofertilizer and Biopesticide Production.	Dr. Pranita.B. Gulhane.	45 hrs. T-37 hrs. P-08 hrs.	2	80	500/-	10%
2.	Certificate Course in Ground Water Exploration.	Dr. P .B . Zamarkar.	45 hrs. T-36 hrs. P-09 hrs.	2	100	500/-	10%
3.	Certificate Course in Mushroom Cultivation.	Dr. Rupali . H. Mahakhode.	40 hrs. T-20 hrs. P-20 hrs.	2	80	500/-	10%
4.	Certificate Course in Fruit Processing and Wine Technology.	Dr. Pranita B. Gulhane.	45 hrs. T-37 hrs. P-8 hrs.	2	80	500/-	10%
12	Certificate Course in Environment and water Management.	Dr. Priyadashani N . Deshmukh.	45 hrs. T-30 hrs. P-15 hrs.	2	150	500/-	10%
36	Certificate Course in Immunology and Immunodiagnosics .	Dr. Sapna. Baghel .	44 hrs. T-36 hrs. P-08 hrs.	2	80	500/-	10%

**Rules & Regulations of this Department regarding these courses should be strictly followed.**

- This sanction is valid for this particular Batch only.**
- Fees for the course should be charged as per the norms prescribed.
- Expenditure on the course should be incurred as per norms.
- Course should be started within a Month from the date of sanction.  
Please communicate your acceptance within a month and submit the Initial Report
- Submit the List of Students admitted in the excel format attached herewith.
- Geotagged Photographs clicked during theory and practical classes have to be submitted along with the final report. Other than geotagged photographs will not be accepted.
- Complete details and evidences (along with geotagged photographs) for theory & practical exam / assessment will have to be submitted. Guidelines for allotment of grades should be strictly followed.
- After Completion of the course the dates for assessment /exam should be informed to the Department at least 10 days in advance.

Shri Shivaji Education Society, Amravati's  
Science College, Congress Nagar, Nagpur

NOTICE  
(SKILL BASE COURSES)

Date : 01/02/2024

All the UG and PG students are hereby informed that, every year our college provide opportunities to the students to learn the short-term skill base courses. The college runs these skill base courses in collaboration with Department of Lifelong Learning and Extension, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

The skill base courses play an important role in the future career of the students during their job opportunities. The students having the skill base course certificates are given preference in the jobs during the interviews in corporate and government sectors.

Our college has prepared 08 skill base courses of different skills. The period of each course is 45 hours (per week 3 lectures) online or offline including offline practical. College conducts the examination of all skill base courses as per university norms.

The college has fixed the minimum fee of Rs. 500/- (Rs. Five Hundred Only) so that all students get enrolled for the same.

These certificate courses not only add value to the student but also awards credit to the student.

All students are informed to enroll for any one course from the following list. For details contact with concerned coordinators.

**Last Date of Admission will be 24/02/2024.**

**List of Courses**

S.No.	Name of Skill base course	Coordinator	Seats allotted	Fee.
1	Certificate Course in IPR Fundamentals	Dr. Sarang Dhote, Dept. of Chemistry.	100	Rs.500/-
2	Certificate Course in Web Technology	Dr. J. K. Keche, Dept. of Computer Science.	150	Rs.500/-
3	Biofertilizer and Biopesticide Production	Dr. Mrs. Pranita Gulhane, Dept. of Microbiology	80	Rs.500/-
4	Ground Water Exploration	Dr. Ms. P. B. Zamarkar Dept. of Geology.	100	Rs.500/-
5	Mushroom Cultivation	Dr. Mrs. Rupali Mahakhode, Dept. of Botany	80	Rs.500/-
6	Fruit Processing and Wine Technology	Dr. Mrs. Pranita Gulhane, Dept. of Microbiology	80	Rs.500/-
7	Environment and Water Management	Dr. Ms. Priyadarshini Deshmukh Dept. of Chemistry	150	Rs.500/-
8	Immunology and Immunodiagnosics.	Dr. Ms. Sapna Baghel, Dept. of Biotechnology	80	Rs.500/-



*M. P. Dhore*  
(Dr. M. P. Dhore)  
Principal,  
Science College,  
Congress Nagar, Nagpur

Copy to :  
01) Concerned coordinators



Shri Shivaji Education Society Amravati's

## Science College

Congress Nagar, Nagpur

### Skill Base Course (Groundwater Exploration)

Students List

(2023-2024)

Sr. No.	Name of the Student
1	Aayesha Jabeen
2	Kopal P. Bhandare
3	Kumuudini T. Bawane
4	• Prachi N. Satikosare
5	Shamli P. Kale
6	Saloni A. Nandanwar
7	Kunali S. Bhindge
8	Saukkhya D. Dongre
9	Rupalui B. Havelikar
10	Natasha K. Pidurkar
11	Bhumika R. Thaware
12	• Harshal A. Mehar
13	• Rugved D Joshi
14	• Sanchit M. Joshi
15	• Priyanshu Attri
16	• Shraddha V. Masram
17	Saloni R. Selote
18	• Saniya K. Borkar
19	• Gaurav M. Parshuramkar
20	Rohit Pal
21	Ananya R. Sulakhe
22	Durgeshwari R. Choudhari
23	• Sharvari M. Patewar
24	• Himanshi V. Mehar
25	Nandini D. Choudhari
26	Kirtika Y. Uikey
27	• Sheryal Bombarde
28	• Gayatri Tejram Uikey
29	• Vidhya M. Uike
30	• Isha A. Dhole
31	• Diksha R. Gedam
32	Aarti O. Baghele
33	• Gauri S. Patle
34	Sumati S. Kale

35

Pradnya S. Raut

36

Hitali P. Ramteke

37

Sayali. Kamble

Name of the College/ Institute: Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur.

Name of the Course: Groundwater Exploration (Hydrogeology)

Year (Duration): 2023 – 2024

Sr. No	Name of the Student in Full	Gender	Date of Birth	Place of Birth		Category	Enroll. No. Registration No.	Educational Qualification	Contact No.	Email	Address for Communication
				Hometown	State						
1	Aayesha Jabeen	Female	4/05/2005	Nagpur	M.H.	OPEN	-	HSC	7387244859	Aayeshajabeenk@gmail.com	Flat No. 301, 3 <sup>rd</sup> floor A wing Kalimi Complex Mudliar Chowk, Shanti Nagar, Itwari Nagar-440002
2	Kopal P. Bhandare	Female	28/07/2003	Nagpur	M.H.	OPEN	-	HSC	9665071934	Kopalbhandare28@gmail.com	75 Maitry colony, Nari road Kapil nagar, Nagpur
3	Kumudini T. Bawane	Female	8/06/2005	Wardha	M.H.	OBC	-	HSC	9356770242	Kumudinibawane@gmail.com	Gondia
4	Prachi N. Satikosare	Female	3/10/2003	Nagpur	M.H.	OBC	2021016600491675	HSC	9923619810	Prachikosare@gmail.com	New Bidipeth, Nagpur-440024
5	Shamli P. Kale	Female	11/09/2005	Yavatmal	M.H.	NT - C	-	HSC	8261959267	Shamlikale812@gmail.com	At post Nawargaon, Ta. Maregaon, Dist Amravati

6	Saloni A. Nandanwar	Female	06/02/2004	(Bhramhapuri) Chandrapur	M.H.	SBC	20231010009149	HSC	9096285597	Saloninandanwan721@gmail.com	Plot No. 161, Adivasi Colony Tukadoji Putla, Nagpur
7	Kunali S. Bhondge	Female	12/03/2004	Nagpur	M.H.	OPEN	-		9673031978	Kunalibhondge@gmail.com	At post Salidabha
8	Saukhya D. Dongre	Female	06/04/2005	Nagpur	M.H.	SC	-	HSC	9860965402	Saukkyadongre@gmail.com	1563/9, Near NIT, Swimming Pool Vaishali Nagar, Nagpur
9	Rupali B. Havelikar	Female	10/11/2004	Nagpur	M.H.	SBC	-	HSC	9156234810	Rupalihavelikar10@gmail.com	Tandapeth Chandrabhaga Nagpur, Nagpur-440002
10	Natasha K. Pidurkar	Female	21/06/2004	Chandrapur	M.H.	OBC	-	HSC	9370996920	Riyapidurkar20@gmail.com	155/1, Navin Vasahat ward no. 4, Botibori, Nagpur-441108
11	Bhumika R. Thawre	Female	30/07/2004	Nagpur	M.H.	SC	-	HSC	9130906865	Thawrebumika@gmail.com	Gujri Chowk, Chinchghare Mohalla Old Mangalwari, Nagpur-440008
12	Harshal A. Mehar	Male	26/11/2002	Nagpur	M.H.	OBC	2021016600681203	HSC	7756074880	Harshalm375@gmail.com	70, Shri Ram Nagar, Sant Jagnade Housing Society, Nagpur-440034

13	Rugved D. Joshi	Male	20/01/2004	Aheri (Gadchiroli)	M.H.	OPEN	2021016600455714	HSC	9112443244	Joshirugved2@gmail.com	F4/2 Maharaja Apartment, Building No. 2, In front of Sakkardara lake, Nagpur
14	Sanchit M. Joshi	Male	30/10/2003	Amravati	M.H.	OPEN	2021016600457326	HSC	9518382461	Joshisanchit98@gmail.com	Flat No. 2, Kalawati Sankul, Pipla Fata, Hudkeshwar Road, Nagpur
15	Priyanshu Attri	Male	21/12/2003	Aligarh	Uttar Pradesh	OBC	2021	HSC	8475859678	Ckeshav275@gmail.com	
16	Shraddha V. Masram	Female	22/09/2003	Nagpur	M.H.	SBC	2021016600484845	HSC	9561649445	Shraddhamasram1@gmail.com	Behind medical college Bajrang Nagar, Nagpur
17	Saloni R. Selote	Female	2/08/2005	Bramhapuri	M.H.	SC	2021016600456547	HSC	8149659465	Saloniselote@gmail.com	Ward No. 5 near Durga Mandir, Butibori, Nagpur
18	Saniya K. Borkar	Female	29/7/2003	Bramhapuri	M.H.	SC	2021016600456547	HSC	7820965916	Samyak Nagpur, Saoli,	Samyak Nagar, Saoli, Dist. Chandrapur
19	Gaurav M. Parshuramkar	Male	27/12/2003	Pimpalgaon/Kohali	M.H.	OBC	2021016600474054	HSC	9359004257	Parshuramkargarav88@gmail.com	At. Po. Pimpalgaon/Kohali, Ta. Lakhandur, Dist. Bhandara
20	Rohit K. Pal	Male	4/3/2003	Nagpur	M.H.	POEN	-	HSC	9798675698	Rohitkumarpal307@gmail.com	Kawalpokar, Po. Itarhi, Dist Buxar, Bihar

21	Ananya R Sulakhe	Female	24/12/2005	Akola	M.H.	OBC	-	HSC	7972866369	Ananyasulakhe12@gmail.com	Narendra Nagar, Nagar Vikas Soc. Nagpur, 440015
22	Durgeshwari R. Choudhari	Female	17/10/2004	Nagpur	M.H.	OPEN	-	HSC	9322154130	Ramchoudhri925@gmail.com	Madhav Nagri Isasani Hingna, Nagpur
23	Sharvari M. Patewar	Female	8/9/2004	Vyahad Khurd, Chandrapur	M.H.	NTC	20231010009176	HSC	9767683858	Sharvaripatle@gmail.com	Manikrao Patewar, Near BSNL Tower, Ward No-14 Mol. Chandrapur
24	Himanshi V. Mehar	Female	20/4/2004	Nagpur	M.H.	OBC	20231010009002	HSC	9552083118	Himanshimehar0@gmail.com	Pt. No. 55 Mire Layout Nagpur Nandanvan, Nagpur
25	Nandani D. Choudhari	Female	11/12/2004	Chandrapur	M.H.	OBC	20231010009086	HSC	9359480314	Nandinichoudhary@gmail.com	Kunbhi Society, Killa Ward, Bhadrawati, Chandrapur
26	Kritika Y. Uikey	Female	3/2/2004	Nagpur	M.H.	ST	20231010009049	HSC	8669267697	Kritikayogeshuik ey@gmail.com	15, Anand Nagar, Jaitala Road, Nagpur
27	Shreyal V. Bombarde	Female	8/5/2005	Gondiya	M.H.	SC	20231010009190	HSC	9529748062	Vijaybimbarde@gmail.com	Manavta Nagar, T.V. Tower, Seminary hills, Nagpur-440006
28	Gayatri T. Uikey	Female	19/9/2002	Gondia	M.H.	ST	20231010008992	HSC	8010956309	Pujaukiye685@gmail.com	At. Sakaritola Po. Satgaon, Th. Salekasa, Dist. Gondia
29	Vidya M. Uike	Female	25/5/2004	Lingapur	M.H.	ST	20231010009260	HSC	9307309765	Vidyauike605@gmail.com	At. LJ Nagar, Ta. Ashit, Dist.



30	Isha A. Dhole	Female	4/9/2004	Dhapewada Dost Nagar	M.H.	SC	2021016600669 376	HSC	9860425630	Ishd5824 @gmail.com	Bhagyarathi Nagar, Dhapewad Tal. Kalmeshwar, Dist Nagpur
31	Diksha R. Gedam	Female	19/7/2004	Desaiganj, Gadchiroli	M.H.	OBC	2021016600458 217	HSC	7447578194	Gedamdiksha7 @gmail.com	Shankarpur, Wardha Road, Nagpur-440067
32	Aarti O. Baghele	Female	24/7/2003	Gondia	M.H.	OBC	2023101000892 4	HSC	9607267730 2	artibaghal@gma il.com	House No. 142, Ward No. 5, Panchasheel Nagar, CRPF, Nagpur
33	Gauri S. Patle	Female	30/08/2003	Nagpur	M.H.	OPEN	2021016600484 184	HSC	9373065089	Gauripatale849 @gmail.com	Plot No. V- 97, Narendra nagar, Nagpur-440015
34	Sumati S. Kale	Female	29/5/2004	Nagpur	M.H.	OBC	2023101000922 0	HSC	7385399127	Sumatikale295 @gmail.com	New Bina Khape Rkheda, Bhanerao, Saoner
35	Pradnya S. Raut	Female	13/7/2004	Chikhali parsodi Chandrapur	M.H.	OBC	-	HSC	9322829703	Rautpradnya107 @gmail.com	At. Chikhalsarsodi Ta. Nagbhir, Dist. Chandrapur- 441205
36	Hitali P. Ramteke	Female	10/9/2004	Nagpur	M.H.	SC	-	HSC	7218381249	Hitaliramteke07 @gmail.com	Po. No. 17 Velekar Nagar Manewada Road, Nagpur
37	Sayali Kamble	Female	10/06/2004	Nagpur	M.H.	SC	2023101000916 6	HSC	8928614201	Kamlesayali100 6@gmail.com	Savitribai Phule Nagar, Samrat Ashok marg, Jadu Mahal Square, Nagpur-27



S.S.E.S.A's  
**Science College**  
Congress Nagar, Nagpur

**Certificate course in Groundwater Exploration**  
Session 2023-2024

**Notice**

It is hereby notified to all the students of Certificate course in Groundwater Exploration that their classes will be commenced from 16<sup>th</sup> March 2024 regularly. Therefore, they are asked to attend the classes on regular basis. All the classes will be running simultaneously with the UC regular classes as mentioned in the timetable.



Course Coordinator

S.S.E.S.A's Science College, Congress Nagar, Nagpur  
 Certificate Course Time Table  
 Groundwater Exploration (Hydrogeology)  
 2023-2024

Days	Class	7:30	8:18	9:06-9:54	10:00	10:48	11:36-12:24	12:44	1:32	2:20-3:08	3:08- 4:08
Monday	B.Sc. I	G1 Practical (MDP)					Theory (PBZ)		(ADF)		
	B.Sc. III				P-G1+G3 (ADF + MDP)						
	B.Sc.V					Theory (MDP)					
Tuesday	B.Sc. I	G1 Practical (PBZ)					Theory (PBZ)		(ADF)		
	B.Sc. III				P-G1+G3 (MDP)						
	B.Sc.V					Theory (ADF)					
Wednesday	B.Sc. I			Theory (ADF)							
	B.Sc. III						Theory (MDP)				
	B.Sc.V	Theory(ADF)			P-G1+G2 (PBZ)						
Thursday	B.Sc. I			Theory (PBZ)							Certificate Course (Theory) PBZ/ADF/MDP
	B.Sc. III						Theory (MDP)				
	B.Sc.V	Theory (ADF)			P-G1+G2 (PBZ)						
Friday	B.Sc. I				Theory (MDP)				P-G2+G3 (PBZ + MDP)		Certificate Course (Practical) PBZ/ADF/MDP
	B.Sc. III			Theory (PBZ)	P-G2 (ADF)						
	B.Sc.V	P-G3 (ADF)					Theory (PBZ)				
Saturday	B.Sc. I				Theory (MDP)				P-G2+G3 (MDP + PBZ)		Certificate Course (Practical) PBZ/ADF/MDP
	B.Sc. III			Theory (PBZ)	P-G2 (ADF)						
	B.Sc.V	P-G3 (ADF)					Theory (MDP)				

**Syllabus**  
**Certificate Course in**  
**Groundwater Exploration (Hydrogeology)**

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**Unit I**

Definition of Precipitation, Precipitation, runoff, evaporation and transpiration, hydrogeology cycle. Occurrence and distribution of groundwater. Zone of aeration and saturation, water table, cone of depression and recharge.

**Unit II**

Influent and effluent seepage and springs. Elementary idea about groundwater flow. Hydrogeologic characteristics of different types of rock

**Unit III**

Aquifer and their classification. Groundwater management: Artificial and natural groundwater recharge. Groundwater province of India. Groundwater conditions in different parts of Maharashtra.

**Unit IV**

Concept of watershed management. Preparation of hydrogeological maps, statistical analysis of hydrogeological data and use of computer based technique for data analysis and interpretation. Concept of Aqua meter/ Resistivity meter.

**Practicals**

1. Seminar (Compulsory)
2. Hands on training on Aqua meter/ Resistivity meter
3. Problems on aquifer properties of groundwater.
4. Hydrogeological Survey and Well inventory
5. Water table contour map



S. S. E. S. A's  
**Science College**  
Congress Nagar, Nagpur

**Notice**

All the students enrolled for Certificate course in Groundwater Exploration (Hydrology) are informed to attend 1 day workshop on 12<sup>th</sup> April 2024, Friday. It is compulsory to attend the workshop as there will be Guest lecture followed by hands on training on well inventory and resistivity meter.

Date: 12 April 2024

Venue: Geology Department Lab.

Timing: 12:00 pm



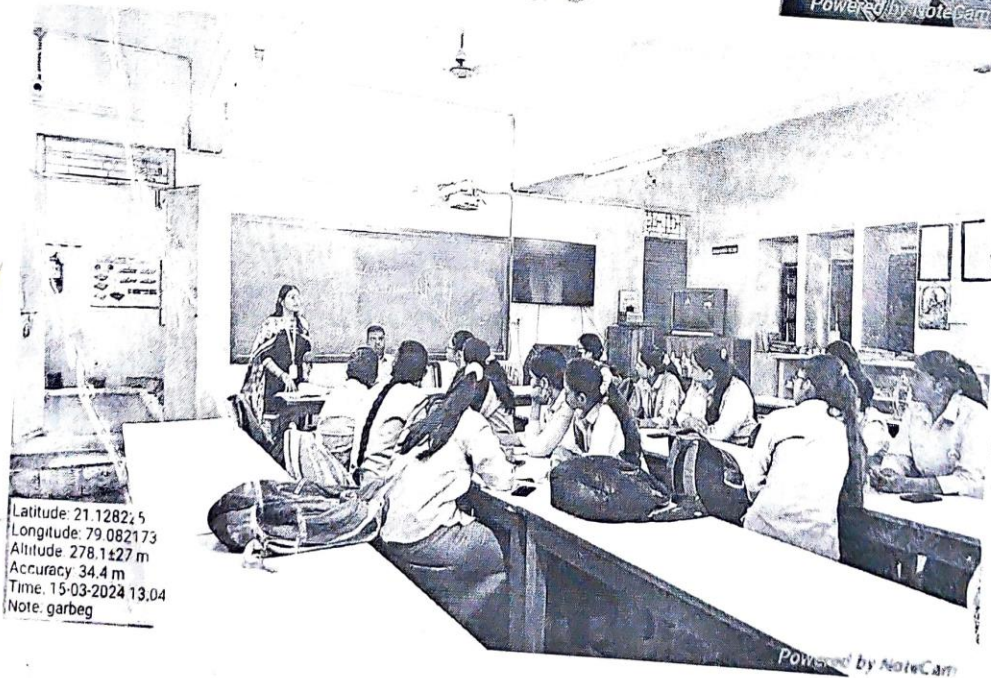
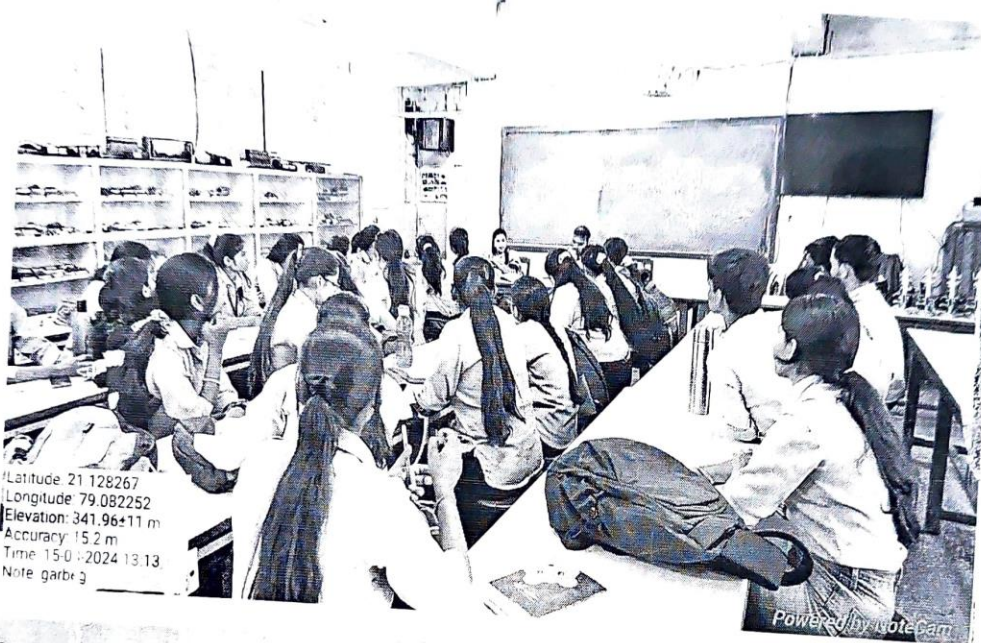
Course Coordinator



Head  
**HEAD**  
Department of Geology  
S. S. E. S. Amravati's  
Science College, Nagpur.

S.S.E.S.A's Science College  
Congress Nagar, Nagpur  
Certificate Course in Groundwater Exploration (Hydrogeology)  
2023-2024

Course started on 16 March 2024, First class was an introduction about the course, discussion ab  
syllabus, timetable, practical's and exam pattern.



*Amardeep*  
Course Coordinator

## **Action Taken Report**

The college authority has assured that matter will be placed in Governing Body Meeting for necessary discussion. 2. In response to their claim for more skill based introduced Skill based course on geology from academic year 2023-24. Due care will be taken for more skill based courses in future.



## Feedback Analysis:

After successful completion of the course feedback from all the present students was collected. Analysis of feedback were done and after feedback analysis following observation noted remarkably.

