



Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY
BAMBHORI, POST BOX NO. 94, JALGAON- 425001. (M.S.)
Included Under Section 2(f) & 12(B) of the UGC Act, 1956
ISO 9001:2015 Certified



November 2021

CROSS-CUTTING ISSUES

Phone: (0257) 2258393, 94, 95 Fax: (0257) 2258392
Website- www.sscoetjalgaon.ac.in Email: sscoetjal@gmail.com

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1.3.1 Institution Integrates Crosscutting Issues Relevant To Professional Ethics, Gender, Human Values, Environment And Sustainability Into The Curriculum

The institute has been working for the development of the students through the following parameters: -

1. Professional Ethics: - Being an engineering institute, inherently students acquire professional ethics through the institute environment and culture. As part of programme curriculum, topics related to professional ethics are included in the syllabus like Organizational Behavior, project management etc. Experiential learning through industrial visit and participative learning through expert lectures also imbibe professional ethics.

2. Gender Equality: - Though the institute is co-education, for gender equity the institute has constituted "*Women Grievance Redressal and Anti Ragging Committee*". In order to make everyone aware of gender equity, the committee organizes various activities such as women rights and security, Women Empowerment, health and hygiene, social awareness, usage of social media etc. Meetings of the committee members are conducted regularly and various points are discussed to provide better environment for the women. The institute has ragging free environment.

3. Human Values: - The institute is very keen on imbibing human values among students through various activities such as celebrating Independence Day, Republic Day, Gandhi Jayanti, Teacher`s Day, Voters Awareness Day, International Yoga Day, World Environment Day, Youth Day, Traditional day etc.

4. Environmental and Sustainability: - Environmental Studies is a part of curriculum as prescribed by the University. It helps to create awareness about the Ecosystem, Natural Resource Conservation, Waste Management and Pollution. This curriculum is supported by field visit. The institute organizes Tree Plantation Program, Cleanliness Program and special lectures to make everyone aware of the importance of environment and sustainability issues. Rainwater Harvesting, waste water recycling, usage of solar energy, illumination through LED etc. at the institute creates awareness and consciousness among staff and students.

Professional Ethics

Kavayitri Bahinabai Chaudhari
NORTH MAHARASHTRA UNIVERSITY,
JALGAON (M.S.)

Second Year Engineering
(Computer Engineering / Information Technology)

Faculty of Science and Technology



SYLLABUS STRUCTURE

Semester – III & IV

W.E.F. 2019 – 20

Syllabus Structure for Second Year Engineering (Semester – III) (Computer Engineering and Information Technology)(w.e.f. 2019 – 20)
(As per AICTE Guidelines)

Name of the Course	Group	Teaching Scheme				Evaluation Scheme					Credits
		Theory Hrs/ week	Tutoria l Hrs / week	Practica l Hrs / week	Total	Theory		Practical		Total	
						ISE	ESE	ICA	ESE		
Mathematics – III	B	3	1	-	4	40	60	-	-	100	4
Signals and Systems	C	3	-	-	3	40	60	-	-	100	3
Analog Electronic Circuits	C	3	-	-	3	40	60	-	-	100	3
Discrete Mathematics	D	3	-	-	3	40	60	-	-	100	3
Organizational Behavior	A	3	-	-	3	40	60	-	-	100	3
Analog Electronic Circuits Lab	C	-	-	2	2	-	-	25	25 (PR)	50	1
Discrete Mathematics Lab	D	-	-	2	2	-	-	25	25 (PR)	50	1
Object Oriented Programming Lab	D	1	-	2	3	-	-	25	25 (PR)	50	2
		16	1	6	23	200	300	75	75	650	20

ISE: Internal Sessional Examination

ESE: End Semester Examination


ICA: Internal Continuous Assessment

A. D. Ghem
HEAD
 Information Technology Department
 SBT's College of Engineering & Technology
 Bambhori, Jalgaon-425001 (M.S.)

Syllabus for Second Year Engineering (Computer Engineering / Information Technology) w.e.f. 2019 – 20

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Organizational Behavior				
COURSE OUTLINE				
Course Title:	Organizational Behavior	Short Title:	OB	Course Code:
Course description:				
This course includes the behavior of people in the work environment. Students develop a basic understanding of individual behavior and explore issues of personality, attitude, motivation, communication, leadership, job satisfaction, group dynamics and work stress.				
Lecture	Hours/week	No. of weeks	Total hours	Semester credits
	3	14	42	3
Prerequisite course(s):				
Basic knowledge of the organization and human behavior.				
Course objectives:				
<ol style="list-style-type: none"> 1. To understand organization behavior. 2. To know individual perspective and individual behaviour. 3. To understand group dynamics. 4. To gain knowledge of leadership. 5. To understand work stress and stress management. 				
Course outcomes:				
After successful completion of this course the student will be able to:				
<ol style="list-style-type: none"> 1. Explain organization behaviour. 2. Define individual behaviour. 3. Determine group issues. 4. Apply leadership styles. 5. Analyze factors causing work stress. 				
COURSE CONTENT				
Organizational Behavior		Semester:	III	
Teaching Scheme:		Examination scheme		
Lectures:	3 hours/week	End semester exam (ESE):	60 marks	
		Duration of ESE:	03 hours	
		Internal Sessional Exams (ISE):	40 marks	
Unit-I:	No. of Lectures: 08 Hours	Marks: 12		
Introduction to Organization Behavior				
<ul style="list-style-type: none"> • Meaning and Definition of Organization Behavior (O.B) • Key Elements of Organization Behavior • Nature and Scope of Organization Behavior • Importance of Organization Behavior • Disciplines Contributing to O.B • Emerging Challenges and Opportunities for O.B. 				
Unit-II:	No. of Lectures: 09 Hours	Marks: 12		
Individual Perspective / Foundation of Individual Behavior				


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 Information Technology Department
 The College of Engineering & Technology
 Bambhori, Jalgaon-425004 (M.S.)

<p>(a) Personality:</p> <ul style="list-style-type: none"> • Meaning and Definition of Personality • Factors/Key Determinants of Personality • Personality Traits <p>(b) Attitudes:</p> <ul style="list-style-type: none"> • Meaning & Nature of Attitude • Types of Job Attitude • Components of Attitude • Functions of Attitude • Ways to change Attitude <p>(c) Job Satisfaction:</p> <ul style="list-style-type: none"> • Meaning and Definition of Job Satisfaction • Factors affecting Job Satisfaction • Ways of measuring Job Satisfaction • Impact of Job Satisfaction on Work Performance 		
Unit-III:	No. of Lectures: 08 Hours	Marks: 12
Group Dynamics		
<ul style="list-style-type: none"> • Meaning of Group, Group Dynamics • Why do people join groups • Types of Groups • The Five Stage Model of Group Development • Group Properties: Group Norms, Group Size, Group Cohesiveness, • Concept: Group Think, Group Shift 		
Unit-IV:	No. of Lectures: 09 Hours	Marks: 12
Motivation and Leadership		
<p>Motivation:</p> <ul style="list-style-type: none"> • Meaning and Definition of Motivation • Types of Motivation: Financial and Non-Financial • Theories of Motivation <ul style="list-style-type: none"> a) Maslow's Hierarchy of needs Theory b) Theory X and Theory Y c) Goal Setting Theory <p>Leadership:</p> <ul style="list-style-type: none"> • Meaning & Importance of Leadership • Styles of Leadership • Theories of Leadership <ul style="list-style-type: none"> a) Likert's system of 4 b) Path Goal Theory c) Charismatic Leadership Theory 		
Unit-V:	No. of Lectures: 08 Hours	Marks: 12
Work Stress		
<ul style="list-style-type: none"> • Meaning, Nature of Stress • Factors causing Stress • Consequences of Stress 		

Syllabus for Second Year Engineering (Computer Engineering / Information Technology) w.e.f. 2019 - 20

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A. Asham
M.E.T.B.

Computer Engineering, Department
SSBT's College of Engineering & Technology, Bambhori
Jalgaon - 392001



Sadhana Bombay Trust's
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 E-mail: sscetjal@gmail.com
 Principal: Dr. K.S.Wani
 M. Tech., DBM, Ph.D.

Phone No. (0257) 2258393
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Speed Post

Ref. No. C067/302/1577/09/17-

Date: 21/09/2017

To,
The Director,
 Dwarka Industries,
 MIDC Jalgaon.

Subject: Regarding Industrial visit for Final Year Electrical Engineering Students at your Dwarka Industries MIDC Jalgaon.

Dear Sir,

A group of 83 students of Electrical Engineering accompanied by their four faculty members wish to visit your Dwarka Industries MIDC Jalgaon.

This visit is a part of university curriculum with an aim that young graduate engineers should get present day glimpses of field situation, handling techniques along with industrial work culture.

I request you to grant them permission for a visit to your establishment on Friday, 22nd September 2017 forenoon and help them in getting an insight to the field/industrial engineer's views.

Kindly convey your permission for the visit and extend all possible assistance in this regards.

Thanking you.

Yours faithfully,

Dr. K.S.Wani
 21/9/17

Dr. K.S.Wani

Principal

PRINCIPAL

SSBT's College of Engg & Technolo

Bambhori, Jalgaon - 425001 (M.S.)

Received

[Signature]



Copy to: H.O.D. Electrical Engineering

UG Programs- Engineering Bio-Technology, Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Information Technology, Mechanical
 PG Programs - Engineering Civil, Computer, Electrical, Electronics & Telecommunication, Mechanical
 - Management MBA

SSBT's College of Engineering & Technology, Bambhori, Jalgaon
Department of Electrical Engineering
Class: BE Term-I Sem:VII Year: 2017-18

Roll No.	Name of Student	Roll No.	Name of Student
1	Akhade Sandeshkumar Amrit	45	Patil Manohar Anrut
2	Akshay Kiranje F/N Yogiraj	46	Patil Mayuri Avinash
3	Barrise Sagar Gopichand	47	Patil Nikita Hemant
4	Bavaskar Shobha Dhanu	48	Patil Parimal Sudhakar
5	Bhandarkar Lalit Rajendra	49	Patil Pramod Bhimrao
6	Bhoi Yogesh Tulshiram	50	Patil Ritesh Kalyansingh
7	Bhole Harish Digambar	51	Patil Rupali Eknath
8	Bora Madhavan Padmanabh	52	Patil Shubham Chandrakant
9	Bornare Dhanashree Santosh	53	Patil Trupti Satish
10	Chaudhari Rina Sudam	54	Patil Yogita Prakash
11	Chaudhari Vivek Madhukar	55	Pawar Shubham Maloji
12	Chauhan Puja Ramchandrasing	56	Phegade Mayuri Dinesh
13	Chitte Anil Bhikaji	57	Rane Jagruti Sanjay
14	Deogade Dilsha Vinod	58	Rane Puja Bhaskar
15	Desale Akash Bhika	59	Sapkale Nilesh Liladhar
16	Deshmukh Mo. Saif Mo. Iqbal	60	Sapkale Shubham Pandurang
17	Dhawale Krushna Laxman	61	Sharma Mohit Hanuman
18	Girase Pradip Pauladsing	62	Sonar Krushna Subhash
19	Girase Shaktiraj Vikramsing	63	Sonawane Harshal Pradip
20	Gohil Anand Chandulal	64	Surwade Nikhil Kishor
21	Isai Mayuri Ghanashyam	65	Tadavi Mohasim Nasim
22	Isane Abhav Narayan	66	Tadke Abhijit Shivshankar
23	Jadhav Ravindra Gangadhar	67	Taksande Samiksha Devendra
24	Kalpe Padmavati Mukund	68	Tayade Aakash Vijay
25	Khadse Yogeshwar Shrikrishna	69	Tayade Bharat Ashok
26	Khutaphale Dattatray Arun	70	Telgote Shubham Vilas
27	Kolhe Jagruti Gopal	71	Thakare Rushikesh Vasant
28	Koli Puja Sunil	72	Thorat Akshay Vijay
29	Kumavat Makarand Shivaji	73	Thorat Nikita Gajanan
30	Madge Hemant Madhukar	74	Ushir Shivram Pralhad
31	Mahajan Bhagyashri Bhaskar	75	Varade Shweta Kailas
32	Mahajan Dhananjay Sanjay	76	Wakharkar Hrudaya Sunil
33	Mahajan Sagar Yashwant	77	Werulkar Sachin Prakash
34	Maskavade Rajashri Pramod	78	Yeole Rohini Purushottam
35	Mo. e Prasad Shrikrishna	79	Zanke Neha Pramod
36	Naphade Anagha Arun	80	Zope Mrunali Rajesh
37	Nimbhore Chetan Vitthal	81	Rade Nikhil Ramesh (Prov.)
38	Panat Chaitra Nitin	82	Patil Rajendra Yuvaraj (Prov.)
39	Pardeshi Apeksha Sanjay	83	Tikate Niranjana Vasant (Prov.)
40	Patil Arti Dilip	Faculty Members:	
41	Patil Atul Dnyaneshwar	Dr. P V Thakre (Prof.)	
42	Patil Chetan Ravindra	Mr. V. S. Pawar (Asso. Prof.)	
43	Patil Hemant Anil	Mr. S M Shembekar (Asst. Prof)	
44	Patil Komal Suresh	Miss M S Thakre (Lecturer)	

Mr. N. S. Mahajan
 Industrial Visit Coordinator
 Mob: 9975002581
 Email:
 nilesh17_mahajan@rediffmail.com

Annex students & staff visited our Industries



(Signature)
 HEAD

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (M.S.)

Kavayitri Bahinabai Chaudhari
NORTH MAHARASHTRA UNIVERSITY,
JALGAON (M.S.)

Second Year Engineering
(Electronics and Telecommunication Engineering)

Faculty of Science and Technology



SYLLABUS STRUCTURE

Semester – III& IV

W.E.F. 2019 – 20

Head

Electronics & Telecommunication Engg. Department
SSBT's College of Engineering & Technology
Bambhori, Jalgaon - 425001 (M.S.)

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Syllabus Structure for Second Year Engineering (Semester – III) (E & TC) (w.e.f. 2019 – 20) (As per AICTE Guidelines)

Name of the Course	Group	Teaching Scheme				Evaluation Scheme					Credits
		Theory Hrs / week	Tutorial Hrs / week	Practical Hrs / week	Total	Theory		Practical		Total	
						ISE	ESE	ICA	ESE		
Mathematics-III	B	3	1	-	4	40	60	-	-	100	4
Electrical Machines	C	3	-	-	3	40	60	-	-	100	3
Solid State Devices and Circuits	C	3	-	-	3	40	60	-	-	100	3
Digital System Design	D	3	-	-	3	40	60	-	-	100	3
Industrial Organization and Management	A	3	-	-	3	40	60	-	-	100	3
Programming Language Lab	C	-	-	2	2	-	-	25	25(PR)	50	1
Digital System Design Lab	D	-	-	2	2	-	-	25	25(PR)	50	1
Electronic Devices and Circuits Lab	D	1	-	2	3	-	-	25	25(PR)	50	2
		16	1	6	23	200	300	75	75	650	20

ISE: Internal Sessional Examination

ESE: End Semester Examination

ICA: Internal Continuous Assessment

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Electronics & Telecommunication Engg. Department
SSBT's College of Engineering & Technology
Bambhori, Jalgaon - 425001(M.S.)

Syllabus Structure for Second Year Engineering (Semester – IV) (E & TC) (w.e.f. 2019 – 20) (As per AICTE Guidelines)

Name of the Course	Group	Teaching Scheme				Evaluation Scheme					Credits
		Theory Hrs / week	Tutorial Hrs / week	Practical Hrs / week	Total	Theory		Practical		Total	
						ISE	ESE	ICA	ESE		
Biology	B	3	1	-	4	40	60	-	-	100	4
Network and Lines	C	3	-	-	3	40	60	-	-	100	3
Analog and Digital Communication	D	3	-	-	3	40	60	-	-	100	3
Analog Circuits	D	3	-	-	3	40	60	-	-	100	3
Enter Development program	A	3	-	-	3	40	60	-	-	100	3
Electronics Workshop	C	-	-	2	2	-	-	-	-	-	1
Analog and Digital Communication Lab	D	-	-	2	2	-	-	25	25(PR)	50	1
Analog Circuit Lab	D	-	-	2	2	-	-	25	25(PR)	50	1
Electronics Network Lab	D	1	-	2	3	-	-	25	25(PR)	50	2
Environment Studies	H	-	-	-	-	-	60	40	-	-	-
Internship – I*	H	-	-	-	-	-	-	-	-	-	-
		16	1	8	25	200	300	75	75	650	21

* Internship – I is a mandatory and non-credit course. It shall be during summer vacation after Semester – IV. The satisfactory completion of Internship – I should be submitted to University at the end of Semester – VIII.

ISE: Internal Sessional Examination

ESE: End Semester Examination

ICA: Internal Continuous Assessment

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Head

Electronics & Telecommunication Engg. Department
SSBT's College of Engineering & Technology
Bambhori, Jalgaon - 425001(M.S.)

Industrial Organization and Management				
COURSE OUTLINE				
Course Title:	Industrial Organization Management	Short Title:	IOM	Course Code:
Course description:				
This course provides an introduction to: basics of management their organizational structures with human resources development, financial management, quality management & industrial acts.				
Lecture	Hours/week	No. of weeks	Total hours	Semester credits
	03	14	42	03
Prerequisite course(s):				
Basic knowledge of Management science and its concept.				
Course objectives:				
<ol style="list-style-type: none"> 1. Students will understand fundamental principle of Organization and Management. 2. Student will learn the concept of organization Structure. 3. Student will get the knowledge of financial resource for enterprise. 4. Student will gain knowledge about man power planning in industry for proper utilization of available resources. 5. Students will become aware about importance of quality standards and industrial safety. 				
Course outcomes:				
After successful completion of this course the student will be able to:				
<ol style="list-style-type: none"> 1. Students will demonstrate knowledge about management science and get motivation for Entrepreneurship. 2. Students will able to know about various organizational structures and their application in industry. 3. Students will able get information about financial sources for setting the capital for start up. 4. Students will be able to understand the utilization of available resources like men, material and machines etc 5. Student will able understand the knowledge regarding ISO standards, Industrial acts and accident avoidance. 				
COURSE CONTENT				
Industrial Organization and Management		Semester:		III
Teaching Scheme:		Examination scheme		
Lectures:	3 hours/week	End semester exam (ESE):	60 marks	
		Duration of ESE:	03 hours	
		Internal Sessional Exams (ISE):	40 marks	
Unit-I:	No. of Lectures: 09 Hours	Marks: 12		
Management and principles of Management:				
Introduction to definition of management. Evolution of management, Introduction to scientific management by F.W Taylor, Administrative management by Fayol. Functions of management. Principles of management, management skills and roles. Relation between Administration Management and Organization.				

Unit-II:	No. of Lectures: 08 Hours	Marks: 12
Organizational structure:		
Concept, Organization theories and forms of organizational structure. Types of ownership partnership, proprietorship, Joint stock company, private limited, public limited, co-operative organization. Public sector and Joint Venture.		
Unit-III:	No. of Lectures: 08 Hours	Marks: 12
Financial Management:		
Definition and functions of financial management. Capital structure fixed and working capital. Sources of finance – external and internal sources, Loans from banks, Public deposits, Trade credit. Engineering Economics – wants, utility, demand, Elasticity of demand and supply.		
Unit-IV:	No. of Lectures: 09 Hours	Marks: 12
Human Resources Management:		
Factors affecting on human resource planning concept, Need of human resource planning. Sources of recruitment, selection test. Objectives and benefit of training methods to workers, labour welfare. Communication and discipline in industries. E-business and E-governance.		
Unit-V:	No. of Lectures: 08 Hours	Marks: 12
Industrial Labour Legislation:		
Importance and necessity of labour act, Industrial act: factories act Industrial Accidents and safety Quality- concept, quality control, ISO 9000 series standards in general.		
Text Books:		
1. M.Mahajan: Industrial Engineering & Production Management, Dhanpat Rai & company.		
Reference Books:		
1. O.P.Khanna:- Industrial Engineering & Management, Dhanpat Rai &Company.		
2. Koontz: Essential of Management, TMH 6/edition.		
3. M.Y.Khan & P.K.Jain :- Financial Management, TMH.		



Head
electronics & Telecommunication Engg. Department
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Coordinator's Report

MBA Students Association (MBASA) organized Expert Lecture on topic "Leadership Qualities for Managing Uncertainty" by Prof. Sanjeev Sharma (Director, University Institute of Applied Management Sciences, Panjab University, Chandigarh) on 07/10/2017.

Venue: MBA Dept

Time: 12:00 pm To 1:00 pm

Theme of the event / Competition:

- Expert Lecture on topic "Leadership Qualities for Managing Uncertainty"

Objective of the event:

- To understand the qualities required by a leader for managing uncertainty.

Beneficiary:

- MBA I year Students.

Analysis of Feedback:

- **Positive Remarks:** Explained all the different qualities like complexity, diversity, etc
- **Negative Remarks:** NIL.
- **Key Suggestion:** It should be compulsory for all students.

Student Volunteers:

Name	Role
• All MBA II year students	Organized Whole Event

Total No. of Students Presents:

MBA II - 39



Event Coordinator

(Dr. Richa A. Modiyani)

Enclosure:

- Attendance Report
- Photos of event

Organizer: MBA Students Association

**Expert Lecture on topic
“Leadership Qualities for Managing Uncertainty”
Conducted on 07th October, 2017.**



Organizer: MBA Students Association

Gender Equality

Permitted.
MVP 07/03/19

Date: 07/03/19

To,
The Principal,
SSBT's COET, Bambhori,
Jalgaon.

Subject: Permission for program by Women's Grievance Redressal Committee.

Respected Sir,

As per discussion Women's Grievance Redressal Committee wants to arrange a program on the topic "Need to follow the traffic rules" on dated 8 March 2019. The program will be conducted with your permission. Kindly permit for the same.

Thanking You,

Yours Faithfully,
MVP
Mrs.M.V. Deshpande
(Chairman)
Women's Grievance
Redressal Committee

**SSBT's COLLEGE OF ENGINEERING & TECHNOLOGY ,BAMBHORI, JALGAON.
WOMEN's GRIEVANCE REDRESSAL COMMITTEE**

Report On "International Women's Day Celebration 2019

Theme:-"Awareness Programme Need To Follow Traffic Rules"

Date of Programme:-08/03/2019

Time:-11.00 am -1.00 pm

Guest/ Speaker: - Ms Meghana Joshi ,Traffic Inspector, RTO Jalgaon.

Venue:-AC Seminar Hall

Objective: - To raise awareness among Students –of the extent of death and injury on roads and their power to prevent it through careful/safe use of roads.

Women's Grievance Redressal Committee of SSBT College of Engineering and Technology Bambhori, Jalgaon organized Awareness program "Need To Follow Traffic Rules". Programme was started with warm welcome of Guest Ms Meghana Joshi Traffic Inspector, RTO Jalgaon by Shri R.B. Sangore Assistant Professor IT Department.

In Speech of Guest, she said that when it comes to defensive driving, obeying traffic rules and using common sense are essential. Traffic rules are in place to help protect you and others while operating a vehicle on the road. Make sure you know the rules and that you apply them to your own driving every day. Total 140 student attend the programme. Programme End with Vote of thanks given by Women Redressal Committee Member Ms Nilima Patil.



Dignitaries on the Dias



Felicitation of Guest Ms Meghana Joshi by Mr.R.B.Sangore IT Department



Discussion with students



Audience

Ms Meera Deshpande
Chairperson
Women's Redressal and Grievance Committee

SSBT's COLLEGE OF ENGINEERING & TECHNOLOGY, BAMBHORI, JALGAON
WOMEN's GRIEVANCE REDRESSAL COMMITTEE

REPORT ON SELF DEFENCE PROGRAMME "KARATE WORKSHOP"

Theme :- Self Defence

Date of Programme:- 12/10/2018 To 14/10/2018

Time:-03.00-4.00 pm

Guest/ Speaker:- Mrs Seema Bhole, Mahapour Municipal Corporation Jalgaon

Venue :-Sant Muktai Auditorium SSBT College of Engineering ,Bambhori, Jalgaon.

Objective:- To build self confidence so that they can contribute meaningfully to their own development, shape their own destiny and capacity enhancement through Self-defence training.

Women's Grievance Redressal Committee of SSBT College of Engineering and Technology, Bambhori, Jalgaon Organized Karate Workshop for Hostel students during 12/10/2018-14/10/2018 in cooperation with ABVP Mission SAHASI for Girl students. Chief Guest for programme was Mrs Seematai Bhole , Mahapour Municipal Corporation Jagaon,. Programme was started with warm welcome of Guest, by President of function Dr S.P.Shekhawat.

The ability to protect oneself physically from harm is a basic human right that should be accessible to everyone, including girls.. The world can be a dangerous place for girls and women, as they often experience violence. They're often perceived as easy targets – and while this may not be true, there is still a disproportionate amount of violence conducted against them. Many parents of girls and girls themselves are interested in learning how to protect themselves against violent situations, but they are often not sure where to turn. Workshops are a safe space where women of all ages develop mental and physical skills to defend themselves against attacks. We believe that every girl is strong and has to become aware of this internal power. programs help girls to develop their personality and grow into strong women. In this workshop some defence techniques are taught by trainer. Self defence

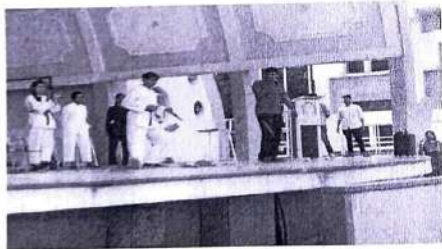
techniques are followed by the girl students. Girls learned self defence techniques,Practically they got knowladge and they are more confident about self defence.Total 90 students Attend the workshop. Programme Ends with “Vande Mataram”.



Dignitaries on The Dias



Tips For Self Protection-Moment



Moment in Karate Workshop

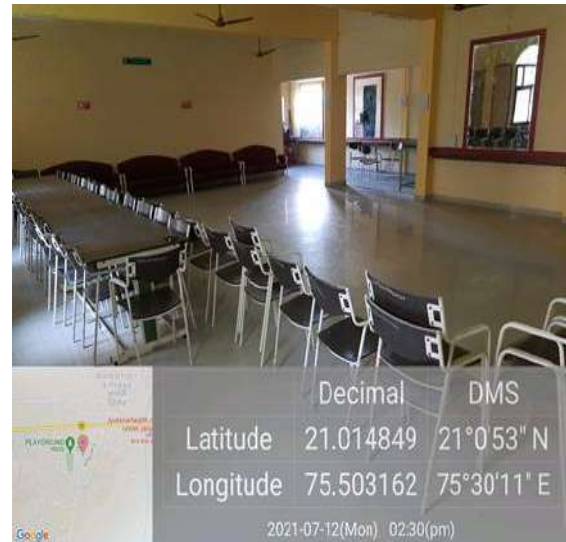


Student Following Trainer in Workshop

Ms Meera Deshpande

Ms Meera Deshpande
Chairperson
Women's Grievance Redressal Committee

Girls Common Room and Boys Common Room





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 Principal: Dr. K.S.Wani
 M. Tech., DBM, Ph.D.

Phone No. (0257) 2258393
 Fax No. (0257) 2258392

Ref no.: COET/ANTI Rg-1108/0717

Date 29 JUL 2017

Anti Ragging Committee 2017_18

SN	Committee designation	Name	Affiliation Designation
01	Chairman	Dr. M. Husain	HOD Civil
02	Representative of HOD as a Member	Dr. V R Diware	HOD Chemical
03	Representative of Non Govt. Organization	Shri R. D. Barde	Advocate
04	Representative of Police	P. S. I. Paldhi Police Station	Police Sub Inspector
05	Representative of Teaching Staff as a Member	a) Dr P. V. Thakre b) Prof J N Kale b) Dr. Smt. Saroj Patil	Professor, Electrical Engineering AP, Civil Engg A.P., MBA department
06	Student Welfare Officer	Shri N. M. Kazi	Assistant Prof., Electronic and Telecommunication engg
07	Representative From Hostel as a Member	a) Dr. S. L. Patil b) Smt Archana Bhavsar b) Smt Pushpa Raul	Rector, Boys' Hostel Rector, Girls' Hostel Hostel Superintendent Girls'
08	Representative of Non teaching Staff as a Member	a) Shri Sudhir Patil b) Shri J. B. Sisodiya	Librarian Physical Director
09	Representative of a Parents as a Member	Bhagwat Dharamsingh Patil 9423774263	parent of Ms Harshada Bhagwat Patil FE Computers
10	Student representative (senior)	1. Ratnakar Pawar, BE Civil 7588828989 2. Ms Sayali Nemade, BE IT 9673892577 3. Digvijay Mahajan, BE Comp 8605255370 4. Pranita Bhirud, BE Mech, 7057190727	Representative from Hostel (Boys') Representative from Hostel (Girls') Day Scholar Representative (Boys') Day Scholar Representative (Girls')
11	Student representative (Junior)	1. Shekh Abujar, FE Mech 7030421582 2. Ms Shweta Garud, BE IT 8605029863 3. Shubham Kall, FE Civil, 9518967744 4. Ms Harsha B Patil, FE Comp, 9119419173	Representative from Hostel (Boys') Representative from Hostel (Girls') Day Scholar Representative (Boys') Day Scholar Representative (Girls')

K
29.7.17
 Principal

PRINCIPAL

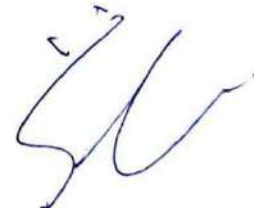
SBT's College of Engg. & Technology, Bambhori, Jalgaon-425001(M.S.)

- Copy to:
1. Registrar, NMU, Jalgaon
 2. All members of the committee
 3. All HoDs
 4. Chair, Anti-ragging Committee
 5. Rector
 6. NBs of Hostel and main NBs of buildings
 6. College website

UG Programs - Engineering Bio-Technology, Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Information Technology, Mechanical
 PG Programs - Engineering Civil, Computer, Electrical, Electronics & Telecommunication, Mechanical
 - Management MBA

Minutes of meeting held on September 6TH 2017

1. Chairman welcomed all the members and greeted them.
2. Chairman asked student members to give their introduction.
3. Chairman introduced staff members with students.
4. Chairman congratulated everybody that the college has a perfect "no ragging" environment and not even a single case of ragging has been outcropped in last academic year. The student members of first year supported the feelings of Chair.
5. Chairman emphasized the importance of curbing all possibilities of ragging. He described the serious consequences of ragging. He mentioned that the anti-ragging squad must have a routine as well as surprise visit to the hostels. He further expressed that he will be keen to pay surprise visit to the hostel in this regard.
6. Chair asked Rector to maintain the squad signature muster updated.
7. The Chair informed everybody that the UGC has asked to online fill up the anti ragging forms by each and every student. Thus all HoDs have been informed in this regard.
8. Dr S L Patil suggested that all members should visit to hostels frequently to keep discipline ion student.
9. Mr Mahajan Digvijay suggested that the knowledge must be the criteria of respect, not the seniority.
10. Ms Birhade suggested that a friendly environment amongst students must come and mutual respect and dignity must be maintained.
11. Meeting ended with a vote of thanks for the chair. Chair also thanked everybody for their presence. He expressed his expectation that the no ragging environment shall persist in the college with the sincere efforts of hostel authorities.



Human Values

Republic Day

Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001. (M.S.)

A Report on Republic Day

Date: 26/01/2019

Time: 07.00 am

Venue: SSBT's COET Lawn

Aim / Purpose:

26th January was 70th Republic Day of India. Every we celebrate this day to pay tribute to Freedom Fighters of our country. It's a day to remember the many people that gave their lives for the country and its freedom.

Objectives:

- To promotes nationalism and patriotism towards the nation.
- To give tribute to freedom fighters.
- To give respect to National Flag and National Anthem.

Participant's Profile: All the Teaching & Non Teaching staff members and Students.

Description about the Program:

Teachers and Students of SSBT College of Engineering & Technology celebrated India's 70th Republic Day in the morning of 26th January. The event was marked by flag hosting by the Arc Shashikant Kulkarni. The proud moment was followed by national anthem. At the end Tea & Snakes where served to everyone

Outcomes:

- Build respect about Nation & Freedom Fighters.

Recommendations: As a coordinator it is endorsed that such type of event should be organized in college to the commemorates the sacrifices of our great leaders and freedom fighters in students mind.




Chairman
(Cultural Committee)

Independence Day

ShramSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001. (M.S.)

A Report on Independence Day

Date: 15/08/2018

Time: 07:00 am

Venue: SSBT's COET Lawn

Aim / Purpose:

15th August 2018 was 72nd Independence Day of India. Every year we celebrate this day to pay tribute to Freedom Fighters of our country. It's a day to remember people who gave their lives for the country and our freedom.

Objectives:

- To promote nationalism and patriotism towards the nation.
- To give tribute to freedom fighters.
- To give respect to National Flag and National Anthem.

Participant's Profile: All Teaching & Non-Teaching staff members and Students.

Description about the Program:

Teachers and Students of SSBT College of Engineering & Technology celebrated India's 72nd Independence Day in the morning of 15th August. The event was marked by flag hoisting by the Principal Dr. K.S. Wani. The proud moment was followed by national anthem. At the end Tea & Snacks were served to everyone.

Outcomes:

- Build respect about Nation & Freedom Fighters in the heart of the students.

Recommendations: As a coordinator it is endorsed that such type of event should be organized in college to commemorate the sacrifices of our great leaders and freedom fighters in students mind.



Chairman
(Cultural Committee)

Gandhi Jayanti



Department of Business Administration
SSBT's, College of Engineering & Technology, Bambhori,
Post Box No. 94, Jalgaon - 425001 (MS)

Coordinator's Report

MBA Students Association (MBASA) organized **Traditional Day Competition on "Non Violence Theme" tribute to 150th Birth Anniversary of Mahatma Gandhiji.**

Date: 01/10/2021	Time: 2:00 pm To 5:00 pm	Venue: Administrative Building
------------------	--------------------------	--------------------------------

Description

Gandhi Jayanti is celebrated on October 2 to honour the legendary leader, Mahatma Gandhi. His non-violent ways united millions of people to follow the path of 'Ahimsa' and protest against the evil oppression. Mahatma Gandhi left behind a legacy to inspire people and unify with brotherhood in arms.

October 2 has been announced as a national holiday in India but people across the country and globe celebrate the occasion. Institutions hold activities like essay-writing, art and poetry competitions, and plays to commemorate Gandhi's ideologies once again. Our MBA students celebrated the 150th Birth Anniversary of Mahatma Gandhi.

A skit was performed on Unity in Diversity by the students.

Students Participated

Sr. No.	Name of Students
1	Bhagyashree Jagtap
2	Shubham Mistri
3	Manik Mahajan
4	Bhushan Koli
5	Yogesh Khandale
6	Aditya Patil
7	Yash kolhe
8	Harshal bhalerao
9	Vipul Joshi
10	Jayesh patil
11	Hemant parmar
12	Anhishhek Vispute
13	Akshay Patil
14	Devendra Wani
15	Sagar patil



Total No. of Students Beneficiary Presents:

MBA I Students	MBA II Students
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Ms. Faroza A. Kazi
(Event Coordinator)

❖ Enclosure:

- ✓ Attendance Report
- ✓ Feedback from Students
- ✓ Photo

Organizer: MBA Students Association

**Traditional Day Competition on “Non Violence Theme”
tribute to 150th Birth Anniversary of
Mahatma Gandhi Dated 1st Oct. 2019**



Organizer: MBA Students Association (MBASA)

SSBT's College of Engineering and Technology, Bambhori

Student Development Department

A brief report on Clean Campus Activity

Date and Venue: 02/10/2021, College Campus

Aim/ Purpose: Celebrate birth anniversary of Mahatma Gandhi and Clean Campus Activity

Objective:

- To encourage students to keep environment clean.
- To educate students to create awareness amongst public.
- To make students understand the importance of environment and its problem areas.

Description about program:

Clean Campus Activity conducted by Student Development Department. Under Social Entrepreneurship, Swachta & Rural Engagement Cell (SESREC) Campus activity was conducted on 2nd October 2020 in college campus with presence of Vice Principal and faculty members. During this activity faculty members which are residing in college campus were present. They had cleaned the campus. 21 faculty members were present.

Outcomes:

- Awareness is created about the hazards that are spoiling the environment.
- Students and teachers realize their individual responsibilities to save the environment.

Photos:



Clean Campus Activity conducted by Student Development Department. Under Social Entrepreneurship, Swatchta & Rural Engagement Cell (SESREC) Campus activity was conducted on 2th October 2020 in college campus with presence of Vice Principal and faculty members. During this activity faculty members which are residing in college campus were present. They had cleaned the campus. 21 faculty members were present.



Constitution Day

SSBT's College of Engineering and Technology, Bambhori
Student Development Department and Cultural Committee and NSS Unit

A brief report on Guest lecture on occasion of Constitution Day

Date and Venue: 26/11/2020, Zoom Online platform

Aim/ Purpose: To commemorate the adoption of the Constitution of India.

Objective:

This guest lecture were to give information about important articles of Constitution of India and use of its for every citizen also to create awareness amongst student regarding the rights they posses by birth.

Description about program:

Constitution Day, also known as Samvidhan Divas was celebrated on 26 November to commemorate the adoption of the Constitution of India. In view of that college organized the online guest lecture of Adv. Suraj Chaudhri, he highlighted important articles and its role for citizens of India. Dr. K. S. Wani (Principal) wear garland to the photo frame of Dr. Babasaheb Ambedkar with Mr. V. S. Pawar (Co-ordinantor NSS) , Mr. M. V. Rawlani (Chairman Cultural Committe), Mr. R. R. Patil (OS) etc.

Outcome:

Students were able to understand important articles of Constitution of India.

Photos:



Youth Day

SSBT's College of Engineering and Technology, Bambhori
Student Development Department and Cultural Committee
A brief report on National Youth Day Virtual Posters presentation

Date and Venue: 12/01/2021, MBA Seminar Hall and for poster online platform

Aim/ Purpose: To commemorate the work done by Swami Vivekanand and take inspiration from his ideals.

Objective: The main objective is to promote rational thinking among the youth, believed to be the future of the country. It expected of the youth to rise to the occasion, fight for the right and channel their inner energies, just like Swami Vivekananda would have.

Description about program:

The birth anniversary of great Indian youth icon, Swami Vivekanand is celebrated every year on 12nd January as National Youth Day. To commemorate the work done by Swami Vivekanand and take inspiration from his ideals college has organize Virtual Posters presentation. Poster competitions raise awareness of issues and participation programs. Posters provide visual, colourful, simple ways to communicate community issues and events, and are suitable for display in community spaces. Students submitted their poster through online mode. Sample of one of participants is shown below. Dr. K. S. Wani (Principal) wear garland to the photo frame of Sami Vivekanand and express few words that Swami Vivekananda was a great person who always believed in the youth power to lead and nourish the historical culture of the country.

Outcome: Students search information over internet, by reading books and shown hidden skills to create posters on life of Swami Vivekanand.

Photos



Voter's Awareness Program

Brief Report

Topic: Voters Awareness Program

Date: 14/10/2019

Name of Speaker: Hon. Rupak Kr. IAS

No. of Participants: 133

Venue: AC Seminar Hall



Blood Donation Camp

Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO. 94, JALGAON – 425001. (M.S.)

Brief Report on
E&TC Department ETESA Activity (2018-19)
Blood Donation Camp

Date and Venue / Location: 15 March 2019 at Sports Complex Yoga Hall

Aim / Purpose: The purpose to organize a blood donation camp is to motivate students and staff to donate blood and social works.

Objectives:

1. To raise awareness that individuals can save lives and improve the health of others by donating blood.
2. It was an effort to encourage students to come forward and donate for this noble cause and to make aware about blood and its benefits.
3. To support the operation of safe and reliable blood services.
4. To help anyone, in case of any requirement for blood.

Participant's Profile: All Students and Staff of SSBT COET Bambhori, Jalgaon.

Description about the Program:

A Blood Donation Camp "UMANG" was organized by E&TC Department, Electronics and Telecommunication Engineering Students Association (ETESA) on 15 March 2019 in the college in association with Red Cross Society Jalgaon and Government Medical College (Civil Hospital) Jalgaon from 10:00 AM to 5:00 PM. The Camp was inaugurated by Dr. K. S. Wani Principal, SSBT COET along with Dr. S. R. Suralkar and Dr. S. P. Shekawat. The Principal addressed the gathering and explained the importance of blood donation. The camp commences from the blood donation of the Prof. S.R. Suralkar after these students, teaching & non teaching staff members have donated the blood. Dr. Parsanakumar Redasani Vice-Chairman of Jalgaon Red Cross Society visited the camp and shared importance of blood donation and appreciated the students contribution towards society and efforts of ETESA and college.

Our College has been regularly organizing blood donation camp every year and students and the faculty members come forward voluntarily to donate blood. This year for the event we got very fabulous response from all including staff and Students. Total more than 151 units of blood was donated by both students and the staff members of our college. The noble cause of blood donation was successfully carried out by the Institute and the collected blood units was handover to Red Cross Society and Government Civil Hospital. In the camp Medical Officers of blood bank and team of Technical Supervisors and Nursing Staff have given their positive support and help in organizing the blood camp. Mr. A. C. Wani, ETESA faculty advisor coordinated this event. The students coordinators Dhiraj Pawar, Mayuri Sapkale, Kunal Patil, Chaitali Bhirud and other volunteers taken efforts to make this event successful.

Feedback & Analysis: The oral feedback from the participants is taken in which they realize that blood donation service is the best social service to humanity. They also appreciated the efforts taken by organizers.

Outcomes:

1. Organization of this blood donation camp has increase the stock of blood units in blood bank which is needed for optimum functioning of the health-care system.
2. Participants understand that it takes just 15 minutes to donate blood, which can bring happiness to someone's life and make a difference in his life.

Recommendations: To organize such programs regularl

Photos:



Inauguration of blood donation camp



Registration Counter



Blood Donation by students



Blood Donation by Staff



Group Photo of organizing committee members.

A handwritten signature in blue ink, appearing to be "A.C. Wani".

Mr. A. C. Wani
ETESA Faculty Advisor
Name & Signature of Coordinator(s)

A handwritten signature in blue ink, appearing to be "S.R. Suralkar".

Dr. S. R. Suralkar
H.O.D.

Head
Electronics & Telecommunication Engg. Department
SSBT's College of Engineering & Technology
Bambhori, Jalgaon - 425001 (M.S.)

लोकमत



एसएसबीटी अभियांत्रिकी महाविद्यालयात आयोजित रक्तदान शिबिरात रक्तदान करताना विद्यार्थी. सोबत मान्यवर.

२०१७ रक्त बाटल्यांचे संकलन

एसएसबीटी कॉलेज : रक्तदान महाकुंभचे आयोजन

लोकमत न्यूज नेटवर्क

जळगाव : एसएसबीटी अभियांत्रिकी महाविद्यालयात इलेक्ट्रॉनिक्स अँड टेलिकॉम्युनिकेशन विभागातर्फे (इटेसा) रक्तदान महाकुंभचे आयोजन करण्यात आले होते. या रक्तदान शिबिरात २०१७ रक्त बाटल्यांचे संकलन करण्यात आले. शिबिरात शोकडो विद्यार्थ्यांनी स्वेच्छेने रक्तदान शिबिरात सहभाग घेतला.

शिबिराचे उद्घाटन प्राचार्य डॉ.के.एस.वाणी यांच्या हस्ते करण्यात

आले.

यावेळी रक्तदान महाकुंभचे आयोजक डॉ. एस.आर.सुरळकर, इटेसा समन्वयक प्रा.अमोल वाणी, प्रा.सुनील खोडे, प्रा.एन.एम.काझी, प्रा. एस.पी.रामटेके, डॉ. पंकज झोपे, प्रा.अतुल करोडे, प्रा.योगेश संतवाणी आदी उपस्थित होते.यशस्वितेसाठी विद्यार्थी धीरज पवार, कुणाल पाटील, मयूरी सपकाळे, निकिता पाटील, करिष्मा फेगडे, चेताली पिरुड, वैष्णवी थोरसे, हेतल पाटील, नेहा पाटील, विपूल चौधरी यांचे सहकार्य लाभले.

तसेच प्रा. मयूरी देशमुख, प्रा. प्रियांक शानभाग यांचे लाभले.

रक्तदानाचा उत्साह वाढविण्यासाठी इंडियन रेडक्रॉसचे डॉ प्रसन्नकुमार रेदासनी यांनी भेट देऊन मार्गदर्शन केले. रक्तदान महाकुंभ या उपक्रमाचे रेडक्रॉस सोसायटी व शासकीय मेडिकल कॉलेज, यांच्य संयुक्त विद्यमाने आयोजन करण्यात आले होते.

सूत्रसंचालन प्रा. अमोल वाणी यांनी तर आभार प्रा. एन. एम. काझी यांनी मानले.

Environmental and Sustainability:

Environmental studies



॥ अंतस परवृ ज्ञानन्यात ॥

कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

अभ्यास मंडळ विभाग

जा.क्र. : उमवि/२१/Environmental Studies/८२७/२०१८

दिनांक:- २२/११/२०१८

प्रति,

क.ब.चौ.उमविशीं संलग्न सर्व महाविद्यालयांचे मा.प्राचार्य
व मान्यता प्राप्त परिसंस्थांचे मा. संचालक आणि
मा.विभाग प्रमुख विद्यापीठ शैक्षणिक प्रशाळा / विभाग यांना...

विषय :- Environmental Studies या विषयाचे अभ्यासक्रमा संदर्भात.

महोदय / महोदया,

उपरोक्त विषयांस अनुसरून आपणांस कळविण्यात येते की, मा.सर्वोच्च न्यायालयाचे निर्णयानुसार पर्यावरण संतुलन राखण्यासाठी प्रथम वर्षास प्रवेशित विद्यार्थ्यांसाठी सहा महिन्यांचा पर्यावरणशास्त्र विषयाचा अभ्यासक्रम जून, २००४ पासून सर्व विद्याशाखांमध्ये समाविष्ट करण्यात आलेला आहे.

शैक्षणिक वर्ष २०१८-१९ पासून प्रथम वर्ष कला विज्ञान व वाणिज्य वर्गांना Choice Based Credit System लागू करण्यात आलेली असल्याने Environmental Studies या विषयाचा अभ्यासक्रम Ability Enhancement Course अंतर्गत Choice Based Credit System प्रमाणे तयार करणेसाठी नियुक्त समितीच्या सभेत Environmental Studies विषयाच्या गुणांची विभागणी (Marks Pattern) देखील ६०:४० प्रमाणे करण्यात यावी, व गुणांकन (Marks Pattern) पुढील प्रमाणे करण्यात यावे, असे ठरले आहे.

लेखी परीक्षा (Theory)

६० गुण

अंतर्गत (Internal) परीक्षा फिल्ड वर्क / व्हायवा

४० गुण

एकूण १०० गुण

अंतर्गत ४० गुणांची विभागणी पुढील प्रमाणे करण्यात यावी.

उपस्थिती (Attendance)	०५ गुण
वर्तणूक (Behaviour)	०५ गुण
व्हायवा (Viva-voce)	१० गुण
फिल्ड वर्क (Report of field Work)	२० गुण
	४० गुण

त्याअनुषंगाने Environmental Studies या विषयाचा अभ्यासक्रम विद्यापीठ अनुदान आयोगाने दिलेला असून तो जसाचे तसा लागू करण्यात आलेला असल्याने अभ्यासक्रमात बदल न करता अभ्यासक्रम तोच ठेवण्यात आला आहे. सदरचा अभ्यासक्रम उमविच्या संकेत स्थळावर अपलोड करण्यात आला आहे. तरी वरील आशय सर्व संबंधित प्राध्यापक व विद्यार्थी यांचे निदर्शनास आणून देवून पुढील योग्य ती कार्यवाही करून विद्यापीठास सहकार्य करावे, ही विनंती.

म.कळावे,

आपला विश्वासू,


(ए.स.मनो)

उपकुलसचिव

अभ्यास मंडळ विभाग

☎ : (११) ०२५७-२२५७२९४, २९७
फॅक्स : (११) ०२५७-२२५८४०६

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CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES
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Vision

The importance of environmental science and environmental studies cannot be disputed. The need for sustainable development is a key to the future of mankind. Continuing problems of pollution, loss of forest, solid waste disposal, degradation of environment, issues like economic productivity and national security, Global warming, the depletion of ozone layer and loss of biodiversity have made everyone aware of environmental issues. The United Nations Conference on Environment and Development held in Rio de Janeiro in 1992 and world Summit on Sustainable Development at Johannesburg in 2002 have drawn the attention of people around the globe to the deteriorating condition of our environment. It is clear that no citizen of the earth can afford to be ignorant of environment issues. Environmental management has captured the attention of health care managers. Managing environmental hazards has become very important.

Human beings have been interested in ecology since the beginning of civilization. Even our ancient scriptures have emphasized about practices and values of environmental conservation. It is now even more critical than ever before for mankind as a whole to have a clear understanding of environmental concerns and to follow sustainable development practices.

India is rich in biodiversity which provides various resources for people. It is also basis for biotechnology.

Only about 1.7 million living organisms have been described and named globally. Still many more remain to be identified and described. Attempts are made to

conserve them in ex-situ and in-situ situations. Intellectual property rights (IPRs) have become important in a biodiversity-rich country like India to protect microbes, plants and animals that have useful genetic properties. Destruction of habitats, over-use of energy resource and environmental pollution have been found to be responsible for the loss of a large number of life-forms. It is feared that a large proportion of life on earth may get wiped out in the near future.

In spite of the deteriorating status of the environment, study of environment have so far not received adequate attention in our academic programmes. Recognizing this, the Hon'ble Supreme Court directed the UGC to introduce a basic course on environment at every level in college education. Accordingly, the matter was considered by UGC and it was decided that a six months compulsory core module course in environmental studies may be prepared and compulsorily implemented in all the University/Colleges of India.

The experts committee appointed by the UGC has looked into all the pertinent questions, issues and other relevant matters. This was followed by framing of the core module syllabus for environmental studies for undergraduate courses of all branches of Higher Education. We are deeply conscious that there are bound to be gaps between the ideal and real. Genuine endeavour is required to minimize the gaps by intellectual and material inputs. The success of this course will depend on the initiative and drive of the teachers and the receptive students.

SYLLABUS

Unit 1 : Multidisciplinary nature of environmental studies

Definition, scope and importance

(2 lectures)

Need for public awareness.



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7.1.3 Environmental Consciousness and Sustainability alternate energy initiatives.

Energy conservation refers to efforts made to reduce energy consumption. Energy conservation can be achieved through increased efficient energy use in conjunction with decreased energy consumption. Energy conservation can result in increased financial capital, environmental quality, energy security.

Electrical energy conservation is an important element of energy policy. Energy conservation reduces the energy consumption and energy demand per capita and thus offsets some of the growth in energy supply needed to keep up with population growth. By reducing emissions, energy conservation is an important part of lessening climate change. Energy conservation facilitates the replacement of non-renewable resources with renewable energy. Energy conservation is often the most economical solution to energy shortages and is a more environmentally being alternative to increased energy production.

Thus fundamental goal of energy conservation is: *"The judicious and effective use of energy without loss of quantity, quality and comfort to enhance competitive positions"*

Energy Conservation benefits to customer, utility and society. The Energy Conservation is a social issue and answerable to next generation.

The college has framed the energy conservation strategy as

- A) Immediate-Term strategy:** Demand side management, Power Factor Management and Optimum utilization of existing assets
- B) Medium-Term strategy:** Replacement of inefficient electrical Gagged by Energy Efficient BEE mark electrical Gagged
- C) Long-Term Strategy :** Captive Power Generation by Renewable Energy Source.

The college has adopted systematic approach for energy conservation. It is long and continuous activity. Steps and actions are listed as below to reach the target of energy conservation:

1. Demand Side Management.
2. Power factor Management.
3. Use Solar Water at Hostels.
4. Replacement of Fluorescent Tube Fitting by LED Tube Fitting and LED light fitting in new and renovated areas.
5. Replacement of Individual water pump by single over head water tank.
6. Purchase of Energy efficient BEE marked Star Rating ceiling fans.
7. Purchase of Energy efficient BEE marked Star Rating Air Conditioners.

Electric Tariff:

The college comes under Commercial Consumer (HT-II Commercial) category and applicable electric tariff is Public Service-Other.

CURRENT CONSUMPTION DETAILS							
Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	KVA (MD)	
Current 31-03-2019	180961.000	163234.500	19191.500	7034.000	50.340	50.440	
Previous 28-02-2019	148000.000	148142.500	18034.000	6942.500			
Difference	14961.000	15092.000	1157.500	91.500			
Multiplying Factor	3.0000	3.0000	3.0000	3.0000	3.000	3.0000	
Consumption	44883.000	46278.000	3472.500	274.500	151.020	151.320	
LT Metering	0.000	0.000	0.000	0.000	0.000	0.000	
Adjustment -Solar Units	-137.000	0.000	0.000	0.000			
Assessed Consump	0.000	0.000	0.000	0.000		0.000	
Total Consumption	44746.000	46278.000	3473.000	275.000	151.000	151.000	
BILLING DETAILS							
Billed Demand (KVA) 151 @ Rs.						350	Demand Charges 52,850.00
Assessed P.F. Avg. P.F.						.997	Wheeling Charge @ 0.78 Rs/U 34,901.88
Billed P.F. .997 L.F.						20	Energy Charges 4,31,798.90
Consumption Type	Units	Rate	Charges Rs.		TOD Tariff EC -8,483.20		
Industrial	0	9.85	0.00		FAC @ 76 Ps/U 34,006.96		
Residential	0	5.73	0.00		Electricity Duty 1,14,886.65		
Commercial	44,746	9.85	431798.90		Other Charges 0.00		
E.D. on (Rs.)	Rate %	Amount Rs.		Tax on Sale @ 18 Ps/U 8,054.28			
	9.3			P.F. Penal Charges/P.F. Inc. -19,147.61			
	16			Charges For Excess Demand 0.00			
5,47,074.54	21	114886.65		0.00			
TOD Zone	Rate	Units	Demand	Charges Rs.	Debit Bill Adjustment 0.00		
0000 Hrs-0600 Hrs & 2200 Hrs-2400 Hrs	-1.50	14,891	142.00	- 22,486.50	TOTAL CURRENT BILL 6,50,866.88		
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	0.00	14,489	151.00	0.00	Current Interest 31/03/2019 0.00		
0900 Hrs - 1200 Hrs	0.80	2,631	66.00	2,104.80	Principle Arrears -4,812.65		
1800 Hrs-2200 Hrs	1.10	12,635	148.00	13,898.50	Interest Arrears 0.00		
Amount in Words				SIX LAKH FORTY-SIX THOUSAND FIFTY ONLY		Total Bill (Rounded) Rs. 6,46,050.00	
						Delayed Payment Charges Rs. 8,135.84	
						Amount Payable After 18-04-2019	
						Amount Rounded to Nearest Rs.(10 ⁻²) 654190	

3. Use Solar Water at Hostels.

In view of Energy Conservation college had installed Solar Water Heater in hostels. The total capacity of Solar Water Heater is 19500LPD (Litter per Day) This action had reduced 60kW connected load. The Details are as follows.

Sr. N	Location	Capacity LPD (Litter per Day)
1	Boys' Hostel No. 1	6000 LPD
2	Boys' Hostel No. 1	6000 LPD
3	Girls' Hostel	6000 LPD
4	Professor Quarter	1500 LPD
	Total Capacity	19500 LPD
	Energy conserved	60X4= 240 units per day
	Saving in Rs	Rs 68,256/- per Month



Fig . No. 1 Solar Water Heater at Hostels' Rooftop



Fig . No.2 Solar Water Heater at Hostels' Rooftop

4. Replacement of Fluorescent Tube Fitting by LED Tube Fitting and LED light fitting in new and renovated areas

Use of Energy Efficient electrical appliances is best practices in energy conservation. The college initiated and implementation of voluntarily retirements of inefficient electrical gazettes like lighting fixtures, fans , ACs pumps. All new establishment and renovation areas are equipped BEE marked star rating LED Lights, Fans and ACs .

Replacement of Existing Fluorescent and HPMV lights by LED Lights are shown below.

Sr. No	Location	Old Installation			New Installation			% Saving
		Existing Light	Qty. in No.	Load kW	Replaced by LED Light	Qty In No.	Load kW	
1	College Main Building Labs	36 W Light + 14Watt chock	100.	5kW	28Wtt T-5 Tube fitting	100	2.8kW	44%
2	College Main Building Class Rooms	36 W Light + 14Watt chock	500	25kW	22 Watt LED Tube Light	500	11kW	56%
3	Computer Centre and Labs	36 W Light + 14Watt chock	40	2kW	15 Watt LED Light	76	1.1kW	45%
4	Out Door Street light	150 Watt HPMV	36	5.4kW	48 Watt LED Street Light	36	1.73k W	68%
5	Pay ground	400W	6	2.4kW	70W LED	10	0.7kW	70%
Total Load				39.8 kW	Total Load		16.6 kW	
Average Percentage Energy Conservation								56.6%

Energy Conserved per day	23.kW X 8 Hrs	185.6 kWh (Units)
Saving in Rs per month	185.6X9.48X30	Rs 52,785/-

Documents of LED Lights

Purchase orders and bills for LED Lights



Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO. 94, JALGAON - 425001 (M.S.)
Included under section 2 (f) & 12 (B) of the UGC Act, 1956
Grade B++ (2.91) NAAC Accredited

Website- www.ssoetjalgaon.ac.in

Email: sscoetjal@gmail.com

Principal: Dr. K.S.Wani

M. Tech., DBM, Ph.D.

BY HAND

Phone No. (0257) 2258393

Fax No. (0257) 2258392

Ref. No. COET/SE/1506/11/19

Date: 09 NOV 2019

PURCHASE ORDER

To

Lucky Light House
Near Old Bus Stand
Jalgaon.

Subject :- Purchase order of 22 Watt LED Tube Light Fitting

Dear Sir,

With reference to your quotation, I convey to you that the goods mentioned below along with their specifications, rates, quantity, specific, general terms and conditions are ordered for purchase in college.

Please supply them within stipulated time frame and along with the copy of packing list, along with guarantee cards your bill in triplicate for needful. For any other clarification regarding this purchase order you may contact the concerned department through undersigned.

Sr. No.	Items	Qty	Net Rate Rs.	GST	Amount in Rs
1	22 Watt LED Tube Light Fitting Complete Syska Make. (Day Warm:40No. Bright White: 160No)	100 No.	259.00	12%	29000.00
TOTAL					29000.00

In wards: Rupees Twenty nine thousand only.

General terms & conditions

1. Payment will be made as per actual quantity and bill certification.
2. Delivery within 8 Days from date of PO.
3. Warranty : Two year from date of invoice or as per company.

Thanking you.

Yours faithfully,


Principal
PRINCIPAL

SSBT's College of Engineering & Technology
Bambhori, Jalgaon-425001 (M.S.)

Copy to :- 1) Account. 2) Store 3) Site Engineer (Electrical)

UG Programs - Engineering: Bio-Technology, Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Information Technology, Mechanical
PG Programs - Engineering: Computer, Electrical
- Management: MBA



Fig. No.3 Fluorescent Tub Light before Replacement

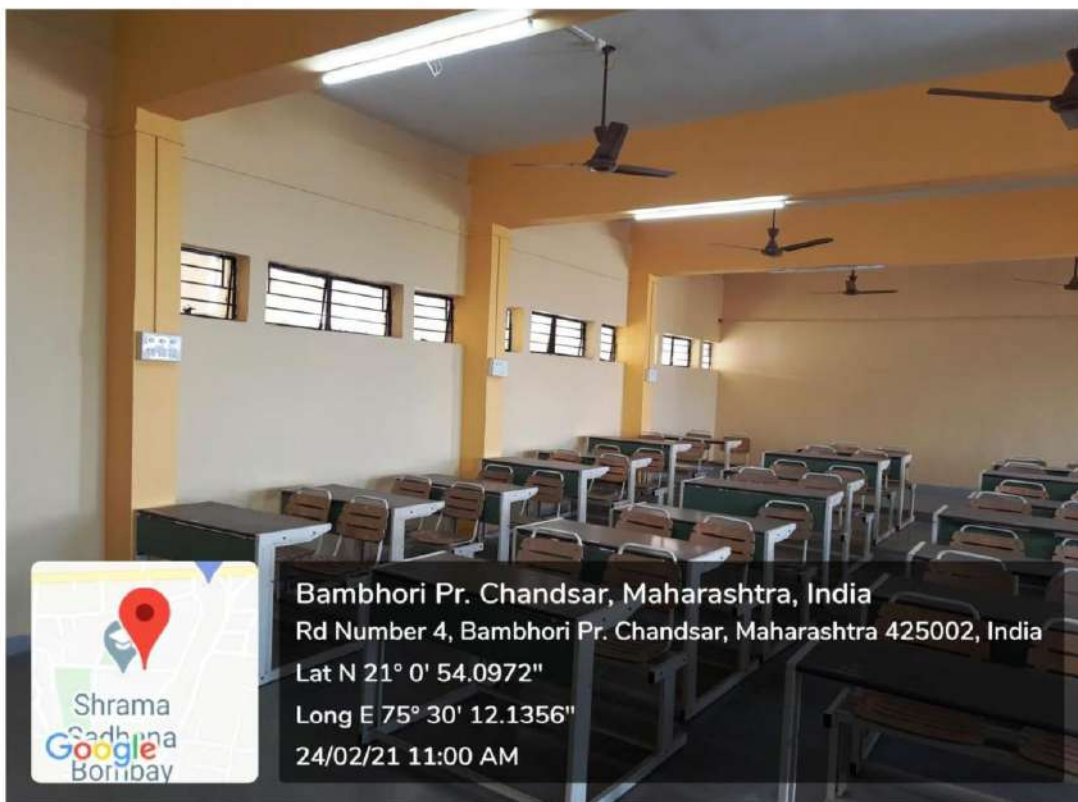


Fig. No.3 Fluorescent Tub Light replaced by LED Tube Fitting



Fig No.5 Renovation with LED Lights

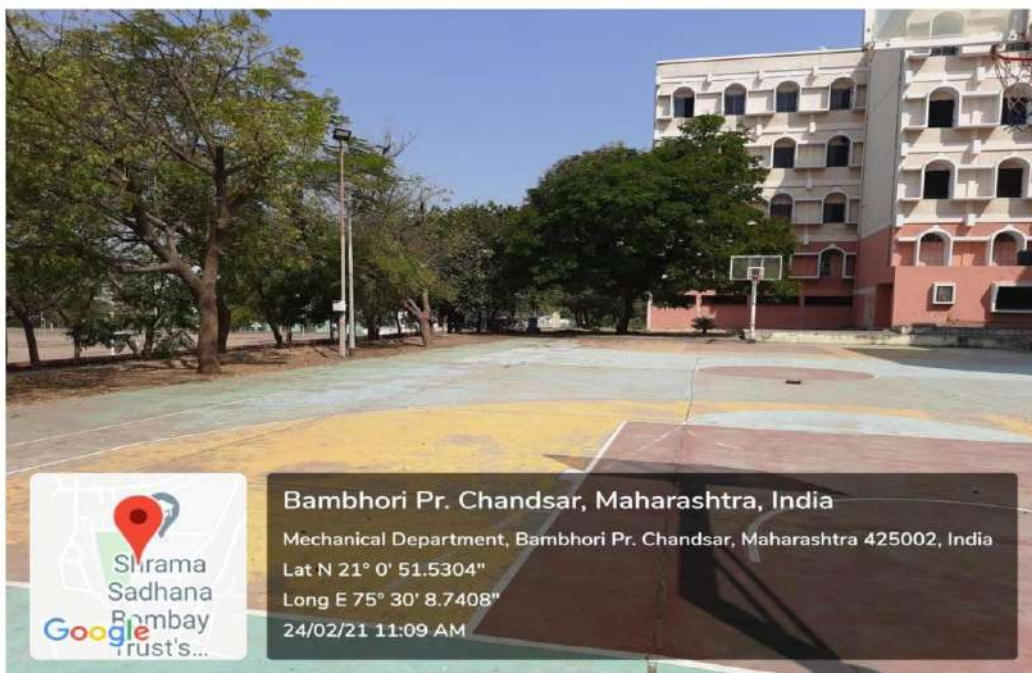


Fig No.6 LED Sport Lights

Nature Club


The club will work with the sole objective of enhancing awareness on environmental protection with people's participation, in house and el fresco.

Nature's friend club constituted with following members:

1. Mr M Husain (CED) coordinator
2. Mr Gaurav Khodpe (Biotechnology)
3. Mr Mukherjee (Mechanical)
4. Mr V M More (Care taker)
5. Mr R M Nehte (Senior Helper)
6. Students members (Volunteers)

The club will organize following activities minimum:

1. Environmental awareness lecture by in house faculty, once in a year.
2. Environmental awareness lecture by in eminent external faculty, once in a year.
3. Celebrating vehicle pool day.
4. Dust bin illumination contest
5. Tree plantation.
6. Water harvesting


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Bambhori, Jalgaon (M.S.)





**Shrama Sadhana Bombay Trust's
College of Engineering & Technology**
Bambhori, Jalgaon, Maharashtra (M.S.) India
www.sscoetjalgaon.ac.in



Nature's Friend Club

Join Hand in Hand To Protect Mother Nature

NO VEHICLE DAY

Tuesday, 17th Sept. 2019





अपना SSBT का विचार
वाहन मुक्त मंगलवार





आपल्याला माहित असेल की, आपल्या महाविद्यालयाने **Nature's Friend Club** स्थापन केलेला आहे. पर्यावरणाचे संवर्धन झाले पाहिजे असे आपल्या सर्वांना वाटते व ते प्रत्यक्षात साकारण्यासाठी या क्लबच्या माध्यमातून विविध उपक्रम व कार्यक्रम आपण आयोजित करणार आहोत. त्यातील एक म्हणजे **No Vehicle Day**, याच महिन्यात दि. 17 सप्टेंबर 2019 रोजी **No Vehicle Day** आयोजित केलेला आहे.

No Vehicle Day चे फायदे

1. इंधन बचत होईल.
2. वाहनांची संख्या कमी झाल्याने प्रदुषण कमी होईल.
3. पैसे वाचतील.

दि. 17 सप्टेंबर 2019 ला महाविद्यालयात कसे याल ?

आपण येतांना कोणत्याही सार्वजनिक प्रवासी वाहनाने यावे. आपले व्यक्तिगत वाहन आणू नये. या उपक्रमात सहभागी व्हावे ही विनंती.

प्रा.डॉ. एम.हुसैन 9765834253	प्रा.डॉ. गौरव खोडपे 7588687299	विराज भामरे 8928652194	पराग सुतारे 9370526069
अनुप पाटील 8788501937	संकेत सोनवणे 9730043070	शुभम शुक्ला 8600816610	दिपक धनगर 8551952552

From

Head Civil Engineering

To

The Principal

Sub: Visit of students of BE Civil, change in schedule.

Date: September 30THTH, 2019.

Ref no.: COET/CIVIL/ 27.8

Permitted.
K
30.9.19

Respected Sir,

The permission to take the BE students to HirveBazar has been taken vide letter no. COET/CIVIL/ 267. However, considering the various activities on the occasion of Gandhi Jayanthi, in our college, the students have requested to reschedule the visit by shifting it forward by 2 days. That is the visit will start on the eve of October 3RD and will be back on the morning of October 5TH. Kindly permit for the change in schedule.

Thank you.

Yours,

M Husain

SSBT's College of Engineering and Technology, Bambhori, Jalgaon

Civil Engineering Department

Report of Event

Visit to Hirve Bazar 2018_19

The Government has loudly embarked on the issue of smart cities. However India is a country with village. There are some social workers who have developed some smart village. These villages are also known as Model Villages. On such village is near Ahmad Nagar District, called as Hirve Bazar. Earlier it was dry village with scarcity of water, poor agriculture and poor economics. Mr Popat Rao Pawar, a social worker brought a revolutionary change in the village. He could effectively bring together the Gram Panchayat, Irrigation Department and Forest department. He could also create an awareness in the voillage in this regard. He did water harvesting and transformed the village into a lush green and rich village. Today villagers are happy, prosperous and free of crime.

Prof S L Patil took the final year students for a visit to the Hirve Bazar village. Mr Pawar and his colleagues effectively explained them the concept of model village. Then students had a visit of the village.

Students learnt the concept of model village practically and it was a memorable visit for them.



Head, Civil Engineering
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47	JIVRAJANI PRATIK JAYESH
48	JAWARE SHUBHAM RAJU
49	JANGID YOGESH SHANKAR
50	JAGTAP SAYALI SURESH
51	JADHAV YASHIKA PRALHAD
52	JADHAV JAIRAJ NITINRAO
53	NIRE SHIVANI RAVINDRA
54	NELODE DARSHAN DNYANDEO
55	GUJARATHI SHUBHAM NITIN
56	GHUMARE VAISHNAVI BHAUSAHEB
57	GAVIT SHUBHAM TUKARAM
58	GAVALI POONAM KEDU
59	DURGE KEDAR PRASAD
60	DHANGAR GOVINDA SANTOSH
61	DESHMUKH MAYUR SANJAY
62	DESHMUKH DHAVAN KISHOR
63	DESHMUKH AKANKSHA HEMANT
64	CHIMANKARE ABHISHEK RAJU
65	CHAVHAN SHARYU KADUBA
66	CHAVHAN PRATIKSHA TULSHIRAM
67	CHANDAK VINAY FAKIRCHAND
68	BORSE JAGRUTI BHIKAN
69	BORKAR SHUBHAM CHANDRASHEKHAR
70	BOHARI MURTAJA HABIBBHAI
71	BIRHADE SAURABH RAJENDRA
72	BIRHADE AKASH DILIP
73	BHIMJIYANI VIPUL LALITKUMAR
74	BHAVSAR GITANSHU ANIL
75	BHAMARE VIRAJ KISHOR
76	BAWASKAR DNYANESHWAR KADUBA
77	BAWASKAR BHUSHAN ANIL
78	BAVISKAR SHIRISH GULAB
79	BAVISKAR HARESH BALU
80	BARI SHUBHAM DEEPAK
81	BANSODE RAHUL SANJAY
82	BANJARA ARUNA DESHMUKH
83	BAGUL KALPESH PRAKASH
84	BADGUJAR SHITAL SUNIL
85	PATIL MAYUR DADAJI
86	PATIL MAYUR RAJESH
87	PATIL MILIND LAXMAN
88	PATIL NARENDRASING RAGHUNATH
89	PATIL PRATHMESH DINKAR
90	PATIL RAHUL PRAKASH
91	PATIL RAKESH VIJAY
92	PATIL ROHIT KHUSHAL
93	PATIL RUSHIKESH SANJAY

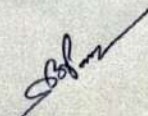

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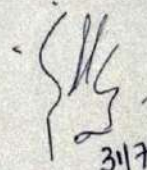
SSBT'S COET BAMBHORI JALGAON
RAINWATER HARVESTING AT COET CAMPUS
REPORT

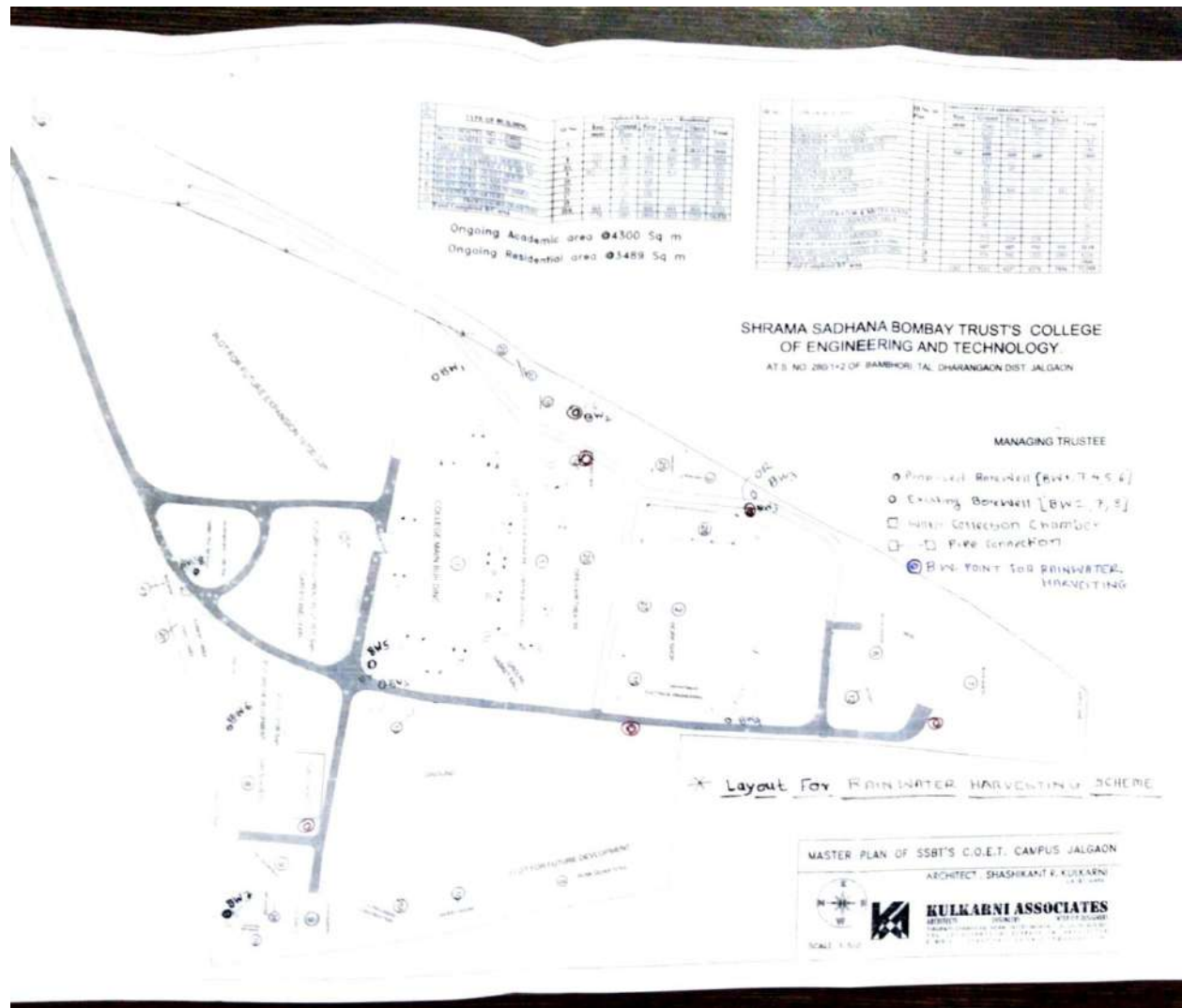
As per permission from the management for Rainwater harvesting at campus, We have provided the bore well point in year 2012 at location (refer the site plan attached) near Mechanical Building, Boys hostel No.2, Electrical department building , Girls hostel building, open theater and servant staff quarter for recharging ground water level.

The total roof top catchment area of the above mention building is 10250sqm & considering average rain fall for this region is 700mm (source From Meterological department, Jalgaon) with this data we have harvested 715000 liters of water each year.

Now, in the campus existing bore -well working well as the ground water level recharged through from above rain water harvesting points.


Site Incharge


31/7/2021
PROFESSOR
DEPT. OF CIVIL ENGG.
COLLEGE OF ENGG. & TECH
POST BOX No. 94
JALGAON 425001 (M.S.)



Harvestable Rainwater quantity Data Sheet.

ZONE	ID NO	Name of BLDG/Location	Catchment Area (CA) m ²	Harvestable R/water in Ltr.
I	①	Main Building-	1576	
			<u>1576 sqm</u>	1103200
II	16	STAFF QTRS CLASS IV	97	
		Sweeper QTRS	81	
	4	Workshop-3 Fitting	251	
	25	Sport Complex Carpentry	219	
	3	Workshop-2 Foundary/smith.	146	
		<u>794 sqm</u>	555800	
III	27	New MBA BLDG.	950	
	28	New Mechanical Bldg	1093	
	2	Workshop Main	702	
	15	Annex W/Shop Elect/IT/MBA	882	
		<u>3627 sqm</u>	2538900	
IV	24	Pump House	50	
	6	Boys Hostel No 1 (OBH)	610	
	12	Canteen	47	
	7	Boys Hostel No 2 (OBH)	1282	
		<u>1989 sqm</u>	1392300	
V	5	Canteen	627	
	10	Staff Qtrs Guest House	136	
	25A	CLASS I Prof. QTRS	464	
	9	Prof QTRS A + B	175	
	9	" " " " A + B	202	
	8	GIRLS Hostel	660	
		<u>2264 sqm</u>	1584800	
		Total	10250 sqm	7175000 Ltr

NOTE:

- ① Harvestable Rainwater quantity is obtained from average Rainfall for Jalgaon city 700mm source from meteorological Dept Jalgaon (com).
- ②: Catchment Area (Terrace Area) of Each Building from Campus Layout plan from Site Engr S. B. Pawar.

