



JSPM GROUP OF INSTITUTE, PUNE
SHRI BHAGWANT EDUCATION & RESEARCH CHARITABLE TRUST'S
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.

(Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated to DBATU Lonere, MSBTE)
Gat.No.1242/01, Tadsoudane Road, Barshi, 413401. Mob.No.:9049076781/9049086781|
Visit: www.bitbarshi.edu.in | Email: bitbarshi6781@gmail.com



Prof. Dr. T. J. Sawant
President

Ref. No.: SBERCT/BIT/NAAC/2023-24/Cr.-07/7.2.1

Date: 20/12/2024

To,
The Coordinator,
NAAC, Bengaluru.

Subject: Best practices successfully implemented by the Institution

Reference: 7.2.1 Best practices successfully implemented by the Institution

Dear Sir/Madam,

Following best practices conducted in the institute

- 1) **Title of the Best Practice:** Employability enhancement through industry Internship and Trainings
- 2) **Title of the Best Practice:** Product Design and Development Practices for Enhancing Students' Interdisciplinary Skills

The detailed documents are available at following link:

https://bitbarshi.edu.in/iqac/ay_23-24/criterion7/7.2.1.pdf

Enclosures:

1. Reports of the activities conducted in the institutes.




PRINCIPAL
Principal
Bhagwant Institute of Technology
Barshi.



JSPM GROUP OF INSTITUTE, PUNE
SHRI BHAGWANT EDUCATION & RESEARCH CHARITABLE TRUST'S
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.

(Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated to DBATU Lonere, MSBTE)

Gat.No.1242/01, Tadsoudane Road, Barshi, 413401. Mob.No.:9049076781/9049086781|

Visit: www.bitbarshi.edu.in | Email: bitbarshi6781@gmail.com

Prof. Dr. T. J. Sawant

President



7.2 Best Practices

7.2.1 Following best practices conducted in the institute

1. **Title of the Best Practice:** Employability enhancement through industry Internship and Trainings
2. **Title of the Best Practice:** Product Design and Development Practices for Enhancing Students' Interdisciplinary Skills

Best Practice 1: Industry Internship and Trainings

1. The Context:

The institute has designed industry internship and training programs. These programs cover aptitude tests, group discussions, interviews, and presentation skills. Students are encouraged to take assessments provided by MNC and other than MNCs campus connects platforms and similar sources.

The department coordinators, evaluates student performance. This assessment helps departments identify each student's strengths and weaknesses and provides tailored strategies for improvement.

Aptitude training typically begins in the sixth semester for all students. Senior students offer guidance to their juniors on aptitude preparation and resume building. Additionally, professional training institutes deliver ongoing instruction in areas such as aptitude, programming, language skills, and soft skills to ensure comprehensive preparation for placements.

2. Objectives of the Practice

- To develop industry-relevant skills.
- To bridge the gap between theory and practice.
- To improve employability and job readiness.
- To promote professional growth and development.
- To strengthen industry-academia linkages.
- To enhance problem-solving and critical thinking skills.
- To promote career exploration and planning.
- To support entrepreneurship and innovation.




Principal
Bhagwant Institute of Techno.
Barshi.

3. The Practice:

The institute support and create career opportunities for engineering graduates. To facilitate training and internships for students, the institute has established Memorandum of Understanding (MOUs) with reputed organizations and industries. First year onwards, it offers a range of training programs for all enrolled students, including induction programs and seminars. Specialized faculty oversees these training activities.

Language Training details:

Table 1. Language Training Details

Sr. No	Year	Python
1	2023-24	150

Pre-final year students are assessed based on comprehensive data collected from their departments. Institute also collaborate with external agencies to offer training tailored to specific company requirements, including mock interviews and assessments conducted by these agencies.

Institute is proud to support students by facilitating valuable internship opportunities that align with their academic pursuits. By offering these internships, Institute aim to bridge the gap between theoretical knowledge and practical application, empowering students to gain hands-on experience in their chosen fields. This initiative enhances students learning journey and provides a platform to develop essential professional skills, build a robust network, and gain insights into industry practices. Institute encourages all students to take full advantage of these internships, as they are a vital step towards a successful career and a chance to make a tangible impact in your area of study.

4. Evidences of Success

Table 2. No. of students registered for internship

Sr. No	Academic Year	Students Placed Through Internship
1	2023-24	15

Top Recruiters and Record-Breaking Numbers:

- Delivered one of the best and highest numbers for TCS and Capgemini in the Pune region.
- Highest package close to 7 LPA.

Internship Excellence:

- 400+ internships*.
- Stipend - 1 lac 68 thousand.




Principal
Bhagwant Institute of Technology
Barshi.

Mentor of the student internship performance




Principal
Bhagwant Institute of Technology
Barshi.

5. Problem encountered and resources required

- **Poor Communication Skill:** Most of the students belong to rural background creating a challenge of communicating in English language. Institute offers English language course to improve the communication skills and also arranges group discussions to improve their leadership skills.
- **Performance Assessment:** Evaluating a student's internship performance can be challenging because they are fully immersed in their internship activities. Mentor of the student from institute evaluate internship performance along with industry mentor.
- **Integration into Company Culture:** Interns may struggle to adapt to the workplace culture, which can affect their ability to collaborate effectively with colleagues and fully engage in the learning experience. To adopt the industry culture Institute motivate the students to do short term internship (15 days to 1 month) during their summer and winter vacations.

6. Conclusion:

Industry internships and training programs significantly enhance employability by providing students with practical experience and exposure to real-world challenges. These opportunities foster essential skills, such as teamwork, communication, and technical proficiency. Networking with industry professionals helps students build valuable connections that can lead to job opportunities. Additionally, internships allow students to apply theoretical knowledge in practical settings, making them more competitive in the job market. Overall, such experiences bridge the gap between education and employment, preparing students for successful careers.




Principal
Bhagwant Institute of Technology
Barshi.

JSPM'S Bhagwant Institute of Technology, Barshi.

SBERCT/BIT/2023-24/Training/02

DATE-15/01/2024

NOTICE

All the students of S.E. & T.E. Engineering who had enrolled for Core Python Training are hereby informed that, Training will start at from 16/01/2024 at sharp 10 a.m. So all enrolled students of S.E. & T.E. are instructed to attend training without fail. Attendance is compulsory.

Python Training Schedule:

Date : 16th January 2024

Venue : Conference Hall CSE Department


15/01/24
T.P.O.


15/01
Principal
Principal
Bhagwant Institute of Technology
Barshi.





JSPM Group of Institutes, Pune
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI
(Approved by AICTE, New Delhi, Govt. of Maharashtra,
Affiliated to DBATU)

Gat no. 1242/01, Tadsoundane Road, Barshi 413401

Email: bitbarshi6781@gmail.com



Website: www.bitbarshi.edu.in

Date: 16/01/2024

Add on Course

Name of program	Python training/Workshop
Date:	16 Jan 2024 To 07 Feb 2024
Venue/address	Conference hall Inauguration and CC Lab
Guest /Trainer	Shreevidya infotechnologies, Daffrin Chow, Near Kala Maruti Mandir, Solpaur, Dist: Solpaur
Audience	All Students of E&TC and CSE department

Aim: To organize python workshop add on course.

Objectives of program: Python is an in-demand, accessible programming language with an active, ever-growing community of users. For anyone looking to switch careers into the tech world through coding, Python is a great place to start. It's relatively easy to learn and incredibly versatile, and it's used in a variety of fields, from data science and machine learning to game design. The students are beginner or they have learned a couple of programming languages, so you will likely agree that learning a new programming language can be challenging. Even more so when you don't have the right resources and guidance. But with the right help, you can make it an enjoyable experience. This is made possible with the right help through Nisha Mam and Siddharth Sir from Shreevidya infotechnologies at Solapur. Students gain real-time work environment experience under the guidelines and teaching skills.

The inauguration of the soft skill witnessed the presence of **Mr. Ruturaj Sawant** Director, **Shri Mundhe V.K. Vice Principal**, BIT Barshi, along with the faculty and staff members of Department.

With an increasing professional environment, technical skills have become a high-demand necessity in every organization. Recruiters search for best technical knowledge while interviewing them for a role. It is always essential to technical skills. Because of this students make an amazing salary and enjoy a secure future, global job market by achieving such skills while learning. They will help you accomplish goals, take you forward in your profession, and land you a fundamental leadership role in management.

Participants:

The Second and Third year students of E&TC and CSE department actively participated in the session.

Conclusion:

The students of E&TC and CSE department have participated and successfully completed add-on course.



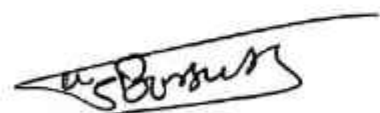
Activity report on

Industry Oriented Python Workshop

Name of activity: Python Workshop
Session Date and Day: 16-01-2024 to 07-02-2024
Time: 10.00 AM to 4.00 PM
Total No. of participants: 163 96
Venue: CC Lab
Trainers : Mrs. Nisha Deshmukh
Mr. Siddharth Gojul
Who have attended: SY & TY(All Branch) Students.

Training & Placement Cell has organized a Technical event called "**Industry Oriented Python Workshop**" from 16 Jan 2024 to 07 Feb 2024 at **CC Lab**. This training is in collaboration with **ShreeVidya InfoTechnologies Solapur**. The event aimed to provide a platform for coding enthusiasts to showcase their technical skills and innovation. The event commenced at 10.00 AM with a warm welcome to all the participants. The organizers emphasized the importance of Python language and innovation in today's technology-driven world. The event was open to registered students and participants were encouraged to bring their passion and creativity.

The participants had to rely solely on their coding knowledge and problem-solving abilities to complete the given coding tasks. This event tested their ability to visualize and think through code implementation. The participants showed great enthusiasm and competitiveness throughout the event. All students are going with day to day practical labs and they can perform with live scenarios. Their dedication and passion for coding were evident as they tackled the challenges with determination. Participants had hands on industry oriented projects which give them a strong coding and operational knowledge. The atmosphere was filled with excitement and a sense of camaraderie among the participants at the conclusion of the event, all participants were presented with hardcopy participation certificates as a token of appreciation for their active involvement. The winners of each event were awarded certificates of Excellence, recognizing their exceptional performance and skills.



Training & Placement Officer



Principal

Bhagwant Institute of Technology
Barshi.

JSPM's
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.
DEPARTMENT OF COMPUTER ENGINEERING
ACADEMIC YEAR 2023-24

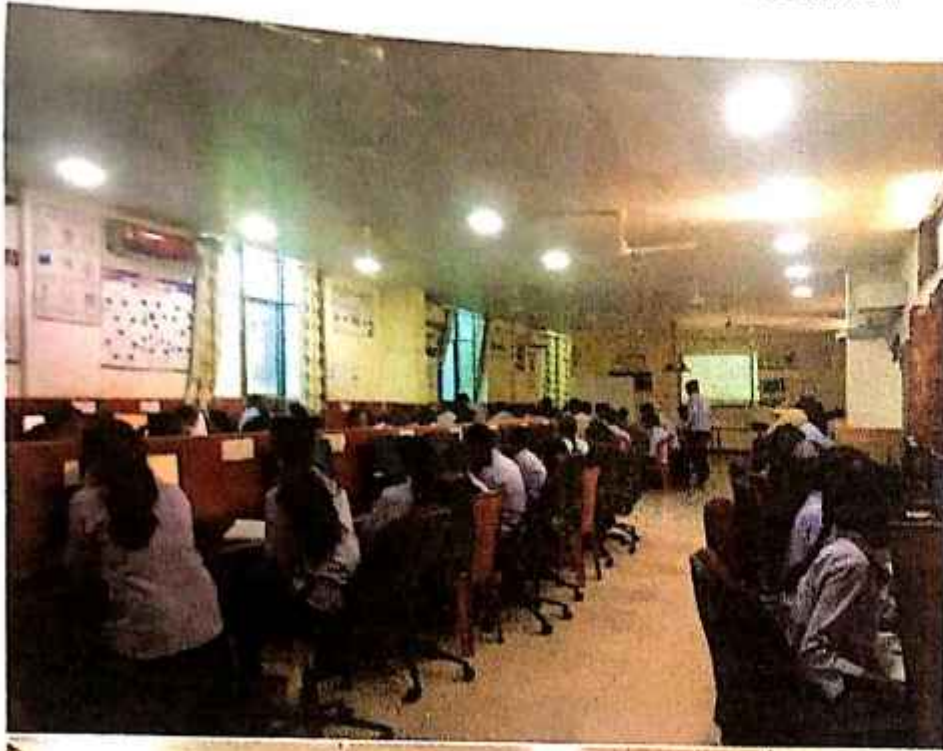


Latitude: 18.263781
Longitude: 75.6959
Elevation: 270.25±14 m
Accuracy: 0.3 m
Time: 16-01-2024 11:28
Note: Python Workshop




Principal
Bhagwant Institute of Technology,
Barshi.

JSPM's
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.
DEPARTMENT OF COMPUTER ENGINEERING
ACADEMIC YEAR 2023-24




Principal
Bhagwant Institute of Technology
Barshi.



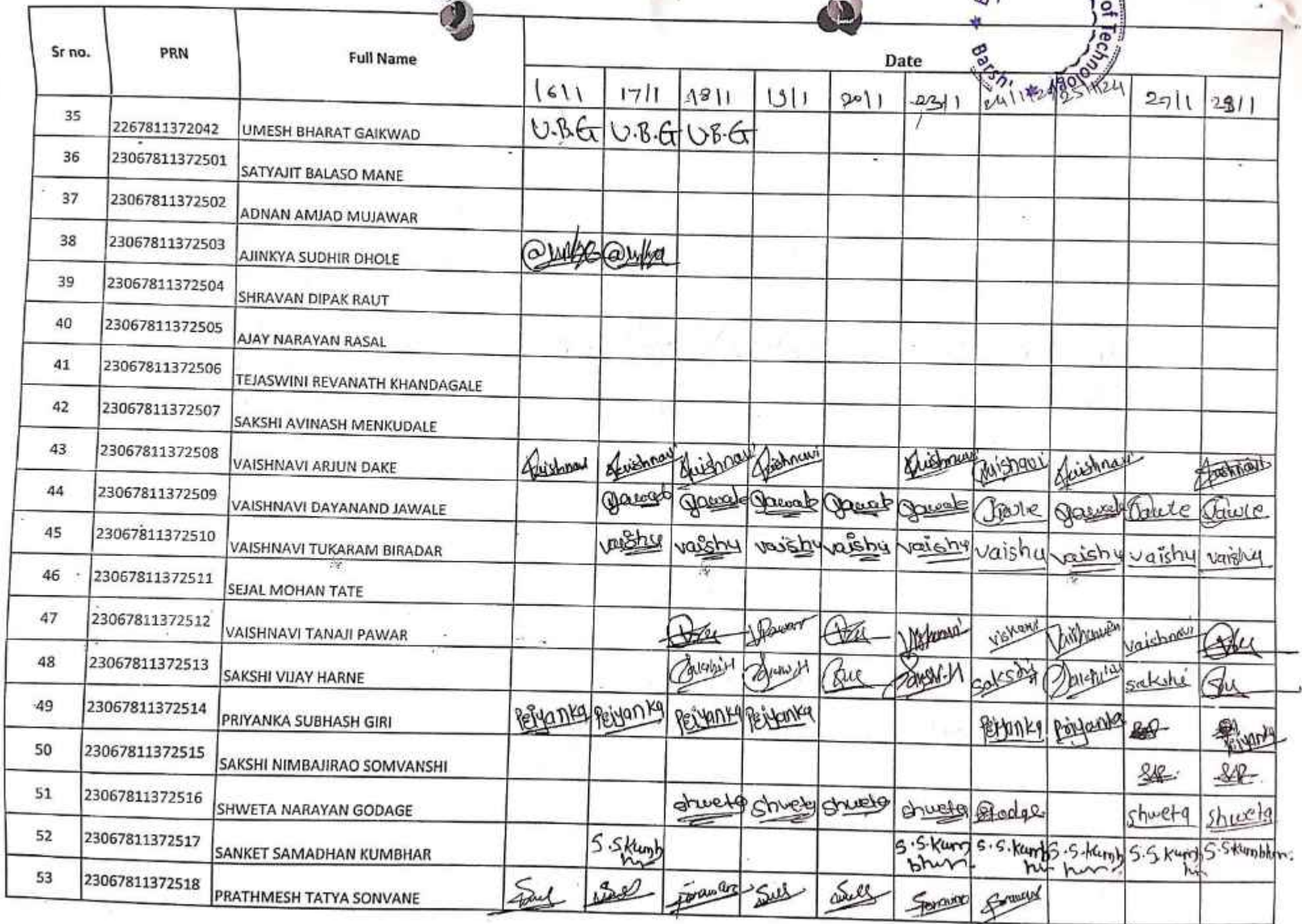
Class: SY BTech E&TC

STUDENT ATTENDANCE FOR "CORE PYTHON TRAINING"

AC. YR. 2023-24

Sr no.	PRN	Full Name	Date
1	2267811372001	ALIYA JAFAR DAMTE	16/1/24 Aliya
2	2267811372003	PALLAVI PANDURANG BAGAL	17/1/24 Pallavi
3	2267811372004	PRATIKSHA BHAUSAHEB JADHAV	18/1/24 Pratiksha
4	2267811372005	SANTOSHI MACHCHHINDRA RAUT	19/1/24 Santoshi
5	2267811372006	TEJASHREE DATTATRAYA NIMBAKAR	20/1/24 Tejashree
6	2267811372007	BHIMRAJ SURESH SAWAISARJE	21/1/24 Bhimraj
7	2267811372009	SHAMBHU VITTHAL VYAVAWARE	22/1/24 Shambhu
8	2267811372010	TOHID TAYYAB PATHAN	23/1/24 Tohid
9	2267811372012	MIRAN RAMJAN MULLA	24/1/24 Miran
10	2267811372013	TOUFIK FIROJ SHAIKH	25-1-24 Toufik
11	2267811372015	AJAY YASHWANT BANSODE	27/1/24 Ajay
12	2267811372016	GAURI AMOL PATIL	29/1/24 Gauri
13	2267811372017	RITUJA BHAUSAHEB KAKADE	
14	2267811372018	GAYATRI SANJAY HONMANE	
15	2267811372019	AFTAB SATTA TAMBOLE	

Sr no.	PRN	Full Name	Date
16	2267811372020	RAJVARDHAN DILIP JAGTAP	17/11
17	2267811372022	GANESH VIJAY GUDEKAR	20/11
18	2267811372023	AKASH NAVNATH-RITUND	27/11
19	2267811372025	KRUSHNA KALIDAS GOSAVI	29/11
20	2267811372026	NILESH MAHADEV DEVKATE	
21	2267811372027	VIRENDRA UTTRESHWAR HAJARE	
22	2267811372028	PRATHAMESH TANAJI LONDHE	
23	2267811372029	SAKSHI DADASAHEB HORE	
24	2267811372030	REHAN RIYAJ MOMIN	
25	2267811372031	PRATIK VITTHAL CHOUDHARI	
26	2267811372032	VAISHNAVI PARBATRAO CHAVAN	
27	2267811372033	SHITAL DATTATRAY CHAVAN	
28	2267811372034	TANISHKA SACHIN GADHAVE	
29	2267811372035	NIKITA HANUMANT WAGHMODE	
30	2267811372036	SHREYA DHANRAJ MORE	
31	2267811372037	PRANAV SACHIN UPADHYE	
32	2267811372038	AJINKYA RAOSAHEB JADHAV	
33	2267811372039	AVINASH VIKAS ROKADE	
34	2267811372040	SAURABH SATISH THORAT	



Sr no.	PRN	Full Name	Date									
			16/1	17/1	18/1	19/1	20/1	23/1	24/1	25/1	27/1	29/1
54	23067811372519	DINESH DHANARAJ JADHAV										
55	23067811372520	KIRTI ACHYUT RONGE										
56	23067811372521	SHITAL SURESH PISE				Shital	Shital	Shital	Shital	Shital		
57	23067811372522	DNYANESHWARI BALU BHORE	D.B.Bhore	D.B.Bhore	D.B.Bhore	D.B.Bhore	D.B.Bhore	D.B.Bhore	D.B.Bhore	D.B.Bhore	D.B.Bhore	D.B.Bhore
58	23067811372523	ASMITA DILIP ZAMBARE										
59	23067811372524	SHWETA SATISH LONDHE										
60	23067811372525	DIPTI SURYAKANT GAPAT										
61	23067811372526	ANKITA GOVIND PATWARI	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita
62	23067811372527	SHIVANI ARUNBHAI MYAKAM										
63	23067811372528	GULAMEGOUS SAJID NAIKWADI										

Khalil
TPC

Shymil
HOD

C.S. Borsale
TPO

Principal
PRINCIPAL





JSPM Group of Institutes, Pune

SBERCT'S

BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI

(Approved by AICTE, New Delhi, Govt. of Maharashtra, Affiliated to DBATU Lonere)

Gate no. 1242/01, Tadoundane Road, Barshi 413401

Email: bitbarshi6781@gmail.com

Website: www.bitbarshi.org

**"STUDENT ATTENDANCE FOR "CORE PYTHON TRAINING"**

Class: TY BTech E&TC

AC. YR. 2023-24

Sr. No.	PRN No	Name of students	Date									
			29/1/24	30/1/24	31/01/24	4/02/24	21/02/24	3/2/24	5/2/24	6/2/24	Aft Ornce	7/2/24
1	2167811372002	KARKAR SIDDHI PARMOD				<u>Siddhi</u>	<u>Siddhi</u>		<u>Siddhi</u>			
2	2167811372004	RUSHIKESH ABHIMANYU SHELKE										
3	2167811372005	DOIPHODE GOPAL BHAGWAT										
4	2167811372006	PATIL SHRUTIKA SHRINIVAS										
5	2167811372007	KOKATE PRASAD DEVIDAS		<u>Prasade</u>	<u>Prasade</u>		<u>Prasade</u>	<u>Prasade</u>	<u>Prasade</u>	<u>Prasade</u>	<u>Prasade</u>	<u>Prasade</u>
6	2167811372008	JADHAVAR PRADIP BALAJI										
7	2267811372501	SHINDE PRAGATI AJINATH										
8	2267811372502	BASADE SHARMINKHATOON SHABBIR										
9	2267811372503	MAGAR ONKAR KHANDU	<u>Onkar</u>	<u>Onkar</u>								
10	2267811372504	PATIL RAHUL RAMESH	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>				<u>Rahul</u>	
11	2267811372505	KAZI SAIFALI NASERALI										
12	2267811372506	SONWANE SANKET SUBHASH	<u>Sanket</u>	<u>Sanket</u>	<u>Sanket</u>		<u>Sanket</u>	<u>Sanket</u>	<u>Sanket</u>			<u>Sanket</u>
13	2267811372507	MIRGANE ONKAR MANOJ		<u>Manoj</u>		<u>Manoj</u>						
14	2267811372508	BOBADE PRASHANT AGATRAO										
15	2267811372509	LANDAGE MONIKA TUKARAM	<u>Landage</u>	<u>Landage</u>	<u>Landage</u>	<u>Landage</u>	<u>Landage</u>					
16	2267811372510	JADHAV GAURI MUKUND					<u>Gadhave</u>					

Class: TY BTech E&TC



YR. 2023-24

Date: 17/07/2024

Sr. No.	PRN No	Name of students										
			16/1	17/1	18/1	19/1	20/1	21/1	23/1	24/1	25/1	27/1
17	2267811372511	KADAM NIKITA DATTATRAY							Radan	Radan	Radan	Radan
18	2267811372514	DHAGE ANKITA RAMHARI									Radan	
19	2267811372515	KALE VIKAS DATTATRAY									Radan	
20	2267811372516	GORE PRANALI PRASHANT									Radan	
21	2267811372517	TABKE ANAND BHAGWAN	Amul	Amul	Amul	Amul		Amul	Amul	Amul		
22	2267811372518	HANDIBAG VAISHNAVI DIGAMBAR									Radan	
23	2267811372519	SUDAKE MAYURI MAHADEV	Amul	Amul	Amul	Amul		Amul	Amul	Amul	Amul	
24	2267811372520	PATIL PRAGATI VIKAS			Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati
25	2267811372521	JAGTAP PRIYA ULHAS										
26	2267811372522	WAGHODE KARAN VIJAY										
27	2267811372523	INGOLE ROHIT GANESH	Amul	Amul	Amul	Amul		Amul	Amul	Amul	Amul	
28	2267811372524	GARAD DISHA RAMCHANDRA		Amul	Amul		Amul	Amul	Amul	Amul	Amul	
29	2267811372525	SATPUTE ROHIT DADASAHEB		Amul	Amul	Amul	Amul	Amul	Amul	Amul	Amul	Amul
30	2267811372526	KASHID ONKAR PARMESHWAR										
31	2267811372527	KOLAGE OMKAR MANOJ										
32	2267811372528	FOKE RAM RAJENDRA										
33	2267811372531	JAGTAP AMAABY PRAMOD										

TPC



HOD

TPD

PRINCIPAL



JSPM Group of Institutes, Pune
SBERCT'S

BHAGWANT INSTITUTE OF TECHNOLOGY, BARSAN
(Approved by AICTE, New Delhi, Category I)

(Approved by AICTE, New Delhi, Govt. of Maharashtra, Affiliated to DBATU Lonere)
Gate no. 1242/01, Tadoundane Road, Barshi 413401
pitbarshi6781@gmail.com

Email: bitbarshi6781@gmail.com

Website: www.bitbarshi.edu.in



Class: TY BTech E&TC

-STUDENT ATTENDANCE FOR "CORE PYTHON TRAINING"

AC. YR. 2023-24

[illegible]



JSPM Group of Institutes, Pune
SBERCT'S

BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI

(Approved by AICTE, New Delhi, Govt. of Maharashtra, Affiliated to DSA, TU Sonere)

Gat no. 1242/01, Tadssoundane Road, Barshi 413401

Email: bitbarshi6781@gmail.com

Website: www.bitbarshi.edu.in



"STUDENT ATTENDANCE FOR "CORE PYTHON TRAINING"

Class: TY BTech E&TC

AC. YR. 2023-24

Sr. No.	PRN No	Name of students	Date									
			29/1/24	30/1/24	31/01/24	4/02/24	21/02/24	3/2/24	5/2/24	6/2/24	Afternoon	11/2/24
1	2167811372002	KARKAR SIDDHI PARMOD				Siddhi	Siddhi		Siddhi			
2	2167811372004	RUSHIKESH ABHIMANYU SHELKE										
3	2167811372005	DOIPHODE GOPAL BHAGWAT										
4	2167811372006	PATIL SHRUTIKA SHRINIVAS										
5	2167811372007	KOKATE PRASAD DEVIDAS		Prasad	Prasad		Prasad	Prasad	Prasad	Prasad	Prasad	Prasad
6	2167811372008	JADHAVAR PRADIP BALAJI										
7	2267811372501	SHINDE PRAGATI AJINATH										
8	2267811372502	BASADE SHARMINKHATOON SHABBIR										
9	2267811372503	MAGAR ONKAR KHANDU	Onkar	Onkar								
10	2267811372504	PATIL RAHUL RAMESH	Rahul	Rahul	Rahul	Rahul	Rahul				Rahul	
11	2267811372505	KAZI SAIFALI NASERALI										
12	2267811372506	SONWANE SANKET SUBHASH	Sanket	Sanket	Sanket		Sanket	Sanket	Sanket			Sanket
13	2267811372507	MIRGANE ONKAR MANOJ		Manoj		Manoj						
14	2267811372508	BOBADE PRASHANT AGATRAO										
15	2267811372509	LANDAGE MONIKA TUKARAM	Landage	Landage	Landage	Landage	Landage					
16	2267811372510	JADHAV GAURI MUKUND					Gauri					

Sr. No.	PRN No	Name of students	Date 17/01/2024									
			16/1	17/1	18/1	19/1	20/1	21/1	23/1	24/1	25/1	27/1
17	2267811372511	KADAM NIKITA DATTATRAY						Radan	Radan	Radan	Radan	
18	2267811372514	DHAGE ANKITA RAMHARI								Radan		
19	2267811372515	KALE VIKAS DATTATRAY								Radan		
20	2267811372516	GORE PRANALI PRASHANT										
21	2267811372517	TABKE ANAND BHAGWAN	Amul	Amul	Amul	Amul		Amul	Amul	Amul		
22	2267811372518	HANDIBAG VAISHNAVI DIGAMBAR								Radan		
23	2267811372519	SUDAKE MAYURI MAHADEV	Mile	Mile	Mile	Mile		Mile	Mile	Mile	Mile	
24	2267811372520	PATIL PRAGATI VIKAS			Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati
25	2267811372521	JAGTAP PRIYA ULHAS										
26	2267811372522	WAGHODE KARAN VIJAY										
27	2267811372523	INGOLE ROHIT GANESH	Amul	Amul	Amul	Amul		Amul	Amul	Amul	Amul	
28	2267811372524	GARAD DISHA RAMCHANDRA		ch. garad	ch. garad		ch. garad	ch. garad		ch. garad		
29	2267811372525	SATPUTE ROHIT DADASAHEB		Amul	Amul	Amul	Amul	Amul	Amul	Amul	Amul	Amul
30	2267811372526	KASHID ONKAR PARMESHWAR										
31	2267811372527	KOLAGE OMKAR MANOJ										
32	2267811372528	FOKE RAM RAJENDRA										
33	2267811372531	JAGTAP AMAEY PRAMOD										

TPC



HOD

TPO

PRINCIPAL

Sr. No.	PRN No	Name of students	Date									
			29/01/2024	30/01/2024	31/01/2024	1/2/24	2/2/2024	3/2/24	4/2/24	5/2/24	6/2/24	7/2/24
17	2267811372511	KADAM NIKITA DATTATRAY				<i>Nadap</i>	<i>Nadap</i>	<i>Nadap</i>	<i>Nadap</i>			
18	2267811372514	DHAGE ANKITA RAMHARI										
19	2267811372515	KALE VIKAS DATTATRAY										
20	2267811372516	GORE PRANALI PRASHANT										
21	2267811372517	TABKE ANAND BHAGWAN	<i>Anand</i>	<i>Anand</i>	<i>Anand</i>	<i>Anand</i>	<i>Anand</i>			<i>Anand</i>		
22	2267811372518	HANDIBAG VAISHNAVI DIGAMBAR										
23	2267811372519	SUDAKE MAYURI MAHADEV	<i>Mike</i>	<i>Mike</i>	<i>Mike</i>	<i>Mike</i>		<i>Mike</i>	<i>Mike</i>			<i>Mike</i>
24	2267811372520	PATIL PRAGATI VIKAS	<i>Pragati</i>	<i>Pragati</i>	<i>Pragati</i>	<i>Pragati</i>	<i>Pragati</i>					
25	2267811372521	JAGTAP PRIYA ULHAS										
26	2267811372522	WAGHODE KARAN VIJAY										
27	2267811372523	INGOLE ROHIT GANESH	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>		<i>Rohit</i>	<i>Rohit</i>		<i>Rohit</i>
28	2267811372524	GARAD DISHA RAMCHANDRA	<i>Dr. Garad</i>	<i>Dr. Garad</i>	<i>Dr. Garad</i>		<i>Dr. Garad</i>					
29	2267811372525	SATPUTE ROHIT DADASAHEB	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>
30	2267811372526	KASHID ONKAR PARMESHWAR										
31	2267811372527	KOLAGE OMKAR MANOJ										
32	2267811372528	FOKE RAM RAJENDRA										
33	2267811372531	JAGTAP ANAWEENAMOD										

TPC

HOD

IPD

PRINCIPAL

Best Practice 2: Product Design and Development

1. The Context:

Product design and development represent critical phases in the creation of products, systems, and solutions that address complex challenges across various industries. These processes are essential in translating theoretical concepts into practical applications, ensuring that innovations are feasible, effective, and aligned with user needs and industry standards.

2. Objectives of the Practice

- To equip students with the ability to identify, analyze, and solve complex engineering problems.
- To encourage students and teams to develop novel solutions to real-world problems.
- To develop students' ability to work effectively in a team.
- To bridge the gap between theoretical knowledge and practical application.
- To ensure students acquire both technical skills in engineering disciplines and soft skills essential for professional success.
- To strengthen the connection between academic learning and industry or community needs.
- To promote research and development activities that contributes to advancements in engineering and technology.

3. The Practice:

Institute is dedicated to fostering a culture of creativity and innovation by offering students unparalleled opportunities in engineering design and innovation. Institute provides a dynamic environment where students can explore cutting-edge technologies, engage in collaborative projects, and push the boundaries of traditional engineering practices. Through hands-on workshops, design challenges, and real-world problem-solving experiences, students are encouraged to transform their ideas into tangible solutions. This commitment to nurturing ingenuity not only enhances academic growth but also prepares students to become leaders in the ever-evolving field of engineering.

The students can choose the problem statement from the following domains from Table 1.

Table 1. Reference Domains for the student to select problem statement

E- Vehicles	Waste Recycling	Defense and Security	Robotics
Smart City	Environment	Healthcare	Woman Safety
Energy Conservation	Clean Water	Food Technology	Agriculture
Transportation	Renewable Energy	Pollution Control	Rural Development

The technology chosen to address the problem is detailed in Table 2.




Principal
Bhagwant Institute of Technology
Barshi.

Table 2. Various Technologies used by student

3D Printing	Data Science	Optimization	IOT
Robotics	MEMS	Artificial Intelligence	Data Analytics
PLC Automation	Machine Learning	Cyber Security	Cloud Computing

Students choose one or more tools from Table 3.

Table 3. Tools Used for PDD

JAVA	C++	Arduino Uno	Auto CAD
Network simulator	Python	CATIA-V5	MATLAB

4. Evidences of Success

The results of the PDD-Best Practice in relation to undergraduate research outcomes indicate that students have successfully done their Mini-projects and Major-projects as illustrated in Tables.

Table 4. No. of Products Designed

Sr. No	Academic Year	Total Product Developed including FY, SY and TY	Major Project B. Tech
I	2023-24	317	107

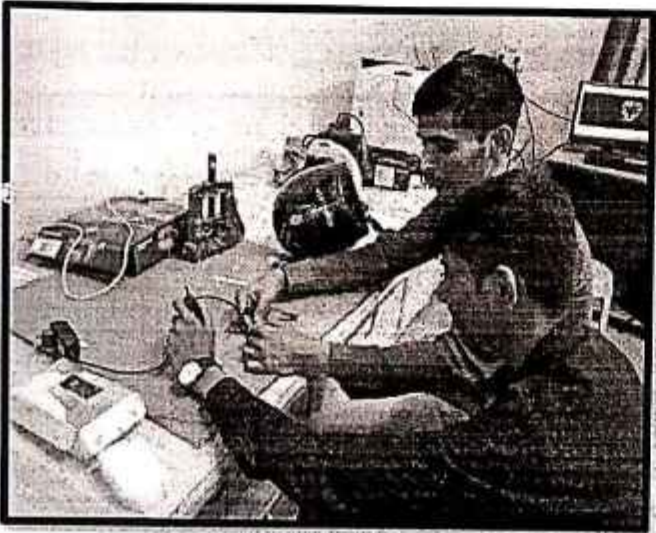
5. Problem encountered and resources required

- **Financial needs to develop product:** For good products, Institute provides financial support.
- **Time Constraints to complete the project:** The concerned labs are open beyond working hours to complete the project work.
- **Mentorship for innovative business model:** Few projects are sponsored and mentored from industry.



PSB
Principal
 Chagwant Institute of Technology

Students work in a team to develop the product



6. Conclusion:

The Product design and development process is a systematic approach that transforms ideas into practical solutions. It emphasizes creativity, problem-solving, and collaboration among diverse teams. Effective communication and iterative testing are crucial for refining designs and ensuring functionality. Ultimately, this process fosters innovation and meets the needs of users and industries. By integrating feedback and adapting to challenges, successful engineering outcomes can be achieved.




Principal
Bhagwant Institute of Technology
Barshi



JSPM GROUP OF INSTITUTE, PUNE
SHRI BHAGWANT EDUCATION & RESEARCH CHARITABLE TRUST'S

BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.

(Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated to DBATU Lonere, MSBTE)

Gat.No.1242/01, Tadsoudane Road, Barshi, 413401. Mob.No.:9049076781/9049086781|

Visit: www.bitbarshi.edu.in | Email: bitbarshi6781@gmail.com

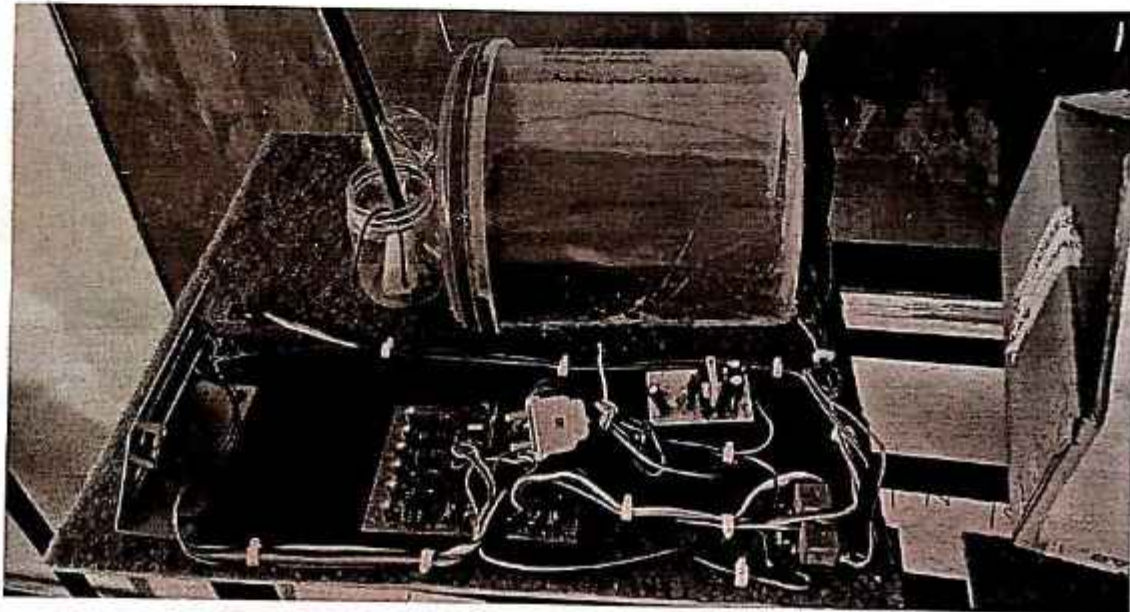
Prof. Dr. T. J. Sawant

President

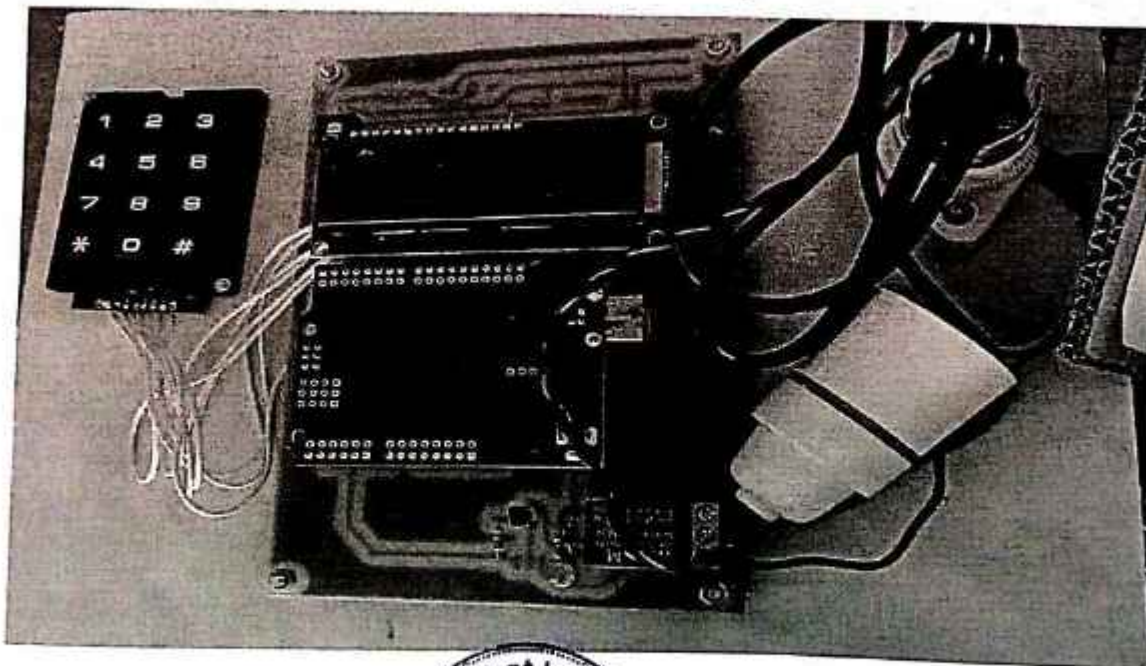


Product development by students

1. Automatic Polyhouse Control system



2. Notice board using GSM



PSB
Principal
Bhagwant Institute of Technology
Barshi.



JSPM GROUP OF INSTITUTE, PUNE
SHRI BHAGWANT EDUCATION & RESEARCH CHARITABLE TRUST'S

BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.

(Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated to DBATU Lonere, MSBTE)

Gat.No.1242/01, Tadsoudane Road, Barshi, 413401. Mob.No.:9049076781/9049086781|

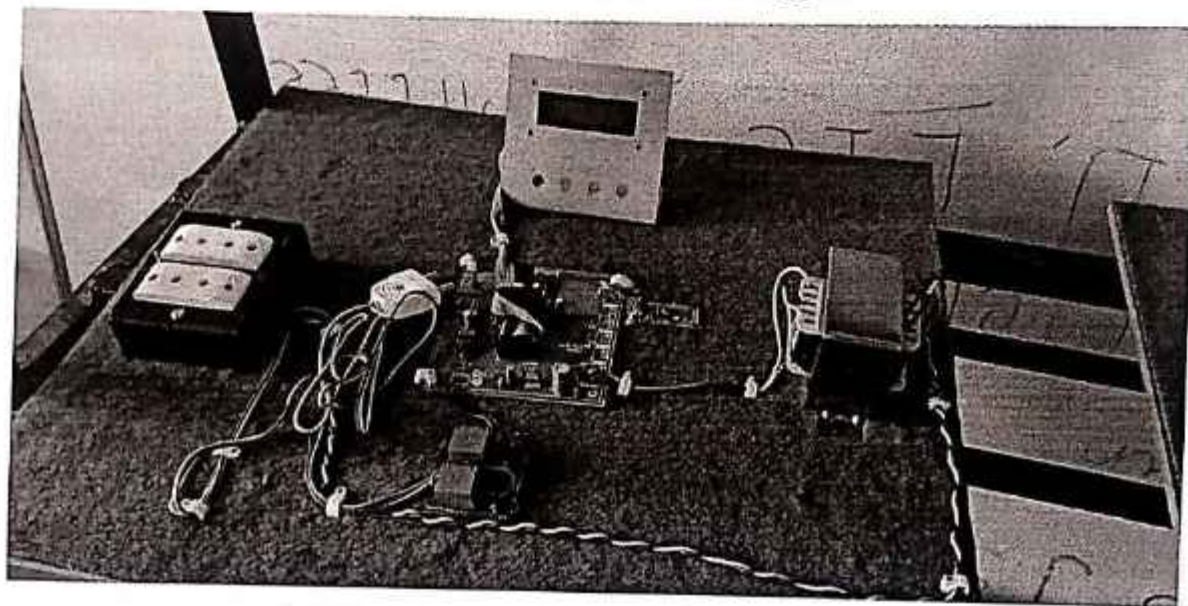
Visit: www.bitbarshi.edu.in | Email: bitbarshi6781@gmail.com

Prof. Dr. T. J. Sawant

President



3. Bluetooth Control Home Appliance



Review given by higher authorities




Principal
Bhagwant Institute of Technology
Barshi.



JSPM GROUP OF INSTITUTE, PUNE

SHRI BHAGWANT EDUCATION & RESEARCH CHARITABLE TRUST'S

BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.

(Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated to DBATU Lonere, MSBTE)

Gat.No.1242/01, Tadsoudane Road, Barshi, 413401. Mob.No.:9049076781/9049086781]

Visit: www.bitbarshi.edu.in | Email: bitbarshi6781@gmail.com

Prof. Dr. T. J. Sawant

President



Group No.	Name Of Student	Title Of Project	Name Of Project Guide
1	Mr.Swapnil Bhimashankar Vibhute Ankit Gopal Gaikwad Mr.Rahul Ashok Kamble	Utilization Of Waste Plastic Materials in Road Construction	Dr. Shiral R. N.
2	Miss.Ruman Riyajahmad Shaikh Miss.Anjali Hanumant Kakade Miss.Nikita Dattatray Pawar	Soil Stabilization Using Plastic Bottle Strips,Lime And Fly Ash	Mr. Nalwade S. S.
3	Jyoti Mohite Rutuja Dhas Vaishnavi Upare Komal Dhage	Partial Replacement Of Cement With Coconut Shell ash and Concrete	Mr. Jawale S. D.
4	Naikwadi Shadab Bhadange Pravin Vikrant Shinde	Safety at construction site safety site	Mr. Sugare D. S.
5	Pawar Priyanka Shivaj More Tantuja Vivekanand Chandane Komal Balu Shinde Pankaj Vitthal	Traffic Control and ATMS	Mr. Kanade S. R.
6	Abhishek Arun Ubale Onkar Vishnu Kangude Rohit Laxman Shendage	Pervious concrete	Mr. Gaikwad S. S.
7	Survase Vaishnavi Suresh Tamboli Shahista Ikbali Nikita Tanaji Varale	Solid waste management at burud galli, Barshi	Mr. Jawale S. D.
8	Godage Onkar Subhash Tekale Ganesh Pandit Manjare Rupesh Vijay Shinde Bharat Arun	Construction of Paver Block using Plastic Waste	Mr. Gaikwad S. S.
9	Dhas Rutuja Arun Upare Vaishnavi Vijay Mohite Jyoti Chandrakant Dhage Komal Bhagwat	Stress Ribbon Bridge	Mr. Jawale S. D.




Principal
Bhagwant Institute of Technology
Barshi.



JSPM GROUP OF INSTITUTE, PUNE

SHRI BHAGWANT EDUCATION & RESEARCH CHARITABLE TRUST'S

BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.

(Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated to DBATU Lonere, MSBTE)

Gat.No.1242/01, Tadsoudane Road, Barshi, 413401. Mob.No.:9049076781/9049086781|

Visit: www.bitbarshi.edu.in | Email: bitbarshi6781@gmail.com

Prof. Dr. T. J. Sawant

President



Group No.	Name Of Student	Title Of Project	Name Of Project Guide
10	Yash Ganpatrao Sakhare Wadkar Shivam Rajendra Sahu Amruta Satyanand	Design of drip irrigation system	Dr. Shiral R. N.
11	Kazi Samiyoddin Salauddin Mahedavi Mustafa Parvez Wagh Aditya Satish	Use of Plastic in Bricks	Mr. Jawale S. D.
12	Barate Pankaj Rameshwar Rajkumar Vishnu Baldota Khisti Satyam Nandkishor	Use of sugar mill waste for manufacturing of Bricks	Mr. Kanade S. R.
13	Shah Rushabh Sunil Bagal Vinit Vijay Sathe Om Shriram	Analysing the geotechnical properties and behaviour of black cotton soil	Mr. Sugare D. S.
14	Kamble Rahul Ashok Gaikwad Ankit Gopal Vibhute Swapnil Bhimashankar	replace bitumen by plastic as road material	Dr. Shiral R. N.
15	Gaware Ashok Yadav Londhe Pradip Mahadeo Panthare Dinesh Shirish	Experimental study of replacement of cement by bagasse ash with steel fibre	Mr. Sugare D. S.


Project Coordinator




HOD


Principal
Bhagwant Institute of Technology
Barshi.

JSPM Group of Institutes, Pune
SBERCT'S
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI
Department of Mechanical Engineering

Project Groups A.Y.2023-24

Class- B.Tech

Sr No	ROLL NO	PRN	Student Name	Group Name	Guide Name
1	9	T2167811612504	AGALAVE AKASH ANKUSH	A	Mr. Burgute G.S.
2	6	T2167811612501	FEJGUDE SHUBHAM RAJESH		
3	30	T2167811612544	BURGUTE DIGVIJAY RAMESH		
4	21	T2167811612527	PAWAR PRADIPKUMAR MADHUKAR		
5	15	T2167811612514	NIKHIL RAMESH PATIL	B	Mr. Patil D.B.
6	13	T2167811612512	GALTE SAHIL UDDHAV		
7	19	T2167811612524	NIKHIL BALASAHEB SATHE		
8	20	T2167811612526	AGALE GANESH SURYAKANT	C	Mr. Gore P.G.
9	22	T2167811612530	SATPUTE KOMAL RAJESH		
10	7	T2167811612502	TELKAR SHILPA JAGDISH		
11	8	T2167811612503	SAMBALE AARTI SANJAY		
12	29	T2167811612542	JADHAV HARSHAVARDHAN J	D	Mr Bhingade A.P.
13	35	T2167811612552	SHINDE AKSHAY BALU		
14	3	T2067811612003	VAJINATH BHIMA KUMBHAR		
15	2	T2067811612002	TEJAS LAXMAN KHARAT		
16	32	T2167811612546	JAGTAP AKASH RAJENDRA	E	Mr. Shinde M.E.
17	4	T2067811612004	SUMIT SUNIL WAYKAR		
18	24	T2167811612536	MEGHRAJ SHRIKANT MANGIRE		
19	31	T2167811612545	VIVEK KUMAR SINGH		
20	11	T2167811612510	SAYYAD WAJID IRSHAD	F	Mr Hidge S.P.
21	12	T2167811612511	KOTKAR AKSHAY BHAGWAN		
22	10	T2167811612508	SARWADE ABHISHEK PANDURANG		
23	27	T2167811612540	SAYYED AHYETESHAM HUSAIN		
24	28	T2167811612541	VIRANJAN BHAGWAN JAGTAP	G	Mr Hware M.A.
25	25	T2167811612537	GADHAVE ASHOK SARJERAO		
26	16	T2167811612515	PATIL ABHISHEK JANAK		
27	33	T2167811612547	GUND RUSHIKESH RAJENDRA	H	Mr. Khot A.A
28	26	T2167811612538	SHUBHAM SOMNATH SHINDE		
29	5	T2067811612005	YASHODHAN SANTOSH KULKARNI		
30	14	T2167811612513	SAYYAD SHAYAD YUSUF	I	Mr. Padwal Y.T.
31	17	T2167811612517	AHIRE SURAJ RAMESH		
32	18	T2167811612522	PATEL RIYAJ AYUB		
33	23	T2167811612534	MASKE PRAVIN YUVRAJ		
34	34	T2167811612550	DORLE RAHUL RAMESH	J	Mr. Hidge S.P.
35	1	2067811612038	LONDHE LAKHAN SUDHIR		


Project Coordinator

Head of Department
Mechanical Engineering (Degree)
Bhagwant Institute of Technology, Barshi.




Principal
Bhagwant Institute of Technology, Barshi.

Date: 24/5/24

SR NO.	GROUP NO	NAME OF STUDENTS	MOBILE NO	PROJECT TITLE	NAME OF GUIDE	Student Sign
1	1	Trupti Tugavkar	8605779419	Real Estate Price Predictions	Ms. Sawant G.A.	Trupti
2		Ketaki Andhare	9763816851			Ketaki
3		Amruta Gade	7620514101			Amruta
4		Shubhangi Bokode	8999860944			Shubhangi
5		Ayesha Jikre	9403143099			Ayesha
6	2	Meghana Bhange	9112901830	Travel and tourism	Mr. Argade D.S.	Meghana
7		Vaishnavi Jagdale	9623061173			Vaishnavi
8		Ashwini Kale	8551025219			Ashwini
9		Priyanka Pachkawade	8483850034			Priyanka
10		Rutuja Patil	7822850327			Rutuja
11	3	Aarti Shinde	8169816186	missing person android	Mr. Argade D.S.	Aarti
12		Shubham Sabale	9168481438			Shubham
13		Sarita Naikwadi	7028854723			Sarita
14		vishal Sawant	7066188421			vishal
15		Sahil Mujawar	8421034432			Sahil
16	4	Hivare Sandhya	9689301622	Deploying ene to end website on AWS	Mrs. Raule M.B.	Sandhya
17		Mote Rohini				Rohini
18		Akshata Yeware	9552473959			Akshata
19		Priti Mandlik	7798248283			Priti
20		Nikita Chavan	7620659412			Nikita
21	5	Sattyam Gadhave	7774884980	On the Way	Mr. Kumbhar P.B.	Sattyam
22		Rohit Chaudhari	9359980809			Rohit
23		Shubham Dambre	7517212554			Shubham
24		Krushna Barskar	7620683288			Krushna
25		Chandrakant Sangale	7038230121			Chandrakant
26	6	Vaishnavi Limkar	9156125422	Health care	Mr. Atnurkar A.B.	Vaishnavi
27		Avanti Shirat	7498229382			Avanti
28		Nandini Dubhade	8956501972			Nandini
29	7	Sakshi Pawar	8857862161	Agriculture Management	Ms. Kamble S.A.	Sakshi
30		Dnyaneshwari Burange	8625991557			Dnyaneshwari
31		Samruddhi Kadam	9890254953			Samruddhi
32		Vaishnavi Deshmukh	7841980900			Vaishnavi
33		Pranjali Tikte	9527549120			Pranjali
34	8	Onkar Pawar (Leader)	7620787154	Car Rental Service	Mr. Atnurkar A.B.	Onkar
35		Rohan Gurave	8485082977			Rohan
36		Sahil Sayyad	9834662453			Sahil
37		pratik shinde	7264896555			pratik
38		Nilesh karade	9075443094			Nilesh
39	9	Suraj Ingale	9356851512	Arduino obstacles avoiding + voice control + bluetooth control Robot	Mr. Doifode M.A.	Suraj
40		Shrinivas Andhare	9356808533			Shrinivas
41		Afrah Sayyad	9325621015			Afrah
42		Saurabh Veer	7798982892			Saurabh
43		Prathamesh Mule	9561434028			Prathamesh
44	10	Onkar Jadhav	8767500108	Techno Trade	Ms. Kamble S.A.	Onkar
45		Azar Shaikh	7820834669			Azar
46		Kaif Jalse	8482969923			Kaif
47		Sumedh Lankeshwar	8262824696			Sumedh
48		Saurabh Ghodke	9156414067			Saurabh
49	11	Vishal pawar				Vishal
50		Shukrajay Kumbhar	7448286175			Shukrajay



Mr. Dnyanesh M. B.

Principal
Bhagwant Institute of Technology,
Barshi.

51	11	Dinesh Khandale	7796445116			
52						
53	12	Madhura Betale	9665943125	Web Deisgn for sovrein architecture	Ms. Sayyad K.M.	M.P. Betale
54		Pratiksha Kawade	8459861610			Kawade
55		Shubhangi Gapat	8010032706			Shubhangi
56		Sneha Shelke	7875728068			Sneha
57		Chandan Pande	7620784510			Chandan
58	13	Onkar Vaidya	8329389626	Chat With Buddy	Mr. Kumbhar P.B.	Onkar
59		Kanchan Kulkarni	7841929517			Kanchan
60	14	Kirti Kulkarni	9561308478	Help and Share	Mr. Doifode M.A.	Kirti
61		Shubhangi Aiwale	8010399580			Shubhangi
62		Nikita Gaikwad	8530184452			Nikita
63		Akshay Kamble				Akshay
64		Mohan Patil				Mohan
65	15	Tejas More			Ms. Sayyad K.M.	Tejas
66		Shoeb Shaikh				Shoeb
67		Rahul Kulkarni				Rahul
68		Raj Kashid				Raj Kashid
69	16	Sayama Pathan	8485095585			Sayama


Project Coordinator
Ms. Kamble S.A.


Principal
Bhagwant Institute of Technology
Barshi.


HOD
Mr. Kumbhar
Head of Department,
Computer Science & Engineering,
Bhagwant Institute of Technology, Barshi.





Class: BTech E&TC

BTECH PROJECT INTERNAL EXAM

Sr. No.	Group No.	PRN No.	Name of students	Title of Project	Ac. Yr. 2023-24	Date: 14/05/2024
1	1	T2067011372701	MOHITE TANUJA DIGAMBAR	GSM Based Earth Fault detection System	Sign of Students <i>[Signature]</i> Bandhale Ophalca	Guide Name & Sign <i>[Signature]</i> Mr. Kishoragar D.D.
2		T2167011372519	SUJATA SANJAY ANDHARE			
3		T2067011372004	VISHAKHA DATTATRAYA SUTAR			
4	2	T2167011372509	SNEHAL SATISH LONDHE	IoT Smart Cart trolley with GSM module	<i>[Signature]</i> Bondhe D.T. Supriya	<i>[Signature]</i> Mr. Paul K.
5		T2167011372523	SHAIKH NIGABEGAM FIROJ			
6		T2167011372522	JAMADAR SUPRIYA DRYANESHWAR			
7	3	T2067011372001	AKANKSHA ARUN VIBHUTE	DTMF Based Water Irrigation Pump control system	A.A. Vibhute D.N. Pawade	<i>[Signature]</i> Mr. Kishoragar D.D.
8		T2167011372503	PAWASE DIPALI NAGNATH			
9	4	T2167011372510	KULKARNI AKANKSHA ARVIND	Weather monitoring humidity Temperature, Rain	<i>[Signature]</i> Aulkar D.A.S.	<i>[Signature]</i> Mr. Paul K.
10		T2167011372514	JADHAV PRITI SATISH			
11	5	T2067011372002	BALAJI LAXU DEWKATE	Wearable oscilloscope smart watch	<i>[Signature]</i> Rohit Shree Vishal	<i>[Signature]</i> Mr. Anil P.S.
12		T2067011372003	RAHUL BISHWAN KUTE			
13		T2167011372517	SHASHANK SUNIL SHINGADE			
14		T2167011372501	SAYYAD SHAHID SADIK			
15	6	T2167011372507	DESHMUKH VISHWAJIT DHARAT	Automatic Polkhouse Control System	<i>[Signature]</i> Beshu Vishal	<i>[Signature]</i> Mr. Paul K.
16		T2167011372508	VISHWAJEET LAXU PARANDE			
17	7	T2167011372511	CHOUDHARI SUJIT CHANGDEV	Notice Board using GSM	<i>[Signature]</i> S.M. Rohit	<i>[Signature]</i> Mr. Kishoragar D.D.
18		T2167011372512	DEVKAR HARIVIJAY MAHADEV			
19	8	T2167011372515	JAGTAP SANDIP SAHADEV	Password based circuit breaker	<i>[Signature]</i> Rup Pratik	<i>[Signature]</i> Mr. Anil P.S.
20		T2167011372516	PRAKASH MAHADEV BHUJBAL			
21	9	T2167011372524	ONKAR ABHIMAN SUTAR	Wearable Oscilloscope smart watch	<i>[Signature]</i> Chitambar Mangam	<i>[Signature]</i> Mr. Kishoragar D.D.
22		T2167011372525	OHOL PRAKASH RAMHARI			
23		T2167011372526	MOTE MAYUR TANAJI			

[Signature]
Project Co-ordinator

[Signature]
HOD



[Signature]
Principal
Bhagwant Institute of Technology
Barshi.

A
PROJECT REPORT ON

"Stock Trends Analysis"

IN PARTIAL FULFILLMENT OF THE
REQUIREMENT FOR THE AWARD OF
THE DEGREE OF

B.Tech.

IN

COMPUTER SCIENCE & ENGINEERING

SUBMITTED BY

Ms. Shubhangi Santosh Gapat	2067811242018
Ms. Pratiksha Suresh Kawade	2167811242519
Ms. Sneha Uttam Shelke	2167811242531
Mr. Chandan Vijay Pande	2167811242533
Ms. Madhura Prabhuappa Betale	2167811242535

B.Tech. Computer Science & Engineering, Semester VIII

UNDER THE GUIDENCE OF

Ms. Sayyad K.M.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI
(AFFILIATED TO DBATU UNIVERSITY)**

2023-2024

JSPM's & SBERCT's
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI



CERTIFICATE

This is to certify that **Ms. Shubhangi Gapat, Ms. Pratiksha Kawade, Ms. Sneha Shelke, Mr. Chandan Pande, Ms. Madhura Betale** Student of B.Tech. Computer science Engineering of B.I.T, Barshi has successfully completed the project report on **"Stock Trends Analysis"** in the partial fulfillment of degree course in the Computer Science & Engineering, of DBATU University, Lonere during the academic year **2023-2024**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Place: - Barshi




GUIDE

Prof. Sayyad K.M.



Project Co-ordinator
Prof. Kamble S.A.



HOD
Prof. Kumbhar P.B.



PRINCIPAL

A
PROJECT REPORT
ON

“Wearable Oscilloscope Smart Watch”

SUBMITTED BY

Mr. Devkate B.L. (SEAT NO:-2067811372002)

Mr. Kute R.B. (SEAT NO:-2067811372003)

Mr. Sayyad S.S. (SEAT NO:-2167811372501)

Mr. Shingade S.S.(SEAT NO:-2167811372517)

UNDER THE GUIDANCE OF

Prof. P.S.Andhare



JSPM'S GROUP OF INSTITUTES, PUNE
&

SBERCT's
BHAGWANT INSTITUTE OF TECHNOLOGY, BARSHI.

DEPARTMENT OF
ELECTRONICS & TELECOMMUNICATION
ENGINEERING

2023-2024



CERTIFICATE

This is to certify that this project work titled as "*Wearable Oscilloscope Smart Watch*" is the bonafied work of the following students from *Electronics and Telecommunication Engineering Department*.

Mr. Devkate B.L. Mr. Kute R.B. Mr. Sayyad S.S. Mr. Shingade S.S.

The students have carried out the project work in the department of the Electronics and Telecommunication engineering as per requirements of the **Dr. Babasaheb Ambedkar Technological University, Lonere**

P.S. Andhare

GUIDE

Prof. P.S. Andhare

[Signature]
H.O.D.

[Signature]
Vice-Principal

[Signature]
Principal