



Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora
College of Arts, Commerce and Science**

Shirur-Ghodnadi, Dist.- Pune, Maharashtra, Pin-412 210

**Criteria-I
Curricular Aspects**

1.3: Curriculum Enrichment

1.3.2.1: Number of students undertaking field work

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College, Shirur
Dist. Pune
NAAC- SSR (Criterion - I)

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1.3: Curriculum Enrichment

1.3.2.1: Number of students undertaking field work

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Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi, Dist.- Pune

2023-24

B.VOC.

(RENEWABLE ENERGY)

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Art's Commerce and Science
Shirur, Dist. Pune - 412 210
Department of Physics and B.Voc. (Renewable Energy)
A.Y. 2023-24
Educational Visit at Bhira Hydroelectric Power Plant
Mangoan, Dist. – Raigad**

Report

Two days educational visit was organized by Department of Physics and Department of B.Voc (R.E.), Chandmal Tarachand Bora College of Arts, Commerce and Science, Shirur, on 23rd and 24th February, 2024 to visit a Bhira Hydroelectric Power Plant , Mangoan, Dist.- Raigad. There were total 44 students along with 3 teachers participated in this two day Educational Visit.

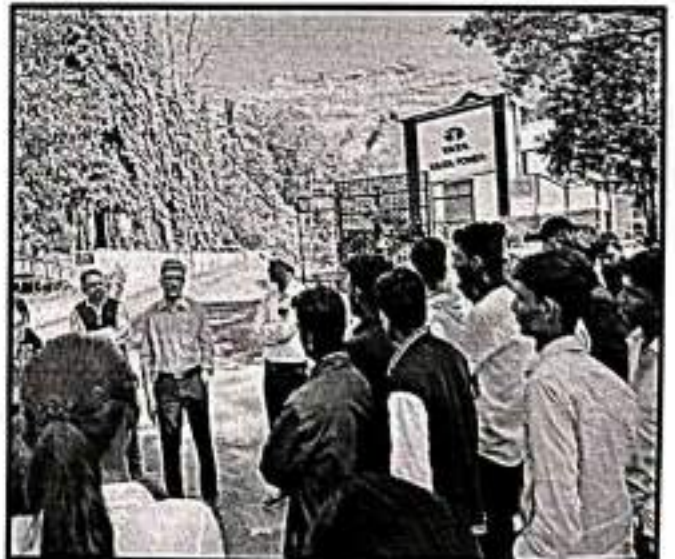
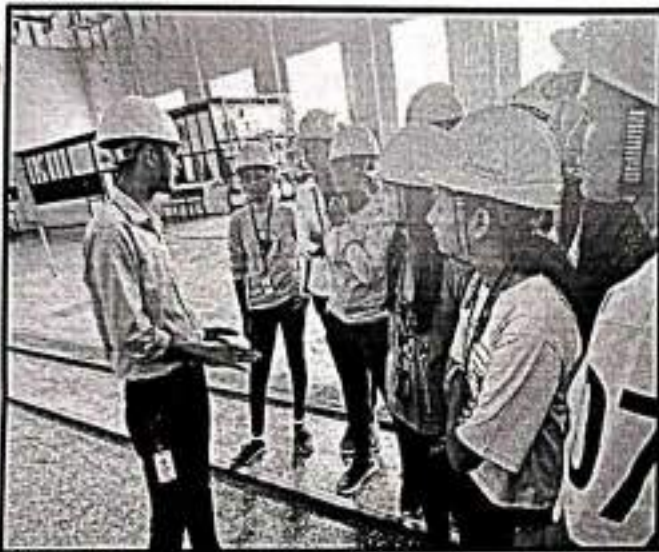
• **The main objectives of the study tour**

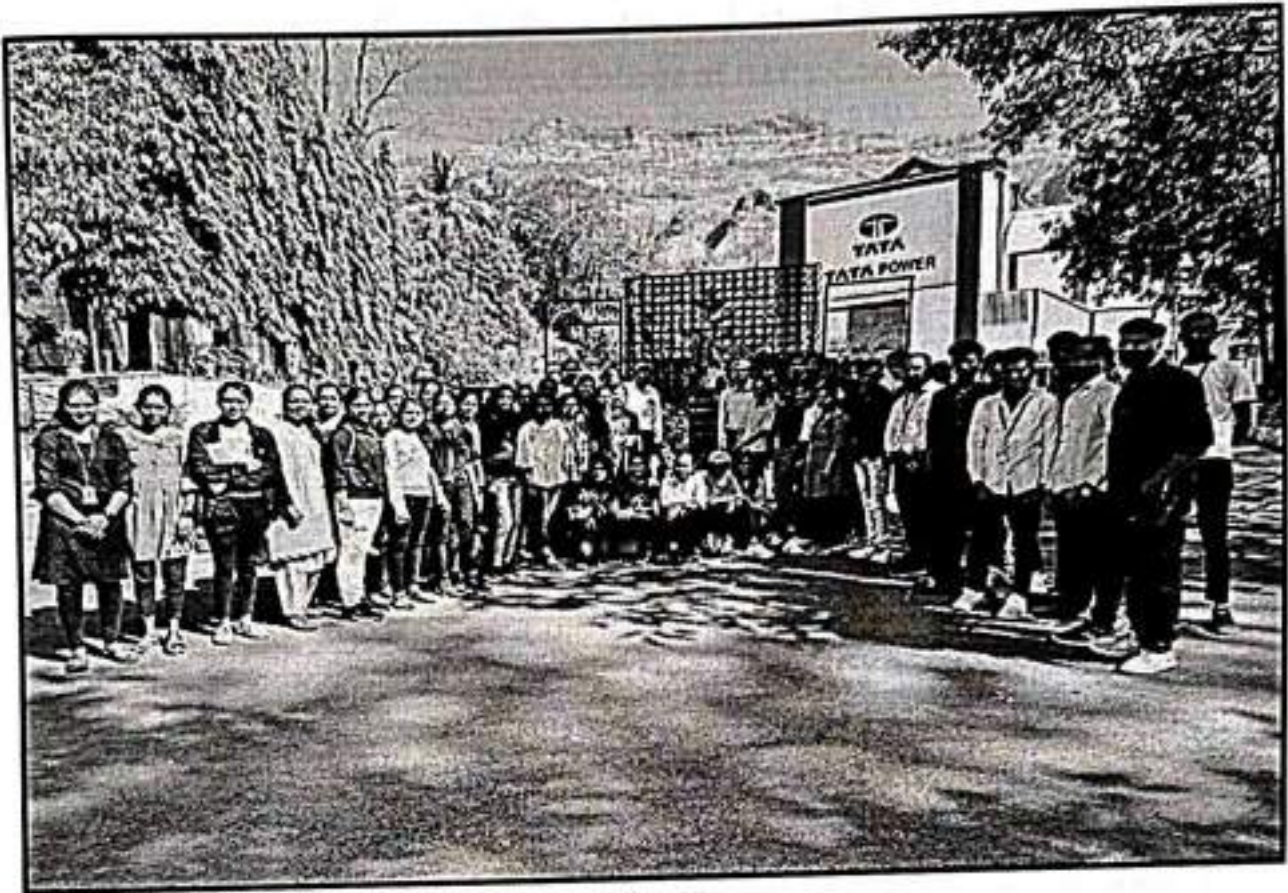
1. To study the electricity generation in Bhira Hydroelectric Power Plant
2. To understand the importance of Renewable energy
3. To aware about the Energy Conservation
4. To provide students with a practical understanding of hydroelectric power generation by visiting a functioning hydropower plant

Bhira Hydropower Plant is located near the Bhira village in Mangoan, Dist. Raigad, Maharashtra, India. It is situated on the Kundalika River, a tributary of the Bhira River. The Bhira Hydroelectric Power Plant was established in 1927 to meet the increasing energy demands of Maharashtra and neighboring regions. Upon arrival at the plant, the students were given a warm welcome by the staff members who briefed them about the history, construction, and functioning of the hydropower plant. The Bhira Hydroelectric Power Plant has maximum output capacity is nominally 300 MW, generated by 6 x 25 MW Pelton turbines and a 150 MW pumped storage generator .The plant operates by diverting water from the river through an intake structure, which then flows through penstocks to the turbines.

Overall, the visit to the Bhira Hydroelectric Power Plant was both educational and engaging. It provided us with a memorable experience that enhanced our understanding of renewable energy.

Photos





D. H. Bobade

Dr. D. H. Bobade

Nodal Officer

Nodal Officer

B. Voc.

C. T. Bora College, Shirur
Dist. Pune

S. P. Kamble
28/02/2024

Dr. S. P. Kamble

Coordinator

K. C. Mohite

Dr. K. C. Mohite

Principal

Principal
C. T. Bora College
Shirur, Dist. Pune

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Art's Commerce and Science
Shirur, Dist. Pune - 412 210**

Department of Physics and B.Voc. (Renewable Energy)

Students List

Sr. No.	Name of Student	Age	Gender
1	GADILKAR SUDARSHAN BALBHIM	19	MALE
2	KALE NEHA ANIL	20	FEMALE
3	OVHAL PRIYANKA SHAHAJI	22	FEMALE
4	BHALERAO GOVIND SAMBHAJI	20	MALE
5	SAYYAD ARMAN SHARPUDDIN	20	MALE
6	SALVE DARSHAN PRAKASH	20	MALE
7	NADE DIPAK HANUMANTH	20	MALE
8	GHAWATE VAISHNAVI ASHOK	21	FEMALE
9	RANKHAMBE GAYATRI DEEPAK	20	FEMALE
10	KHAIRE RITESH SATYAWAN	20	MALE
11	SHITOLE AKANKSHA BHAUSAHEB	19	FEMALE
12	AUTI PRIYA PRADIP	19	FEMALE
13	BHOSALE UTKARSHA KAILAS	19	FEMALE
14	KADAM SHRUTI BABASAHEB	19	FEMALE
15	PANCHAL SUDARSHAN BHAGWAT	23	MALE
16	LOKHANDE RUTUJA	20	FEMALE
17	CHAUDHARY NITUKUMARI SAISARAM	21	FEMALE
18	NICHIT SIDDHESH	19	MALE
19	GHADGE SURAJ	18	MALE
20	JADHAV APEKSHA SANTOSH	19	FEMALE
21	SHELAR SAKSHI SANJAY	19	FEMALE
22	THORAT VRUSHALI SANTRAM	19	FEMALE
23	GADEKAR DIPALI	19	FEMALE
24	LOKHANDE MANSI VAISHNAV	19	FEMALE
25	NEIGHUL SANKET	19	MALE
26	DEVIKAR PRIYANKA	22	FEMALE
27	LINGUDE NIKITA RAMDAS	19	FEMALE
28	WAGHCHAURE DISHA	19	FEMALE
29	RASKAR KIRTI	19	FEMALE

30	CHAUDHARI SHRAVANI MANGESH	19	FEMALE
31	KALE ROHIT	18	MALE
32	KAMBLE SRUSHTI	19	FEMALE
33	DIXIT VAISHNAVI	19	FEMALE
34	KARLE SAMIKSHA SUNIL	19	FEMALE
35	BORATE ADITYA DADA	19	MALE
36	GAWARI DHANAJAY	19	MALE
37	SHINDE CHETANA	20	FEMALE
38	NEHA KURANDALE	20	FEMALE
39	SHELAR HARSHADA	19	FEMALE
40	GORE DHANASHREE	19	FEMALE
41	BHOSALE SHREYA	19	FEMALE
42	PUNDE POONAM	19	FEMALE
43	GHANDHALE PRATIKSHA	19	FEMALE
44	BORADE NIKITA	19	FEMALE

List of Staff

1.	DR. KAMBLE S.P.	MALE
2.	PROF. SMT. KHAIRE A.M.	FEMALE
3.	PROF. SMT. KURANDALE A.R.	FEMALE


Dr. K. C. Mohite
 Principal

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24

**B. B. A. AND B. B. A.
(COMPUTER APPLICATION)**



Chandmal Tarachand Bora College of Arts, Commerce and Science

Shirur - Ghodnadi, District - Pune - 412 210

NAAC Re-accredited : 'B++' Grade

Best College Award (Rural)

(Affiliated to Savitribai Phule Pune University : ID No. PU / PN / ASC / 019 / [1968])

Shirur (Ghodnadi) 412 210 Pune. Tel. 02138 - 222301, 224170

Resi. : 222214, E-mail : ctborainfo68@gmail.com

Dr. K. C. Mohite
M.Sc, M.Phil, Ph.D
Principal

DBT STAR COLLEGE
DST - FIST SPONSORED COLLEGE

Ref. No. 1869/2023-24

Date 22/03/2024

To,
TechnoArtz ,
A/11A, City-Vista, Fountain Road,
Kharadi, Pune.

Subject: - Request to grant permission for Industrial Visit

Dear Sir/Madam,

As a part of partial fulfillment of requirement of Bachelor of Business Administration (B.B.A.) & Bachelor of Business Administration (Computer Application) (B.B.A. (C.A.)) course, students have to prepare project report based on their actual visit to industrial units. We request you to allow our TY B.B.A & B.B.A. (C.A.) students to visit your organization on Thursday 28th March 2024.

Total number of students for Industrial visit is 40.

Thanking you

Total 44 students visited.

Yours Faithfully,

Sayali
Potawale S.R.
Co-ordinator, Industrial visit
Mob: 9270267777

K Mohite
Dr. K. C. Mohite
Principal



Chandmal Tarachand Bora College of Arts, Commerce and Science

Shirur - Ghodnadi, District - Pune - 412 210

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Shirur (Ghodnadi) 412 210 Pune. Tel. 02138 - 222301, 224170

Resi. : 222214, E-mail : ctborainfo68@gmail.com

DBT STAR COLLEGE

DST - FIST SPONSORED COLLEGE

Dr. K. C. Mohite
M.Sc, M.Phil, Ph.D
Principal

Ref. No. 1870/2023-24

Date : 22/03/2024

To,
Kutwal Foods Pvt. Ltd.
Sai Nagar, MH SH 61,
Andhalgaon,
Pune.

Subject: - Request to grant permission for Industrial Visit

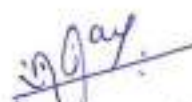
Dear Sir/Madam,

As a part of partial fulfillment of requirement of Bachelor of Business Administration (B.B.A.) & Bachelor of Business Administration (Computer Application) (B.B.A. C.A.) course, students have to prepare project report based on their actual visit to industrial units. We request you to allow our TY B.B.A & B.B.A. (C.A.) students to visit your organization on Thursday 28th March 2024. Total number of students for Industrial visit is 40.

Thanking you

Total 44 student visited.

Yours Faithfully,


Suryawanshi V.B.
Co-ordinator, Industrial visit
Mob: 9561808797




Dr. K. C. Mohite
Principal

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Arts, Commerce &
Science, Shirur.**

Department of B.B.A.

.A.Y. 2023-24

List of Industrial Visit Students

shirur to Pune (Morning) Date:- 28/03/2024

Sr. No	Name of the Students	Mobile No.	Sign
1	Khan Sidra Ayaj	7499346144	
2	Shinde Shrutika Sandip	9028452423	<i>S. Shrutika</i> <i>Shinde</i>
3	Kadam Snehal Ashok	8459247073	<i>Snehal</i>
4	Madge Akanksha Shivaji	8698796553	<i>Akanksha</i>
5	Mali Sakshi Machindra	9322341890	<i>Sakshi</i>
6	Salke Pratik Sanjay	7517264889	<i>Pratik</i>
7	Raskar Om Sukhdev	9730988371	<i>Raskar</i>
8	Surkunde Ashish Devram	9096512519	<i>Ashish</i>
9	Bodge Sagar Asaram	8010843115	<i>Sagar</i>



Shirur Shikshan Prasarak Mandal's
**Chandmal Tarachand Bora College of Arts, Commerce &
 Science, Shirur.**

Department of B.B.A.(C.A.)

A.Y. 2023-24

List of Industrial Visit Students

Date:- 28/03/2024

Sr. No	Name of the Students	Mobile No.	Sign
1	Londhe Shraddha Balu	7385309633	<i>Londhe S.R.</i>
2	Wagadare Sadhana Dattatray	7888167437	<i>Wagadare</i>
3	Jamdar Vaishnavi Mahendra	7249376563	<i>Vaishu</i>
4	Pathare Archana Sudam	8830535283	<i>Pathare</i>
5	Karkhile Chaitali Subhash	9975270061	<i>Chaitali</i>
6	More Diksha Subhash	9890958399	<i>Diksha</i>
7	Kurundale Kadambari Dnyandev	9156283009	<i>Kurundale</i>
8	Thorat Pooja Ramdas	7823841579	<i>Thorat</i>
9	Shelke Shradha Dadabhau	9561233194	<i>shradha</i>
10	Gaikwad Divya Dnyaneshwar	9561764718	<i>Divya</i>
11	Ichake Harshada Bharat	7028772400	<i>Ichake</i>
12	Jagdale Rutuja Santosh	9623818703	<i>RJagdale</i>
13	Jagdale Priyanka Hambir	9172315171	<i>Priyanka</i>
14	Madge Komal Satish	8788149087	<i>Komal</i>
15	Chavan Shubham Harishdandra	8421829114	<i>Shubham</i>
16	Walunj Pratiksha Bhagchand	9309196871	<i>Walunj</i>
17	Pathare Anisha Sunil	8010670955	<i>Pathare A.S.</i>
18	Rathod Ajay Navnath	7620411052	<i>Ajay</i>
19	Kardile Sayali Sahebrao	8446361263	<i>Kardile</i>



20	Kardile Poonam Lakshman	7030761702	<u>Kardile</u>
21	Sonawane Chetan Sambhaji	8530888706	<u>Sonawane</u>
22	Shelke Vyankatesh Sachin	7875696285	<u>Shelke</u>
23	Ghadge Pratik Pradeep	9511681215	<u>Ghadge</u>
24	Nimbore Soham Rajendra	9373757229	<u>Nimbore</u>
25	Panikar Amal Sudhakar	9778011768	<u>Panikar</u>
26	Sonawane Harshwardhan Rakesh	7249785753	<u>Sonawane</u>
27	Panmand Surshti Dada	9309237323	<u>Panmand</u>
28	Pathare Seema Bhanudas	9764518046	<u>Pathare</u>
29	Jagtap Sakshi Ramdas	7028717723	<u>Jagtap</u>
30	Gawade Sujit Sanjay	8855962355	<u>Gawade</u>
31	Gawade Harshwardhan Paraji	8788346045	<u>Gawade</u>
32	Shelke Vrushali Santosh	9699183878	<u>Shelke</u>
33	Vadhavne Gokul Dhondibhau	9529236050	<u>Vadhavne</u>
34	Borude Sager Sharad	8446432061	<u>Borude</u>
35	More Onkar Pravin	8605742911	<u>More</u>

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Arts, Commerce &
Science, Shirur.**








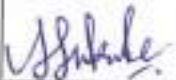

Department of B.B.A.

A.Y. 2023-24

List of Industrial Visit Students

Evening (Evening)

Date:- 28/03/2024

Sr. No	Name of the Students	Mobile No.	Sign
1	Khan Sidra Ayaj	7499346144	
2	Shinde Shrutika Sandip	9028452423	
3	Kadam Snehal Ashok	8459247073	
4	Madge Akanksha Shivaji	8698796553	
5	Mali Sakshi Machindra	9322341890	
6	Salke Pratik Sanjay	7517264889	
7	Raskar Om Sukhdev	9730988371	
8	Surkunde Ashish Devram	9096512519	
9	Bodge Sagar Asaram	8010843115	



Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Arts, Commerce &
Science, Shirur.

Department of B.B.A.(C.A.)

A.Y. 2023-24

List of Industrial Visit Students

Date:- 28/03/2024

Sr. No	Name of the Students	Mobile No.	Sign
1	Londhe Shraddha Balu	7385309633	Londhe S. B.
2	Wagadare Sadhana Dattatray	7888167437	
3	Jamdar Vaishnavi Mahendra	7249376563	
4	Pathare Archana Sudam	8830535283	
5	Karkhile Chaitali Subhash	9975270061	
6	More Diksha Subhash	9890958399	
7	Kurundale Kadambari Dnyandeve	9156283009	
8	Thorat Pooja Ramdas	7823841579	
9	Shelke Shradha Dadabhau	9561233194	
10	Gaikwad Divya Dnyaneshwar	9561764718	
11	Ichake Harshada Bharat	7028772400	
12	Jagdale Rutuja Santosh	9623818703	
13	Jagdale Priyanka Hambir	9172315171	
14	Madge Komal Satish	8788149087	
15	Chavan Shubham Harishdandra	8421829114	
16	Walunj Pratiksha Bhagchand	9309196871	
17	Pathare Anisha Sunil	8010670955	
18	Rathod Ajay Navnath	7620411052	
19	Kardile Sayali Sahebrao	8446361263	



20	Kardile Poonam Lakshman	7030761702	<u>Kardile</u>
21	Sonawane Chetan Sambhaji	8530888706	<u>Sonawane</u>
22	Shelke Vyankatesh Sachin	7875696285	<u>Shelke</u>
23	Ghadge Pratik Pradeep	9511681215	<u>Ghadge</u>
24	Nimbore Soham Rajendra	9373757229	<u>Nimbore</u>
25	Panikar Amal Sudhakar	9778011768	<u>PS Amal</u>
26	Sonawane Harshwardhan Rakesh	7249785753	<u>HR Sonawane</u>
27	Panmand Surshti Dada	9309237323	<u>Panmand</u>
28	Pathare Seema Bhanudas	9764518046	<u>Pathare</u>
29	Jagtap Sakshi Ramdas	7028717723	<u>Jagtap</u>
30	Gawade Sujit Sanjay	8855962355	<u>Gawade</u>
31	Gawade Harshwardhan Paraji	8788346045	<u>(H)</u>
32	Shelke Vrushali Santosh	9699183878	<u>Shelke</u>
33	Vadhavne Gokul Dhondibhau	9529236050	<u>Gokul</u>
34	Borude Sager Sharad	8446432061	<u>Sager</u>
35	More Onkar Pravin	8605742911	<u>More</u>



Girls - 22

Boys - 13

Total - 35

Date: - 20/03/2024

To,
The Principal,
Chandmal Tarachand Bora College
of Arts, Commerce & Science, Shirur.
Dist- Pune

Subject:-Permission Regarding One Day Industrial Visit for BBA & BBA (CA) Students.

Respected Sir,

As per above subject, Department of B.B.A. & B.B.A.(C.A.) are coordinately organizing one day industrial visit on 28th March 2024. The following are details about the visit.

Date of Visit	Name of Company	Number Of Students	Amount Per Student.
28 th March 2024 (One Day Visit)	Kutwal Foods Pvt. Sai Nagar, Andhalgaon, Tal. Shirur, Dist. Pune- 412 211	40	1200/- (Including Breakfast, Lunch, Dinner & Traveling Charge)
	TechnoArts Kharadi, Pune	40	

You are requested to grant permission for the industrial visit.

Thanking You.


Prof. Taksale K.R.
Coordinator of BBA (CA)


Dr. Gore D.N.
Coordinator of BBA

Prof. H.S. Tadhar
Pls. discuss
(K. Malle)

BBA & B.B.A (C.A.)
Industrial Visit
28/3/24

1) Travel	18,000/-
2) Breakfast	$40 \times 100 = 4000$
3) Lunch	$40 \times 200 = 8000$
4) Dinner	$40 \times 200 = 8000$
5) Tea	$10 \times 40 = 400$
6) Water	$40 \times 20 = 800$
7) Other	$= 4000$

45000/- approx

1200 per student
 $\times 40$
48,000/-



**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Arts, Commerce &
Science, Shirur.**

.A.Y. 2023-24

List of Industrial Visit Students

Sr. No	Name of the Students	Mobile No.	Age
1	Khan Sidra Ayaj	7499346144	20
2	Shinde Shrutika Sandip	9028452423	20
3	Kadam Snehal Ashok	8459247073	20
4	Madge Akanksha Shivaji	8698796553	20
5	Mali Sakshi Machindra	9322341890	20
6	Salke Pratik Sanjay	7517264889	20
7	Raskar Om Sukhdev	9730988371	19
8	Surkunde Ashish Devram	9096512519	20
9	Bodge Sagar Asaram	8010843115	20
10	Londhe Shraddha Balu	7385309633	20
11	Wagadare Sadhana Dattatray	7888167437	20
12	Jamdar Vaishnavi Mahendra	7249376563	20
13	Pathare Archana Sudam	8830535283	20
14	Karkhile Chaitali Subhash	9975270061	20
15	More Diksha Subhash	9890958399	20
16	Kurundale Kadambari Dnyandev	9156283009	20
17	Thorat Pooja Ramdas	7823841579	20
18	Shelke Shradha Dadabhau	9561233194	20
19	Gaikwad Divya Dnyaneshwar	9561764718	20



20	Ichake Harshada Bharat	7028772400	20
21	Jagdale Rutuja Santosh	9623818703	20
22	Jagdale Priyanka Hambir	9172315171	20
23	Madge Komal Satish	8788149087	20
24	Chavan Shubham Harishdandra	8421829114	20
25	Walunj Pratiksha Bhagchand	9309196871	20
26	Pathare Anisha Sunil	8010670955	20
27	Rathod Ajay Navnath	7620411052	20
28	Kardile Sayali Sahebrao	8446361263	20
29	Kardile Poonam Lakshman	7030761702	20
30	Sonawane Chetan Sambhaji	8530888706	20
31	Shelke Vyankatesh Sachin	7875696285	20
32	Ghadge Pratik Pradeep	9511681215	20
33	Nimbore Soham Rajendra	9373757229	20
34	Panikar Amal Sudhakar	9778011768	20
35	Sonawane Harshwardhan Rakesh	7249785753	20
36	Panmand Surshti Dada	9309237323	20
37	Pathare Seema Bhanudas	9764518046	20
38	Jagtap Sakshi Ramdas	7028717723	20
39	Gawade Sujit Sanjay	8855962355	20
40	Gawade Harshwardhan Paraji	8788346045	20
41	Shelke Vrushali Santosh	9699183878	20
42	Vadhavne Gokul Dhondibhau	9529236050	20
43	Borude Sager Sharad	8446432061	20
44	More Onkar Pravin	8605742911	20



**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Arts, Commerce &
Science, Shirur.**

Department of B.B.A.

A.Y. 2023-24

List of Industrial Visit Students

Date:- 28/03/2024

Sr. No	Name of the Students	Mobile No.	Sign
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Chandmal Tarachand Bora College of Arts, Commerce &
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Department of B.B.A.(C.A.)

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3	Jamdar Vaishnavi Mahendra	7249376563	121 (मिठाले) Vaishnavi
4	Pathare Archana Sudam	8830535283	Pathare 121 (मिठाले)
5	Karkhile Chaitali Subhash	9975270061	chaitali 121 मिठाले
6	More Diksha Subhash	9890958399	121 मिठाले Diksha
7	Kurundale Kadambari Dnyandeve	9156283009	121 मिठाले Kadambari
8	Thorat Pooja Ramdas	7823841579	121 मिठाले P.
9	Shelke Shradha Dadabhau	9561233194	121 मिठाले shradha
10	Gaikwad Divya Dnyaneshwar	9561764718	Divya 121 मिठाले
11	Ichake Harshada Bharat	7028772400	121 मिठाले Harshada
12	Jagdale Rutuja Santosh	9623818703	121 RS मिठाले Rutuja
13	Jagdale Priyanka Hambir	9172315171	121 RS मिठाले Priyanka
14	Madge Komal Satish	8788149087	121 RS मिठाले Komal
15	Chavan Shubham Harishdandra	8421829114	121 got it
16	Walunj Pratiksha Bhagchand	9309196871	121 मिठाले Walunj
17	Pathare Anisha Sunil	8010670955	121 मिठाले Pathare.A.S.
18	Rathod Ajay Navnath	7620411052	121 मिठाले Rathod
19	Kardile Sayali Sahebrao	8446361263	121 RS मिठाले Kardile



20	Kardile Poonam Lakshman	7030761702	121 मिळाले Kardile
21	Sonawane Chetan Sambhaji	8530888706	121 मेरेने Sonawan.
22	Shelke Vyankatesh Sachin	7875696285	121 मेरेने Shelke
23	Ghadge Pratik Pradeep	9511681215	121 मेरेने Ghadge
24	Nimbore Soham Rajendra	9373757229	121 मेरेने Nimbore
25	Panikar Amal Sudhakar	9778011768	121 मेरेने Panikar
26	Sonawane Harshwardhan Rakesh	7249785753	121 मेरेने Sonawane
27	Panmand Surshti Dada	9309237323	121 मिळाले Panmand
28	Pathare Seema Bhanudas	9764518046	121 मिळाले Pathare
29	Jagtap Sakshi Ramdas	7028717723	121 मिळाले Jagtap
30	Gawade Sujit Sanjay	8855962355	121 मिळाले Gawade
31	Gawade Harshwardhan Paraji	8788346045	121 मिळाले Gawade
32	Shelke Vrushali Santosh	9699183878	121 मिळाले Shelke
33	Vadhavne Gokul Dhondibhau	9529236050	121 मिळाले Vadhavne
34	Borude Sager Sharad	8446432061	121 मिळाले Borude
35	More Onkar Pravin	8605742911	121 मिळाले More



[Signature]
Head

Department of B.A. (C.A.)
Chandralal Tarachand Bora College
of Arts, Commerce and Science
Shirur-Ghodnadi, Dist.-Pune

Date: 22/03/2024

To,
Kutwal Foods Pvt. Ltd.
Sai Nagar, MH SH 61,
Andhalgaon,
Pune.

Subject: - Request to grant permission for Industrial Visit

Dear Sir/Madam,

As a part of partial fulfillment of requirement of Bachelor of Business Administration (B.B.A.) & Bachelor of Business Administration (Computer Application) (B.B.A. C.A.) course, students have to prepare project report based on their actual visit to industrial units. We request you to allow our TY B.B.A & B.B.A. (C.A.) students to visit your organization on Thursday 28th March 2024. Total number of students for Industrial visit is 40.

Thanking you

Yours Faithfully,



Suryawanshi V.B.
Co-ordinator, Industrial visit
Mob: 9561808797



Dr. K. C. Mohite 22/03
Principal

Date: 22/03/2024

To,
TechnoArtz,
Kharadi,
Pune.

Subject: - Request to grant permission for Industrial Visit

Dear Sir/Madam,

As a part of partial fulfillment of requirement of Bachelor of Business Administration (B.B.A.) & Bachelor of Business Administration (Computer Application) (B.B.A. (C.A.)) course, students have to prepare project report based on their actual visit to industrial units. We request you to allow our TY B.B.A & B.B.A. (C.A.) students to visit your organization on Thursday 28th March 2024. Total number of students for Industrial visit is 40.

Thanking you

Yours Faithfully,

Sayali

Potawale S.R.
Co-ordinator, Industrial visit
Mob: 9270267777

K. Mohite
Dr. K. C. Mohite
Principal 22/03

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi, Dist.- Pune

2023-24



F. Y. B. SC.

SSPM's
CHANDMAL TARACHAND BORA COLLEGE
 SHIRUR PUNE- 412 210
 DEPARTMENT OF BOTANY AND GEOGRAPHY
 FIRST YEAR STUDY TOUR 2023-2024 (08/09/2023)
 SHIRUR- PUNE- VARANSHA GRANT- SHIVTIAGORAI- TAJIRHIGRANT- PUNE-SHIRUR

Sr. No	Name of Students	Roll No.	Age	Mobile No.
1	MALGURDE PRAJNAL SANLIY	2892	18	7499239262
2	ZAREKAR SAMRUDDHI NITIN	2896	18	9852251082
3	DESHMUKH DIVYA DILIP	2811	18	8767884397
4	PACHARNE VEDIKA VIRAYAK	2900	18	9307696358
5	DHORAJKAR SIDDHI DATTATRAY	2849	18	8625932964
6	KALE SNEHAL SHIVARAJ	2847	18	9623818648
7	MAHALAN AISHWARYA ARVIND	2842	18	9823672711
8	KURUNDALE SAKSHI GAUTAM	2826	18	9511685726
9	KARANJULE SAYALI RAJENDRA	2823	18	9403573995
10	DHAWALE PRATIKSHA RAJENDRA	10011	18	8087784680
11	DHAWALE PRATIKSHA RAJENDRA	2890	18	8766661768
12	DHAWALE YOJANA NAVNATH	2861	18	9852642465
13	DEVGIRE GUSHMA BAPU	2889	18	9373931121
14	VEER PRADNYA MOHAN	2881	18	8669001630
15	KIRAN MIKEBH GADEKAR	2919	18	9561757042
16	PATHAN SHAHID KADAR	2855	18	9172843553
17	PANDHARE AKANKSHA BHARAT	2837	18	9975035506
18	SANGHAVI ARYA PARESHKUMAR	2843	18	9322963961
19	SHERKE SAMRUDDHI MININATH	2832	18	9322108744
20	DHAWADE PRANAV BABURAO	2897	18	9689262460
21	GAIKWAD VEDANT MACHINDRANATH	2882	18	8766612230
22	PAGIRE PRITAM LAXMAN	10011	18	8467807647
23	DALAVI JAYSHRI RAMDAS	2827	18	9689976034
24	SALKE JANHAVI RAJENDRA	2873	18	9822253442
25	CHABUKSIKAR PRATIKSHA SAMPAT	2877	18	8380835139
26	LATE NIKITA BALBHIM	10005	18	9763278262
27	KARANDE TEJAS DILEEP	2851	18	9561417342
28	WALUNJ PRATIKSHA GOVIND	2883	18	8766885927
29	PHAND ARPITA RAJARAM	2878	18	8080573764
31	KAD SHRUTI MOHAN	2864	18	9156338766
32	KHARMALE ADITI MACHINDRA	2836	18	8080996083
33	GORADE PRIYANKA DATTATRAY	2822	18	9890938917
34	VIDHATE HARSHADA ARJUN	2846	18	7276372531
35	VAYDANDE PREM HEMANT	2821	18	7248930473



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 DEPARTMENT OF BOTANY AND GEOGRAPHY
 FIRST YEAR STUDY TOUR 2023-2024 (08/09/2023)
 SHIRUR-PUNE-VARANDEHA GHAT-SHEVTRARGHAT-TAHMINI GHAT-PUNE SHIRUR

Sr. No	Name of Students	Roll No.	Age	Mobile No.
36	JADHAV YASH ASHOK	2839	18	9284439998
37	SHINGADE PRUTHVIRAJ YASHWANT	2866	18	8459956643
38	WALKE SAPANA BALASAHEB	10004	18	9579555696
39	SHINDE VAISHNAVI JAYSHING	10010	18	8208562198
40	MOHINI ANIL ADGARE	2828	18	7030521780
41	PATHAN BABAKHAN MADARKHAN	2892	18	8600791489
42	LIPADHYAY ARYA KANHAJYYA	10006	18	7823824485
43	KARDE KAVERI DEEPAK	2858	18	7378626165
44	KALE OM SUNIL	2893	18	7796590524
45	KALE PIYUSH ANIRJODH	2859	18	7410794886
46	SINNARKAR ADITYA DURVESH	2916	18	9890271270
47	JAGTAP SURAJ CHANDRAKANT	2895	18	7355917797
48	GADEKAR DNYANESHWARI DIPAK	2897	18	7709780910
49	KOPNAR LOKESH SANTOSH	2854	18	7709318544
50	NICHT SUNAKSHI NATHA	2902	18	7276592617
51	SHELKE GAURAV SHYAM	2860	18	8766035835
52	JADHAV HARSHAD SITARAM	2838	18	8799833004
53	JADHAV ATHRAV RAMCHANDRA	2852	18	9870843472
54	GAIKWAD NANDINI SHASHIKANT	2923	18	9921600986
55	HARDE PRATIK BHVAJI	2869	18	9022448680
56	CHAVAN HARSHAD FANDIT	2899	18	9175442152
57	RAKSHE VAISHNAVI GORAKH	2903	18	7391943633
58	GHUGE ASMITA UDDHAVRAO	2856	18	8055720819
59	KAUTHALE SHRUTI VITTHAL	10011	18	8237423424
60	BANDAL VAISHNAVI VINAYAK	2810	18	8788770346
61	GHAYATADAK SARSHI VINAYAK	2814	18	9979032709
62	SHINDE CHETNA NANDRISHOR	2844	18	7498349725
63	VARE SHARADA GANPAT	2801	18	8108441052
64	KHADE NILESH SANTOSH	2867	18	8468899574
65	GEJAGE VAISHANVI DIPAK	2845	18	9960127113
66	BURYAWANSHI DIVYA SHIVAJI	2804	18	8090870162
67	SHAIKH SANIYA PAPA	2803	18	9373620370
68	KUMBHAR ADITI ASHOK	2833	18	9881362446
69	KADAM RUTUJA SUNIL	2819	18	9657072917
70	KUTAL SWATI SURAM	2802	18	9699671147



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 SHIRUR- PUNE- VARANDHA GHAT- SHIVTHARGHAL- TAHMINI GHAT- PUNE SHIRUR

Sr. No	Name of Students	Roll No.	Age	Mobile No
72			18	
73			18	
74			18	
75			18	
76			18	
77			18	
78			18	
79			18	
80			18	
NAME OF TEACHERS				
1.	Dr. Atul M. Jete	Geography	44	98760298
2.	Dr. Vikas B Naikawadi	Botany	39	90284135
3.	Dr. Ayodhya Kshirsagar	Botany	35	897573788

Dr. Vikas Naikawadi
 Dr. Vikas Naikawadi



Dr. K.C.M.
 Dr. K.C.M.
 Principal

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi, Dist.- Pune

2023-24

S. Y. B. SC.

M.SC. (BOTANY)

S. S. P. Mamdal's
Chandmal Tarachand Bora College Shirur
Department of Botany
Study Tour Report -2023-24
Date- 6th Nov. 2023 to 7th Nov. 2023

Study tour report for S.Y. BSc, M. Sc-I and M. Sc-II students' Academic year 2023-2024

Study tour for the S.Y. B. Sc, M. Sc-I and M. Sc-II class was organized from 06th Nov. 2023 to 7th Nov. 2023 at Mulshi, Tamhini ghat, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth Dapoli, Mahabaleshwar. It was a two days excursion tour. In this study tour 36 students participated along with 03 staff members from the Department of Botany were guided the students about flora. The journey was started 6th Nov. 2023 at 02:00 am from Shirur to Tamhini ghat.

We reached to Tamhini ghat at 6:00 am. The student were informed by giving geographical information, soil type, forest type, medicinal plants, endemic, endangered plants, sacred grove etc. photographs of endangered and wild plants were taken *Canscora diffusa*, *Woodfordia*, *Ageratum*, *ferns*, *Orchids*, *Colebrookea*, *Lasiosiphon*, *Lucas*, *Gnetum*, lichen, *Pimpinella*, *Flemengia*, *Beutia monosperma*, *Carvai*, different type of fungi growing on wodden logs, leafs and others plants were collected from Tamhini Ghat.

After visiting the Tamhini ghat, we visited the second location of Dapoli. On reaching Dapoli, the first visit on the agenda was to Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth. At Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth campus we visited the Lakhi Baug of spices tree plantation mixed cropping with annual perennial crops plant project. In that students were observed the different plant growing conditions and mix propagation methods of Coconut, Nutmet, Areca palm, Kokum, Cinnamon, Piper, Cardamom and different verities of Turmeric. Along with we visited the Rubber plantation and production unit.

On next day 7th Nov.2023 morning 7:00 am we moved to visited the Charak Aushadhi Vatika. In that we observed the different medicinal plant use in Vitalisers, Antidermotosis, Antihelminthic, Antidypsics, Sensostatics etc. we visited the Biodiversity Park cum zoonotic



valley. Near the Biodiversity Park cum genomic valley we visited to Agarbatti production unit and horticulture unit as well as Nakshatra garden. Finally in Krishi Vidyapeeth campus we visited the Biotechnology Unit. The expert of Biotechnologist guided about the plant tissue culture of different commercially important plants.

After that we reached at Mahabaleshwar is one of the historical place. We visited the Mahabaleshwar Temple, Atibaleshwar Temple and Shir Koteshower Temple.

The return journey was started at 8:00 pm proceeding toward Mahabaleshwar to Pune- Shirur. We reached at Shirur at 1.15 am safely.

The student's behavior was proper. There was no delay in scheduled program. We completed our tour by travelling a distance of 616 Km successfully everything was done by proper manner.

Staff Member: 1. Dr. Ayodhya Kshirsagar (Trip Incharge) Ayodhya Kshirsagar
2. Dr. Sandip Devikar Sandip Devikar
3. Prof. Apeksha Gadekar Apeksha Gadekar

Date: 09/11/2023

Ayodhya Kshirsagar
8/11/2023
Dr. Ayodhya Kshirsagar
Co-ordinator



N. M. Ghangaonkar
08/11/2023
Dr. N. M. Ghangaonkar
Head Dept. of Botany

M. K. Mahale
10/11/2023

**CHANDMAL TARACHAND BORA COLLEGE
SHIRUR, PUNE: 412 210.**

DEPARTMENT OF BOTANY

**STUDY TOUR REPORT
VARANDHA - SHIVTHARGHAL - TAMHINI**



2023-2024



AIM AND OBJECTIVES

- 1) To understand plant diversity from Central Western Ghats (Maharashtra) region.
- 2) To understand morphological features of seasonal R.E.T plant species
- 3) To understand importance of plant conservation practices.



FLORISTIC DIVERSITY VARANDHA GHAT





INTRODUCTION

- ❖ The Western Ghats form a mountain range that runs parallel to the western coast of India from 8.318889°N to 21.27333°N for more than 1,600km. Together with Sri Lanka it is one of the 34 biodiversity hotspots designated based on high species endemism and also high degree of threat due to habitat loss. The region has diverse habitats ranging from dense tropical forests to sholas, swamps and rocky outcrops supporting endemic flora and fauna. The entire range is an important watershed area with many hill streams and river valleys formed by deep weathering. The weathering has given rise to hills with steep slopes, tall cliffs and flat or conical mountain tops.
- ❖ The Western Ghats are of igneous origin and geo-morphologically the range is actually the western escarpment of the Deccan Plateau formed by volcanic eruption between 60 and 68 million years ago. Based on the parent rock, the Western Ghats can be separated into two sections. The south of the river Kali in Karnataka is the region of Precambrian archaic crystalline rocks. The hills have rounded tops and they rise to 2,000m or more. This section, known as the southern Western Ghats is rich in arboreal diversity sheltered by dense evergreen forests. North of the Kali River is the Deccan trap country having relatively fragile rocks with hills not rising beyond 1,650m and having flat hill tops showing outcroppings of Interite and basalt. Strong seasonality together with typical geological and geomorphological features of this region have influenced the plant and animal ecology with regards to diversity of life-forms. Monsoon herbs are abundant and show higher endemism as compared to the woody endemics.
- ❖ Cliffs include a variety of microhabitats and hence can have a diversity of plant life forms. Perennial shrubs and tree species are well established wherever humus or soil is present. The ephemeral vegetation seen during and post monsoon, however, is abundant on the cliff face, ledges and crevices. The habitat is not easily accessible, but secondary vertical cliffs faces seen along roads in mountain passes, known as Ghats in vernacular (Marathi) also support a majority of typical elements of cliff flora. Many floristic exploratory works on various district floras of the Indian state of Maharashtra have studied vegetation of the Ghats. These studies mention ghats as a habitat or location of certain species but do not give detailed information regarding microhabitat preference or adaptive features of ghat flora. Also none of them discussed the presence of specific features generally reported as life strategies for cliff species or mentioned the general floristic composition. A detailed compilation of ghat flora from the entire Western Ghats is a much-needed one. Ecological studies of cliff habitats in the NWG are also scarce. Similar is the situation in the rest of India as well, where floristic literature takes cognizance of cliff as a habitat but ecological studies of cliffs have not been undertaken.





Figure 1. Locations of mountain passes in Northern Western Ghats which show predominance of cliff habitats (Map prepared using GIS 2.35.11)

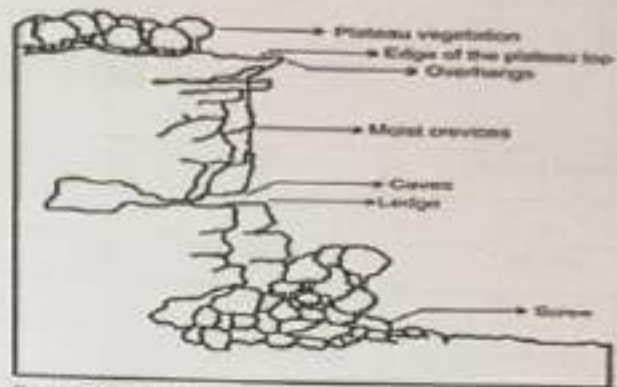


Figure 2. Microhabitats on cliffs

VARANDHA GHAT

Varandha Ghat is a mountain passage located between Bhor and Mahad in Maharashtra, India. Situated on the crest of the Western Ghats mountain ranges, Varandha Ghat is noted for its surroundings comprising scenic waterfalls, lakes and dense woods. The best time to visit is October through November. The Varandha road ghat cuts the Sahyadri range to join Bhor to Mahad and makes the route in Konkan from Pune. This ghat stretches almost 22 km. The road is now very good and newly laid. The entire stretch becomes a popular destination during the monsoons. During the rainy season, the place transforms into a green bed with many waterfalls and streams. There are state buses which play through the Ghats connecting Pune city with places on the Goa highway (NH17). Varandha Ghat can be accessed from Mumbai via the Mumbai-Goa Highway by reaching Mahad and after crossing the bridge over Savitri River, take the left turn that leads to Pune via the Nira Deodhar Dam backwaters. Varandha Ghat is the stretch between Mahad and these backwaters. It contains different kinds of green velvety carpets, gushing streams, dark grey clouds stooping low, and the occasional waterfalls. These impromptu waterfalls attract tourists from far and wide. From the Varandha Ghat, the road that leads to the Nira Diodhar backwaters which goes to the waterfall at Varandha. This particular waterfall is nowadays getting crowded. Further ahead is Mahad which is now becoming immensely popular for Industrial townships. The Western Ghats are one of the globally recognized "hot spots" of biodiversity in India. In Maharashtra small patches of forest in the Ghats are protected by local people as "sacred groves." They are called "Devrai" which have been managed by local people and are dedicated to the deity in the grove. These groves act as benchmarks of less disturbed vegetation.



LIST OF SPECIES

	Scientific Name	Common Name	Family	Ecological Remark
ALGAE				
1.	<i>Anabaena torulosa</i>	Shewal	Nostocaceae	Fresh water
2.	<i>Cylindrocapsa</i>	Shewal	Nostocaceae	Fresh water
3.	<i>Nostoc</i> Sp.	Shewal	Nostocaceae	Fresh water
4.	<i>Microcystis</i> Sp.	Shewal	Croococcales	Fresh water
5.	<i>Spirulina</i> Sp.	Shewal	Oscillatoriaceae	Fresh water
6.	<i>Lyngbya</i> Sp.	Shewal	Oscillatoriaceae	Fresh water
7.	<i>Stigonema</i> Sp.	Shewal	Stigonemataceae	Fresh water
FUNGI				
1.	<i>Amylostereum chailletii</i> Pers.	Amylostereum rot	Stereaceae	Crust like
2.	<i>Coprinella disseminata</i>	Fairy's bonnets	Psathyrellaceae	Fruits in clusters
3.	<i>Dactylospora quercina</i>	Blushing bracket	Polyporaceae	Large fruiting body
4.	<i>Favosites ferrug</i>	White rot fungi	Meruliaceae	Yellow Hymenophore
5.	<i>Ganoder malacidan</i>	Lingsi mushroom	Ganodermataceae	Bio remediation
6.	<i>Hexagonia tenax</i>	Wood rot fungi	Polyporaceae	Thin leathery cap
7.	<i>Marasmius</i> spp.	Armillia root rot	Marasmiaceae	Anti cancerous
8.	<i>Microporus xanthopus</i> Fr.	Yellow footed polypore	Polyporaceae	Grows on rotting
9.	<i>Polyporus holoma</i>	Poroid fungi	Polyporaceae	White stripe found
10.	<i>Rigidoporus maris</i>	White root rot	Meripilaceae	Plant pathogen on broad leaves
11.	<i>Xylaria hypoxylon</i>	Candle stick fungus	Xylariaceae	Cylindrical 3-8 cm long ascocarp
BRVOPHYTES				
1.	<i>Anthoceros</i> spp.	Hamwort	Anthocerotaceae	Found in moist clayey
2.	<i>Funaria</i> spp.	Moss	Funariaceae	Grows in shady cool places
3.	<i>Riccia</i> spp.	Liverwort	Ricciaceae	Rosette thalli in
4.	<i>Asiella</i>	Liverwort	Ricciaceae	Long, Rosette thalli, line shaped sporophyte
PTERIDOPHYTES				
1.	<i>Adiantum nigrum</i>	Walking maiden	Adiantaceae	Grows in creeping
2.	<i>Asplenium</i>	Spleenworts	Asplenaceae	Rock inhabiting fern
3.	<i>Cheilanthes farinosa</i>	Silver fern	Pteridaceae	Rock dwelling fern
4.	<i>Lygodium</i> spp.	Climbing fern	Lygodaceae	Rachis long, slender
5.	<i>Selaginella ciliaris</i>	Spike-moss	Selaginellaceae	Creeping nature
6.	<i>Pteridium</i>	Silver fern	Adiantaceae	Grows in creeping
GYMNOSPERM				
1.	<i>Gnetum ula</i> Brong.	Uruli	Gnetaceae	Liana found on trees
ANGIOSPERMS				
1.	<i>Alpinia allagha</i>	Turaka	Zingiberaceae	Perennial herb



2.	<i>Argyrea nervosa</i>	Samudrasoka	Convolvulaceae	Vigorous vine
3.	<i>Arisaema tortuosum</i>	Serdachajod	Araceae	Plant grows in large clumps
4.	<i>Ayastia dalzelliana</i>	Nerikanth	Araceae	Perennial branched
5.	<i>Celona argentea</i> L.	Kumbda	Amaranthaceae	Small herb with papery flowers
6.	<i>Colebrookea oppositifolia</i>	Bhaman	Lamiaceae	Branched stout shrub
7.	<i>Colocasia esculenta</i>	Adu	Araceae	Common perennial herb
8.	<i>Cynoglossum zeylanicum</i>	Lichardi	Boerhaaviaceae	Occasional annual herb
9.	<i>Eriocaulon heterolepis</i>	Button head	Eriocaulaceae	Annual plant growing in temporary
10.	<i>Euphorbia aquatica</i>	Tridharivudang	Euphorbiaceae	Shrub with ribbed stout
11.	<i>Euphorbia laeta</i>	Dudhi	Euphorbiaceae	Perennial herb with milky latex
12.	<i>Erecaun pumilum</i>	Jambhichirayat	Geraniaceae	Small erect herbaceous
13.	<i>Impatiens balsamina</i>	Terda	Balaaminaceae	Annual plant with soft stem
14.	<i>Isora pavetta</i>	Raikala	Rubiaceae	Large evergreen tree
15.	<i>Karongferia scaposa</i>	Chohola	Zingiberaceae	Erect perennial herb
16.	<i>Leuca zambucina</i>	Dinda	Vitaceae	Large shrub
17.	<i>Momocyanum bellatum</i>	Anjan	Melastomaceae	Small evergreen tree
18.	<i>Mordantaspicata</i> Brueck	Asiatic dew	Commelinaceae	Annual sub erect herb
19.	<i>Pavonia crassicaulis</i>	Papat	Rubiaceae	Erect branched
20.	<i>Phylliscephalum tenuis</i>	Panagamphi	Asteraceae	Occasional in grasslands
21.	<i>Pogostemon caninus</i>	Jambhimanjiri	Lamiaceae	Gregarious in shallow
22.	<i>Pogostemon auricularis</i>	Jambhimanjiri	Lamiaceae	Occasional in evergreen
23.	<i>Rotala indica</i>	Indian toothcup	Lythraceae	Common weed
24.	<i>Senecios grahamii</i>	Sonka	Asteraceae	Abundant monsoon
25.	<i>Sesbia purpurea</i>	Barka	Fabaceae	Small annual herb
26.	<i>Sopubia delphinifolia</i>	Split leaf Sopubia	Scrophulariaceae	Root parasite common in moist grasslands
27.	<i>Thunbergia fragrans</i>	Chimise	Thunbergiaceae	Thunbergiaceae Perennial twining
28.	<i>Trichosanthes tricuspidata</i>	Caundal	Cucurbitaceae	Vine with trailing
29.	<i>Wrightia tinctoria</i>	Kala koda	Apocynaceae	Small deciduous tree
30.	<i>Ziziphus rugosa</i>	Bor	Rhamnaceae	Small deciduous tree
31.	<i>Chlorophytum borivilianum</i> Sam	Safal Masali	Zigiberaceae	Small deciduous tree
32.	<i>Solanum nigrum</i> Linn	Rau yang	Solanaceae	Small deciduous shrub
33.	<i>Asparagus racemosus</i> Willd.	Slattavari	Asparagaceae	Herbs with tubers
34.	<i>Embelia ribes</i> Burm. f.	Vat Vidang	Marciniaceae	Small deciduous tree
35.	<i>Gloriosa superba</i> Linn	Kallari	Liliaceae/Colchicaceae	Medium size climber
36.	<i>Bacopa monnieri</i> (L.) Pennell	Brahmi	Scrophulariaceae	Ground creeper
37.	<i>Phyllanthus amarus</i> Schum & Thonn.	Bhui Awali	Euphorbiaceae	Small deciduous herb
38.	<i>Embelia officinalis</i> Gaertn	Awala	Euphorbiaceae	Small deciduous tree





Image 1. Typical basaltic cliff of the northern Western Ghats



Image 2. Cliffs with alternate lava layers at Arthur's Seat, Mahabaleshwar



Image 3. Dense mats of *Rosala floribunda* Kuntze on cliffs



Image 4. Typical habitat of polkilobryous *Triopoa* sp. on cliffs



Image 5. Dense growth of a grass *Arthraxon jubatus* Hack. on cliffs



Image 6. Endemic *Begonia conchensis* A DC. growing on cliffs



ORCHID

Orchids are plants that belong to the family Orchidaceae a diverse and widespread group of flowering plants with blooms that are often colourful and fragrant. Along with the Asteraceae, they are one of the two largest families of flowering plants. The Orchidaceae have about 28,000. Orchids are easily distinguished from other plants, as they share some very evident derived characteristics or synapomorphies. Orchids, those that grow upon a support, have modified aerial roots that can sometimes be a few meters long. In the older parts of the roots, a modified spongy epidermis, called a velamen, has the function of absorbing humidity. Ecology: A majority of orchids are perennial epiphytes, which grow anchored to trees or shrubs in the tropics and subtropics. Species such as *Angraecum sesquipedale* are lithophytes, growing on rocks or very rocky soil. Other orchids (including the majority of temperate Orchidaceae) are terrestrial and can be found in habitat areas such as grasslands or forest. Some orchids, such as *Neottia* and *Ceratophyllum*, lack chlorophyll, so are unable to photosynthesise. Instead, these species obtain energy and nutrients by parasitising soil fungi through the formation of orchid mycorrhizae. The fungi involved include those that form ectomycorrhizas with trees and other woody plants, parasites such as *Armillaria*, and saprotrophs. These orchids are known as myco-heterotrophs, but were formerly (incorrectly) described as saprophytes as it was believed they gained their nutrition by breaking down organic matter. While only a few species are achlorophyllous holoparasites, all orchids are myco-heterotrophic during germination and seedling growth, and even photosynthetic adult plants may continue to obtain carbon from their mycorrhizal fungi. The symbiosis is typically maintained throughout the lifetime of the orchid because they depend on the fungus for nutrients, sugars and minerals. However, some orchids have been found to switch fungal partners during extreme conditions.

LICHEN

Lichen is a composite organism that arises from algae or cyanobacteria living among filaments of multiple fungi species in a mutualistic relationship. Lichens have properties different from those of their component organisms. They come in many colors, sizes, and forms and are sometimes plant-like, but are not plants. They may have tiny, leafless branches (fruticose); flat leaf-like structures (foliose); grow crust-like, adhering tightly to a surface (substrate) like a thick coat of paint (crustose); have a powder-like appearance (leprose); or other growth forms. Ecology: Lichen associations may be examples of mutualism or commensalism, but the lichen relationship can be considered parasitic under circumstances where the photosynthetic partner can exist in nature independently of the fungal partner, but not vice versa. Photobiont cells are routinely destroyed in the course of nutrient exchange. The association continues because reproduction of the photobiont cells matches the rate at which they are destroyed. The fungus surrounds the algal cells, often enclosing them within complex fungal tissues unique to lichen associations. In many species the fungus penetrates the algal cell wall, forming penetration pegs (haustoria) similar to those produced by pathogenic fungi that feed on a host. Cyanobacteria in laboratory settings can grow faster when they are alone rather than when they are part of lichens.

PTERIDOPHYTES

Pteridophytes are plants that do not have any flowers or seeds. Hence another name for it is Cryptogams. They include ferns and horsetails. In fact, they can be considered as the first terrestrial vascular plants, showing the presence of the vascular tissue, xylem, and phloem. Mostly, we find these plants in damp and shady places. Also, most ferns are grown as ornamental plants. Pteridophytes display differentiation. The plant body can be divided into true root, stem, and leaves. A saprophyte is the main plant body here. Some of the species belonging to this division have small leaves called the microphylls. For example, *Selaginella*. Megaphylls are the large leaves that some pteridophytes have.

For example, fern plants. The main plant bears the sporangia. These bear some leaf-like appendages called the sporophylls. In a few species such as *Selaginella* and *Equisetum*, the sporophylls form compact structures called cones or strobili.

BRYOPHYTES

The term Bryophyta originates from the word 'Bryon' meaning mosses and 'phyton' meaning plants. Bryophyta includes embryophytes like mosses, hornworts, and liverworts. These are small plants that grow in shady and damp areas. They lack vascular tissues. They don't produce flowers and seeds, instead, reproduce through spores. The study of bryophytes is called bryology.



Tahmini Ghat

Lonavla and the adjacent Khandala are twin hill stations 622 metres (2,041 ft) above sea level, in the Sahyadri ranges that demarcate the Deccan Plateau and the Konkan coast. The hill stations sprawl over an approximate area of 38 square kilometres (15 sq mi). Tourism peaks during the monsoon season. The name Lonavla is derived from the Sanskrit lonavli, which refers to the many caves like Karla Caves, Bhaja Caves and Bedsa that are close to Lonavla. A trip to Lonavla and Khandala can be combined with sight-seeing visits of Karla, Bhaja and Bedsa caves and also the two fortresses, Lohagad and Visapur. Khandala is smaller and the quieter of the two. One can enjoy the most pleasant weather during the monsoon. Blessed with green hills, deep valleys, dense forests, lakes and cascading waterfalls, Lonavla and Khandala are ideal spots for sightseeing and other excursions. Long walks around the Pavna Lake, Lonavala Lake, Tungarli Lake, Valvan Lake on the Valvan Dam and Bushi Lake is the best way to explore the entire region. The hill sides are dotted with a number of ancient caves and forts of Shivaji's Maratha kingdom. Besides natural beauty, the place is visited for various historical monuments including the Rajmachi Fort, Manoranjan Fort, Shrivardhan fort, Visapur Fort, Lohagad Fort and the Tunga Fort.

SOME IMPORTANT TREES OF TAHMINI GHAT

SR NO.	COMMON NAME	SCIENTIFIC NAME
1	Kate Sawar	<i>Bombax Ceiba</i>
2	Maha Nima	<i>Melia Dubia</i>
3	Asid	<i>Albizia Chinensis</i>
4	Palas	<i>Butea Monosperma</i>
5	Ain	<i>Acacia</i>
6	Karanj	<i>Pongamia Pinanata</i>
7	Shisam	<i>Dalbergia Sissoo</i>

SACRED GROVES

Traditional knowledge has been used for centuries by indigenous local communities to manage natural resources under local laws, customs, and traditions. Many traditional societies all over the world revere and worship nature and consider certain plants and animals sacred. The sacred groves in the Western Ghats are small patches of ancient forest dedicated to local animistic deities. These groves are a rich source of fruit bearing trees and small water bodies and act as habitat for several birds and reptiles. Resource extraction in the groves is limited by a variety of rules to placate the deity. This has resulted in the development of relict patches of climax forest. Cultural and biological diversity is even today relevant as a tool for nature conservation that is foremost for sacred grove conservation in Maharashtra. The Western Ghats of India are one of the 34 globally important biodiversity hot spots. In 2006 the Western Ghats were proposed as a protected "World Heritage Site" and this has now been accepted by UNESCO. Malshi District nested in the Ghats is a key site for conservation action. In Maharashtra the "sacred groves" in the Ghats which are locally called "Devrai" are key hot spots of biological diversity. The Devrai word came from two local words; that is, Dev means God and rai means forest. So it means god's forest or Devrai. Such forest patches are considered a sacred forest by locals so they are called sacred groves. The groves thus act as key benchmarks of less



disturbed vegetation in a mosaic of other traditional and modern forms of land use. The groves play a role in maintenance of the local ecological balance, conservation of watersheds, and preservation of bio-resources. Sustainable use of resources and use of management principles for different landscape elements are frequently linked to culturally distinct sentiments. In the villages in which groves are protected, regionally relevant folk knowledge supports traditional conservation practices. Local people have evolved their own traditional rules and management based on ancient practices which led to conservation and maintenance of the groves as relatively intact patches of forests as a by-product of their religious sentiments. During the last two decades farmers have sold large pieces of land to speculators for urbanization. This is due to the enormous rise in the price of land. This change has triggered several socioeconomic and cultural aspects in the region with a consequent loss of protective sentiments for the sacred groves.

Sr. No	Name of the Grove	Name of the deity	Village	Present status
1	Dhigiasirai	Dhigial devi	Bhiravwadi	Protected
2	Waghjai	Waghjai dev	Sonarwadi	Protected
3	Rai	Waghjai devi	Wadwathar	Protected
4	Waghjairai	Waghjai devi	Chandiwali	Protected
5	Firnaugairai	Firnaugai devi	Sarole	Protected
6	Firnaugsirai	Khagjai devi	Sarole	Protected
7	Kalkairai	Kalkai devi	Kondether	Protected
8	Vinjai rai	Vinjai devi	Tamini	Protected

CURRENT THREATS TO THE WESTERN GHATS

The Western Ghats today are being rapidly degraded due to various land use changes that have occurred in the recent past. Apart from the traditional impacts from farming, grazing and fire there are newer changes in land use that are leading to biodiversity losses. This includes deforestation due to mining, roads, dams, townships and industrialization. Changing existing wilderness areas into intensive agriculture, urbanization and industry in Maharashtra, Gujarat and Goa has altered the natural ecological attributes over the last several decades. This has not spared the Western Ghats where dams, roads and other economic development programs have led to new forms of landuse. The industrial expansion due to globalization of the late 90s led to rural industrialization which has been strongly supported by the Industrial Development Corporations. The river valley projects that have been developed for over a century now include nearly every possible major valley leaving very few as intact forest tracts. Mining has created large gaps. Added to these gaps are a string of roads winding across expanses of several kilometer. The special requirements of sustainable development in areas that are ecologically fragile such as the Western Ghats finds little place in current planning processes. While the Western Ghats in the southern states have been better studied, the ranges of the northern sector have been neglected. The two ecosystems vary widely and suffer from different human impacts. Degraded areas across the Ghats now form a mosaic of patches with different levels of degradation. Climate change will further add to alterations in biodiversity values in future. Any adaptation strategy to preserve the integrity of the natural forests, in the context of future climate change, will have to take into account the varied landscape elements that are inherent environmental assets in the Western Ghats. The strategy should preserve biological diversity, hydrological balance and ecological services.



Conclusion

We enjoyed every moment of the trip. The Trip Was So Beneficial in so many ways. This was a one time in life opportunity to appreciate and acknowledge the marvelous splendor of the nature. This trip enabled us to visit and study various ecosystems and the vegetation present in it. We were blessed to study about the different types of plants present on high altitude region like Tamhini ghat, Khopoli and Lonavala at the same time, We also studied about the different types of plants. We came to know about the Importance and the Beauty Of nature and the need to preserve it. We learnt about the different species like Algae, lichens, Bryophytes, Gymnosperms Angiosperms etc. This Was Worthwhile Going Out And Learning. The Day Was so memorable that each us participated will carry the memories of the trip all through our life. We extent our heartfelt thanks to all.



Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi, Dist.- Pune

2023-24

B. A.

(ENGLISH)

SSPM'S
Chandmal Tarachand Bora College, Dist. Pune 412210 (MS)
A Report on the Departmental Trip
2023-2024


The college includes educational trips as part of the curriculum provides students by the University to the joy of discovery and opportunity to learn new things through travel. Educational tours are a great way for students and educators to absorb, interact and to grasp theory practically. They are not only a huge welcome break for both the students and teachers but also of educational significance to both of them.

Educational trips undertaken by college can be planned to places of historical and geographical importance like museums, heritage sites, ecological parks etc. Students will be visiting places they have never visited before. Especially with a group of almost 50-100 children, it will be an exciting experience for all of them. This is done to give students a positive and educational exposure in the real sense.

One of the best lessons students learn through educational trips is through personal experience. College has organized a trip of students to the Shivneri fort, Nane ghat, Lenyadri and Ozar on 22nd February 2024. First, we have visited Shivneri fort. Students enjoyed trekking to the Shivneri fort. Indeed this trip was an adventurous activity. Second, was the Nane Ghat, students gathered historical information from the manuscript in the caves. Third, it was Lenyadri and Ozar which places are famous for idol Ganesh. Also it was a cultural visit to these places. 03 students of English department have participated in this activity. Dr.S.K.Sawant, Dr.R.V.Bhailume, Dr.I.J.Pawar and Dr.K.H.Paithankar coordinated the tour effectively. Principal Dr.K.C.Mohite encouraged to organize the tour for the purpose of education.

Trips help immensely in improving a student's life skills such as problem-solving abilities because they get better at decision making and also develop more confidence and communication skills. Educational trips are a perfect platform for students to bond, not only with their own peers but also with the teachers and adults who accompany them in a new environment. Therefore, educational trips are always a fun, enriching and learning experience for both students and faculty members at a personal and professional level.


Dr. S.K.Sawant
Coordinator


Dr. B.K.Tambe
HoD



List of Students

1. Vyavhare Anushka
2. Valmiki Ashish
3. Kolage Vivek
4. Sheke Supriya
5. Daundkar Nikita
6. Pachange Pallavi
7. Temgire Gorakh
8. Charate Sneha
9. Shelke Sakshi





Shirur Shikshan Prasarak Mandal's

Chandmal Tarachand Bora College of Arts, Commerce and Science

Shirur-Ghodnadi, Dist.- Pune, Maharashtra, Pin-412 210

Criteria-I Curricular Aspects

1.3: Curriculum Enrichment

1.3.2.1: Number of students undertaking internships

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College, Shirur
Dist. Pune
NAAC- SSR (Criterion - I)

INDEX

1.3: Curriculum Enrichment

1.3.2.1: Number of students undertaking internships

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3.	M.Sc. I Chemistry Internship Report	25-28

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi, Dist.- Pune

2023-24

B.VOC.

(RENEWABLE ENERGY)

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Art's, Commerce and Science
Shirur, Dist.-Pune
Department of B.Voc. (Renewable Energy)
A.Y.2023-24**

Internship Report

The students of First Year B.Voc (Renewable Energy) course had completed 240 hours of training in 1 month's duration during II Semester as per NSQF guidelines. There were total 8 students completed internship program from 1st February.2024 to 29th February. 2024. They learned about Technical Information on opportunities in this field. Their Entrepreneurship skills were developed during this internship. They learned about how to earn exposure and garner knowledge in the field of Energy. They learned about work in the field of Energy in general and in particular and also learned about the technical knowledge.

Name of the class	Name of the project/field work/internship	Duration	Number of participants **
F. Y. B. Voc. (RE)	1 st year students Internship Program at PARAM Renewable Energy	1 st Feb.2024 to 29 th Feb. 2024	02
	1 st year students Internship Program at FABRITECH PVT.LTD		02
	1 st year students Internship Program at SAB SYTEMS		01
	1 st year students Internship Program at UKB ELECTRONICS PVT.LTD		01
	1 st year students Internship Program at TATA AUTOCOMP GY BATTERIES PVT.LTD		01
	1 st year students Internship Program at HI-TEK ENGINEERING SOLUTIONS		01

S. S. P. Mandal's
Chandmal Tarachand Bora College of Arts, Commerce and Science, Shirur, Dist. Pune.
Tal: Shirur, Dist. Pune Maharashtra-412210

Name of F. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at SAB SYTEMS

Sr. No.	Roll No	Name of the Student
1	80011	PATOLE NIKHIL NABILUL

Name of F. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at FABRITECH PVT.LTD

Sr. No.	Roll No	Name of the Student
1	80012	KALE ROHIT RAHUL
2	80017	SHELKE SAHIL ARUN

Name of F. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at UKB ELECTRONICS PVT.LTD

Sr. No.	Roll No	Name of the Student
1	80013	NICHIT SIDDESH NAVNATH

Name of F. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at TATA AUTOCOMP GY
BATTERIES PVT.LTD

Sr. No.	Roll No	Name of the Student
1	80014	GHADAGE SURAJ HAMBIR

Name of F. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at PARAM Renewable Energy

Sr. No.	Roll No	Name of the Student
1	80015	JADHAV SANKET ASHOK
2	80016	KHANASE KARAN ANANDA

Name of F. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at HI-TEK ENGINEERING SOLUTIONS

Sr. No.	Roll No	Name of the Student
1	80018	KAWASHTE SHIVANI RAMDAS

Dr. D. H. Bobade
Head of the Department

Dr. K. C. Mohite
Principal



PARAM
Renewable Energy

CERTIFICATE

This is to certify that Mr. **Khase Karan Ananda**, College of Chandmal Tarachand Bora, Shirur, First Year B.VOC (Renewable Energy), Semester-II, the student has successfully undertaken and completed his Industrial Training in Solar Photovoltaic Systems from **1st February 2024 to 29 February 2024.**

Thanks,



For PARAM RENEWABLE ENERGY



CERTIFICATE

This is to certify that **Mr. Suraj Hambir Ghadge** College of Chandmal Tarachand Bora, Shirur, First Year B.Voc (Renewable Energy), student has successfully undergone and completed his Industrial Training In Solar Photovoltaic System from 15th December 2023 To 15th February 2024.

Date: 18/02/2024

Place Ranjangaon

Signature

TATA AUTOCOMP GY BATTERIES PVT. LIMITED
Plot No. C-2, Next to Wheels India,
MDC Ranjangaon Shirur, Dist. Pune-412 220

TATA AUTOCOMP GY BATTERIES PRIVATE LIMITED
Corporate Identity Number: U31300PN2005PTC021394
Plant Plot No. C-2 MDC Ranjangaon Tal. Shirur Dist. Pune 412 220
Tel: 91 2138 612 400 Fax: 91 2138 672459 website www.tatagreenbattery.com
Registered Office: TACO House, Darnie Park, DM Law College Road, Bandwana, Pune 411004 India.

HI-TEK ENGINEERING SOLUTIONS

Plot No. PAP A-104, Opp. Fresenius kabi, Ranjangaon MIDC,
Tal- Shirur, Dist- Pune. Email ID - hitek6199@gmail.com,
Mobile No-95612 36199.

Certificate

Date: 29.02.2024

This is to certify that the Mrs. Shivani Ramdas Kawashte has successfully completed her internship program in Hi-Tek Engineering Solutions. We arrange an internship program between 1 Feb 2024 To 19 Feb 2024 due to resend pandemic situation we could arrange few visits and training session but within this time we delivered information about each and every section of our industry. She has successfully received the knowledge about our industry.

Thanks & Regards

Hi-Tek Engineering

Solutions
Sign of Internal.

Sign of External.

Sign of Student.



UKB ELECTRONICS PRIVATE LIMITED

Plot No. D-163,165 & 167, MIDC Ranjangaon, Taluka - Shirur
PUNE, Maharashtra-412209, INDIA

Phone No: Email ID: Website:www.ukbindia.com

DATE. 18/03/2024

This is to certify that Mr. Siddhesh Navnath Nichit has successfully completed his 1 month internship with UKB Electronics pvt ltd. He has worked at our location Ukb Electronics Pvt Ltd. Ranjangaon Pune in Their Ukb India management division from 15th Feb 2024 to 18th March 2024

During his Internship Period he has demonstrated a professional aptitude towards his work . He was Found to be a responsible member within this his team he was inquisitive and enthusiastic about work and was observed as a valuable asset to company.

We wish him all the best in his future endeavors.

For UKB ELECTRONICS PVT LTD.



MR. NILESH GAVARE
HR.DEP.



Playtor Road, Karegaon, MIDC Ranjangaon, Tal: Shirur, Dist:
Pune.State:Maharashtra-412220,
GSTIN: 27BSFPJ0529P1ZE

Date: 8th February 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.Nikhil Nabilal Patole** has successfully completed his 1 month internship with **SAB SYSTEMS**. He has worked in our **supply chain management** division during the internship from 1st January 2024 to 31 January 2024.

During this period, he had successfully completed the worked assigned to him. He has been sincere, hardworking and punctual in the work and was observed as a valuable asset to the company.

We wish him a good and prosperous career in future.

Sincerely,
Vishal Shelar
Human Resource,
SAB SYSTEMS



04/04/2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Rohit Rahul Kale has successfully completed his one month internship from 1st March 2024 to 31st March 2024 in our Solar Division (Fabritech Solar).

During the internship period he actively participated in various aspects of solar EPC projects, including but not limited to:

1. Detailed Engineering Site Visits and collecting technical data from sites.
2. Project and Manpower Planning.
3. Material Management and successful site executions.

We would like to extend our sincere appreciation to Mr. Rohit Rahul Kale for his valuable contributions to our team and wish him the very best in his future endeavours.



For Fabritech Construction and Services Pvt Ltd.



04/04/2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sahil Arun Shelke has successfully completed his one month internship from 1st March 2024 to 31st March 2024 in our Solar Division (Fabritech Solar).

During the internship period he actively participated in various aspects of solar EPC projects, including but not limited to:

1. Detailed Engineering Site Visits and collecting technical data from sites.
2. Project and Manpower Planning.
3. Material Management and successful site executions.

We would like to extend our sincere appreciation to Mr. Sahil Arun Shelke for his valuable contributions to our team and wish him the very best in his future endeavours.



For Fabritech Construction and Services Pvt Ltd.

+91 72762 09865 / 8446444553

www.fcspitd.com

fabritech.cs@gmail.com

CIN NO: U45400CT2018PTC000729

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REGD OFFICE: NEAR JAGGANATH CHOWK, KOTA STADIUM ROAD, KOTA, RAIPUR, CHHATTISSGARH-492001



PARAM
Renewable Energy

CERTIFICATE

This is to certify that Mr. **Jadhav Sanket Ashok**, College of Chandmal Tarachand Bora, Shirur, Fest Year B.voc (Renewable Energy), Semester-II, Student has successfully undergone and completed his Industrial Training in Solar Photovoltaic Systems from **1st February 2024 to 29 February 2024.**



For **PARAM RENEWABLE ENERGY**

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi, Dist.- Pune

2023-24

**S.Y.B.VOC.
(RENEWABLE ENERGY)**

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Art's, Commerce and Science
Shirur, Dist.-Pune
Department of B.Voc. (Renewable Energy)
A.Y.2024-25**

Internship Report

The students of Second Year B.Voc (Renewable Energy) course had completed 240 hours of training in 1 month's duration during II Semester as per NSQF guidelines. There were total 6 students completed internship program from 1st February.2024 to 29th February. 2024. They learned about Technical Information on opportunities in this field. Their Entrepreneurship skills were developed during this internship. They learned about how to earn exposure and garner knowledge in the field of Energy. They learned about work in the field of Energy in general and in particular and also learned about the technical knowledge.

Name of the class	Name of the project/field work/internship	Duration	Number of participants **
S.Y.B.Voc.(RE)	2 nd Year Students Internship Program at PHENIX HARNESS PVT.LTD	1 st Feb.2024 to 29 th Feb. 2024	02
	2 nd Year Students Internship Program at HI-TEK ENGINEERING SOLUTIONS		04

S. S. P. Mandal's
Chandmal Tarachand Bora College of Arts, Commerce and Science, Shirur, Dist. Pune.
Tal: Shirur, Dist. Pune Maharashtra-412210

Name of S. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at PHENIX HARNESS PVT.LTD

Sr. No.	Roll No	Name of the Student
1	10002	MAPARE PRAJWAL SANDIP
2	10003	SHELKE MAYUR GORAKH

Name of S. Y. B. Voc. (Renewable Energy)
Students who completed Internship Program at HI-TEK ENGINEERING SOLUTIONS

Sr. No.	Roll No	Name of the Student
1	10001	SHINDE DIVYA DILIP
2	10002	MAPARE PRAJWAL SANDIP
3	10005	DESHMUKH PRASAD MININATH
4	10006	KALE ABHIJIT SURESH

Dr. D. H. Bobade
Head of the Department

Dr. K. C. Mohite
Principal




Date - 15/03/2024

CERTIFICATE

This is to certify that the Mr. Mayur Gorakh Shelke has successfully completed their internship program in PHENIX HARNESS PVT. LTD. We arranged an internship program between 01 Feb 2024 to 29 Feb 2024. Due to recent pandemic situation we could arrange only few visits but within this small time we delivered information about each and every section of our industry. He has successfully received the knowledge about PRODUCTION DEPARTMENT. He also became familiar with our departments and working of respective assembly line. Thanks

Thanks & Regards,


Dr. Anand Chaudhari.
(Account & HR Head)



982283081
888898865

accounts@phenixharness.com
production@phenixharness.com
Aarya Industrial Park, Gat No. 347,
Back To Vithai Warehouse,
At - Post - Avhalwadi, Tal - Haveli,
Dist - Pune - 412207

www.phenixharnesspvtltd.com





Date - 01/03/2024

CERTIFICATE

This is to certify that the Mr. Shreyash Santosh Gaikwad has successfully completed their internship program in PHENIX HARNESS PVT. LTD. We arranged an internship program between 01 Feb 2024 to 29 Feb 2024 Due to recent pandemic situation we could arrange only few visits but within this small time we delivered information about each and every section of our industry He has successfully received the knowledge about PRODUCTION DEPARTMENT. He also became familiar with our departments and working of respective assembly line. Thanks

Thanks & Regards,

Dnyanadev Chaudhari.
(Account & HR Head)



9822283081
8888898865

accounts@phenixharness.com
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Aarya Industrial Park, Gat No. 347,
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At - Post - Avhalwadi, Tal - Haveli,
Dist-Pune - 412207

www.phenixharnesspvtltd.com



HI-TEK ENGINEERING SOLUTIONS

Plot No. PAP A-104, Opp. Fresenius kabi, Ranjangaon MIDC, Tal- Shirur, Dist- Pune.
Email ID - hitek6199@gmail.com,
Mobile No- 95612 36199.

Certificate

Date: 31.03.2024

This is to certify that the Mrs. Shinde Divya Dilip has successfully completed her internship program in Hi-Tek Engineering Solutions. We arrange an internship program between 1st Feb March 2024 to 31st March 2024 due to resend pandemic situation we could arrange few visits and training session but within this time we delivered information about each and every section of our industry. She has successfully received the knowledge about our industry.

Thanks & Regards

Hi-Tek Engineering Solutions


Sign Of Internal


Sign of External

Sign of Student

HI-TEK ENGINEERING SOLUTIONS

Plot No. PAP A-104,Opp. Fresenius kabi, Ranjangaon MIDC, Tal-Shirur, Dist.-Pune
Email ID – hitek6199@gmail.com,
Mobile No-95612 36199.

Certificate

Date: 31.03.2024

This is to certify that the Mr. Deshmukh Prasad Mininath has successfully completed her internship program in Hi-Tek Engineering Solutions. We arrange an internship program between 1st Feb 2024 to 29th Feb 2024. We could arrange few visits and training sessions but within this time we delivered information about each and every section of our industry. He has successfully received the knowledge about our industry.


Sign of Internal


Sign of External

Thanks & Regards

Hi-Tek Engineering Solutions

HI-TEK ENGINEERING SOLUTIONS

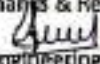
Plot No. PAP A-104,Opp. Fresenius kabi, Ranjangaon MIDC, Tal-Shirur, Dist.-Pune.
Email ID – hitek6199@gmail.com,
Mobile No-95612 36199.

Certificate

Date: 31.03.2024

This is to certify that the Mr. Mapare Prajwal Sandip has successfully completed her internship program in Hi-Tek Engineering Solutions. We arrange an internship program between 1st Feb 2024 to 29th Feb 2024. We could arrange few visits and training sessions but within this time we delivered information about each and every section of our industry. He has successfully received the knowledge about our industry.

Thanks & Regards


Hi-Tek-Engineering Solutions


Sign of Internal


Sign of External

HI-TEK ENGINEERING SOLUTIONS

Plot No. PAP A-104,Opp. Fresenius kabi, Ranjangaon MIDC, Tal-Shirur, Dist.-Pune.

Email ID – hitek6199@gmail.com,

Mobile No-95612 36199.


Certificate

Date: 31.03.2024

This is to certify that the Mr. Kale Abhijit Suresh has successfully completed her internship program in Hi-Tek Engineering Solutions. We arrange an internship program between 1st Feb 2024 to 29th Feb 2024. We could arrange few visits and training sessions but within this time we delivered information about each and every section of our industry. He has successfully received the knowledge about our industry.


Sign of Internal


Sign of External

Thanks & Regards

Hi-Tek Engineering Solutions

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24



**M. SC.
(CHEMISTRY)**



Chandmal Tarachand Bora College of Arts, Commerce and Science

Shirur - Ghodnadi, District - Pune - 412 210

NAAC Re-accredited : 'B++' Grade
Best College Award (Rural)

(Affiliated to Savitribai Phule Pune University : ID No. PU / PN / ASC / 019 / [1968])

Shirur (Ghodnadi) 412 210 Pune. Tel. 02138 - 222301, 224170

Resl. : 222214, E-mail : ctborainfo68@gmail.com

DBT STAR COLLEGE

DST - FIST SPONSORED COLLEGE

Dr. K. C. Mohite
M.Sc, M.Phil, Ph.D
Principal

Ref. No. 1731/2023-24

Date : 25/02/2024

To,
Murli Krishna Pharma Private Ltd.
D-98, MIDC Ranjangaon,
Taluka - Shirur, Dist. Pune - 412209
Maharashtra, India.

Subject: Permission for Internship Program in your esteemed company...

Dear Sir,

As per the above mentioned subject, we convey to you that our College had started Master of Science Degree Course in Analytical and Organic Chemistry. The Department of M.Sc. has made NEP-2020 with various Organizations & Industry. Your company is esteem and also convenient to student for getting hands on experience so, students of our college are eager to take experience in your Industry. As per the guidelines, students are required to get hands on experience of 120 hrs (2 weeks) in your Industry. This experience helps to bridges the gap between academia and industry.

Total number of students are 7 (M.Sc. Analytical and Organic Chemistry). We request to you allow our students to work in your Industry.

Thanking you.


Dr. P.S. Virkar

Head

Department of Chemistry
C. T. Bora College, Shirur
Dist. Pune (Maharashtra)


Dr. K. C. Mohite

Principal

C. T. Bora College, Shirur

Principal

**Chandmal Tarachand Bora College
of Arts, Commerce and Science
Shirur - Ghodnadi, District - Pune**

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Art's, Commerce and Science
Shirur, Dist.-Pune
Department of Chemistry
A.Y.2023-24**

Internship Report

The students of Master of Chemistry course had completed 120 hours of training duration during II Semester as per NSQF guidelines. There were total 7 students completed internship program. Their Entrepreneurship skills were developed during this internship. They learned about work in the Industrial field in general and in particular and also learned about the technical knowledge.

Name of the class	Name of the internship	Duration	Number of participants
M.Sc. I	Murli Krishna Pharma Pvt.Ltd.	120 Hours	07



- *श्री. स. व. पाटील*
Dr. S.V. Patil

Head
Department of Chemistry,
C. T. Bora College, Shirur
Dist. Pune (Maharashtra)

**Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College of Arts, Commerce and Science,
Shirur, Dist. Pune.**

Tal: Shirur, Dist. Pune Maharashtra-412210

Name of M.Sc. Analytical and Organic Chemistry students who completed
Internship Program at Murli Krishna Pharma PVT.LTD.

Sr. No.	Roll No	Name of the Student
1	9002	Nilam Pandurang Wagdare
2	20001	Akansha Somnath Kolhe
3	20002	Dipali Arjun Shete
4	20003	Pratik Bharat Deshmukh
5	20004	Vrushali Prakash Bhosale
6	20006	Sangram Ashok Shelke
7	20008	Reshma Prabhakar Kale



- S.V. Patil
Dr. S.V. Patil
Head, Department of Chemistry
Head
Department of Chemistry,
C. T. Bora College, Shirur
Dist. Pune (Maharashtra)



Shirur Shikshan Prasarak Mandal's

Chandmal Tarachand Bora College of Arts, Commerce and Science

Shirur-Ghodnadi, Dist.- Pune, Maharashtra, Pin-412 210

Criteria-I Curricular Aspects

1.3: Curriculum Enrichment

1.3.2.1: Number of students undertaking project work

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College, Shirur
Dist. Pune
NAAC- SSR (Criterion - I)

INDEX

1.3: Curriculum Enrichment

1.3.2.1: Number of students undertaking project work

Sr.No.	Document Name	Page No.
1.	M.Sc. II Analytical and Organic Chemistry Project	3-5
2.	T.Y.B.Sc. (Computer Science) Project	6-8
3.	T.Y.B.B.A. Project	9-13
4.	T.Y.B.B.A. (C.A) Project	14-18
5.	S.Y.B.B.A. (C.A) Project	19-23
6.	M. Sc. Botany Project	24-25
7.	T.Y.B.Sc. Physics Project	26-28
8.	M.Sc. Physics Project	29-31
9.	M.Com. I Commerce Project	32-35
10.	M.Com. II Commerce Project	36-37
11.	M.Com. II Economics Project	38-40

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24



**M. SC.
(CHEMISTRY)**

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College Shirur, Dist-Pune Department of
Chemistry

Project Completion Report-2023-24.

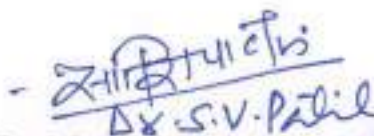
Following students of M. Sc-II (Analytical Chemistry) (CHA-393) M. Sc-II Organic Chemistry) (CHO-453) are successfully completed post graduate project as per guideline of Savitribai Phule Pune University.

Sr. No	Name of Students	Name of Title	Name of Guide
1	Priyanka D. Gaikwad	Formulation of Harbal Multifunctional food preservative tablets for grain storage	Prof. A.B. Salunkhe
2	Pratibha R. Zarekar	Multifunctional food preservative tablets for grain storage	Prof. A.B. Salunkhe
3	Renuka R. Krrandale	Management of Industrial waste water using Agriculture waste	Prof. A.B. Salunkhe
4	Rutuja S. Farate	Degradation of Methylene Blue dye using NiZn nanoferrites	Prof. K. D. Badave
5	Jagruti K. Badave	Degradation of Methylene Blue dye using NiZn nanoferrites	Prof. K. D. Badave
6	Nikiti B. Pawase	Synthesis of solar active Ag@CdMoO ₄ heterostructured photocatalyst for photocatalytic study for Hydrogen generation from H ₂ O under natural sunlight	Prof. A.B. Salunkhe
7	Sadik M. Mulani	Preparation of Novel heel crack ointment from Medicinal Plants	Prof. A.B. Salunkhe
8	Ketan S. Khole	Management of Industrial waste water using Agriculture waste	Prof. A.B. Salunkhe
9	Sarika N. Ghode	Synthesis of solar active Ag@CdMoO ₄ heterostructured photocatalyst for photocatalytic study for Hydrogen generation from H ₂ O under natural sunlight	Dr. Yogesh A. Sethi



10	Pallavi D.Kurandale	Fabrication and Performance study of Melamine driven activated Carbon-based Supercapacitors	Dr. B. Saravanakumar (Dr. Yogesh A. Sethi) Co-guide
11	Prajakta Y. Gadebail	Synthesis of solar active N@ZnWO ₄ heterostructured photocatalyst for photocatalytic study for Hydrogen generation from H ₂ O under natural sunlight	Dr. Yogesh A. Sethi
12	Madhuri S. Bhakre	CDS decorated MnWO ₄ nanorod: A new 0D-1D Hybrid system for enhanced photocatalytic hydrogen production under natural sunlight	Dr. Yogesh A. Sethi
13	Manisha V. Bhakare	CDS decorated MnWO ₄ nanorod: A new 0D-1D Hybrid system for enhanced photocatalytic hydrogen production under natural sunlight	Dr. Yogesh A. Sethi
14	Reshma K.Hilal	Degradation of Methylene Blue dye using NiZn nanoferrites	Prof. Kiran D. Badave
15	Sumit S.Sarode	Degradation of Methylene Blue dye using NiZn nanoferrites	Prof. Kiran D. Badave
16	Mayur Thorve	Preparation of Novel heel crack ointment from Medicinal Plants	Prof. A.B. Salunkhe




 Head, Department of Chemistry
 Head
 Department of Chemistry,
 C. T. Bora College, Shirur
 Dist. Pune (Maharashtra)

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24

**T. Y. B. SC.
(COMPUTER SCIENCE)**

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College
 Of Arts, Commerce and Science
 Shirur - Ghodnadi, District - Pune - 412210

Academic Year: 2023 -24

T.Y.B.Sc(CS) Project Examination Schedule

Date: 20/04/2024

Time: 10. 00 am. to Onward

Sr. No	Title of the Project	No. of Participate	Students Full Name	Roll Number	Seat Number
1	Online News Portal	3	Karkhile Ashlesha Shamrao	8443	5269
			Thange Sakshi Kiran	8444	5303
			Patil Divya Dilip	8442	5286
2	Book Doctor Appointment	3	Tikhole Shital Sampat	8417	5305
			Gadhawe Rutuja Laxman	8412	5255
			Kalamkar Pratiksha Shrikrushna	8413	5239
3	Car Rental Project	3	Salke Shubham Balasaheb	8434	5243
			Salke Prathmesh Dipak	8433	5292
			Gadilkar Abhishek Sanjay	8428	5256
4	Smart Scheduler	3	Gaikwad Swapnil Arun	8407	5258
			Ubale Vinod Ashok	8451	5307
			Nawale Sachin Ramdas	8435	5281
5	Library Management System	3	Jagdale Nikita Machhind	8448	5265
			Kalamkar Kiran Tatyabhau	8449	5267
			Katore Nilam Santosh	8466	5271
6	Agriculture Management System	3	Belote Sadanand Rajaram	8430	5248
			Katore Nitin Gorakh	8427	5240
			Bankar Omkar Balasaheb	8432	5232
7	Cyber cafe management system	3	Dere Rutuja Goraksh	8402	5290
			Badhe Sneha Pandurang	8472	5246
			Lembhe Komal Rajendra	8473	5279
8	College Event Management System	3	Katore Pranay Rajendra	8431	5272
			Gund Tejas Shivaji	8429	5263
			Prajwal Satish Gadilkar	8440	5236
9	Pharmacy Management System	3	Kamthe Nikhil Dattatraya	8454	5268
			Kharbas Sarthak Ashok	8452	5273
			Shinalkar Sakshi Vinod	8450	5300
10	Online Food Management System	3	Jadhav Mrunal Mahesh	8447	5237
			Temgire Akshay Bhanudas	8457	5302
			Pachange Pranav Shekhar	8455	5284
11	Student Attendance Management System	3	Langhe Prasad Shivaji	8423	5277
			Golande Keshav Pralhad	8424	5261
			Gadekar Aditya Suresh	8426	5254
12	Online Tourism	3	Adhav Nikita Ganesh	8471	5229
			Rasal Pranali Ganesh	8470	5289
			Kothawale Omkar Shantaram	8456	5275
13	Student Result Management System	2	Gaikwad Sakshi Rajendra	8404	5291
			Pandhare Tejashree Bhausahab	8405	5285
14	Online Resume	2	Bhappkar Nikesh Bhaskar	8460	5249

	Builder		Thorat Shivam Baban	8453	5304
15	Contract Construction management system	2	Satpute Krushnakant Maruti	8463	5293
			Jadhav Saurabh Santosh	8465	5238
16	Online Shopping Portal System	2	Korade Riya Bhausahab	8414	5274
			Bankar Shweta Balasaheb	8415	5247
17	Auditorium seat booking	2	Lalge Geeta Vishnu	8458	5276
			Nichit Komal Shivaji	8459	5282
18	Explore India	2	Ohol Samruddhi Subhash	8420	5283
			Shelar Sakshi Sambhaji	8419	5297

Date: 21/04/2024

Time: 10.00 am to Onward

Sr. No	Title of the Project	No. of Participate	Students Full Name	Roll Number	Seat Number
1	Placement Management System	2	Shelke Vaibhavi Vijay	8436	5308
			Gorde Vaishali Subhash	8438	5262
2	Cyber Cafe Management System	3	Pokale Vinnavi Parmeshwar	8445	5287
			Karle Snehal Gokul	8446	5270
			Thorat Sakshi Rajendra	8477	5244
3	Food Recipes Project	2	Shelke Saloni Santosh	8409	5299
			Shaikh Aliya Shamshuddin	8410	5295
4	Transport Management System	2	Shaikh Alisha Alliahmed	8418	5294
			Darekar Vaishnavi Babu	8416	5251
5	Tour & Travel Guide & Booking System	2	Shelke Karan Navnath	8408	5298
			Tanawade Prasad Laxman	8406	5301
6	Online Movie Ticket Booking System	2	Dhokale Neha Rohidas	8437	5252
			Gadilkar Vaishnavi Ramdas	8441	5257
7	Online Food Booking System	3	Bhalekar Dhanshri Nivrutti	8474	5233
			Kale Pratiksha Bhaskar	8476	5242
			Sanjana Mahesh Arne	8480	5231
8	Online Bus Reservation System	2	Dhokale Sahil Bhausahab	8462	5253
			Gajare Prathamesh Santosh	8461	5259
9	Online Crime Management System	2	Jathar Sakshi Sunil	8421	5266
			Mulay Payal Shashikant	8425	5280
10	Hotel Management Systems	2	Pund Rushikesh Rajendra	8467	5288
			Kharse Harshad Babu	8468	5241
11	Tea Connect	2	Lanke Rutika Madhukar	8475	5278
			Bhosale Mayuri Kailas	8422	5235
12	Tender Management System	1	Jadhav Digambar Sunil	8464	5264

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24



T. Y. B.B.A.

S.S.P. Mandal's
Chandmal Tarachand Bora Arts, Commerce & Science College, Shirur
List of Students Project Work A.Y. 2023-2024

Class: - TY BBA (SEM V)

Title Name: - Project/ Cases in Human Resource Management (516C) / Finance (516-B)

Sr.No	Roll No	Name of the Student	Title / Name of the Project
1	8601	THEURKAR SATYAM SACHHITANAND	HUMAN RESOURCE MANAGEMENT OF SONALIKA INTERNATIONAL
2	8602	KULKARNI AMOL NITIN	HUMAN RESOURCE MANAGEMENT OF SONALIKA INTERNATIONAL
3	8603	KOKADE TEJAS CHANDRAKANT	STUDY OF RECRUITMENT & SELECTION PROCESS AT KRISHA HONDA MOTERS
4	8604	SALKE PRANAV SANJAY	STUDY OF RECRUITMENT & SELECTION PROCESS AT KRISHA HONDA MOTERS
5	8605	DHAWADE TEJAS BALWANT	SELECTION AND RECRUITMENT PROCESS PROCESS AT KRISHA HONDA
6	8606	GADEKAR YASH BALASAHEB	HUMAN RESOURCE MANAGEMENT OF PETER ENGLAND SHOWROOM SHIRUR
7	8607	SATKAR PRACHI VIKAS	A PROJECT REPORT ON HUMAN RESOURCE MANAGEMENT OF AMUL ORGANISATION
8	8608	KAMBLE YASH SHITALKUMAR	HUMAN RESOURCE MANAGEMENT OF AMUL ORGANISATION
9	8609	PHAND MEGHARAJ SAKHARAM	A PROJECT REPORT ON HUMAN RESOURCE MANAGEMENT OF AMUL ORGANISATION
10	8610	KHUDE SANKALP SANTOSH	A PROJECT REPORT ON HUMAN RESOURCE MANAGEMENT OF AMUL ORGANISATION
11	8611	DAREKAR OMKAR NANA	THE ROLE OF SOFT SKILLS IN THE DEVELOPMENT OF HUMAN RESOURCE IN PEARL AGRO
12	8613	DESHMUKH AJINKYA ASHOKRAO	HUMAN RESOURCE MANAGEMENT OF PETER ENGLAND SHOWROOM SHIRUR
13	8614	DIVATE SANKET RAJENDRA	SELECTION OF REQUIREMENT PETER ENGLAND PROJECT
14	8615	KULKARNI PRATHAMESH SHASHIKANT	STUDY OF HUMAN RESOURCES MANAGEMENT OF EXIDE BATTERIES
15	8616	THAPA VINAYAK DALBHADUR	STUDY OF HUMAN RESOURCES MANAGEMENT OF EXIDE BATTERIES
16	8617	SHELKE PRATHAMESH ANIL	A PROJECT REPORT ON HUMAN RESOURCE MANAGEMENT OF AMUL ORGANISATION

17	8618	PAWAR JAY SHANKAR	SELECTION OF REQUIREMENT PETER ENGLAND PROJECT
18	8619	THORAT AJINKYA BANDU	SELECTION AND RECRUITMENT PROCESS OF AMUL
19	8620	GHODKE PRATHAMESH PRAVIN	STUDY OF HUMAN RESOURCES MANAGEMENT OF EXIDE BATTERIES
20	8621	GIRIDHAR RITHVIK MANOHAR	STUDY OF HUMAN RESOURCES MANAGEMENT OF EXIDE BATTERIES
21	8622	WALKE ABHINAV BABAN	SELECTION AND RECRUTMENT PROCESS AMUL
22	8623	SUJIT SHANKAR DHAWALE	SELECTION AND RECRUITMENT PROCESS OF THEURKAR HONDA MOTERS
23	8624	LANKE RUPESH BALASAHEB	A STUDY ON EMPLOYEE SAFTY & WELFAIR & WALFAIR MEASURES AT EXPRO INDIA LTD.
24	8625	LANKE SANKET SANTOSH	A STUDY ON EMPLOYEE SAFTY & WELFAIR & WALFAIR MEASURES AT EXPRO INDIA LTD.
25	8626	VISAPURE MRUNAL AMRUT	SELECTION AND RECRUITMENT PROCESS OF AIRTEL
26	8627	SIKALKAR MUSKAN IKBAL	SELECTION AND RECRUITMENT PROCESS OF HONDA
27	8628	THEURKAR INDRAJA VIJAY	SELECTION AND RECRUITMENT PROCESS OF HONDA
28	8629	KANHERE ASHISH RAMRAO	STUDY OF RECRUITMENT AND SELECTION PROCESS
29	8630	WARE PRATHMESH JITENDRA	SELECTION AND RECRUITMENT PROCESS OF AIRTEL
30	8631	KALE TEJAS DATTATRAY	HUMAN RESOURCE MANAGEMENT OF PETER ENGLAND SHOWROOM SHIRUR
31	8632	KUSEKAR ADITYA UTTAM	STUDY OF REQUIREMENTS AND SELECTION PROCESS
32	8633	DHAWADE ADINATH DILIP	STUDY OF RECRUITMENT AND SELECTION PROCESS
33	8634	MANDALE POOJA SUNIL	STUDY OF RECRUITMENT AND SELECTION PROCESS HE TAK
34	8635	CHAUDHARI RIYA TUKARAM	SELECTION AND RECRUITMENT PROCESS OF AIRTEL
35	8636	KOLHE SAMRUDDHI KANIF	HUMAN RESEARCH MANAGEMENT IN SONALIKA TRACTOR

36	8637	DASGUDE ADVAIT SANJAY	HUMAN RESOURCE MANAGEMENT OF SONALIKA INTERNATIONAL
37	8638	JARE TEJAS RAJARAM	STUDY OF RECRUITMENT AND SELECTION PROCESS IN PETER ENGLAND
38	8639	KURANDALE AYUSH ROHIDAS	STUDY OF RECRUITMENT AND SELECTION PROCESS IN PETER ENGLAND
39	8640	SAMBARE RITESH PAWAN	HUMAN RESOURCE MANAGEMENT OF SONALIKA INTERNATIONAL
40	8641	MALWARKAR UPENDRA RAJENDRA	SELECTION AND RECRUITMENT PROCESS AMUL
41	8642	SHARMA MUKUL RAJESH	HUMAN RESOURCE MANAGEMENT OF HINDUSTAN PETROLEUM CORPORATION LIMITED (HPCL)
42	8643	PRANJAL BABAN LANDE	STUDY OF FINANCIAL SERVICES BY BANK OF MAHARASHTRA
43	8644	SHUBHAM JAYSING YENARE	THE ROLE OF SOFT SKILLS IN THE DEVELOPMENT OF HUMAN RESOURCE IN PEARL AGRO
44	8645	KARPE KRUSHNA SANJAY	HUMAN RESOURCE MANAGEMENT OF PETER ENGLAND SHOWROOM
45	8646	SALKE VRUSHALI SUBHASH	A STUDY OF CREDIT APPRAISAL PROCESS ON AGRICULTURE LOAN & NON PERFORMING ASSET
46	8647	ITHAPE PRAGATI SUBHASH	A STUDY OF CREDIT APPRAISAL PROCESS ON AGRICULTURE LOAN & NON PERFORMING ASSET
47	8648	DOLAS SNEHA NANDU	SELECTION AND RECRUITMENT PROCESS OF HONDA
48	8649	BHONG NIKHIL SANTOSH	STUDY OF RECRUITMENT AND SELECTION PROCESS
49	8650	GAURAV RAMESH SANGALE	A STUDY OF CREDIT APPRAISAL PROCESS ON AGRICULTURE LOAN & NON PERFORMING ASSET
50	8651	BANSODE SIDDHARTH BANDU	THE ROLE OF SOFT SKILLS IN THE DEVELOPMENT OF HUMAN RESOURCE IN PEARL AGRO
51	8652	AVCHITE PRATIK SACHIN	THE ROLE OF SOFT SKILLS IN THE DEVELOPMENT OF HUMAN RESOURCE IN PEARL AGRO
52	8653	GURAV RUPESH SANTOSH	STUDY OF FINANCIAL STATEMENTS OF LIC

53	8654	GAIKWAD RAHUL CHHABURAO	ANALYSIS OF FINANCIAL STATEMENTS OF LIC
54	8655	BODAGE SUNIL SOPAN	SELECTION AND RECRUITMENT PROCESS OF HONDA
55	8656	ABHISHEK ARJUN MASHERE	HUMAN RESOURCE MANAGEMENT OF PETER ENGLAND SHOWROOM
56	8657	BADE SWAPNIL SUNIL	HUMAN RESOURCE MANAGEMENT OF PETER ENGLAND SHOWROOM
57	8658	ZANJAD RAHUL ABAJI	SELECTION AND RECRUITMENT PROCESS OF VARROC POLYMERS PVT LTD
58	8659	ANDHALE SAGAR YOGESH	SELECTION AND RECRUITMENT PROCESS OF THEURKAR HONDA MOTERS
59	8660	ISHWAR BAPU BHOSALE	CASES IN HUMAN RESOURCE MANAGEMENT
60	8661	SHELKE LATA LAHANU	FINANCIAL STATEMENT ANALYSIS OF AXIS BANK
61	8662	SHELKE SAKSHI SANDIP	FINANCIAL STATEMENT ANALYSIS OF AXIS BANK
62	8663	RATHOD KRISHNA ABASAHEB	EFFECTIVENESS OF TRAINING AND DEVELOPMENT
63	8665	PHADAKE SHUBHAM RAMESH	EFFECTIVENESS OF TRAINING & DEVELOPMENT FOR VARROC POLEMER LTD. RANGANGAON.
64	8666	KANSE OMKAR RADHAKISAN	STUDY OF FINANCIAL SERVICES BY BANK OF MAHARASHTRA
65	8667	WAGHACHAURE SARITA DADABHAU	STUDY REPORT ON SONALIKA INTERNATIONAL
66	8668	KHEDKAR SHUBHAM ARUN	SELECTION RECRUITMENT PROCESS OF PETER ENGLAND

Prof. Dr. D.N. Gore
Head of BBA Department

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24

T.Y.B.B.A.

(COMPUTER APPLICATION)

Shirur Shikshan Prasark Mandal's
Chandmal Tarachand Bora College of Arts, Commerce and
Science, Shirur.

Department of B.B.A.(C.A.)

T.Y.B.B.A.(C.A.) Semester-VI

Project List

A.Y.2023- 2024

Roll No	Student Name	Project Name
9601	Potawale Prachi Anil	College Event Management System
9602	Kale Aditya Gangadhar	Vermi Compost Trading Web Application
9603	Kane Shubhangi Shivaji	Online Airline Reservation System
9604	Raut Santoshi Rambhau	Online Airline Reservation System
9605	Shinde Sneha Dnyandeo	Covid 19 Testing Management System
9606	Tole Priti Pralhad	Covid 19 Testing Management System
9607	Ithape Manasi Govindrav	Puneri Pravass Website
9608	Madge Komal Satish	Online Medical Store Management System
9609	Gaikwad Sakshi Dattatray	College Event Management System
9610	Bendre Vaishnavi Chandrakant	Courier Management System
9611	Jagdale Rutuja Santosh	Courier Management System
9612	Jagdale Priyanka Hambir	Online Medical Store Management System
9613	Thoke Rani Sahebrao	Store Management System
9614	Bahadure Rutuja Madhav	Store Management System
9615	Dasgude Pragati Sham	Online Payroll Management System
9616	Kutal Nivedita Santosh	Hostel Management System
9617	Kutal Kajal Dnyandeo	Hostel Management System
9618	Thombare Pratik Arun	Online Fresh And Organic Fruits
9619	Kamble Vaibhav Sanjay	Fee management System
9620	Jawale Saurabh Nandakumar	Online Fresh And Organic Fruits

9621	Landge Ganesh Yuvraj	Fee management System
9622	Chaure Ashlesha Sanjay	Computer Shop System
9623	Dombe Ankita Nilkanth	Computer Shop System
9624	Dhanak Atharv Rajendra	Online Movie Ticket Booking System
9625	Bhogade Bharati Rajendra	Online Payroll Management System
9626	Gawali Tejas Jyotiram	Online Library System
9627	Gawade Swaraj Anil	Supply Chain Management System
9628	Hirve Pallavi Sachin	Online Cab Booking System
9629	Shelke Prajwal Sandip	Online Cab Booking System
9630	Satav Dhananjay Hanumant	Tourism Management System
9631	Sonawane Dhanaraj Rajendra	Supply Chain Management System
9632	Ghadage Sanket Hambur	Online Food Management System
9633	Magar Shashikant Balasaheb	Hospital Management System
9634	Bhad Kunal Vijay	Blood Bank Management System
9635	Ghawate Vivek Shivaji	House Rent Management System
9636	Mule Dnyaneshwar Machindra	House Rent Management System
9637	Kadam Sachin Satish	Blood Bank Management System
9638	Raut Sushant Sunil	Canteen Management System
9639	Raut Pratik Nanasaheb	Cyber Cafe Management System
9640	Sonawane Sanket Suresh	Cyber Cafe Management System
9641	Guttedar Mamata Malikayya	Placement Management System
9642	Naladkar Prerana Pravin	Online Crime Management System
9643	Sakore Rutuja Vasant	Online Crime Management System
9644	Bhujbal Sakshi Balaso	Placement Management System
9645	Daundkar Aditya Tirsing	Online Movie Ticket Booking System
9646	Puri Abhijeet Dattatray	Online Voting Management System

9647	Akash Suresh Sarkate	Online Voting Management System
9648	Walunj Devidas Raghoba	Tool Tax Management System
9649	Shinare Prashant Anand	Tool Tax Management System
9650	Shelke Rohit Santosh	Online Food Management System
9651	Ichake Dhanashri Baburao	Puneri Pravas Website
9652	More Mahesh Dnyandev	Online Pet Accessories
9653	Gawade Ashwini Baban	Zoo Management System
9654	Karpe Mayuri Vitthal	Zoo Management System
9655	Sonuse Aditya Babasaheb	Canteen Management System
9656	Harihar Aditya Mahadev	News Buzz
9657	Nanekar Atharv Balasaheb	Online Course Registration system
9658	Shejwal Prasad Raju	News Buzz
9659	Ghanwat Harshada Jayendra	Student Attendance Management System
9660	Dunge Ambika Rajendra	Student Attendance Management System
9661	Bobade Vaishnavi Shivdas	Online Examination System
9662	Walunj Pooja Santosh	Online Examination System
9663	Avate Divya Mahesh	Online Library System
9664	Labhade Pranav Vitthal	Tourism Management System
9665	Dange Lahu Ananda	Online Course Registration system
9666	Rahul Mahadev Ovhal	Vermi Compost Trading Web Application
9667	Karkhile Akshay Balkrushna	Student Registration Management System
9668	Jadhav Sarthak Santosh	Online Pet Accessories
9669	Pandhare Hemant Lahu	Hospital Management System
9670	Pathan Ubed Munaf	Online Property Management System
9671	Vishwakarma Ashish Badriprasad	Online Property Management System
9672	Auti Rachana Rajendra	Agriculture Management System

9673	Saniya Siraj Tamboli	Agriculture Management System
9674	Bhandari Prabhakar Bhima	Student Registration Management System
9675	Khan Shifa Irfan	Krishi Agro Agency System
9676	Khan Afsha Fazal	Krishi Agro Agency System
9677	Pawar Om Nitin	Employee Leave Management System
9678	Sarode Ajinkya Laxman	Employee Leave Management System
9679	Kale Punam Sambhaji	Electricity Billing Management System

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24

**S. Y. B. B. A.
(COMPUTER APPLICATION)**

**Shirur Shikshan Prasark Mandal's
Chandmal Tarachand Bora College of Arts, Commerce and
Science, Shirur.**

**Department of B.B.A. (C.A.)
S.Y.B.B.A. (C.A.) Semester-IV**

**Project List
A.Y.2023- 2024**

Roll No	Student Name	Project Name
9401	JADHAV ANUSHKA PRAKASH	DAIRY MANAGEMENT SYSTEM
9402	NARODE SAGAR SANTOSH	REAL ESTATE MANAGEMENT SYSTEM
9403	NICHIT RUTUJA KACHAR	ICECREAM PARLOUR MANAGEMENT SYSTEM
9404	PACHARNE RAJ RAMESHWAR	DROP SHIPPING MANAGEMENT SYSTEM
9405	KUTAL PRAJWAL SHAHAJI	BLOOD BANK MANAGEMENT SYSTEM
9406	MORE ONKAR PRAVIN	GYM MANAGEMENT SYSTEM
9407	SHELAR SARTHAK VIJAY	ONLINE NOTE SHARING SYSTEM
9408	VISHNU POPAT SARODE	GYM MANAGEMENT SYSTEM
9409	KARDILE POONAM LAXMAN	HOSPITAL MANAGEMENT SYSTEM
9410	JAGTAP SAKSHI RAMDAS	DOCTOR APPOINTMENT SYSTEM
9411	SHRADHA DADABHAU SHELKE	COLLEGE EVENT MANAGEMENT SYSTEM
9412	PANAGE RAJASHRI NAVANATH	IMAGE SEARCH WEBSITE
9413	RUPALI JAGANNATH DALVI	IMAGE SEARCH WEBSITE
9414	KARDILE SAYALI SAHEBRAO	HOSPITAL MANAGEMENT SYSTEM
9415	SHELKE VRUSHALI SANTOSH	ONLINE FOOD ORDERING SYSTEM
9416	BHOSALE RUTWIK SUBHASH	ONLINE STUDENT REGISTRTION SYSTEM
9417	WADHAVANE GOKUL DHONDIBHAU	ONLINE CRIME MANAGEMENT SYSTEM
9418	WAGHMARE ASHISH ULHAS	LIBRARY MANAGEMENT SYSTEM
9419	BHARTI PRANAV DEVIDAS	LIBRARY MANAGEMENT SYSTEM
9420	PATHARE ADITYA VITHAL	INVENTORY MANAGEMENT SYSTEM
9421	SHAIKH SAHIL KALANDAR	ONLINE PET ACCESSORIES

9422	MORE DIKSHA SUBHASH	HOTEL MANAGEMENT SYSTEM
9423	KURANDALE KADAMBARI DNYANDEV	HOTEL MANAGEMENT SYSTEM
9424	GAWALI DIPTI JYOTIRAM	ONLINE FOOD ORDERING SYSTEM
9425	PISAL SARTHAK MOHAN	ZOO MANAGEMENT SYSTEM
9426	SURKUNDE SACHIN MADHUKAR	ONLINE EXAMINATION SYSTEM
9427	PATHARE SWAPNIL BALU	ANIMIX OTT PLATFORM
9428	WABALE SUJAL SANJAY	ANIMIX OTT PLATFORM
9429	KUTE VAIBHAV SURESH	ZOO MANAGEMENT SYSTEM
9430	LONDHE SAHIL MAHENDRA	ONLINE EXAMINATION SYSTEM
9431	PAKHALE ARYAKUMAR SHRINATH	ART GALLERY MANAGEMENT SYSTEM
9432	WALKE ROHIT TANAJI	ART GALLERY MANAGEMENT SYSTEM
9433	SARIKA ANNASAHEB MANDAGE	ICECREAM PARLOUR MANAGEMENT SYSTEM
9434	AMIT SUNIL SHELAR	BUS PASS MANAGEMENT SYSTEM
9435	GHODKE MRUNAL NANDKISHOR	HUMAN RESOURCE MANAGEMENT SYSTEM
9436	PAWAR SNEHAL SATISH	COSMETIC AND BEAUTY SHOP MANAGEMENT
9437	PAWAR SANSKRUTI SHANKAR	COSMETIC AND BEAUTY SHOP MANAGEMENT
9438	PAWAR POOJA HANUMANT	ONLINE QUIZ MANAGEMENT SYSTEM
9439	KARANJULE RUTUJA PANDURANG	ONLINE QUIZ MANAGEMENT SYSTEM
9440	ICHAKE HARSHADA BHARAT	ONLINE VOTING SYSTEM
9441	GAIKWAD DIVYA DNYANESHWAR	ONLINE VOTING SYSTEM
9442	SUPEKAR OMKAR KAILAS	ONLINE PET ACCESSORIES
9443	KADAVE ABHUIT SUNIL	AGRICULTURE MANAGEMENT SYSTEM
9444	KAWAD SANDESH SUNIL	AGRICULTURE MANAGEMENT SYSTEM
9445	LANKE JAY SHANKAR	REAL ESTATE MANAGEMENT SYSTEM
9446	BORUDE SAGAR SHARAD	ONLINE CRIME MANAGEMENT SYSTEM
9447	PANMAND SRUSHTI DADA	ELECTRICITY BILL MANAGEMENT SYSTEM
9448	KHAN SABINA MUBARAK	HUMAN RESOURCE MANAGEMENT SYSTEM
9449	CHAVAN KAJAL BALASAHEB	DAIRY MANAGEMENT SYSTEM

9450	KUMBHAR OMKAR HANUMANT	INVENTORY MANAGEMENT SYSTEM
9451	GAWADE SUJIT SANJAY	FARMING MANAGEMENT SYSTEM
9452	NANDODE SNEHA SHASHIKANT	GARBAGE MANAGEMENT SYSTEM
9453	SONAWANE CHETAN SAMBHAJI	ONLINE JEWELRY SHOPPING MANAGEMENT SYSTEM
9454	RATHOD AJAY NAVNATH	ONLINE JEWELRY SHOPPING MANAGEMENT SYSTEM
9455	PATHARE ANISHA SUNIL	PLACEMENT MANAGEMENT SYSTEM
9456	WALUNJ PRATIKSHA BHAGCHAND	PLACEMENT MANAGEMENT SYSTEM
9457	KARKHILE CHAITALI SUBHASH	VEHICLE PARKING MANAGEMENT SYSTEM
9458	GAWADE HARSHWARDHAN PARAJI	FARMING MANAGEMENT SYSTEM
9459	BHOSALE SOHAM SUDAM	BUS PASS MANAGEMENT SYSTEM
9460	PRATIK PRADEEP GHATGE	CONSTRUCTION MANAGEMENT SYSTEM
9461	SHELKE VENKATESH SACHIN	CONSTRUCTION MANAGEMENT SYSTEM
9462	BADHE SAMARTH SANJAY	GAS AGENCY MANAGEMENT SYSTEM
9463	PHATAKADE MOHAN ASHOK	WATER BOTTLE SUPPLIER SERVICE MANAGEMENT SYSTEM
9464	PATHARE ARCHANA SUDAM	BOOK SHOP MANAGEMENT SYSTEM
9465	JADHAV SHUBHAM BABAN	ONLINE FOOD MANAGEMENT SYSTEM
9466	SONAWANE HARSHVARDHAN RAKESH	DROP SHIPPING MANAGEMENT SYSTEM
9467	JAMDAR VAISHNAVI MAHENDRA	BOOK SHOP MANAGEMENT SYSTEM
9468	CHAVAN SHUBHAM HARISHCHANDRA	WATER BOTTLE SUPPLIER SERVICE MANAGEMENT SYSTEM
9469	NAVALE SALONI ASHOK	-
9470	SHRIRAM PRAMOD NANDU	HOUSE RENTAL MANAGEMENT SYSTEM
9471	PANIKAR AMAL SUDHAKAR	BLOOD BANK MANAGEMENT SYSTEM
9472	CHOUHAN PRIYANKA MUKHLAL	-
9473	AKSHAY SANDIP MALGUNDE	HOUSE RENTAL MANAGEMENT SYSTEM
9474	PATHARE SIMA BHANUDAS	DOCTOR APPOINTMENT SYSTEM
9475	SARADE ADITYA RAGHUNATH	VEHICLE PARKING MANAGEMENT SYSTEM

9476	BHOSALE RAHUL SHARAD	ONLINE FOOD MANAGEMENT SYSTEM
9477	SHINDE DURVANKUR HANUMANT	PHARMACY MANAGEMENT SYSTEM
9478	CHAVAN ATHARVA UMESH	GAS AGENCY MANAGEMENT SYSTEM
9479	THAKARE JAYESH RAJKANT	PHARMACY MANAGEMENT SYSTEM
9480	KHANDAGALE GAURAVI PRAVIN	COLLEGE EVENT MANAGEMENT SYSTEM
9481	SHINARE ROHIT DNYANDEV	BANK LOCKER MANAGEMENT SYSTEM
9482	WAGADARE SADHANA DATTATRAY	STUDENT ATTENDANCE SYSTEM
9483	TUSHAR SANTOSH PABALE	CLASSES MANAGEMENT WEBSITE
9484	PRATIK SANTOSH SARODE	CLASSES MANAGEMENT WEBSITE
9485	NIMBHORE SOHAM RAJENDRA	ONLINE STUDENT REGISTRTION SYSTEM
9486	THORAT POOJA RAMDAS	ELECTRICITY BILL MANAGEMENT SYSTEM
9487	LONDHE SHRADDHA BALU	STUDENT ATTENDANCE SYSTEM

Shirur Shikshan Prasarak Mandal's

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2023-24



**M. SC.
(BOTANY)**

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College Shirur,

Department of Botany

M.Sc. Project Student 2023-24

Sr. No.	Student Name	Project Title	Mentor name
1	Barshile Alka S.	"Effect of Salt (NaCl & KCl) On seed germination of some selected pulses"	Prof. D .D. Pawar
2	Salke Harshada R.	Study of some medicinal plant from Ahmednagar Tahasil	Dr. S. D. Devikar
3	Firdos Tamboli	Comparative Study Between Extraction Of Terpenoids and Green Synthesis Of Copper Oxide Nanoparticles from in vivo And In Biomass Of Sphaeranthus Gomphrenoids	Dr. V. B. Naikawadi
4	Pachange Ruchita	Phytochemical screening and antimicrobial activities of <i>Iphigenia magnifica</i> Ansari &R.S.Rao	Prof. P. P. Sangale
5	Lande Neha	Green synthesis of Copper oxide Nanoparticles from <i>Balanites aegyptica</i> leaf extract and its characterization.	Dr. A. D. Kshirsagar



Prof. N.M. Ghangaonkar
Head Department of Botany

Dr. N. M. Ghangaonkar
Professor and Head,
Department of Botany,
C. T. Bora College, Shirur,
Pune - 412210

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2023-24

**T. Y. B. SC.
(PHYSICS)**

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College, Shirur

Department of Physics
T.Y.B.Sc Project Students 2023-24

Sr. No.	Student Name	Project Title	Mentor Name
1.	Khaire Ritesh Satyawar	Energy Audit of Kendur Town	Dr. K. C. Mohite
2.	Ghawate Vaishnavi Ashok	Energy Audit of Ramling Town	Dr. K. C. Mohite
3.	Kale Neha Anil	Sound Pollution in Festivals	Dr. D. H. Bobade
4.	Dixit Vaishnavi Satish	Study of Laser and it's Applications	Dr. D. H. Bobade
5.	Golande Omkar Kailash	Study of Laser and it's Applications	Dr. D. H. Bobade
6.	Ovhal Priyanka Shahaji	Study Of Telescope And its Applications	Dr. D. H. Bobade
7.	Lokhande Rutuja Machhindra	Energy Audit at Jawla	Dr. S. P. Kamble
8.	Raskar Kirti Kashinath	Energy Audit at Jawla	Dr. S. P. Kamble
9.	Gadilkar Sudarshan Balbhim	Energy Audit of Ralegan Therpal Town	Dr. S. P. Kamble
10.	Bhalerao Govind Sambhaji	Energy Audit of karegaon Town	Dr. S. P. Kamble
11.	Chaugule Srushti Sunil	Energy Audit of Takli Haji Town	Dr. S. M. Pandharkar
12.	Chetna Ashok Shinde	Energy Audit of Kohakadi Town	Dr. S. M. Pandharkar
13.	Nade Dipak Hanumant	Energy Audit of Yelpane Town	Dr. S. M. Pandharkar
14.	Limgude Nikita Ramdas	Energy Audit of Kendur Town	Dr. S. M. Pandharkar

15.	Rankhambe Gayatri Deepak	Performance Of Solar Panel	Prof. S. B. Kawade
16.	Kurandale Neha Anand	Performance Of Solar Panel	Prof. S. B. Kawade
17.	Gaikwad Rushikesh Raju	Performance Of Solar Panel	Prof. S. B. Kawade
18.	Mahadik Vaibhav Machindra	Performance Of Solar Panel	Prof. S. B. Kawade
19.	Gandhale Pratiksha Bhagwan	Working Model Of Hydroelectric Power Plant	Prof. A. M. Khaire
20.	Shelke Vaishnavi Gorakhnath	Working Model Of Hydroelectric Power Plant	Prof. A. M. Khaire
21.	Salve Darshan Prakash	Working Model Of Hydroelectric Power Plant	Prof. A. M. Khaire
22.	Chaudhary Nitukumari Saisaram	Working Model Of Hydroelectric Power Plant	Prof. A. M. Khaire
23.	Punde Punam Shivaji	Working Model Of Solar Air Cooler	Prof. P. H. Gaikwad
24.	Bhujbal Gaurav Ramdas	Working Model Of Solar Air Cooler	Prof. P. H. Gaikwad
25.	Rode Aniket Dattatray	Experiments Of G.M. Counter	Prof. P. H. Gaikwad
26.	Sayyad Aarman Sharpuddin	Experiments Of G.M. Counter	Prof. P. H. Gaikwad

Dr. K. C. Mohite
Principal and Head of Department

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
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Shirur - Ghodnadi , Dist.- Pune

2023-24



**M. SC.
(PHYSICS)**

Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College, Shirur

Department of Physics

M.Sc. Project Students 2023-24

Sr. No.	Student Name	Project Title	Mentor Name
1.	Theurkar Seema Mahindra	Study of CdS nanoparticles and chlorophyll pigment molecules extraction from fresh spinach leaves	Dr. S P.Kamble
2.	Devikar Priyanka Satpal	Synthesis & Characterization of Zn doped CuO Nanoparticles by Sol-Gel Method	Dr. S. M. Pandharkar
3.	Surekha Balu Hole	Energy Report On Homemade Solar Water Heater at Low Cost	Prof. S. B. Kawade
4.	Ganesh Subhash Dhumal	Synthesis & Characterization of Zn doped CuO Nanoparticles by Sol-Gel Method	Dr. S. M. Pandharkar

Dr. K. C. Mohite

Principal and Head of Department

Shirur Shikshan Prasarak Mandal's

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2023-24



**M.COM. I
(COMMERCE)**

S.S.P. Mandal's

**Chandmal Tarachand Bora College of Arts, Commerce, and Science, Shirur
Dist,Pune Maharashtra- 412210**

Department of Commerce

Research Project of M.Com. Part I – (Academic Year 2023-24)

Students who Completed Research Project of M.com

Sr.No	Name of the Students	Name of The Project
1.	AVACHITE APEKSHA SACHIN	A Critical study of the Personal Loan given by ICICI Bank Ranjangaon.
2.	AWCHITE SWAPNALI MARUTI	A Study of Goldl Loan given by PDCC Bank of Nhavara.
3.	BENDRE ADINATH DILIP	A Study of Deposites Schemes of Janata Sahakari Bank
4.	BHALERAO DIPALI SAKHARAM	A Study of Agricultural Loan given by PDCC Bank of Inamgaon.
5.	BHALERAO ROHIT SAHEBRAO	A Critical study of the Loan Schemes and procedures Provided by Jai Ganesh Co-Operative Society,Shirur
6.	BHOSALE MAYURI SUBHASH	A Critical study of the Schemes Provided by Nirmal Ujwal Credit Co-Operative Society,Pune
7.	BOKHARE AJINKYA SANTOSH	A Study on Financial Analysis of Mutual Funds at HDFC Bank ,Sikrapur
8.	BRAMHANE SHUBHAM KAILAS	A Study of Loan Recovery and Managerial Structure of Janata Sahakari Bank,Shirur.
9.	CHAVAN PRATIKSHA SATISH	A Study of Loan and Advances at SBI bank Ranjangaon MIDC.
10.	DHARAK SAKSHI SHARAD	A Study of Car loan in HDFC Bank ,Shirur,2023-24.
11.	DHAWADE YOGITA RAGHUNATH	The Balance Sheet study of Dr.Manibhai Desai gramin non-Agriculture Patasnastha ltd,Shirur.
12.	DUDHAL MANSI PRADEEP	The Case study of Personal Loan Shirur branch of ICICI branch
13.	GAVARE REKHA BABU	A Study of Miscellineouse Loan provided by PNB
14.	GOHAR ISHIKA VIKAS	A Study of Net Banking Facilities of Canara Bank,Shirur.
15.	GURAV MOHINI KAILAS	A Critical study of the Money Bank Policy
16.	HARDE SHUBHAM VILAS	A Study of Financial performance Analysis of HDFC Bank
17.	JADHAV AKSHAY DINKAR	A Study of Goldl Loan given by SBI Bank of Nimone
18.	JAMBHLKAR CHAITALI MANIK	A critical study of Management strategies of Mithila Nagari Sah



19.		Patsanstha
	JAUNJAL SHUBHAM RANGNATH	A Critical study of the Customer services Provided by Kanhur Pathar Patsanstha
20.		The Balance Sheet study of Jijamata mahila Co-Operative Society, Shirur.
	KHEDKAR KOMAL SHANKAR	
21.		A Study of Women Empowerment Schemes provided by SBI Bank.
	KOLHE NEHA BALASO	
22.		A Study of Agricultural Loan given by ADCC Bank
	KOLPE RUSHIKESH BALASAHEB	
23.		A Critical study of the Annual Report of Shree Swami Samartha Co-operative Bank.
	KUTE VAISHNAVI PRATAP	
24.		A Study of Home loan of ICICI Bank
	LAMKHADE AKANKSHA VIJAY	
25.		Goreswar gramin Multistate CoOperative Credit ltd bankechya karyapadhtich chikitsak abhyas
	LANDE PRASHANT AJINKYA	
26.		A Study of Home loan of ICICI Bank
	LATE PRIYADARSHANI KAILAS	
27.		A Critical study of the Nandgaon Vivid karyakari Society, Nandgaon
	LONKAR KOMAL KANTILAL	
28.		A Study of Modern Technology and Banking Financial Services
	MADAGE ANUJA SHIVAJI	
29.		A Study of Public Welfare services provided by Shirur Grampanchayat.
	MAHAJAN TANVI TANAJI	
30.		A study of Labour working in Raosaheb Dada Pawar Ghodganga Sahakari Sakhar Karkhanan
	MARANE RUSHIKESH LAXMAN	
31.		A Study of Gold Loan given by HDFC Bank
	NAWLE VAISHNAVI RAGHVENDRA	
32.		A Study of Modern Technology provided by SBI Bank.
	NIMBALKAR VISHWAJIT SHAHAJI	
33.		A Study of Financial performance Analysis of HDFC Bank
	PANIKAR GOPIKA ANIL	
34.		A Study of Agricultural Loan given by Krishnkanhaiya Gramin Non-Agri Co-Operative Society.
	PANSARE OMKAR BHIVSEN	
35.		A Critical study of the Schemes and Policis of LIC
	PATHARE PUNAM LAXMAN	
36.		A study of Online Banking Services provided by Shradha Finance Consultancy
	PAWAR ABHIJIT SURESH	
37.		A Study of None Performing Assets of IDBI Bank.
	PRERANA RAMJEET VARMA	
38.		A Study on Veicles Loan of HDFC Bank .
	RANDIVE KIRAN ABHIMAN	
39.		A Study of Educational Loan provided by SBI Bank.
	RASAKAR PRANALI APPA	
40.		The Balance Sheet study of Samapada Nagari Co-Operative Society, Shirur.
	SARODE BHARATI ANKUSH	
41.		A study of Online Banking Services provided by Shri Sai Multistate Finance, Vadegavhan.
	SASANE SAKSHI GORAKH	
47.		A Critical study of the Loan Provided by Bank of India, Shirur
	SHAKYARYAR MANSI UMESH	
43.		A study of Pension Scheme of Central Bank of India
	SHINDE ANISHA BHAU	
44.		A Study of Deposites Schemes of Axis Bank
	SHINDE AVISHKAR BALU	
45.		A Study of Home loan in Axis Bank
	SHINDE PALLAVI DNYANESHWAR	
46.		A Study of Home loan in HDFC Bank
	SONAWANE TRUPTI VIJAY	



47.	THUBE NIKITA AVINASH	A Critical study of the Annual Report of Shree Swami Samartha Co-operative Bank.
48.	UBALE PRATIKSHA VASANT	A Critical study of the Banking Procedure of Prerana Nagari Co-Operative Society
49.	VARADA UDAYRAO PANDE	Portfolio Management & Mutual Fund Analysis for IDBI Bank
50.	WALKE ROHAN RAMDAS	A Study of Agricultural Loan given by PDCC Bank of Ranjangaon Ganapati.Shirur.



Dr. R.A. Gaikwad
Head of Department




Dr. K. C. Mohite

Principal
Chaudhri Tarachand Bora College
of Arts, Commerce and Science
Shirur - Choudhri, District - Pune

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24



**M.COM. II
(COMMERCE)**

S.S.P. Mandal's

Chandmal Tarachand Bora College of Arts, Commerce, and Science, Shirur
Dist,Pune Maharashtra- 412210

Department of Commerce

Research Project of M.Com. Part II – (Academic Year 2023-24)

Students who Completed Research Project of M.com

Sr.No	Name of the Students
1.	Vyavhare Yogesh Namdev
2.	Igave Payal Suresh
3.	Auti Deepali Pandurang
4.	Lande Shubham Tukaram
5.	Shelke Yugandhar Manik
6.	Padol Premraj Dattatray
7.	Khandare Ashwini Nitin
8.	Shelar Shreyas Vinayak
9.	Nikita Balasaeb Thorat
10.	kutundale Rutuja Bhausaheb
11.	Pooja Rajaram Nawale
12.	Veer Shrushi Sudam
13.	Ghodake Sakshi Umakant
14.	Raykar Tejasvini Santosh
15.	Mate Sonal Chandrakant
16.	Parbhane Payal Ramesh
17.	Mhalaskar Rani Phakkad
18.	Manisha Popat Kokade
19.	Phand Harshada Vijay
20.	Gangad Akshay Balasaheb
21.	Snehal Rohidas Kane
22.	Kiran Kailas Narsale
23.	Mhaske Pratiksha Prakash
24.	Harde Kajal Balasaheb
25.	Zende Varsha Shamkant
26.	Samrudhi Deelip Shelke
27.	Diksha Vijay Malave
28.	Mitali Machindra Sonawane
29.	Kad Sonal Balkrushna
30.	Sakshi Avinash Dolas
31.	Phalake Ruishikesh Dilip



Dr. R.A. Gaikwad

Head of Department



Dr. K. C. Mohite

Principal

Chandmal Tarachand Bora College
of Arts, Commerce and Science
Shirur - Chondnagi, District - Pune

Shirur Shikshan Prasarak Mandal's

**Chandmal Tarachand Bora College of Arts,
Commerce and Science**

Shirur - Ghodnadi , Dist.- Pune

2023-24



**M.COM. II
(ECONOMICS)**

S.S.P. Mandal's

Chandmal Tarachand Bora College of Arts, Commerce, and Science, Shirur

Dist,Pune Maharashtra- 412210

Department of Economics

Research Project of M.A. Part II – (Academic Year 2023-24)

Students who Completed Research Project of M.A

Sr.No	Roll.No	Name of the Students	Title of the Project
1.	7621	Shelar Neelam Bhagchandra	शिरापूर गावातील ब्रिटानिया दूध डेअरी व्यवसायाचे विश्लेषणात्मक अभ्यास.
2.	7622	Chavan Suraj Sunil	भारतीय शेअर बाजाराचा विश्लेषणात्मक अभ्यास.
3.	7623	Bhauseheb Bhimrao Sirsat	बँकिंग पर्यावरणाचा चिकित्सक अभ्यास.
4.	7624	Kedari Swati Ananda	शिरसगाव काटा ग्रामपंचायतचे कामकाज व ग्रामपंचायतद्वारे दिल्या जाणाऱ्या ग्रामविकास योजनांचा विश्लेषणात्मक अभ्यास.
5.	7625	Kulkarni Suvarna Anil	भारतातील दारिद्र्य व बेरोजगारी यांचा अर्थशास्त्रीय अभ्यास.
6.	7626	Pawar Madhuri Badri	हाय फिजिक्स लॅब उद्योग संस्थेचा एक यष्टी अध्ययन.
7.	7627	Sarde Akanksha Raghunath	महाराष्ट्रातील कृषीच्या नगदी पिकांच्या चिकित्सक अभ्यास.
8.	7628	Rathod Pallavi Popat	बजाज एलायस कंपनीचा अर्थशास्त्रीय विश्लेषणात्मक अभ्यास.
9.	7632	Narhe Sonam Navnath	अमुल दूध उत्पन्नाचा अर्थशास्त्रीय विश्लेषणात्मक अभ्यास.
10.	7629	Alhat Sandhya Raju	म्युच्युअल फंड गुंतवणुकीचा एक चिकित्सक अभ्यास. (२०२३-२०२४)
11.	7630	wagh Surekha Balu	राष्ट्रीय कृषी व ग्रामीण निव्वड - एक चिकित्सक अभ्यास.

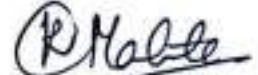


12.	7631	Choudhary Mahima Chandra	२०२३) शिरूर तालुक्यातील भारतीय स्टेट बँकेचा चिकित्सक अभ्यास.
13.	7633	Salve Yash Dharma	भारतातील सन 2024 - 25 केंद्रीय अंतरिम अर्थसंकल्प एक चिकित्सक अभ्यास.
14.	7634	Shelar Sham Ganesh	दुग्ध शाळा (डेरी फार्मिंगचा) अभ्यास करणे.
15.	7620	Bhiware Jana Dutta	स्टेट बँक ऑफ इंडिया (शाखा शिरूर) बँकेतील आधुनिक तंत्रज्ञानाचा चिकित्सक अभ्यास.



Dr. S.P. Borse

Head of Department

Dr. K. C. Mohite

Principal

**Chandmal Tarachand Bora College
of Arts, Commerce and Science
Shirdi - Maharashtra, District - Pune**



Savitribai Phule Pune University

(Formerly University of Pune)

Two Year Post-Graduate Program in Chemistry

(Faculty of Science & Technology)

Choice Based Credit System Syllabus (2019 Pattern)
of

M.Sc. (Chemistry) Part-II

Physical Chemistry, Inorganic Chemistry, Organic Chemistry
Drug Chemistry and Analytical Chemistry

for

Colleges Affiliated to Savitribai Phule Pune University

Implemented from Academic Year
2020-2021

Title of the Course: M.Sc. (Chemistry) (Part-II)

1. Structure of the Course:

Basic structure/pattern (Framework) of the proposed postgraduate syllabus for the two years integrated course leading to M.Sc. (Chemistry) in the colleges affiliated to Savitribai Phule Pune University. The general structure for the M. Sc-II year Chemistry (all specializations) is as follows:

Semester - III			
Sr. No.	Paper No	Description	Credit
1	CCTP-7	Core Compulsory Theory Paper	4
2	CCTP-8	Core Compulsory Theory Paper	4
3	CCTP-9	Core Compulsory Theory Paper	4
4	CBOP-3	Choice Based Optional Paper - Theory	4
5	CCPP-3	Core Compulsory Practical Paper	4
Semester-IV			
6	CCTP-10	Core Compulsory Theory Paper	4
7	CCTP-11	Core Compulsory Theory Paper	4
8	CBOP-4	Choice Based Optional Paper - Theory	4
9	CBOP-5	Choice Based Optional Paper – Practical/ Project	4
10	CCPP-4	Core Compulsory Practical Paper	4

Choice of the optional papers: All colleges are encouraged to give the choice of optional papers to the students and conduct the separate classes if 40% or more students opt a different course than 60% or less students.

The specializations are:

1. Physical Chemistry
2. Inorganic Chemistry
3. Organic Chemistry
4. Drug Chemistry
5. Analytical Chemistry
6. Biochemistry

2. Teaching Hours

a) Theory – Each credit of theory is equivalent to 12 teaching hours + 3 tutorial hours. For 1 credit of theory there will be 1 L of 1 hour per week. Thus, 1 theory course will have total 15 weeks of teaching and it will be distributed as of 48 h for teaching and 12 h for tutorials and internal evaluation. In case of theory paper consisting of sections, each section is of 2 credits and time allotted will be 24 h teaching and 6 h for tutorials and internal evaluation.

b) Practical – Each credit of practical is equivalent to 24 teaching hours + 6 tutorial hours. For 1 credit of practical there will 2 L of 1 h per week. Thus, 1 practical course will have total 15 weeks of teaching and it will be distributed as of 96 h for performing practical and 24 h for tutorials and internal evaluation. i) Each experiment will be allotted 4 h time (one practical session) and for 1 course two sessions of 4 h per week should be allotted or ii) In case practical course is extended for one year, then total 30 weeks (15 week per sem.) and 4 h



Savitribai Phule Pune University

(Formerly University of Pune)

S.Y.B.A. (Geography) Correction

Choice Based Credit System Syllabus

To be implemented from Academic Year 2020-2021

Semester	Core Courses	Paper No	Paper Code	Subject	Total Lecture	Credit
III	Geography CC-1C	G2	Gg: 201(A)	Environmental Geography I OR Economic Geography -I	48	3
	Geography DSE – 1A	S1	Gg: 220(A)	Geography of Maharashtra - I OR Population Geography – I	48	3
	Geography DSE – 2A	S2	Gg: 210(A)	Practical Geography – I (Scale and Map Projections)	60	4
	SEC-I		SEC - A	Introduction to Geographical Information System (GIS) / Applied Course of Disaster	30	2

S.Y.B.A. Geography SyllabusName of Subject: **APPLIED COURSE OF Travel & Tourism**Subject Code: **SEC – B Semester -IV****Total Credit:02,****Total Periods: 30**

1. To develop basic framework to understand the various elements of tourism management.
2. To evaluate the role of transport in travel and tourism industry.
3. To develop the skills to arrange, manage and implement various types of tours.

Skills to be developed:

1. Students will be able to perform online as well as offline booking and cancellation procedures for different available modes of travel and tourism.
2. Students will be able to acquire earning skills in tourism industry.

Course Outcome:

1. Perform online as well as offline booking and cancellation procedures for different available modes of travel and tourism.
2. Acquire earning skills in tourism industry.

Introduction to Tourism			
Unit No.	Topic	Learning Point	Periods
1	Introduction to Travel and Tourism	1.1 Basic concepts: Travel & Tourism 1.2 Types of Tourist and Tourism 1.3 Types of transportation	05
2	Local Tourism	2.1 Concept and need of local tourism 2.2 Introduction to local tourist places	05
3	Tour planning and Skill development	3.1 Basic skills: Communication, Time Management, Computer operating, online booking, Net banking, Cancellation of booking and ticket, etc. 3.2 Framing the tour plan (Itinerary): Budget (Costing), Duration, Insurance, Route and other requirements for individual, family, group and mass level tours 3.3 Promotion of tourism	10
4	Project work and Visit to tourist place	4.1 One short tour (Not more than two days duration) and Preparation of tour report.	10

Text Books:

1. Bhatia. Tourism Development (New Delhi, Sterling)
2. Seth: Tourism Management (New Delhi, Sterling)
3. Kaul: Dynamics of Tourism (New Delhi, Sterling)
4. Mill and Morrison – The Tourism system an Introductory Text (1992) Prentice Hall
5. Cooper, Fletcher, Tourism, Principles and practices (1993) Pitman
6. Burkart and Medlik Tourism, Past, Present and Future (1981) Heinemann, ELBS.
7. P.S. Gill, Dynamics of Tourism (4 Vols) Anmol Publication.
8. P.C. Sinha, Tourism Management. Anmol Publication.



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Geography

(Faculty of Science & Technology)

S.Y.B.Sc. (Geography)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2020-21

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

Choice Based Credit System

(With effect from June 2020)

S.Y.B.Sc. Syllabus, Semester-IV

Surveying – II (Paper-III)

Course No. GG-243 Total no. of Credits: 02 No. of Practicals: 15 (4 Hours each Practical)

Note:

1. Each practical batch **should not have more than 12 students each.**
2. A separate question paper should be set for each batch.
3. Four hours of one practical should be allotted.

Objectives:

- i. To acquaint the students with the principles of surveying, its importance and utility in the Geographical study.
- ii. To familiarize the students with the basic aspects of linear, vertical, and angular measurements of surveying.
- iii. To introduce the importance, basic principles, and uses of GPS in surveying.
- iv. To identify sources and types of errors occurs during surveys.

Course Outcome:

1. **Students would get knowledge of the principles of modern surveying techniques.**
2. Students would familiarize themselves with modern surveying techniques.
3. Students would develop their skill to use modern land surveying instruments and related calculations.
4. Students would be able to appreciate applications of recent surveying techniques to understand landuse and land cover.

Sr. No.	Name of the Topic	Learning Points	No. of Practicals 15 (4 Hours/Practical)
1	Dumpy/Auto Level Survey	1. Introduction 2. Structure and function of Dumpy Level / Auto Level with allied instruments 3. Methods of Dumpy Level/Auto Level Survey <ol style="list-style-type: none"> i. Collimation Method ii. Rise and Fall Method (One field survey of each method) 4. Examples on Collimation Method and Rise and Fall Method (One example each) with Arithmetic Check	05

2	Theodolite Survey	1. Definitions, concepts, and importance of Theodolite survey 2. Components of Theodolite survey, adjustments in theodolite 3. Types of Theodolite and Methods of Theodolite Surveys: Transit and non-transit theodolite Surveying and plotting: intersection method and Tacheometric (One example each)	04
3	Field Survey	1. Dumpy Level/Auto Level survey with plotting and report writing 2. Theodolite survey with plotting and report writing (Per batch one separate field survey for both the surveys)	04
4	Excursion or Village Survey	Visit to any geographically significant location anywhere in the country for all the students together. Or Socio-economic village survey	02

Reference Books:-

1. Bygott, J. (1955). Map work and Practical Geography. 5th Edition, University Tutorial Press, London.
2. Davis, R.E. and Foote, F.S. (1953). Surveying, McGraw-Hill Book Co., New York.
3. Deshpande, G.B. (1991). Surveying, Everest Publishing House, Pune
4. Kanetkar T.P. and Kulkarni S.V. (1983). Surveying and Levelling (Part I and II), Vidarthi Gruha Prakashan, Pune.
5. Mishra, R.P, and Ramesh A. (2000). Fundamental of Cartography, Concept Publishing, Company, New Delhi.
6. Monkhouse, F.X.J. & Wilkinson, H.R. (1989). Maps & Diagrams, B.I Publications, Bombay.
7. Robinson, A.H. & Sleep, R.D. (1969). Elements of Practical Geography, John Wiley publications, New York.
8. Singh Gopal (1996). Map Work and Practical Geography, Vikas Publishing House Pvt. Ltd., New Delhi.
9. Singh, Lekhraj & Singh R. (1973). Map work and Practical, Central Book Depot. Allahabad.
10. Singh, R.C., and Dutta (1993). Elements of Practical Geography, Kalyani Publications, New Delhi.
11. Singh, R.L., and Kanaujia L.R.S. (1963). Map Work and Practical Geography, Central Book Depot, Allahabad.
12. Singh, R.L., and Singh, R.P.B. (1997). Elements of Practical Geography, Kalyani Publishers, New Delhi.

SAVITRIBAI PHULE PUNE UNIVERSITY
Ganeshkhind, Pune 411007

Faculty of Commerce & Management

Manual of
Internship Programme for
Third Year B. Com. Students
(Semester V & VI)
Under
Choice Based Credit System

June 2021

Preamble: -

India is recognized as one of the youngest nations in the world with over 50% of the population under 30 years. It is estimated that by about 2025, India will have the 25% of the total global workforce (World Competitiveness Yearbook, 2012).

Hence, there is a need to further develop and empower the human capital to ensure the nation's global competitiveness. As far the economic progress of our country is concerned, India is still lagging behind due to various problems like poverty, unemployment, illiteracy, medical infrastructure etc.

Youth plays a crucial role in achieving economic prosperity of the country. In the present scenario, it is found that most of the youth being educated are facing severe unemployment problem due to lack of skills and technical knowledge. Most of them are unaware of the developments taking place in the modern world.

National Skill Development Initiative will empower all individuals through improved skills, knowledge, nationally and internationally recognized qualifications to gain access to employment and ensure India's competitiveness in the global market.

The National Education Policy 2020 also emphasize Practical Assignments and Skill Development to the students across institutes of higher learning in various streams.

In view of this, Savitribai Phule Pune University has come up with a concept to provide 'Internship' to all students studying in semester V & VI across faculty of commerce.

The internship programme will provide valuable work experience to the students, help them explore a career path and develop and refine skills that will eventually give themselves an edge in the job market

The University has established a pool of business establishments who are willing to provide practical exposure to the students for sixty hours in their respective organisations. The certificate awarded by these establishments will add a value to the academic credentials of participating students.



महाराष्ट्र MAHARASHTRA

2022

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या कानूनमधील काही मुद्रांक खोली केला त्यांनी त्याच काळासाठी पत्रांक खोली केल्यापासून सहा महिन्यात वापराणे बंधनकारक आहे

दस्ताचा प्रकार / अनुच्छेद कणांक

दस्त नोंदणी करणार आहे का?

नोंदणी होणार असल्यास दुय्यम निबंधक कार्यालयाने नाव

मिळकतीचे वर्णन

पाबदला रक्कम

मुद्रांक विकत घेणाऱ्याचे नाव व पत्ता

दसऱ्या पक्षकाराचे नाव

हस्त असल्यास नाव व पत्ता

मुद्रांक मूलक रक्कम

मुद्रांक विक्री मॉदवही अनुक्रमांक

मुद्रांक विकत घेणाऱ्याची सही

परवाना धारक मुद्रांक विक्रेत्याचे नाव

सही व परवाना क्रमांक :- 22822002

मुद्रांक विकत घेणाऱ्याचे ठिकाण / पत्ता

प्रतिशपत्र
शिरूर जिल्हा

सा. प्रसाक के. ली. मोहिते

सागर समिते

9000

2003 दि. 22/1/2023

श्री. तुषार सुभाष जाधव
नहविल कलेरी आवार, शिरूर.
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AGREEMENT

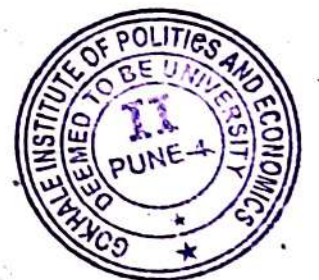
Between

Dr. Dhananjayaro Gadgil Centre for Sustainable Village Development, Gokhale Institute of Politics and Economics (GIPE), Pune.

And

Shirur Shikshan Prasarak Mandal's, Chandmal Tarachand Bora College of Arts, Commerce and Science, Shirur, Dist.- Pune.

For Knowledge-College-Village Collaboration Scheme for Sustainable Development of Villages



This Memorandum of Understanding is executed on 24 August, 2023 between **Dr. Dhananjayrao Gadgil Centre for Sustainable Village Development, Gokhale Institute of Politics and Economics (GIPE), a Deemed to be University with office located at 846, Shivajinagar, BMCC Road, Deccan Gymkhana, Pune- 411 004 Maharashtra.** The GIPE is registered under the Societies Registration act, 1860, and the Bombay Public Trusts Act, 1950, hereinafter referred to as "GIPE", of the First Part and

Shirur Shikshan Prasarak Mandals, Chandmal Tarachand Bora College of Arts, Commerce and Science, Shirur, Dist. Pune- 412210 Maharashtra, affiliated to Savitribai Phule Pune University (formerly University of Pune): ID No. PU/PN/ASC/019/[1968], (hereinafter referred to as 'C. T. Bora College'), through the Principal, of the Second Part.

WHEREAS

- (i) GIPE is a deemed to be University engaged in economic research and teaching along with allied areas;
- (ii) Dr. Dhananjayrao Gadgil Centre for Sustainable Village Development is an extension center of GIPE has taken up the task of dissemination of knowledge in rural areas by means of conducting orientation programmes, lectures, discussions etc.
- (iii) C. T. Bora College of Arts, Commerce and Science, Shirur, Tal.- Shirur, Dist.- Pune is a higher education institution with responsibility of creation, preservation and dissemination of knowledge through teaching, research and extension college is discharging its duties in the rural grass root area.
- (iv) GIPE and C. T. Bora College of Arts, Commerce and Science, Shirur, Tal.- Shirur, Dist.- Pune desire to enter into this MoU to enable collaboration with each other for the specific purposes of implementation of a grass root level scheme for the benefit and capacity building of villages within the State of Maharashtra.

GIPE and C. T. Bora College of Arts, Commerce and Science, Shirur, Tal.- Shirur, Dist.- Pune shall hereinafter individually be referred to as 'Party' and collectively as 'Parties'

The Memorandum of Understanding between the parties would be governed by the terms and conditions mentioned hereunder:

Title of the Scheme: Knowledge-College-Village Collaboration Scheme for Sustainable Development of Villages

I. OBJECTIVE:

This Agreement shall govern the jointly implementation of the scheme through various Non-agricultural Universities and Affiliated Colleges in the State of Maharashtra.

II. VARIOUS TYPES OF ACTIVITIES TO BE CONDUCTED UNDER THE SCHEME:



1. **Awareness Programmes:** The parties shall conduct various awareness programmes regarding Sustainable Development Goals 2030 and Knowledge-College-Village Collaboration Scheme.
2. **Collaborative & Conversion Programmes:** The parties shall make collaboration of Universities and Colleges for Sustainable Development of Villages and shall conduct conversion programmes and activities for conversion of various Government Departments and Ministries.
3. **Research & Study Activities:** The Parties shall conduct study programmes and research activities regarding problems, solutions towards those problems related to Sustainable Development of Villages.
4. **Extension Activities:** The parties shall conduct extension activities for socio-economic surveys of villages, extension for awareness, problems identification, providing solutions through extension programs of Universities and Colleges.
5. **Evaluation Programmes:** The parties shall conduct evaluation studies about the different developmental schemes, projects and activities implemented through different Government Departments and Institutions and small evaluation projects of Government developmental schemes at grass root level.

III. RESPONSIBILITIES OF DR. DHANANJAYARAO GADGIL CENTRE FOR SUSTAINABLE DEVELOPMENT, GIPE

The responsibilities of Dr. Dhananjayarao Gadgil Centre for Sustainable Development, GIPE for the scheme will be as follows:

1. To provide academic support in designing various activities and programmes of the Knowledge-College-Village Collaboration Scheme.
2. To extend support for conducting socio-economic surveys for Sustainable Development of Villages.
3. To develop academic material for conduct of surveys, study activities and small research projects.
4. To develop physical and digital material for conduct of surveys and awareness programmes.
5. To design training programme at University level (Master trainer) and at College levels.
6. To provide necessary technical support to conduct training programmes at University and College levels.
7. To provide monitoring and evaluation tools for the smooth functioning of the scheme.



8. To arrange third party evaluation and monitoring of the scheme.
9. To design various competitions at Village, College and University levels for the Sustainable Development of Villages as well as Colleges.
10. To design and to provide academic and technical support for collaborative programmes to improve the conversion among different Government Departments and Ministries.

IV. RESPONSIBILITIES OF C. T. BORA COLLEGE OF ARTS, COMMERCE AND SCIENCE, SHIRUR

The responsibilities of the C. T. Bora College of Arts, Commerce and Science, Shirur will be as follows:

1. To provide administrative set up for the implementation of collaborative scheme by giving the directives and instructions to staff and students of different departments of the college.
2. To make provision of academic and research set up available in college.
3. To make available the infrastructural and technological facilities for the implementation of the scheme through teaching staff and students of the College.
4. To make provision of financial support for the scheme by arranging collaboration with GramPanchayat, Panchyat Samiti and ZP.
5. To grant financial support for making awareness programmes, conducting surveys, small study and research programmes and evaluation studies of the schemes.
6. To make provision of financial support for conducting various competitions.
7. To provide teaching staff from College for evaluation and monitoring the scheme.
8. To make an arrangement of credit points and some monetary and non-monetary incentive to teachers and students for more efficient and effective implementation of scheme.
9. To establish linkages between Knowledge-College-Village Collaboration Scheme and Unnat Bharat Abhiyan (UBA).
10. To provide legal and statutory status to Knowledge-College-Village Collaboration Scheme in the academic programs of the college.

V. JOINT RESPONSIBILITIES

To implement Knowledge-College-Village Collaboration Scheme efficiently and effectively the adopted villages by the college.



GENERAL TERMS AND CONDITIONS

- 1.1 This MoU will come into effect and shall be valid for a period of 12 months from the date of execution by the parties. The MoU shall stand terminated automatically after



expiry of the 12 months duration unless otherwise terminated earlier by either parties under the terms/ provision(s) of this MoU.

1.2 The parties if so desire to continue the arrangement, may renew the agreement for further period of 12 months by way of a written document on or before the expiry date of this MoU and such renewal shall be valid only if the terms of extension of the MoU for a further period is agreed in writing between the parties and duly stamped and signed by the authorized signatories of both the parties.

1.3 Either party may terminate this MoU at any time in the event of breach of any of terms and conditions contained herein, including but not limited to the breach of Confidential Information (as defined hereinafter), by the other Party of any of its obligations under this MoU, which breach, if capable of cure or remedy, has not been cured or remedied within a period of 30 days from the date of receipt of written notice of such breach or failure by the other.

1.4 This MoU may be terminated unilaterally by giving 30 days' prior written notice by either Party to the other Party at any time during the term of this MoU

Signed on the Day of 24 August, 2023.

Registrar
Gokhale Institute of Politics and
Economics (Deemed University)
Pune. PIN- 411004

Col Kapil Jodh
Registrar
Gokhale Institute of Politics and Economics
(Deemed to be Univ...
846, Shivajinagar, Deccan Gymkhana
Pune - 411 004



Principal
24/08
C. T. Bora College of Arts, Commerce and
Science, Shirur, Tal.- Shirur, Dist.- Pune.
PIN- 412210
Principal
C. T. Bora College
Shirur, (Dist. Pune)

Witnesses:

- 1) Dr. Suraj K. Sawant (Coordinator)
- 2) Dr. Samadhan P. Borse (Dept. of Economics)








महाराष्ट्र MAHARASHTRA

● 2023 ●

61AA 724885

सदरचा मुद्रांक लिक्व अँड लायसन्ससाठी नाही (अनुच्छेद.. ३६क)

शिरूर विक्री र. नं. २०७३५ दि. १ १ SEP 2023

जनरल मॅन्स रकमा रुपये १००

मुद्रांक कोषालया कार्यासाठी वापरण्याचा आहे. ५-५७

मुद्रांक कोषालय अधिनियम १९५८ चे अनुच्छेद क्र.

मुद्रांक कोषालयाचे संपूर्ण नाव प्राथमिक शिक्षण शि.के.सी. मंडळ

पत्ता शिरूर

हस्ताक्षर/सुद्धे अ. नं. ५१५७

उपकोषालय कार्यालय
शिरूर, जि. पुणे

8 SEP 2023



उपकोषालय कार्यालय
शिरूर

Richard

श्री. मुनेश रामगुलाम वमां (मु. शिक्षिता शिरूर)

प.क्र. २२ १२ ००७/परवाना मुद्रांक ३६/३/२०२४

Memorandum of Understanding (MOU)

This Memorandum of Understanding (MOU) is made and executed on 04 October 2023, by and between,

Shirur Shikshan Prasarak Mandal's, Chandmal Tarachand Bora College of Arts, Commerce & Science, Department of English and Research Centre, Shirur, Dist. Pune- 412210, affiliated to Savitribai Phule Pune University (formerly University of Pune): ID No. PU/PN/ASC/019/[1968], (hereinafter referred to as 'C. T. Bora College'), through the Principal, of The First Part;



AND;

Magic Bus India Foundation, a not for profit organization, registered under Section 25 of the erstwhile Companies Act 1956 (CIN No. U91110MH2001NPL130853), having its registered office at Reliable Plaza, Unit No 301, 3rd Floor, Plot No K 10, Kalwa Industrial Area, Village Elthen, Navi Mumbai, Thane Director - W, MH 400708, , hereinafter called as "**Magic Bus** " (Which expression unless be repugnant to the context or meaning there of be deemed to include its executors, administrators and assigns) of the Second Part.

Magic Bus and the College are hereinafter collectively referred to as the *Parties* and individually referred to as the "*Party*".

WHEREAS:

- a) College has been actively engaged in the improvement of education levels of the children and youth belonging to the disadvantage section and other section of the society.
- b) Magic Bus intends to positively impact the underprivileged youth of the country through its educational process. MAGIC BUS FOUNDATION will bring in quality course material and the educational process to the partnership.
- c) Magic Bus has developed a Skill development courses which it delivers to students through its NGO partner centers across India. Magic Bus shall also conduct the training placement to enable the student to put into practice the theory and methods acquired during the course and strengthen their future career prospects
- d) The College and Magic Bus have agreed with the intent to conduct Skill development and training programs developed by Magic Bus Foundation in the college premises for the benefits of the students.
- e) This MOU is intended to serve as a mutual expression of the Parties' intentions with respect to cooperation as provided herein and is not a legally binding contract or commitment in respect of the same. The obligation of Parties to consummate the cooperation contemplated in the MOU is conditional and contingent upon the execution of definitive MOUs, acceptable in form and substance to both Parties. The Parties hereto shall not have any legal obligation with respect to such cooperation unless and until they execute definitive project MOUs for such cooperation.

NOW THIS MOU WITNESSES AS UNDER:



1. NATURE OF WORK

Magic Bus has developed a Skill development short-term courses which it shall deliver to students of the college through its NGO partner centers across India for which the courses shall be conducted by Magic Bus as given in Annexure I.

2. TERM:

This Agreement is valid for **12 Months** starting from **04 October 2023 to 03 October 2024** and can be extended on mutual agreement of both the parties.

3. RESPONSIBILITIES OF THE PARTIES

3.1 The Magic Bus India Foundation undertakes that it shall:

- i) Shortlist the students from the list of candidates as per the eligibility criteria.
- ii) Conduct the training for students as per list of courses in Annexure I.
- iii) Conduct Career Guidance Talk/Change Maker Sessions for students.
- iv) Provide certificate to the students who complete the course successfully.
- v) Conduct a training and conduct a placement drive to strengthen their future career prospects.
- vi) Provide placement assistance to eligible students.
- vii) Provide Job oriented training.
- viii) Provide a training in the college campus of signed party.

3.2 The College undertakes that it shall:

- i) Share candidates' details as per the requirement of the programs to be conducted in the college campus.
- ii) Provide necessary facilities and infrastructure to conduct the skill development and training programs for the objective of the agreement.
- iii) Provide space or classroom and infrastructure for training and placement drives.

4. INTELLECTUAL PROPERTY RIGHTS

All Intellectual Property Rights belonging to a Party prior to signing of this Agreement shall remain vested and remain the property of that Party.

- i) This Agreement does not constitute a trademark or service mark license by either party to other or its Subcontractors.
- ii) College shall not use Magic Bus brand, logo, trademark, service mark or trade name or any intellectual property without Magic Bus prior written consent, the granting of which shall be within Magic Bus absolute and sole discretion and if so granted College will comply with Magic Bus brand guidelines and terms of brand usage. If such written consent is provided, College shall not by virtue thereof,



acquire or obtain or have any rights in Magic Bus trade names, trademarks, logos and/or brands (or any Intellectual Property Rights therein).

- iii) Magic Bus shall not use College brand, logo, trademark, service mark or trade name or any intellectual property without college prior written consent, the granting of which shall be within College absolute and sole discretion and if so granted MBIF will comply with College brand guidelines and terms of brand usage. If such written consent is provided, MBIF shall not by virtue thereof, acquire or obtain or have any rights in College trade names, trademarks, logos and/or brands (or any Intellectual Property Rights therein).

5. CONFIDENTIALITY

Parties shall maintain confidentiality of and shall not disclose any of the terms of this MOU and any other information related to the other Party or its representatives or affiliates, provided by either Party to the other pursuant to this MOU

(Confidential Information), without prior written consent of the other Party, except where any Confidential Information:

- i) is required to be disclosed by law, by order of a court of competent jurisdiction or by any law, rule or regulatory or governmental body having jurisdiction (provided that any Party so required shall if legally permissible and reasonably practicable inform the other Party about disclosure); or
- ii) Where the Confidential Information is in or comes in to the public domain or is generally available to the public, in each case, other than as a result of breach of this MoU.

6. INDEMNITY

Parties shall indemnify, defend, and hold harmless the other party (including its successors, affiliates and assigns) and its respective directors, officers, employees, agents, etc. (the "Indemnified Persons") against any and all loss, expenses, costs, third party claims, damages, liabilities or fees (including legal fees and expenses) that the Indemnified Persons may suffer arising out of breach of any of the terms contained in this MoU.

7. NOTICE

Any notice or other communication to be given under this MoU must be in writing (which includes fax or email, but not any other form of Electronic Communication) and must be delivered by hand or sent by post or courier or fax or email to the Party to whom it is to be given at its address appearing in this MoU as follows:

- (a) Shirur Shikshan Prasarak Mandal's, Chandmal Tarachand Bora College of Arts, Commerce & Science

Address: Shirur Shikshan Prasarak Mandal's, Chandmal Tarachand Bora



College of Arts, Commerce & Science, Shirur, (Ghodnadi), Dist.Pune- 412210

E-mail: ctborainfo68@gmail.com

(b) Magic Bus India Foundation at:

Address: 3rd Floor, Relable Plaza,Thane Belapur Road, Airoli, Navi Mumbai, Maharashtra 400708.

E-mail: jyoti.waghchaure@magicbusindia.org

suyash.mehendale@magicbusindia.org

or at any such other address or fax number of which it shall have given notice for this purpose to the other Party or Parties (as may be relevant) under this Clause. Any notice or other communication sent by post shall be sent by prepaid registered post and any notice sent by fax must be followed up by delivery through courier.

8. NOTICE OF TERMINATION OF MOU

- i) Either Party by giving one month's notice in writing to the Other Party may terminate this MOU before its expiry.
- ii) Both Parties shall also have the right to terminate the MOU without prior notice if
 - a) there occurs a breach of any terms of this MOU which remains uncured for a period of fifteen (15) days after being notified in writing to the other Party;
 - b) Either Party commits any act or omission which harms the reputation of the other party
 - c) Either party acts in a manner prejudicial to the interest of the other and affected party shall be the sole judge in these regards.
Upon termination, college shall forthwith return, without any delay, all unutilized courseware to MAGIC BUS, without claiming any right whatsoever on the same.
- iii) Expiry or termination of this MOU howsoever occasioned shall be without prejudice to rights and obligations occurred or incurred prior to the date of expiry or termination and accounts between the parties shall be promptly settled.

9. DISPUTE RESOLUTION.

- i) In the event of any unresolved dispute or difference of any nature whatsoever between the Parties arise out of this MOU, it will be referred to single arbitrator, to be appointed by both Parties and the decision thereof shall be final and binding upon the Parties. The arbitration proceedings shall be conducted in Marathi and English language and in accordance with the provisions of the Arbitration and Conciliation Act, 1996, and enactments / modifications, if any, thereof.
- ii) Governing Laws and Jurisdiction. This MOU shall be governed and construed in accordance with the Indian laws and subject to the exclusive jurisdiction of competent courts at Pune.



10. **MISCELLANEOUS**

i) **Costs**

Each Party shall be responsible for bearing its own costs and expenses incurred in connection with the transactions contemplated herein.

ii) **Binding**

This MoU shall constitute a binding agreement amongst the Parties and enforceable in accordance with its terms.

iii) **Amendments**

No modification or amendment of this MoU and no waiver of any of the terms or conditions hereof shall be valid or binding unless made in writing and duly executed by all the Parties.

iv) **Relationship**

None of the provisions of this MoU shall be deemed to constitute a partnership between the Parties and no Party shall have any authority to bind the other Party otherwise than under this MoU or shall be deemed to be their agent in any way.

v) **Compliance with Applicable Law**

Each Party hereby undertakes and agrees that it shall comply with Applicable Law in relation to the transactions contemplated under this MoU.

vi) **Entire MOU.**

This MOU supersedes all earlier MOUs, arrangements, letters correspondence, understandings etc. with respect to the subject matter of this MOU. Any modification, amendment or alteration in respect of this MOU or any provision hereof shall not be valid or effective unless the same is/are reduced in writing and signed by the Parties hereto.

vii) **Severance.**


If any of the provisions of this MOU is held to be not valid, remaining provisions shall however be valid and binding on both the parties.

viii) **Authorization**

The persons, signing this MoU on behalf of the Parties, represent and covenant that they have the authority to so sign and execute this document on behalf of the Parties for whom they are signing.

IN WITNESS WHEREOF the Parties have by duly authorized representatives **Shirur Shikshan Prasarak Mandal's, Chandmal Tarachand Bora College of Arts, Commerce & Science, Shirur**, their respective hands and seal on the date first above written in the presence of:




Dr. K. C. Mohite
Principal

For and on behalf of
C. T. BORA COLLEGE, SHIRUR,
DIST. PUNE

(FIRST PARTY)
Principal

Chandmal Tarachand Bora College
of Arts, Commerce and Science
Shirur - Ghodnadi, District - Pune



Mrs. Jyoti Waghchaure
Program Manager – CWW


For and on behalf of
MAGIC BUS FOUNDATION
(SECOND PARTY)

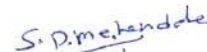


Witnesses:


1. Dr. Brijesh Tambe
(Head, Department of English)


1. Mr. Aqueeb Antule
(Trainer cum Counselor)


2. Dr. Samadhan Borse
(Coordinator, Placement Cell)


2. Mr. Suyash Mehendale
(Sr. Livelihood Officer -Mobilisation)

Annexure I

MAGIC BUS FOUNDATION APPROVED COURSES TO BE RUN AT Shirur Shikshan Prasarak Mandal's, Chandmal Tarachand Bora College of Arts, Commerce & Science, Department of English and Research Centre, Shirur

Skill-based job-oriented training for 24 hours. (CWW)

Job-oriented training includes job readiness, workplace English, effective communication skills, interview preparation, grooming, and confidence building.



भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

₹. 100



सत्यमेव जयते

ONE
HUNDRED RUPEES

भारत INDIA
INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA

● 2023 ●

61AA 943225

अनुक्रमांक 3825 दि. 5 OCT 2023 रुपये 900/-
मुद्रांक कोषाखत्या कार्यालयानी कार्यालय आहे. प्रतिशा 143 -
मुद्रांक मुद्रांक अतिरिक्त आहे. मा. प्राचार्यसि.ली.बोरा कॉलेज
मुद्रांक शिरूर
रुप्यां शिरूर
रुपे साधिल दत्ताभय कलमकर
मुद्रांक भारतसाठी शिरूर
किंवा मधिन रत्. नं. २२१२०१२, कार्यालयानी पु. नं. ३६/२/२०२४
हसो व्यक्तीची सही पत्ता - तळेगांव रामढेरे, ता. शिरूर, जि. पुणे
Shirur

पुणे न्यायिक न्यायिक
शिरूर
- 4 OCT 2023
उपकोषाखत्या कार्यालय
शिरूर

Memorandum of Understanding for Collaboration

[2023-2028]

Between

S.S.P. Mandal's

**Chandmal Tarachand Bora College of Arts, Commerce and
Science, Shirur, Dist-Pune.**

And

**Malaganga Andh Apang Seva Sanstha, New Vision's College,
At Post- Takali Haji, Tal- Shirur, Dist - Pune- 412218**





Memorandum of Understanding for Collaboration

1. AGREEMENT

This agreement made and entered into on 30/09/2023 between **Chandmal Tarachand Bora College of Arts, Commerce and Science, Shirur, Maharashtra** which is run by Shirur Shikshan Prasarak Mandal, Shirur, Dist: Pune.

And

Malaganga Andh Apang Seva Sanstha, New Vision's College, At Post-Takali Haji, Tal- Shirur, Dist – Pune. Pincode -412218

2. BACKGROUND

- 2.1. **Chandmal Tarachand Bora College of Arts, Commerce and Science, Shirur** established in 1968 is one of the leading colleges in rural area affiliated to S. P. Pune University, Pune., (herein after called CTBC which expression shall where the context so admits includes it's successor and permitted assigns) of the other part.
- 2.2. **Malganga Andha Apanga Seva Sanstha At- Takali Haji, Shirur, Pune 412 218** is registered under the Bombay Public Trust Act bearing Registered Number F-21279. This was established in 21st July 2005 by the great visionary and social worker and blind women Mrs./Smt. JAIE UATTAM KHAMKAR The main objective of the trust is to upliftment of disabled, self-employed as well as to run the various programs/activities for the Visually Impaired and Differently abled students. The trust has established College Namely New Vision Arts Commerce College at Takali Haji from June 2018 which is affiliated to Savitribai Phule Pune University, Pune and Approved by Government of Maharashtra.
- 2.3. Whereas the CTBC has the supporting facilities, human resources in terms of faculties and students desirous of undertaking teaching, research, development, and extension programs in the disciplines of Arts, Commerce, Science, Computer Science, B.B.A., B.B.A.(C.A.) and B.Voc. It is desirous of undertaking collaborative work with New Vision's College, and also provides facilities and resources for educational training.
- 2.4. Whereas New Vision's College, has the expertise in the field of Visually Impaired and Differently abled students laboratories, training , library and hostel.
- 2.5. As per the discussion between authorities of both institutes it was decided to have MoU as a tool to facilitate joint efforts to achieve objectives of mutual interests of New Vision's College and CTBC.

Now therefore in consideration of premises and mutual covenant share in after content, the New Vision's College and CTBC hereby agree as follows:

3. SCOPE OF THE AGREEMENT

- 3.1. CTBC and New Vision's College may offer opportunities for students and faculties for activities and programs, such as guest lecture, training of students, and visits that will foster collaborative relationship.
- 3.2. Specific Activities: Specific activities and programs implemented under the authority of this MoU and as decided from time to time on the topics of mutual interest of various departments of CTBC and New Vision's College shall be subject to availability of funds and the approval of each institution's authorized representatives. The institutions contemplate implementation of programs or activities such as:
 - (a) To create awareness regarding employment opportunities in various fields available for specially abled students.



- (b) To organize skill based courses for specially abled students.
- (c) Exchange of expertise, graduate students for lectures & discussions.
- (d) To organize Special short- term training programs and Internships for students.
- (e) Joint educational and training activities among the CTBC students.
- (f) To inculcate values, compassion and empathy towards specially abled community.

4. TERMS AND CONDITIONS

- 4.1. The New Vision's College and CTBC will provide the laboratory expertise for the conduct of undergraduate (UG) training work necessary to enhance skills.
- 4.2. The New Vision's College will not have any financial liability towards the provision of fellowship/scholarship to the students.
- 4.3. The period of work and number of students per discipline shall be decided mutually by CTBC and New Vision's College.
- 4.4. The President of New Vision's College and the Principal of CTBC will settle any differences/policy issues arising out of implementation of this agreement after mutual consultation. Their decision will be final.
- 4.5. The said MoU will be for five years from the date of signing which shall be terminated with mutual consent as per the terms and conditions given in Section No.'9'.

5. RESPONSIBILITIES OF NEW VISION'S COLLEGE AND CTBC

- 5.1. New Vision's College and CTBC shall ensure access to the facilities to be used for project activities to concerned students without restrictions on time wherever necessary.
- 5.2. The access to the lab facilities wherever necessary may be facilitated by TEMPORARY ENTRY CARDS that can be used throughout the project period.
- 5.3. New Vision's College and CTBC shall undertake the work on the collaborative training as per schedule of work mutually agreed by the parties.
- 5.4. CTBC & New Vision's College shall provide all the basic facilities, to each other for fulfillment of the training under the agreement.

6. CONFIDENTIALITY

Information as may be vital to the interest of the Institutes/ICAR, or security/defense of the country is not parted with any other party.

7. FINANCIAL AGREEMENT

As a general principle, funding for the exchange of such personnel shall be based on a reciprocal sharing of costs

- 7.1 Travelling, accommodation and daily expenses of the participating students/faculties required for visit/meetings under this agreement will be borne by the respective institutes as per the prevailing rules and regulations, if such meetings are not sponsored by third party funding agencies.
- 7.2 Each institute will provide assistance and/or the necessary letters of invitation.

8. MODALITES OF COLLABORTION

New Vision's College and the CTBC shall jointly identify centers / locations for carrying out trials/ studies/activities of any products emerging from collaborative project and draw up protocols for such trials/studies/activities. The New Vision's College and CTBC shall undertake/assist/co- operate with each other to carry out trials/ studies/ activities as per the protocols drawn up.

9 EFFECTIVE DATE, DURATION, TERMINATION OF THE AGREEMENT

- 9.1 The agreement shall be effective from the date of signing and shall recur in force for a period of 5 years from said date.
- 9.2 The agreement shall be deemed to expire on completion of the period as in provision unless extended by both the parties.
- 9.3 During the tenure of the agreement parties here to can terminate the agreement either for breach of any of the terms and conditions of this agreement or otherwise by giving a **Three months'** notice in writing to the defaulting party, failure of either party to terminate the agreement on account of breach or default by the other shall not constitute a waiver of that party's right to terminate this agreement.
- 9.4 In the event of termination of the agreement the right and the obligations of the parties there to shall be settled by mutual discussion.

10 AMENDMENT OF THE AGREEMENT

- 10.1 No amendment or modification of this agreement shall be made unless the same is made in writing by both the parties and their authorized representatives and specifically stating the same to be an amendment of this agreement. The modification/ changes shall be effective from the date on which they are made / executed, unless otherwise agreed to
- 10.2 The right and /or liabilities arising to any party to this agreement shall not be assigned except with the written consent of the party and subject to such terms and conditions as may be mutually agreed upon.

11 USE OF NAME

The parties agree not to use each other's names in any advertising or other form of publicity without the prior written consent of that party. However, the parties agree in advance that each may use the name of the other in announcing this MoU.

12. ADDRESS FOR THE NOTICES

1. Malaganga Andh Apang Seva Sanstha,
New Vision's College
At Post- Takali Haji, Tal- Shirur,
Dist.: Pune, Pin: 412 218, Maharashtra, India
Office: 9881186033 / 7273991011
Email: m.aa342007@gmail.com
2. Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora College, Shirur (CTBC)
Tal- Shirur, Dist. Pune, Pin: -412210,
Maharashtra, India.
Office: 02138-222301
E-Mail: ctborainfo68@gmail.com



13. SEAL OF PARTIES

In witness whereas of the parties here to have signed this agreement on the day, month and year mentioned here in before.

PARTIES

For and on behalf of New Vision's College

For and on behalf of CTBC

Signature:




Mr. Jaic Uttam Khamkar
Founder / President
New Vision's College, Takali Haji

अध्यक्ष

मळगंगा अंध, अपंग सेवा संस्था
मु.पो.टाकळीहाजी, ता. शिरूर, जि.पुणे

Witness:

1. 
Ashish A. Kolase
- 2.



Signature:



Dr. K.C. Mohite 30/9
Principal
C. T. Bora College, Shirur
Principal
Charanlal Tarachand Bora College
of Arts, Commerce and Science
Shirur - Ghodnadi, District - Pune

1. Dr. D.H. Bobade

2. Prof.K.R.Taksale



महाराष्ट्र MAHARASHTRA

2023

61AA 724884

सदरना मुद्रांक निव्व अन्त लायसन्ससाठी नाही (अनुच्छेद..३६क)

शिक्षण विभागाचे सं. २००३५ दि. 11 SEP 2023

जनरल स्टॅम्प रकम रुपये १००

मुद्रांक योजनेचा वापरसाठी वापरकर्त्याचा आहे. ५५५

मुद्रांक योजनेचा अंतिम दिनांक ३१/०८/२०२३ चे अन्तर्गत आहे.

मुद्रांक योजनेचा वापर पुण्येश डी. के. सि. मोहिते

पत्ता शिक्षण

हस्त/सुब: ३१/०९/२०२३



श्री. मुकेश मंगुलाल वामा (मुद्रांक विक्रेता शिरूर)
प.क्र. २२ १२ ००७/परवाना मुद्रांक ३१/३/२०२३

Signature

Place: Wai

Date: 13th Sept. 2023

Memorandum of Understanding for Collaboration

[2023-2028]

Between

Perfect Electronics, Wai, Dist.- Satara, MH.

And

Department of Physics

Chandmal Tarachand Bora College, Shirur, Dist.- Pune, MH.

Memorandum of Understanding for Collaboration

1. AGREEMENT

1.1. This agreement made and entered into on 13/09/2023 between Perfect Electronics, having its registered office at Wai, Dist. Satara, MH.

and

1.2. Department of Physics, Chandmal Tarachand Bora College, Shirur, Pune, MH, established on **June, 1968** by Shirur Shikshan Prasarak Mandal, Shirur is one of the leading colleges in rural area affiliated to Savitribai Phule Pune University, Pune., (herein after called CTBC, which expression shall where the context so admits includes it's successor and permitted assigns) of the other part.

2. BACKGROUND

2.1. Whereas the CTBC has the supporting facilities, human resources in terms of faculties and students desirous of undertaking teaching, research, development, and extension programmes in the disciplines of Physics is desirous of undertaking collaborative work with Perfect Electronics and provide facilities and resources for industrial training.

2.2. Whereas Perfect Electronics has the expertise in the Electronics Parts and devices in the field of laboratories and automation.

2.3. Faculties from CTBC and engineers from Perfect Electronics had meetings to discuss the common collaborative work to benefit the students and society complementing each other's work. Consequently, it was decided to have MoU as a tool to facilitate joint efforts to achieve objectives of mutual interests of Perfect Electronics and CTBC.

2.4. Now therefore in consideration of premises and mutual covenant share in after content, the Perfect Electronics and CTBC hereby agree as follows:

3. SCOPE OF THE AGREEMENT

3.1. CTBC and Perfect Electronics may offer opportunities to each other for activities and programs, such as guest lecture, training of students, and industrial visits that will foster collaborative relationship.

3.2. Specific Activities: Specific activities and programs implemented under the authority of this MoU and as decided from time to time on the topics of mutual interest of Department of Physics of CTBC and Perfect Electronics shall be subject to availability of funds and the approval of each institution's authorized representatives. The institutions contemplate implementation of programs or activities such as:

(a) Joint educational and training activities.

(b) Exchange of expertise, graduate, postgraduate students for lectures and discussions.

(c) Exchange of academic materials and other information.

(d) Special short- term training programs.

(e) Industrial visits for students.

4. STUDENTS TRAINING

- 4.1. The Perfect Electronics and CTBC will provide the laboratory expertise for the conduct of undergraduate (UG), postgraduate (PG) training work necessary to enhance skills.
- 4.2. The Perfect Electronics will not have any financial liability towards the provision of fellowship/scholarship to the students.
- 4.3. The period of work and number of students per discipline shall be decided mutually by CTBC and Perfect Electronics.
- 4.4. The CEO of Perfect Electronics and the Principal of CTBC will settle any differences/policy issues arising out of implementation of this agreement after mutual consultation. Their decision will be final.

5. RESPONSIBILITIES OF PERFECT ELECTRONICS AND CTBC

- 5.1. Perfect Electronics and CTBC shall ensure access to the facilities to be used for project activities to concerned students without restrictions on time wherever necessary.
- 5.2. The access to the lab facilities wherever necessary may be facilitated by TEMPORARY ENTRY CARDS that can be used throughout the project period.
- 5.3. Perfect Electronics and CTBC shall undertake the work on the collaborative training as per schedule of work mutually agreed by the parties.
- 5.4. CTBC & Perfect Electronics shall provide all the basic facilities, to each other for fulfillment of the training under the agreement.

6. CONFIDENTIALITY

Information as may be vital to the interest of the Institutes/ICAR, or security/defense of the country is not parted with any other party.

7. FINANCIAL AGREEMENT

As a general principle, funding for the exchange of such personnel shall be based on a reciprocal sharing of costs:

- 7.1. Travelling, accommodation and daily expenses of the participating students/faculties required for visit/meetings under this agreement will be borne by the respective institutes as per the prevailing rules and regulations, if such meetings are not sponsored by third party funding agencies.
- 7.2. Each institute will provide assistance and/or the necessary letters of invitation.

8. MODALITES OF COLLABORTION

Perfect Electronics and the CTBC shall jointly identify centers / locations for carrying out trials/ studies/activities of any products emerging from collaborative project and draw up protocols for such trials/studies/activities. The Perfect Electronics and CTBC shall undertake/assist/co- operate with each other to carry out trials/ studies/ activities as

per the protocols drawn up.

9. EFFECTIVE DATE, DURATION, TERMINATION OF THE AGREEMENT

- 9.1. The agreement shall be effective from the (date of signing/specify events) and shall recur in force for a period of 5 years from said date.
- 9.2. The agreement shall be deemed to expire on completion of the period as in provision unless extended by both the parties.
- 9.3. During the tenure of the agreement parties here to can terminate the agreement either for breach of any of the terms and conditions of this agreement or otherwise by giving a (Three months) notice in writing to the defaulting party, failure of either party to terminate the agreement on account of breach or default by the other shall not constitute a waiver of that party's right to terminate this agreement.
- 9.4. In the event of termination of the agreement the right and the obligations of the parties there to shall be settled by mutual discussion.

10. AMENDMENT OF THE AGREEMENT

- 10.1. No amendment or modification of this agreement shall be made unless the same is made in writing by both the parties and their authorized representatives and specifically stating the same to be an amendment of this agreement. The modification/ changes shall be effective from the date on which they are made/ executed, unless otherwise agreed to assignment of the agreement.
- 10.2. The right and /or liabilities arising to any party to this agreement shall not be assigned except with the written consent of the party and subject to such terms and conditions as may be mutually agreed upon.

11. USE OF NAME

The parties agree not to use each other's names in any advertising or other form of publicity without the prior written consent of that party. However, the parties agree in advance that each may use the name of the other in announcing this MoU.

12. ADDRESS FOR THE NOTICES

(A) Perfect Electronics,

Dattanagar, Galli No. 4, Plot No. 77,
Behind ST stand,
Wai, Dist.- Satara - 412803, MH, India.
Email: perfectelectronics2019@gmail.com

(B) Shirur Shikshan Prasarak Mandal's

Chandmal Tarachand Bora College (CTBC), Shirur, Dist.-Pune

Tal- Shirur
Dist.:Pune - 412210 MH, India.
Office: 02138-222301
Email: ctborainfo68@gmail.com

13. SEAL OF PARTIES

In witness whereas of the parties here to have signed this agreement on the day, month and year mentioned here in before.

PARTIES

For and on behalf of
Perfect Electronics

For and on behalf of CTBC

Signature:



Dr. R. V. Dhekale
CEO

Perfect Electronics,
Wai

Mob: 9822241255



Witness:

1. Mr. P. A. Pise 

2.

Signature:



Dr. K. C. Mohite 13/09

Principal and Head

Department of Physics

Chandmal Tarachand Bora College, Shirur

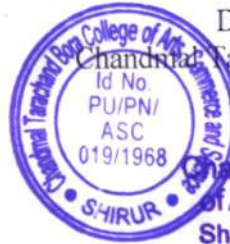
Mob: 9890094577

Principal

Chandmal Tarachand Bora College

of Arts, Commerce and Science

Shirur - Ghodnadi, District - Pune



1. Dr. P. S. Virkar 

2. Dr. D. H. Bobade 





महाराष्ट्र MAHARASHTRA

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अनुक्रमांक २४५३ दिनांक ५/१०/२०२३
जासल स्टॉप रक्कम रुपये १००
मुद्रांक कोणाच्या कारणासाठी वापरण्यात आले. उपस्थित
मुद्रांक अक्षिपत्रिक, १९५८ चे अनुक्रमेण क.
मुद्रांक वापरणाऱ्याचे संपूर्ण नाव प्रभास शिरोबोरा कॉलेज
संपूर्ण पत्ता शिरोबोरा
हस्त लेखणीचे संपूर्ण नाव/संख्या सागर अकादमी
संपूर्ण पत्ता शिरोबोरा
मुद्रांक धारकाची
व्यक्तीची सही

सही, श्री. सुभासक अकरभयर्षी गंधोली (मुद्रांक विक्रेता)
प. क्र. १२१२००४ परतान्वाची मुद्रांक / /
पत्ता - दुय्यम निबंधक, शिरूर अक्षिपत्रिक आवारा



Memorandum of Understanding

Between

Shirur Shikshan Prasalak Mandal's Chandmal Tarachand
Bora College of Arts, Commerce & Science, Shirur Ghodnadi
412210,
And
The Bahá'í Academy (A Recognized Institution of Shivaji
University), Panchgani, Dist. Satara, Maharashtra

In Relation to the
Programme "Education in Universal Human Values"

AA

This Memorandum of Understanding is made this Friday 13th October of 2023 Year between Shirur Shikshan Prasalak Mandal's Chandmal Tarachand Bora College of Arts, Commerce & Science, Shirur Ghodnadi 412210, affiliated to Savitribai Phule Pune University, Pune : ID No. PU/PN/ASC/019/[1968], (hereinafter referred to as 'C.T.Bora College'), through the Principal, of the One Part.; Represented by its Director of the other Part.

WHEREAS Chandmal Tarachand Bora College of Arts, Commerce & Science, Shirur Ghodnadi, affiliated to a Savitribai Phule Pune University is a leading educational institution offering Undergraduate and Postgraduate courses in different facilities like Arts, Commerce, Science, Mental Moral and Social Sciences apart from being a Ph.D. Research Centre in English, Hindi, Marathi, History, Chemistry, Physics and Botany. The college offers 50 courses in different subjects and is also a study centre of Yashvantrao Chavan Maharashtra Open University (YCMOU).

And

The Bahá'í Academy, Panchgani, Dist. Satara, Maharashtra (A Recognized Institution of Shivaji University, Kolhapur, A++ Accredited by NAAC, 2021, With CGP 3.52), with Respect to the collaborative activities mentioned here under:

Preamble:

Chandmal Tarachand Bora College of Arts, Commerce & Science, Shirur Ghodnadi and the Bahá'í Academy, Panchgani, recognizing the strengths and achievements of the College in offering opportunities for higher education to hundreds of deserving students from Shirur taluka and surrounding area and beyond; and recognizing its high aspirations and commitment to educating future generations to be ethical professionals, creative and informed citizens with strong moral capabilities for personal development and contributing to unity, prosperity and social progress;

And bearing in mind that the Bahá'í Academy, a Recognized Institution of Shivaji University, Kolhapur, is an institution engaged in research and action in the field of value education for institutions of higher learning and its commitment to the above aspirations by providing a programme of international standard on "Education in Universal Human Values" which includes a number of courses for faculty members, administrative/non-teaching staff members, U.G. and P.G. students, as well as research and extension activities; and noting the recognition that the Bahá'í Academy has achieved in providing this programme to institutions of higher learning in Maharashtra and other states, a programme that is universally relevant, with secular modules, prepared by well-qualified national and international educationists and trainers;

And acknowledging that the benefits, to all the stakeholders, of the Programme of Education in Universal Human Values include such **benefits to the students** as developing core values (such as justice, liberty, equality, fraternity, human dignity and the unity and integrity of the Nation, uprightness, truthfulness and honesty) and attitudes (such as integrity, self-discipline, willingness to learn, flexibility, goal-oriented mindset), employability skills (including attitudinal and affective abilities; team work and decision making) and enhancing communication abilities (such as team discussion, making presentations, consultation, and clear thinking), becoming joyful learners with moral capabilities, leadership abilities and enhanced self-confidence, forming a global perspective and world-view, developing their vision and purpose in life, and serving communities; and In short, they become leaders, but leaders of a new kind; And **benefits to the teachers** include boosting their professional growth through grooming their capabilities to meet the growing challenges of their professional and social mission, redefining their relationship with students, improving their participatory teaching skills and cooperative/experiential learning competence, overhauling their personalities and working out fresh value-based attitudes towards their institution and co-workers; And **benefits to the College** include training teachers in cooperative and participatory learning and becoming mentors for the modules of Education in Universal Human Values, implementing meaningful Service Learning Activities/ Extension Projects by the students in the College neighborhood and target communities, promoting quality education by meeting some important criteria set by NAAC promoting unity of vision and thought among students and staff who begin changing their attitudes towards their responsibilities, enhancing leadership capabilities within the institution to fulfill its vision and mission and implementing innovative community projects.

x

x

And the tentative annual action plan for the period of this MoU includes the following:

1. **Implementing the following Courses Related Activities for Students:**

Name of the Courses for U.G. Students:

1. A 4-Credit Online Optional Course on "Fostering Personal Development and Social Progress" approved by Savitribai Phule Pune University, Pune for UG students of all faculties. (See the attachment)
2. A 4-Credit Online Course on "Abilities, Skills and Healthy Attitudes: Professional and Moral Development for P.G. Students"
3. Leadership for Change: Certificate Course

2. **Workshops for Faculty Members:**

- a. Faculty Development Programme on Education in Universal Human Values (3-7 days)

Establishment of a Cell for Universal Human Values: The College will establish a Cell to initiate, coordinate, evaluate and improve implementation of the above-mentioned courses and related activities in the College

Therefore, the **Chandmal Tarachand Bora College of Arts, Commerce & Science, Shirur Ghodnadi AND The Bahá'í Academy, Panchgani**, enter into this MoU which will remain valid for an initial period of **Five YEARS from the date of signing the MoU**. If in any year the above-mentioned activities are not held, this MoU will be considered as cancelled.

Terms and Commitments:

The Bahá'í Academy has developed modules and courses as described above, focusing on Universal Human Values, life skills and abilities, healthy attitudes, and leadership capabilities. These modules draw on universal principles, cooperative and experiential learning, educational activities and games, personal and people skills and reflection upon current problems and challenges facing India and the world, including the problems faced by the young generation of university and college students. Hence personal development, family environment, career and professional development, and service to society are the contexts within which the development of human values and soft skills are addressed.

1. **Commitment of the Bahá'í Academy, Panchgani, Dist. Satara:**

a) **Courses that are carried out online:**

- 4-Credit Online Course on Fostering Personal Development and Social Progress: Students pay a fee of Rs. 500/- towards the Course for the academic year 2023-24. Out of this 30% will be sent by the Bahá'í Academy to Savitribai Phule Pune university, Pune. Students will receive their login details from the Bahá'í Academy to access the LMS.
- The Coordination of the Course at the college level and the internal assessment will be done by the College as per a rubric to be provided by the Academy. The Bahá'í Academy will pay 20% of the Course fees (i.e.Rs.100/- per student) to the College.

b) **4-Credit Online Course on "Abilities, Skills and Healthy Attitudes: Professional and Moral Development for P.G. Students"**

- 4-Credit Online Course on "Abilities, Skills and Healthy Attitudes: Professional and Moral Development for P.G. Students. Students pay a fee of Rs. 750/- towards the Course for the

academic year 2023-24. Students will receive their login details from the Bahá'í Academy to access the LMS.

- The Coordination of the Course at the college level and the internal assessment will be done by the College as per a rubric to be provided by the Academy. The Bahá'í Academy will pay 20% of the Course fees (i.e. Rs. 150/- per student) to the College.

2. Commitment of Chandmal Tarachand Bora College of Arts, Commerce & Science, Shirur Ghodnadi

- i- The College will form a "Cell for Universal Human Values" at the College. The cell will be composed of a core group of teachers from among the mentors trained by the Bahá'í Academy, and a representative of the Bahá'í Academy.
- ii- The College in consultation with the Bahá'í Academy decide the number of students and teachers per year who should join the courses under this MoU.
- iii- The College will ensure that the students' fees for the courses they take will be paid to the Academy at the time of the registration of the students for each course. The minimum number of students required to start a course will be informed by the Baha'i Academy.
- iv- The College will ensure that adequate publicity is given to the courses among the students through various means.
- v- The College will provide a slot of 3-4 hours in its weekly timetable (for about 10 weeks in one or two semesters) and/or a few days campaign in its annual calendar for implementing contact sessions and service-learning activities
- vi- The College nominates a capable and interested member of the Cell for Universal Human Values to be the Programme Coordinator at the College and to be the liaison with the Academy.

3. Shared Responsibilities:

- i. Both parties to this Agreement undertake to promote its terms, and implement the same in good faith and in a spirit of mutual co-operation.
- ii. Either or both the parties may propose changes to the implementation strategies, bearing in mind the feedback from mentors and course participants. If these changes are accepted by both parties as adding value to the courses, both organizations will continue to present the courses as joint awards.
- iii. Subject to any financial constraints and any such arrangements as may be necessary to safeguard the confidentiality of any information or documents, the parties agree to provide each other with such documents, information or materials as may be necessary for any activity to be carried out under this Agreement.
- iv. Quality control is the shared responsibility of both the parties, each one in its own sphere of activities and responsibilities.
- v. Both the parties share the right of accepting into the course or dismissing students who desire to join the course.

4. Final Provisions:

- i. The terms of this Agreement may be amended in writing with the written consent of both organizations. The organizations undertake to resolve in good faith any concerns or questions which may arise regarding the terms and implementation of this Agreement.
- ii. Either organization may terminate this MoU by giving three months prior notice in writing to the other party, which shall not however affect any legal rights or obligations which may have been created under this MoU.
- iii. This MoU shall also stand terminated for any reason such as legal processes, Acts of the State or similar such exigencies beyond the normal control of the parties concerned and which disable any of the parties hereto from functioning further.

x

x

5. Arbitration:

Any dispute arising between the parties in relation to or in connection with this MOU shall be resolved by mutual negotiations.

I. Dated, this the 13th day of July, month of 2023 year
For and behalf of Shirur Shikshan Prasarak Mandal's Chandmal Tarachand Bora College of Arts, Commerce & Science, Shirur Ghodnadi 412210

Dr. K. C. Mohite
Principal



Signature: *K. Mohite* 13/10/2023
Ph.: 02138-222301

email: *ctborainto68@gmail.com*

II. Dated, this the 30th day of July, month of 2023 year
For Bahá'í Academy, Panchgani, Dist. Satara

Dr. L. Azadi, Director



Signature: *[Signature]*
Ph.: 02168-240100/240461

Seal of the Bahá'í Academy
Address: Bahá'í Academy, Shivajinagar
Panchgani 412805,
Dist. Satara, Maharashtra

email :director@bahaiacademy.org

III. Witnesses:

1. Name, designation and address:
Gadekar K.P.
Signature: *[Signature]*
Asst. Prof.
C.T. Bora College, Shirur

3. Name, designation, address:
Parag Tondale, Bahai Academy
Programme Co-ordinator
Signature: *[Signature]*

2. Name, designation, address.
Signature: *[Signature]*
D. H. B. Bode
ASST. PROF.

4. Name, designation, address:
Rama Sonant, Bahai Academy
Dy. Director
Signature: *[Signature]*



महाराष्ट्र MAHARASHTRA

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उपकोषागार कार्यालय
शिरूर, जि. पुणे
04 AUG 2023
उपकोषागार अधिकारी
शिरूर

दस्तावेजाचा प्रकार/अनुच्छेद क्रमांक : प्रतिज्ञापत्र
दस्त नोंदणी करणार आहे का? होय / नाही
नोंदणी होणार असल्यास दुय्यम निबंधक कार्यालयाचे नाव : शिरूर
मिळकतीचे वर्णन :
माबदला रक्कम :
मुद्रांक विकत घेणाऱ्याचे नाव व पत्ता : प्राचार्य के.सी. मोहिते
दस्तावेजाचा प्रकार/अनुच्छेद क्रमांक : शि. शिरूर
हस्ताक्षर करणाराचे नाव व पत्ता : सचिन कदमकर
मुद्रांक शुल्क रक्कम : 900/-
मूद्रांक विकत घेतवही अनुक्रमांक : 2202 दि. 25/11/2023
मुद्रांक विकत घेणाऱ्याची मही.
घावामा धातूक मुद्रांक विकत घेणाऱ्याचे नाव :
सहो न पत्रांक : 20220001
मूद्रांक विकत घेणाऱ्याचे ठिकाण/पत्ता :

श्री. सचिन कदमकर
नहरीना, पुणे, आंध्र, जि.
ता. 27/08/2023

[Handwritten signature]

Memorandum of Understanding for Collaboration

[2023-2028]

Between

Vigyan Ashram, A Center of Indian Institute of Education, Pabal, Tah: Shirur, Dist: Pune

And

Department of Physics

Chandmal Tarachand Bora College, Shirur Dist: Pune



Memorandum of Understanding for Collaboration

1. AGREEMENT

This agreement made and entered into on Date. 27/08/2023 between Vigyan Ashram, A Center of Indian Institute of Education, Pabal, Tah: Shirur, Dist: Pune, having its registered office at Pabal,

and

Department of Physics, Chandmal Tarachand Bora College, Shirur, Maharashtra which is run by Shirur Shikshan Prasarak Mandal, Shirur, Dist: Pune. Chandmal Tarachand Bora College established in 1968 is one of the leading colleges in rural area affiliated to S. P. Pune University, Pune., (herein after called CTBC which expression shall where the context so admits includes it's successor and permitted assigns) of the other part.

2. BACKGROUND

- 2.1. Whereas the CTBC has the supporting facilities, human resources in terms of faculties and students desirous of undertaking teaching, research, development, and extension programmes in the disciplines of Physics is desirous of undertaking collaborative work with Vigyan Ashram, A Center of Indian Institute of Education and provide facilities and resources for educational training.
- 2.2. Whereas Vigyan Ashram, A Center of Indian Institute of Education has the expertise in the field, laboratories, and training.
- 2.3. Faculties from CTBC and from Vigyan Ashram had meetings to discuss the common collaborative work to benefit the students and society complementing each other's work. Consequently, it was decided to have MoU as a tool to facilitate joint efforts to achieve objectives of mutual interests of Vigyan Ashram and CTBC. Now therefore in consideration of premises and mutual covenant share in after content, the Vigyan Ashram and CTBC hereby agree as follows:

3. SCOPE OF THE AGREEMENT

- 3.1. CTBC and Vigyan Ashram may offer opportunities for students and faculties for activities and programs, such as guest lecture, training of students, and visits that will foster collaborative relationship.
- 3.2. Specific Activities: Specific activities and programs implemented under the authority of this MoU and as decided from time to time on the topics of mutual interest of Department of Physics of CTBC and Vigyan Ashram shall be subject to availability of funds and the approval of each institution's authorized representatives. The institutions contemplate implementation of programs or activities such as:
 - (a) joint educational and training activities.
 - (b) exchange of expertise, graduate, postgraduate students for lectures and discussions.
 - (c) exchange of academic materials and other information.
 - (d) special short- term training programs and entranships .
 - (e) Educational visits for students.



4. STUDENTS TRAINING

- 4.1. The Vigyan Ashram and CTBC will provide the laboratory expertise for the conduct of undergraduate (UG), postgraduate (PG) training work necessary to enhance skills.
- 4.2. The Vigyan Ashram will not have any financial liability towards the provision of fellowship/scholarship to the students.
- 4.3. The period of work and number of students per discipline shall be decided mutually by CTBC and Vigyan Ashram.
- 4.4. The Executive Director of Vigyan Ashram and the Principal of CTBC will settle any differences/policy issues arising out of implementation of this agreement after mutual consultation. Their decision will be final.

5. RESPONSIBILITIES OF VIGYAN ASHRAM AND CTBC

- 5.1. Vigyan Ashram and CTBC shall ensure access to the facilities to be used for project activities to concerned students without restrictions on time wherever necessary.
- 5.2. The access to the lab facilities wherever necessary may be facilitated by TEMPORARY ENTRY CARDS that can be used throughout the project period.
- 5.3. Vigyan Ashram and CTBC shall undertake the work on the collaborative training as per schedule of work mutually agreed by the parties.
- 5.4. CTBC & Vigyan Ashram shall provide all the basic facilities, to each other for fulfillment of the training under the agreement.

6. CONFIDENTIALITY

Information as may be vital to the interest of the Institutes/ICAR, or security/defense of the country is not parted with any other party.

7. FINANCIAL AGREEMENT

As a general principle, funding for the exchange of such personnel shall be based on a reciprocal sharing of costs

- 7.1 Travelling, accommodation and daily expenses of the participating students/faculties required for visit/meetings under this agreement will be borne by the respective institutes as per the prevailing rules and regulations, if such meetings are not sponsored by third party funding agencies.
- 7.2 Each institute will provide assistance and/or the necessary letters of invitation.

8. MODALITES OF COLLABORTION

Vigyan Ashram and the CTBC shall jointly identify centers / locations for carrying out trials/ studies/activities of any products emerging from collaborative project and draw up protocols for such trials/studies/activities. The Vigyan Ashram and CTBC shall undertake/assist/co- operate with each other to carry out trials/ studies/ activities as per the protocols drawn up.



9 EFFECTIVE DATE, DURATION, TERMINATION OF THE AGREEMENT

- 9.1 The agreement shall be effective from the (date of signing/specify events) and shall recur in force for a period of 5 years from said date.
- 9.2 The agreement shall be deemed to expire on completion of the period as in provision unless extended by both the parties.
- 9.3 During the tenure of the agreement parties here to can terminate the agreement either for breach of any of the terms and conditions of this agreement or, otherwise by giving a (**Three months**) notice in writing to the defaulting party, failure of either party to terminate the agreement on account of breach or default by the other shall not constitute a waiver of that party's right to terminate this agreement.
- 9.4 In the event of termination of the agreement the right and the obligations of the parties there to shall be settled by mutual discussion.

10 AMENDMENT OF THE AGREEMENT

- 10.1 No amendment or modification of this agreement shall be made unless the same is made in writing by both the parties and their authorized representatives and specifically stating the same to be an amendment of this agreement. The modification/ changes shall be effective from the date on which they are made / executed, unless otherwise agreed to ASSIGNMENT OF THE AGREEMENT.
- 10.2 The right and /or liabilities arising to any party to this agreement shall not be assigned except with the written consent of the party and subject to such terms and conditions as may be mutually agreed upon.

11 USE OF NAME

The parties agree not to use each other's names in any advertising or other form of publicity without the prior written consent of that party. However, the parties agree in advance that each may use the name of the other in announcing this MoU.

12. ADDRESS FOR THE NOTICES

1. Vigyan Ashram
A Center of Indian Institute of Education
At/po: Pabal, Tal: Shirur , Dist: Pune,
Pin: 412403, Maharashtra.
Email: vapabal@gmail.com

2. Shirur Shikshan Prasarak Mandal's
Chandmal Tarachand Bora
College, Shirur(CTBC), Tal- Shirur,
Dist.:Pune, (MH), India -412210
E-Mail: ctborainfo68@gmail.com

13. SEAL OF PARTIES

In witness whereas of the parties here to have signed this agreement on the day, month and year mentioned here in before.




PARTIES

For and on behalf of Vigyan Ashram


For and on behalf of CTBC

Signature:



Signature:



Dr. Yogesh Kulkarni
Executive Director
Vigyan Ashram,
Pabal




Dr. K.C. Mohite
Principal and Head
Department of Physics
C. T. Bora College, Shirur
Principal
C. T Bora College
Shirur, (Dist. Pune)

Witness:

1. Shanbhag R.J. 
2. Jagtap R.K. 

1. Dr. Bobade D.H. 

2. Dr. P.S. Virkar - 
27-8-2023