

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

Certificate course in Groundwater Exploration
Session 2019-2020

Notice

It is hereby notified to all the students of Certificate course in Groundwater Exploration that their classes will be commenced from 31 March 2019 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.

~~Sk. Anil Kumar~~

Course - coordinator



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY
Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1st of August, 1923 &
presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)

DEPARTMENT OF LIFELONG LEARNING AND EXTENSION

Gurunanak Bhavan, University Campus, Amravati Road, Nagpur - 440 033. Phone : 2530860
E-mail : doll.rtmnu@gmail.com

To,
The Principal
Shivaji Science College,
Nagpur,
9423 103043

No.DOLLE/237/19
Dated : 16.10.2019

Subject : Sanction for Conducting Short Term Courses under
Jeevan Shikshan Abhiyan on No Grant Basis.

Sir/Madam,

With reference to your proposal for conducting Short Term courses indicated below under Jeevan Shikshan Abhiyan of this Department, I am to inform you that your proposal has been accepted by the Department 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 | Duration | No. of Candidates to be admitted | Fees to be Charged per Student | Fees to be Deposited With the Deptt. |
|---------|--|----------|----------------------------------|--------------------------------|--------------------------------------|
| 1 ✓ | Diploma Course in Groundwater Exploration | 8 Weeks | 20 | 1200/- | 10% |
| 2 | Diploma Course in Statistical Quality Control | 10 Weeks | 16 | 850/- | 10% |
| 3 | Diploma Course in Immune-Diagnostics | 8 Weeks | 20 | 2200/- | 10% |
| 4 | Diploma Course in Environmental and Water Management | 6 Weeks | 10 | 1000/- | 10% |
| 5 | Diploma Course in Mushroom Cultivation | 8 Weeks | | 1000/- | 10% |
| 6 | Diploma Course in Biofertilisers and Biopesticides | 14 Weeks | 20 | 1500/- | 10% |
| 7 | Diploma Course in Forestry and Wild Life Management | 6 Weeks | 20 | 1500/- | 10% |

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

1. This sanction is valid for this particular Batch only.
2. Fees for the course should be charged as per the norms prescribed.
3. Expenditure on the course should be incurred as per norms.
4. Course should be started within a Month from the date of sanction.
Please communicate your acceptance within a month and submit Initial Report Along with list of students admitted.

Dr. A.D. Bobdey
for n.a.
MSHore
03.01.2020

Your's faithfully,

p.watekar

Director

Shri Shivaji Education Society Amravati's

Science College

Congress Nagar, Nagpur

Department of Geology

Certificate and Diploma course in Groundwater Exploration (Hydrogeology)

Session 2019-2020

During the session classes and practical's were carried out. In this session field visit to college campus were done. Nearby wells were taken for the well inventory. The well inventory was carried out in the presence of Dr. Shah, Head Department of Geology, Shivaji Science College, Nagpur. The field tour was taken under the guidance of Ms. P. B. Zamarkar and Ms. A D. Fuladi.

An inventory of all the wells in a given area is called a well inventory, and it is usually kept for resource evaluation, environmental monitoring, and water management. Each well in this inventory has comprehensive details about it, including its location, depth, construction characteristics, and usage. Important elements that are frequently noted include:

1. Location Data: Precise mapping and accessibility are guaranteed by the use of geographic coordinates and physical addresses.
2. Construction Details: Details about the well's diameter, depth, casing, and materials utilized are essential to comprehending the well's endurance and capacity.
3. Water Quality: Information on the physical, chemical, and pollution levels of the water is essential for determining its suitability for human use and safety.
4. Use Information: Documentation of the well's use, including industrial, agricultural, or

Action Taken:

In this session 23 students were enrolled for the certificate course in Groundwater Exploration, All the students were qualified with good grades.

Eleven students were present in the certificate course in the session 2016-2017. For the diploma course same students were carried out and in the session 2017 - 2018, 8 Eleven students successfully qualified Diploma course.



Application for Admission to Skill based course.

1) Certificate course : 2) Diploma course: 3) Advance diploma:



To,
The Principal,
Science College
Congress Nagar, Nagpur-12

R/Sir,
I hereby apply for admission to the above course. I shall abide by the rules and regulations of the concerned department and college.

Signature of the applicant

PARTICULARS TO BE FILLED IN BY THE CANDIDATE:

1) Full Name (Block Letters) RUCHITA RAMESH BANSOD
2) Details of last exam. passed/failed/group/ percent marks obt. PASSED 65%

3) Name of Skill base programme to apply : GROUND WATER EXPLORATION CERTIFICATE COURSE

4) Details of other courses Applied/admitted -----

5) Date of birth : 09/01/2002 Contact No. 9511275935
E-mail. ruchitabansod09012002@gmail.com

6) Information of Father / Guardian:
a) Full Name : RAMESH SHIVDAS BANSOD b) Occupation: TEACHER

c) Annual Income: 45,000 d) Contact No. 9765928721
e) E. mail rameshbansod2011@gmail.com

Postal address of student for correspondence:
Sant Tukdoji ward, pimpalgaon
road, sant tukdoji ward,
Hinganghat

R. Bansod
Signature of the applicant

Declaration of Father or Guardian

I declare that the applicant is my son / daughter / ward and the particulars given above by him / her are correct and shall see that he / she observes all the rules of the college.

R. Bansod
Signature of the father / Guardian.
Full Name. Ramesh Bansod
Address pimpalgaon road
Hinganghat.

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

IN COLLABORATION WITH

SHRI SHIVAJI SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR-12

SYLLABUS FOR DIPLOMA COURSE IN GROUNDWATER EXPLORATION

(With effect from academic year 2019-2020)

The skill based Diploma course syllabus for B.Sc. I, II and III appearing student is 06 weeks Diploma Course in Groundwater exploration. The examination of Course shall comprise of theory paper of 3 hours caring 75 marks and a practical of 3 hours duration caring 50 marks. Project based on the carries 25 marks. Candidates are expected to pass separately in theory, Project and practical examinations.

The student requires 40% marks in theory for passing including the project marks. Separate passing in practical examination is required.

Structure of syllabus for diploma course along with distribution of marks is also displayed in the following table.

| Course | Theory Papers and practical's | Marks | | | Total Marks |
|---|--|-------------|-------------------------------|-----------|-------------|
| | | Theory | Internal Assessment (Project) | Practical | |
| Diploma Course in Groundwater Exploration | Theory paper – GROUNDWATER EXPLORATION (HYDROGEOLOGY) Practical based on Toposheet reading and well Inventory | 75 | 25 | | 150 |
| | | | | 50 | |
| | | | | | |
| | | Grand Total | | | 150 |

Internal Assessment:

Based on Students attendance and the performance in field work and Project report.

Syllabus
Certificate Course in
Groundwater Exploration (Hydrogeology)

Unit I

Definition of Precipitation, Precolation, 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.

Practicals

1. Problems on aquifer properties of groundwater.
2. Well inventory
3. Water table contour map

Teaching Plan

Certificate Course (15 weeks)

Groundwater Exploration (Hydrogeology)

| Weeks | Theory/ Practical | Hours | Content |
|-----------|----------------------|-------|---|
| Week I | Theory I | I | Definition of Precipitation, Percolation. |
| | Theory II | II | Brief idea about Precipitation, Percolation (Continued) |
| | Theory III | III | Definition of runoff, evaporation and transpiration |
| Week II | Theory I | IV | Brief idea about Runoff |
| | Theory II | V | Brief idea about evaporation |
| | Theory III | VI | Brief idea about transpiration. |
| Week III | Theory I | VII | Introduction to hydrological cycle |
| | Theory II | VIII | Hydrogeology cycle. |
| | Theory III | IX | Hydrogeology cycle.(Continued) |
| Week IV | Theory I | X | Zone of aeration and saturation. |
| | Theory II | XI | Zone of aeration and saturation, |
| | Theory III | XII | Zone of aeration and saturation, |
| Week V | Theory I | XIII | Zone of aeration and saturation,(Continued) |
| | Theory II | XIV | Water table |
| | Theory III | XV | Cone of depression |
| Week VI | Theory I | XVI | Recharge of groundwater |
| | Theory II | XVII | Elementary idea about groundwater flow. |
| | Theory III | XVIII | Elementary idea about groundwater flow.(Continued) |
| Week VII | Theory I | XIX | Hydro geologic characteristics of different types of rock |
| | Theory II | XX | Hydro geologic characteristics of different types of rock.(Continued) |
| | Theory III | XXI | Aquifer and their classification. |
| Week VIII | Theory I | XXII | Aquifer and their classification.(Continued) |
| | Theory II | XXIII | Groundwater management: Artificial recharge. |
| | Theory III | XXIV | Groundwater management: Artificial recharge.(Continued) |
| Week IX | Theory I | XXV | Groundwater management: natural groundwater recharge. |
| | Theory II | XXVI | Groundwater management: natural groundwater recharge.(Continued) |
| | Theory III | XXVII | Groundwater province of India. |

| | | | |
|-----------|---------------|---------|--|
| Week X | Theory I | XXVIII | Groundwater province of India.(Continued) |
| | Theory II | XXIX | Groundwater conditions in different parts of Maharashtra. |
| | Theory III | XXX | Groundwater conditions in different parts of Maharashtra.(Continued) |
| Week XI | Theory I | XXXI | Concept of watershed management. |
| | Theory II | XXXII | Concept of watershed management.(continued) |
| | Theory III | XXXIII | Preparation of hydrogeological maps |
| Week XII | Theory I | XXXIV | Preparation of hydrogeological maps (continued) |
| | Theory II | XXXV | statistical analysis of hydrogeological data |
| | Theory III | XXXVI | Detail information about Aqua meter/ Resistivity meter |
| Week XIII | Practical I | XXXVII | Problems on aquifer properties of groundwater |
| | Practical I | XXXVIII | Problems on aquifer properties of groundwater |
| | Practical III | XXXIX | Well inventory |
| Week XIV | Practical I | XXXX | Well inventory |
| | Practical II | XXXXI | Water table contour map |
| | Practical III | XXXXII | Water table contour map |
| Week XV | Practical I | XXXXIII | Aqua meter |
| | Practical II | XXXXIV | Resistivity meter |
| | Practical III | XXXXV | Resistivity meter |

S.S.E.S.A's Science College, Congress Nagar, Nagpur
Certificate Course Time Table

Groundwater Exploration (Hydrogeology)

2019-2020

| Days | Class | Certificate Class (9-10) | 10:00 | 10:48- 11:36 | 11:38 – 12:26 (PBZ) | 12:44 | 1:32 | 2:20 | 3:08 | 3:56 | 4:44 - 5:32 |
|-----------|----------|------------------------------|-------|-------------------|---------------------------|-------|--------------------------|--------------------------|-------|---------------------------|----------------|
| Monday | B.Sc. II | | | | | | | (ADF) | | | |
| | B.Sc. IV | | | | | | | | | | |
| | B.Sc.VI | | (ADF) | | | | Pract G1 G2- (PNK+PBZ) | | | | |
| Tuesday | B.Sc. II | | | | (PBZ) | | | | | (PBZ) | |
| | B.Sc. IV | | | | | | | Pract G1 G2- (PNK+ADF) | | | |
| | B.Sc.VI | | (ADF) | | | | | | | (PBZ) | |
| Wednesday | B.Sc. II | Certificate Class (ADF) | | Pract G1- (PBZ) | | | | | | | |
| | B.Sc. IV | | | | | | Pract G1 G3- (ADF) | | | (ADF) | |
| | B.Sc.VI | | | | | | (KCS) | | | | |
| Thursday | B.Sc. II | Certificate Class (PBZ) | | Pract G1- (PNK) | | | | | | (PBZ) | |
| | B.Sc. IV | | | | | | Pract G1 G3- (ADF) | | | | (ADF) |
| | B.Sc.VI | | | | | | (PNK) | | | | |
| Friday | B.Sc. II | Certificate Class (PBZ) | | | | (PBZ) | | | | Pract G2 G3- (PNK) | |
| | B.Sc. IV | | | | (ADF) | | Pract G2- (ADF) | | | | |
| | B.Sc.VI | | | Pract G3- (PBZ) | | | | | (PBZ) | | |
| Saturday | B.Sc. II | | | | (ADF) | | Pract G2- (ADF) | | | Pract G2 G3- (PBZ +PNK) | |
| | B.Sc. IV | | | | | (PBZ) | | | | | |
| | B.Sc.VI | | | Pract G3- (PBZ) | | | | | (KCS) | | |

NOTICE

Shri. Shivaji Science College Nagpur, Congress Nagar Nagpur,

Geology Department

Short listed candidates for skill based certificate course


Groundwater Exploration

2019-20

| Sr. no | Student name |
|--------|-------------------|
| 1 | Aditi Chavre |
| 2 | Aditi Joardar |
| 3 | Vedant Patwa |
| 4 | Bhuvan Pashine |
| 5 | Naina Bhalerao |
| 6 | Ketki Mohatkar |
| 7 | Sejal Motghare |
| 8 | Rutuja Shende |
| 9 | Simran Ninawe |
| 10 | Anchal Khatke |
| 11 | Pallavi Nitnaware |
| 12 | Ruchita Bansod |
| 13 | Gauri Zodape |
| 14 | Atul Nikose |
| 15 | Rohan Mankar |
| 16 | Parul Dhakate |
| 17 | K.R. Shete |
| 18 | Chankshi Masram |
| 19 | Rahul Bhusele |
| 20 | Shreya Thakre |

Date: 30/08/2019

Place: Nagpur


Mr. S.K. Paunikar
Asst. Professor (CHB)
Department of Geology

Shri Shivaji Education Society Amravati's Science College
 Congress Nagar Nagpur
Certificate Course in Groundwater Exploration (Hydrogeology)
Attendance

Theory / Practical (2019-20)

Name of the Teacher: *Mx. Pournikar*

| Sr. No. | Name of the Student | 2/11/19 | 28/11/19 | 5/12/19 | 12/12/19 | 19/12/19 | 26/12/19 | 2/1/20 | 1/1/20 | 8/1/20 |
|---------|-------------------------|---------|----------|---------|----------|----------|----------|--------|--------|--------|
| 1 | <i>Shreyas Thakre</i> | P | P | P | P | | P | | P | |
| 2 | <i>K. S. Moholkar</i> | P | P | P | P | | P | | P | |
| 3 | <i>S. S. Motghare</i> | P | P | P | | P | P | | P | P |
| 4 | <i>A. S. Jambekar</i> | P | | P | | | | P | | |
| 5 | <i>R. M. Rande</i> | P | | P | P | P | P | | P | P |
| 6 | <i>R. K. Mankar</i> | P | P | P | P | P | P | P | P | P |
| 7 | <i>A. S. Chaudhary</i> | P | P | P | P | | | | P | P |
| 8 | <i>P. P. Dhakate</i> | | P | | | | | P | | P |
| 9 | <i>N. S. Bhalerao</i> | | P | P | | | | | | P |
| 10 | <i>R. A. Shende</i> | P | P | P | P | | P | | P | P |
| 11 | <i>A. D. Khatke</i> | P | P | P | P | P | | P | P | P |
| 12 | <i>H. R. Shete</i> | P | | P | | | | P | | |
| 13 | <i>H. K. Wasekar</i> | P | P | P | P | P | P | P | P | P |
| 14 | <i>S. K. Ninave</i> | P | | P | P | P | P | | P | |
| 15 | <i>B. D. Ambane</i> | P | | P | P | P | | P | | |
| 16 | <i>A. V. Nikote</i> | P | | P | | P | | P | | P |
| 17 | <i>Chankshi K. #</i> | P | P | P | | | P | | P | P |
| 18 | <i>muscom</i> | - | - | - | - | - | - | - | - | - |
| 19 | <i>R. R. Bansode</i> | P | P | P | | P | P | P | P | P |
| 20 | <i>A. A. Hinglajpur</i> | P | P | P | | P | | P | | P |
| 21 | <i>B. S. Ambade</i> | P | | P | | P | | P | | P |
| 22 | <i>A. B. Bansode</i> | P | P | P | P | P | | P | P | P |
| 23 | <i>R. Samant</i> | P | P | P | P | P | | P | P | P |
| 24 | <i>Kirti Kumrey</i> | | P | P | P | | | P | | |

Pournikar

Course Coordinator

Shri Shivaji Education Society Amravati's Science College

Congress Nagar Nagpur

Certificate Course in Groundwater Exploration (Hydrogeology)

Practical (2019-20)

| Sl. No. | Name of the Student | Attendance | | | | | | | | | | | | | | Name of the Teacher | | | | |
|---------|--------------------------|------------|-----------|-------|-----------|------|----------|-------|-----------|----|--------|----|--------|---|-------|---------------------|----|----------|------|----------|
| | | 22/11 | 23/11 (P) | 29/11 | 30/11 (P) | 6/12 | 7/12 (P) | 13/12 | 14/12 (P) | 20 | 21 (P) | 27 | 28 (P) | 3 | 4 (P) | | 10 | 11/1 (P) | 17/1 | 18/1 (P) |
| 1 | Shreya C. Thakre | | | | | | | | | | | | | | | | | | | |
| 2 | Kaiki S. Meshadkar | | | | | | | | | | | | | | | | | | | |
| 3 | Sejal Motghare | | | | | | | | | | | | | | | | | | | |
| 4 | Aditi S. Toadkar | | | | | | | | | | | | | | | | | | | |
| 5 | Rupal M. Jangle | | | | | | | | | | | | | | | | | | | |
| 6 | Rehan K. Shankar | | | | | | | | | | | | | | | | | | | |
| 7 | Aditi S. Chavare | | | | | | | | | | | | | | | | | | | |
| 8 | Ramul P. Dhavare | | | | | | | | | | | | | | | | | | | |
| 9 | Naina S. Gholekar | | | | | | | | | | | | | | | | | | | |
| 10 | Ratna A. Shenkar | | | | | | | | | | | | | | | | | | | |
| 11 | Anchal D. Khatke | | | | | | | | | | | | | | | | | | | |
| 12 | Heshkumar R. Shete | | | | | | | | | | | | | | | | | | | |
| 13 | Handik R. Gosaskar | | | | | | | | | | | | | | | | | | | |
| 14 | Simran K. Nihave | | | | | | | | | | | | | | | | | | | |
| 15 | Bhargav D. Ambhane | | | | | | | | | | | | | | | | | | | |
| 16 | Atul V. Nikose | | | | | | | | | | | | | | | | | | | |
| 17 | Charakshi K. Masram | | | | | | | | | | | | | | | | | | | |
| 18 | Rushita R. Ransod | | | | | | | | | | | | | | | | | | | |
| 19 | Atmanva A. Hinglajpurkar | | | | | | | | | | | | | | | | | | | |
| 20 | Bhuvan S. Ambhade | | | | | | | | | | | | | | | | | | | |
| 21 | Ashish S. Bansodi | | | | | | | | | | | | | | | | | | | |
| 22 | Kirti Kurnarey | | | | | | | | | | | | | | | | | | | |
| 23 | Rushya Samant | | | | | | | | | | | | | | | | | | | |

Name of the Teacher: A. D. Fuladi.

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

Exam: Certificate course in Groundwater Exploration
Session 2019-2020

Time: 2 hours]

[Max. Marks-70

1. Describe the hydrologic properties of rocks. (5 M)
2. Describe the Maharashtra ground water provenance. (5 M)
3. Describe various well logging principles. (5 M)
4. Use of GIS technique in Ground water. (5 M)
5. Explain types and concepts of groundwater basin. (5 M)
6. Describe electrical resistivity method. (5 M)
7. Identification of potential groundwater zones through study of satellite imagery or photographs. (30 M)

8. Project (10 M)



Course Coordinator

Accn No _____
 Index No. _____
 Scheme : _____

WELL INVENTORY

Village _____ Census Code No. _____
 Block _____ Taluka _____
 District - Aurangabad Toposheet No. _____ Reporter _____

Jr. Geol/Asst. Geol.

Quadrant _____ Co-ordinates _____
 Altitude _____ (M.S.L.) Date _____ Time _____

1. Field No. _____ 2. Altitude MP _____ (M.S.L.) 3. Revenue S. No. _____
 GL _____ Gal No. _____

4. Location _____

5. Owner's Name in Full _____ Son of / wife of etc. _____

6. Address _____ 7. Type of well _____
 (dug well/bore-well/dug-cum-bore well)

8. Date of construction _____ 9. Measurement Point _____

10. Height of parapet _____ 11. Dimension of well Top _____ m
 Bottom _____ m. Depth _____ m. 12. Dimension of bore well

Horizontal / Vertical: Dia _____ m. Depth. _____ m.

13. Dimension of Dug cum bore well _____ M. Depth of bore _____ m.

14. Depth of lining _____ nature of lining _____ Condition _____

| | | | |
|---------|----------------|-----------|----------------|
| 15. DWL | Summer _____ m | SWL | Summer _____ m |
| | Winter _____ m | | Winter _____ m |
| PWL | Summer _____ m | Draw Down | Summer _____ m |
| | Winter _____ m | | Winter _____ m |

16. Trajectory _____ 17. Rate _____ Lit /minute _____ LityHr.

18. Duration of pumping : Summer _____ Winter _____ 19. Quantity Pumped : Summer _____ K. Lit/day
 Winter _____ K. Lit/day

20. Recuperation : Summer _____ Mtr/hr Winter _____ Mtr/hr
 Quantity Recuped: Summer _____ K. Lit/day
 Winter _____ K. Lit/day

21. Prime mover EM / OE / Mhot Make _____
 H.P. _____ R. P. M. _____ Drive : coupled / Belt driven/ Monoblock

22. Pump - Type : Centrifugal / Centripetal / Turbine / submersible; Make _____

H.P. _____ Size - Suction / Delivery _____ in mtrs.
 _____ in mtrs.

3. Pump Setting - Summer _____ in mtrs. Pump Inlet - Summer _____ in mtrs
 Winter _____ in mtrs. Winter _____ in mtrs

4. Use of Water - Irrigation / Domestic / Industrial State of water - Perennial / Seasonal / Intermittent
 Quality of Water - Sweet / brackish / saline / fresh / muddy

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
Examination Summer 2020

Skill Based Programme

Certificate Course: Groundwater Exploration (Hydrogeology) 2019-20

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


Date: 03/11/2020

Total Marks: 80

| Sr. No. | Name of Student | Theory Marks (30) | Practical Marks (30) | Assignment Marks (10) | Internal Assessment (10) | Total Marks (80) | Grade |
|---------|--------------------------|-------------------|----------------------|-----------------------|--------------------------|------------------|-------|
| 1 | Sherya C. Thakre | 29 | 29 | 10 | 10 | 78 | A+ |
| 2 | Ketki S. Mohatkar | 23 | 27 | 10 | 10 | 70 | A |
| 3 | Sejal S. Motghare | 30 | 30 | 10 | 10 | 80 | A+ |
| 4 | Aditi S. Joardar | 27 | 30 | 10 | 10 | 77 | A+ |
| 5 | Rupal M. Lande | 27 | 28 | 10 | 10 | 75 | A+ |
| 6 | Rohan K. Mankar | 27 | 30 | 10 | 10 | 77 | A+ |
| 7 | Aditi S. Chaware | 28 | 29 | 10 | 10 | 77 | A+ |
| 8 | Parul P. Dhakate | 21 | 28 | 10 | 10 | 69 | B |
| 9 | Naina S. Bhalerao | 21 | 27 | 10 | 10 | 68 | B |
| 10 | Rutuja A. Shende | 29 | 28 | 10 | 10 | 77 | A+ |
| 11 | Anchal D. Khatke | 27 | 30 | 10 | 10 | 77 | A+ |
| 12 | Harshkumar R. Shete | 28 | 29 | 10 | 10 | 77 | A+ |
| 13 | Hardik R. Waseker | 28 | 28 | 10 | 10 | 76 | A+ |
| 14 | Simran K. Ninave | 25 | 28 | 10 | 10 | 73 | A |
| 15 | Bhargav D. Ambone | 19 | 27 | 10 | 10 | 66 | A |
| 16 | Atul V. Nikose | 25 | 27 | 10 | 10 | 72 | A |
| 17 | Chankshi K. Masram | 19 | 28 | 10 | 10 | 67 | B |
| 18 | Ruchita R. Bansod | 27 | 28 | 10 | 10 | 75 | A+ |
| 19 | Atharva A. Hinglaspurkar | 30 | 30 | 10 | 10 | 80 | A+ |
| 20 | Bhuvan S. Ambade | 27 | 28 | 10 | 10 | 75 | A+ |
| 21 | Ashish S. Bansod | 29 | 26 | 10 | 10 | 75 | A+ |
| 22 | Kirti Kumrey | 17 | 26 | 10 | 10 | 63 | B |
| 23 | Rutuja Samrit | 23 | 29 | 10 | 10 | 72 | A |

Thakre
Mohatkar
Motghare
Joardar
Bonde
Mankar
Chaware
Dhakate
Nainav
Rutuja
Anchal
Shete
Hardik
Simran
Bansod
Atul
Chankshi
Ruchita
Atharva
Bhuvan
Ashish
Kirti
Rutuja

College- Course Coordinator
Dr. A. D. Bobdey


Course Coordinator
Ms. P.B. Zamarkar




Rashtrasant Tukadoji Maharaj Nagpur University
Board of Lifelong Learning and Extension


Certificate


OF APPRECIATION

Awards this certificate to Shri/Smt./Ku. Sandip B. Malghati on satisfactory completion of the skill based course in Ground Water Exploration under Jeevan Shikshan Abhiyan run by Department of Lifelong Learning and Extension, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in collaboration with Shri Shivaji Education Society Amravati's Science College, Nagpur from 31 / 03 / 2019 to 06 / 04 / 2019

He/She passed at the Examination in Grade - 'A'


Course Co-coordinator
S.S.E.S. Amt's Science College
Congress Nagar, Nagpur


Principal
S.S.E.S. Amt's Science College
Congress Nagar, Nagpur


Director
Dept. of Lifelong And
Extension, R.T.M. Nagpur University

mtrs.

in mtrs

Shri Shivaji Education Society, Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur-12 (M.S.)

India Accredited with CGPA of 3.51 at 'A+' grade by NAAC, Bangalore A
"College with Potential for Excellence" identified by UGC New Delhi.
Institutional Member of APQN Recognized Centre for Higher Learning and
Research Mentor College under 'PARAMARSH Scheme', UGC, New Delhi

SSES Amravati's Science College, Congress Nagar, Nagpur-12
DEPARTMENT OF GEOLOGY

Short Term Course under Jeevan Shikshan Abhiyan on No Grant
Basis (2022-23)

Course Title: Certificate Course in Groundwater Exploration
(Hydrogeology)
Feedback Form

Name of Volunteer.....

Please rate the following aspects of the program on a scale from 1 to 4, with 1 being "Poor" and 4 being "Excellent"

Q.1 Relevance of the event

| | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 1 | 2 | 3 | 4 |

Q.2 Clarity of Instructions

| | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 1 | 2 | 3 | 4 |

Q.3 Engagement of Instructor

| | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 1 | 2 | 3 | 4 |

Q.4 Interaction and Participation

| | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 1 | 2 | 3 | 4 |

Q.5 Benefits of Program

| | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 1 | 2 | 3 | 4 |

