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Criterion 1 – Curricular Aspects

Key Indicator 1.3 Curriculum Enrichment

Metric No. 1.3.1

Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

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Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur- 416 201

Phone : 0231 - 2686623 / 24 / 28 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831

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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

DATE:11/08/2017

NOTICE

All the girl students of **First year engineering** of SETI Panhala are hereby informed that ,meeting of internal complaint committee is arranged on 11th August 2017(Friday) in Room no.101(civil dept.) at 3.15 pm. So gather at room no. 101 without fail.

Chairperson

I.C.C.

Mrs.A.M.Momin

Principal

SETI, ,Panhala

INTERNAL COMPLAINT COMMITTEE

MEETING NO - 1

AGENDA

- 1) Discussion about ICC
- 2) Discussion about how to file complaint against harassment.
- 3) Discussion about their grievances.
- 4) Introduction of all committee members.

INTERNAL COMPLAINT COMMITTEE

DATE: 11/08/2017

MEETING NO - 1

ACADEMIC YEAR: 2017-18

Minutes of Meeting:

1. Discussion about Internal complaint committee.
2. Introduction of all committee members to first year admitted girls.
3. Defining them what is harassment and what is sexual harassment
4. Redressed all grievances of girls
5. Giving lecture on how to file complaint against harassment

Sr no.	ICC Member		Sign
1	Prof.Momin A.M.	Chairperson	
2	Prof.Ghodake S.L.	Member	
3	Prof.S.T.Jadhav	Member	
4	Prof.Smt.Sneha S.Lad	Member-Secretary	
5	Prof.Smt.Na.G.Khan	Member	
6	Prof.Priyanka Gaikwad	Member	
7	Adv.Smt.Shital Bhosale.	Legal Expert	
8	Smt.Deepa Sunil Kashid	NGO Representative	
10	Miss Moni Khopade	Girls Representative	

Name

sign

Naik Rutuja Sanjivao

Rutuja

Mendgule snehal sanjay

Snehal.M

Priyanka Mahesh Patil.

Priyanka

Supriya Panchurang Kokane

SKokane

Pratiksha Balu Gambhire

Gambhire

AKshata Shamrao Patil

APatil

Patil Snehal Mohanrao

Smpatil

Mane Tejal Appaso

Mane

Patil Dnyaneshawei Rajaram

Patil

patil supriya suresh

Patil

Khot Akshata Nagnath

CANKI

Ref.: SETI/ICC/2017/608/1

Date : 13/12/2017

OFFICE ORDER

In continuation of the earlier office order SETI/ICC/2016 dt. 01/02/2016 and subsequent office order dt.27/09/2016; the Internal Complaint Committee is revised as below, with immediate effect. All concerned members are informed to note accordingly.

INTERNAL COMPLAINT COMMITTEE

- | | | |
|--|---|------------------|
| 1) Prof. Smt. A. M. Momin
(Nominated Teacher UG) | - | Chairperson |
| 2) Prof. S. K. Pisal
(Nominated Teacher UG) | - | Member |
| 3) Prof. N.B. Tharkar
(Nominated Teacher II nd Shift Diploma) | - | Member |
| 4) Prof. Smt. Sneha Lad
(Nominated Teacher UG) | - | Member-Secretary |
| 5) Prof. Smt. P. L. Gaikwad
(Nominated Teacher UG) | - | Member |
| 6) Prof. Smt. Na. G. Khan
(Nominated Teacher II nd Shift Diploma) | - | Member |
| 7) Adv. Smt. Shital Bhosale
(Legal Expert, Panhala) | - | Member |
| 8) Smt. Deepa Sunil Kashid
(NGO Representative) | - | Member |
| 9) Ms. Moni Khopade
(Girls Representative S.E.CSE) | - | Member |
| 10) Ms. Namrata Patil
(Girls Representative S.E.Mech) | - | Member |
| 11) Ms. Prachee Ramesh Dinde
(Girls Representative - T.Y. Diploma mech.) | - | Member |



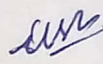

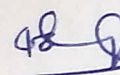

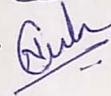
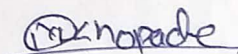

Shubra
PRINCIPAL

Date : 27/09/2016


OFFICE ORDER

In continuation of the earlier office order SETI/ICC/2016, dt. 01/02/2016, the Internal Complaint Committee is reformed as below, with immediate effect. All concerned members are informed to note accordingly.

INTERNAL COMPLAINT COMMITTEE

- | | |
|---|---|
| 1) Prof. Smt. A. M. Momin
(Nominated Teacher UG) | - Convener |
| 2) Prof. S. L. Ghodake
(Nominated Teacher UG) | - Member  |
| 3) Prof. S. T. Jadhav
(II nd Shift Diploma wing) | - Member  |
| 4) Prof. Smt. Sneha Lad
(Nominated Teacher UG) | - Member-Secretary  |
| 5) Prof. Smt. P. L. Gaikwad
(Nominated Teacher UG) | - Member  |
| 6) Prof. Smt. Na. G. Khan
(II nd Shift Diploma wing) | - Member  |
| 7) Adv. Smt. Shital Bhosale
(Legal Expert, Panhala) | - Member |
| 8) Smt. Deepa Sunil Kashid
(NGO Representative) | - Member |
| 9) Ms. Moni Khopade
(Girls Representative S.E.CSE) | - Member  |
| 10) Ms. Pradnya Chougule
(Girls Representative B.E.Civil) | - Member  |
| 11) Ms. Snehal Kashid
(Girls Representative S.Y. Diploma mech.) | - Member |

Copy to : 1) All members
2) extt/office


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DATE:25/07/2016

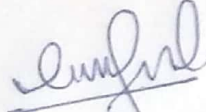
NOTICE

All the girl students of **second year engineering** of SETI Panhala are hereby informed that ,meeting of internal complaint committee is arranged on 25th July 2016(Monday) in Room no.101(civil dept.) at 3.15 pm. So gather at room no. 101 without fail.


Convener

I.C.C.

Mrs.A.M.Momin



Principal

SETI, ,Panhala



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Phone : Dept.: 0231 - 2686613, PBX : 0231 - 2686600, Fax : 0231 - 2686629

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INTERNAL COMPLAINT COMMITTEE

MEETING NO - 1

AGENDA

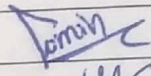
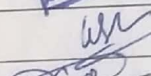
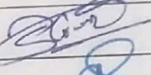
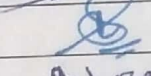
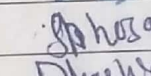
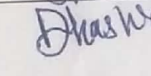
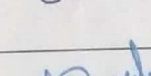

- 1) Discussion on problems related to girls.
- 2) Selection of new members.
- 3) Discussion related any improvement in ICC.

Report of ICC meeting on 25th July 2016

According to the meeting held on 25th July 2016 all girls are decided to make group on What's up media for better communication. We have selected Miss Moni Khopade(S.E.CSE) as our ladies room representative.

Discussion held on the matters related to girls, new provisions for ladies room and common problems which are girls facing in college.

After all discussion we conclude that meeting by finding the solution on their minor problems.

Sr no.	ICC Member		Sign
1	Prof.Momin A.M.	Convener	
2	Prof.Ghodake S.L.	Member	
3	Prof.Priyanka Gaikwad	Member	
4	Prof.S.T.Jadhav	Member	
5	Adv.Smt.Shital Bhosale.	Legal Expert	
6	Smt.Deepa Sunil Kashid	NGO Representative	
7	Miss Pradnya Chougule	Girls Representative	
8	Miss Moni Khopade	Girls Representative	

The girls attendance is attached herewith.

Meeting of ICC - 25/7/16.

Page No.

Date :

Name

class

sign

1)	Pradnya Ravindra Giri	CSE - SE	<u>Pradnya</u>
2)	Ashwini Shivaji Kumbhar	CSE - SE	<u>Ashwini</u>
3)	Priyanka Mahadeo Patil	CSE - SE	<u>Patil</u>
4)	Chougule Mohini Ashok	CSE - SE	<u>Chougule</u>
5)	Gaikwad Komal B	CSE - SE	<u>K</u>
6)	Power Shivani K.	CSE - SE	<u>Power</u>
7)	Patil Asmita Govind	Civil - SE	<u>Patil</u>
8)	Mujawar Taiyaba N.	Civil - SE	<u>Mujawar</u>
9)	Desai Dhanashree A.	E&TC - SE	<u>Desai</u>
10)	Dabhade Gmita S.	E&TC - SE	<u>Dabhade</u>
11)	Kusale Poonam Ramchandra	- - -	<u>Kusale</u>
12)	Mame Pinki Suresh	- - -	<u>Mame</u>
13)	Samudze Ashwini Shivaji	E&TC - SE	<u>Samudze</u>
14)	Kamble Snehal Tanaji	- - -	<u>Kamble</u>
15)	Kamble Mayuri Ashok	- - -	<u>Kamble</u>
16)	Lohar Santoshi Shamarao	E&TC - SE	<u>Lohar</u>
17)	Mohite Shwetlana Krishna	E&TC - SE	<u>Mohite</u>
18)	Mahadik Tejaswree Sandeep	E&TC - SE	<u>Mahadik</u>

OFFICE ORDER

As per the section 4 of Sexual Harassment of Woman at workplace (Prevention, Prohibition and Redressal) Act 2013, the existing Sexual Harassment Prevention Committee formed earlier vide SETI/SHPC/dt 13/07/15; shall **work as INTERNAL COMPLAINT COMMITTEE**. Henceforth this committee shall be called as **INTERNAL COMPLAINT COMMITTEE (ICC)**. All concerned are informed to please note and act accordingly.

INTERNAL COMPLAINT COMMITTEE

Sr. No.	Name	Designation
1.	Prof. Smt. M. R. Kandgaonkar (Nominated Teacher UG)	Convener
2.	Prof. Smt. A. M. Momin (Nominated Teacher UG)	Co-Convener
3.	Prof. S. L. Ghodake (Nominated Teacher UG)	Member
4.	Prof. Smt. Priyanka Gaikwad (Nominated Teacher UG)	Member
5.	Prof. S. T. Jadhav (Diploma wing)	Member
6.	Smt. P. P. Patole (Diploma wing)	Member
7.	Adv. Smt. Shital Bhosale (Legal Expert, Panhala)	Member
8.	Smt. Deepa sunil Kashid (NGO Representative)	Member
9.	Ms. Rohini S. Dinde (Girls Representative)	Member
10.	Ms. Pradnya Chougule (Girls Representative)	Member
11.	Ms. Supriya Hanmant Patil (Girls Representative, Diploma)	Member

Date : 01/02/2016

Copy to : 1) All Members.

... For further action.


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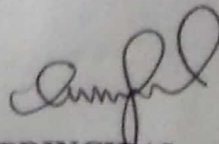
Ref. No. : SETI/SHPC/

Date : 13/07/2015

OFFICE ORDER

In continuation of office order no. SETI/2013/1083A dt. 01/09/2013 the Sexual Harassment Prevention Committee of the Institute is hereby reformed with immediate effect. The tenure of this committee shall be till further orders.

- | | |
|---|-------------|
| 1. Prof. Smt. M. R. Kandgaonkar
(Nominated Teacher UG) | Convener |
| 2. Prof. Smt. A. M. Momin
(Nominated Teacher UG) | Co-Convener |
| 3. Prof. S. L. Ghodake
(Nominated Teacher UG) | Member |
| 4. Prof. Smt. Priyanka Gaikwad
(Nominated Teacher UG) | Member |
| 5. Prof. S. T. Jadhav | Member |
| 6. (IInd Shift Diploma wing) | |
| 7. Smt. P. P. Patole
(IInd Shift Diploma wing) | Member |
| 8. Adv. Smt. Shital Bhosale
(Legal Expert, Panhala) | Member |
| 9. Smt. Deepa sunil Kashid
(NGO Representative) | Member |
| 10. Ms. Rohini S. Dinde
(Girls Representative, BE Mech) | Member |
| 11. Ms. Pradnya Chougule
(Girls Representative TE, Civil) | Member |
| 12. Ms. Supriya Hanmant Patil
(Girls Representative, S. Y. Diploma Electrical) | Member |


PRINCIPAL

Copy to : All Members

१. सांजीवन आयोगांतर्गत महाविद्यालय, सोमवार पेठ पन्हाळा येथे नैमिषिक हस्त प्रवेष्टा समितीने जुलै २०१५ मध्ये पुनर्गठन करण्यात आले. सदर समितीच्या अध्यक्षस्थानी प्रा. मनिषा रा. कांडगावकर यांची नियुक्ती करून देली असून इतर सभासदही जावे पुढीलप्रमाणे आहेत.

३. प्रा. मनिषा रा. कांडगावकर (संयोजक) *Kandgaonkar*
४. प्रा. अनारकली ग. मोमीन (उपसंयोजक) *Momin*
५. प्रा. शिवाजी ल. घोडेके (प्रा. प्रतिनिधी) *GHODEKE*
६. प्रा. प्रियंका ल. भायकवाड (प्रा. प्रतिनिधी) *Bhaskar*
७. प्रा. एस. डी. नाथव (प्रा. प्रतिनिधी) *Nathav*
८. श्रीमती वी. वी. पारेले (प्रा. प्रतिनिधी) *Parale*
९. डॉ. श्रीमती शिवल मोसले (कार्यदेतज्ञ) *Mosale*
१०. श्रीमती दिपा रुनिन काशीद (स्वयंसेवी संस्था प्रतिनिधी) *Kashid*
११. कु. रेडिनी दिडे (विद्यार्थिनी प्रतिनिधी) *Rede*
१२. कु. प्रज्ञा रानेद्र चौमुले (— " —) *Ranjane*
१३. कु. रुप्रिया हनुमंत पारील. (— " —) *Paril*



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EN 6315

Ref.No.:SETI/SHPC/

DATE:3/9/2015

NOTICE

All members of Sexual Harassment Prevention Committee are informed that there is a meeting on 10th September 2015.

Time:11 A.M.

Venue: Room no.106

Kandgaonkar

Chairperson

Sexual Harassment

Prevention Committee

Copy to: All Committee Member

विशारवा समिती बैठक क्रमोक्त ११

संजीवन अभियंत्रिकी महाविद्यालय सोमवार पेठ,
पुणेला येथे लेखिके छळ प्रतिबंध समितीची बैठक
दि १० सप्टेंबर २०१५ रोजी घेण्यात आली यावेळी खालील
मान्यवर उपस्थित होते.

- | क्र. | नाव | (संयोजक) | सही |
|------|------------------------------|------------------------------|--------------|
| १) | प्रा. मनिषा कांडगावकर | (संयोजक) | skandgaonkar |
| २) | प्रा. अनारकली मोमीन | (उप-संयोजक) | amin |
| ३) | प्रा. शिवाजी ल. घोडके | (प्राध्यापक प्रतिनिधी) | lsh |
| ४) | प्रा. प्रियंका गायकवाड | (प्राध्यापक प्रतिनिधी) | pryanka |
| ५) | प्रा. रास. टी. जाधव | (प्राध्यापक प्रतिनिधी) | rasa |
| ६) | अॅड. शिंतल भोसले | (कायदेतज्ञ) | shantla |
| ७) | दिवा त्री. दिपा जुनिल काशीद. | (स्वयंसेवी संस्था प्रतिनिधी) | trishita |
| ८) | कु. सुप्रिया हजारे पाटील | (विद्यार्थी प्रतिनिधी) | supriya |
| ९) | मृता रानेंद्र चौकले | (विद्यार्थिनी प्रतिनिधी) | mrta |
- बैठकीचे मुद्दे.

- १) यावेळी खालील विषयावर चर्चा झाली
- २) नवीन तयार केलेल्या समितीतील सभासदांमध्ये सेवाद
साधन्यात आला
- ३) विशारवा समितीचा हेतू आणि उद्दीष्टे स्पष्ट करण्यात
आली.
- ४) विशारवा समितीचा मुख्य कार्यभाग समग्रून घेण्यात
आला.
- ५) येवज्या औद्योगिक वर्गात महिलांसाठी विविध कार्यक्रमांचे
आयोजन करण्यात आले किंवा त्याबद्दल चर्चा केली.
- ६) सदर औद्योगिक सत्रात कुठल्याही विद्यार्थिनी किंवा महिलांचे
कुठल्याही तक्रार नसल्याने या समितीचा कार्यभाग सुल्लीत चालू
आहे.

INTERNAL COMPLAINT COMMITTEE

DATE: 24/04/2015

ANNUAL REPORT OF "INTERNAL COMPLAINT COMMITTEE" YEAR 2014-15

The Internal complaints committee provides protection against sexual harassment of women at workplace and for the prevention and redressal of complaints of sexual harassment and for matters connected therewith.

- Minutes of Meetings: Total 2 meetings**

1. Discussion related to upcoming events
2. Discussion related to Dresscode of girls students
3. Any grievances.

- No. of. Grievances: NIL**

Sr no.	ICC Member		Sign
1	Prof. Smt. S J. Lavate	Chairperson	
2	Prof. Ghodake S.L.	Member	
3	Prof. Priyanka Gaikwad	Member	
4	Prof. Smt. M. R. Kandgaonkar	Member	
5	Adv. Smt. Shital Bhosale.	Legal Expert	
6	Smt. Deepa Sunil Kashid	NGO Representative	
7	Miss Rohini Dinde	Girls Representative	
8	Mr. Vishal Dongale	Boy's Representative	



संजीवन अभियांत्रिकी महाविद्यालय, सोमवार पेठ पन्हाळा येथे
 लेखिक छळ प्रतिबंध समितीची बैठक दि. १४ फेब्रुवारी २०१५ रोजी
 सकाळी ११.०० वा. झाली. यावेळी खालील मान्यवर उपस्थित होते.

क्र.	नाव	सही
१.	प्रा. मनिषा रा. कांडगावकर (अध्यक्षा)	<i>skandgaonkar</i>
२.	प्रा. शिवाजी ल. धोडके (प्राध्यापक प्रतिनिधी)	<i>W</i>
३.	प्रा. प्रियांका ल. गायकवाड (प्राध्यापक प्रतिनिधी)	<i>Pr</i>
४.	अॅड. शितल विष्णू मोसले (कायदेतज्ञ)	<i>शीतल Adv.</i>
५.	सौ. दिपा सुनिल काशिद (स्वयंसेवी संस्था प्रतिनिधी)	<i>Prakashid</i>
६.	कु. रोहिणी शामराव दिंडे (विद्यार्थिनी प्रतिनिधी)	<i>Runde</i>
७.	कु. विशाल केरवा डोंगळे (विद्यार्थी प्रतिनिधी)	<i>Rungark</i>

बैठकीचे मुद्दे :-

यावेळी खालील विषयांवर चर्चा झाली.

१. कॉलेजमधील विद्यार्थिनिंना एकत्र बोलवून विशाखा समितीवद्दल माहिती दिली. तक्रार पेटी वद्दल माहिती दिली.

२. विद्यार्थिनिंना तक्रार संदर्भात माहिती दिली व चर्चा केली.

skandgaonkar
 विशाखा समिती



Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.

Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831

Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com

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DATE: 04/02/2015

NOTICE

All members of Sexual Harassment Prevention Committee are informed that there is a meeting on 14th February, 2015.

Time: 11 A.M.

Venue: Room No. 104

Kandgaonkar

Chairperson

Sexual Harassment

Prevention Committee

Copy to: All Committee Members

विशाखा समिती बैठक क्र. ९

संजीवन अभियांत्रिकी महाविद्यालय, सोमवार पेठ पन्हाळा येथे
लैंगिक छळ प्रतिबंध समितीची बैठक दि. १२ सप्टेंबर २०१८ रोजी सकाळी
११.०० वा. झाली. थावेळी खातीस मान्यवर उपस्थित होते.

क्र.	नाव	सही
१.	प्रा. मनिषा रा. कांडगावकर (अध्यक्षा)	<i>Kandgaonkar</i>
२.	प्रा. शिवाजी ल. घोडके (प्राध्यापक प्रतिनिधी)	<i>W</i>
३.	प्रा. प्रियांका ल. गायकवाड (प्राध्यापक प्रतिनिधी)	<i>K</i>
४.	अॅड. शितल विष्णू मोसले (कायदेतज्ञ)	<i>Shital</i>
५.	सौ. दिपा सुनिल काशिद (स्वयंसेवी संस्था प्रतिनिधी)	<i>Dikshid</i>
६.	पु. रोहिणी शामराव दिंडे (विद्यार्थिनी प्रतिनिधी)	<i>Simple</i>
७.	कु. विशाल केरवा डोंगळे (विद्यार्थी प्रतिनिधी)	<i>Rugale</i>

बैठकीचे मुद्दे :-

थावेळी खातीस विषयांवर चर्चा झाली.

१. ७ मार्च २०१८ रोजी झालेल्या कार्यशाळेमध्ये (Sexual Harassment of women at workplace) Prevention, Prohibition & Redressal Act २०१३) यामध्ये नविन समितीची प्रस्थापना करणेबाबत चर्चा झाली.

२. नविन समिती स्थापनेबाबत विद्यापीठाच्या संकेतस्थळावर अतिशय माहिती अजून उपलब्ध नसल्या कारणाने त्याबद्दल काही चर्चा करण्यात आली नाही.

Kandgaonkar
विशाखा समिती



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Phone : 02328 - 235241, 235493

Fax : 02328 - 235241

Mobile : 9545451966, 9545453831

Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com

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DATE: 04/09/2014

NOTICE

All members of Sexual Harassment Prevention Committee are informed that there is a meeting on 12th September, 2014. .

Time: 11 A.M.

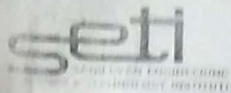
Venue: Room No. 104

Chairperson

Sexual Harassment

Prevention Committee

Copy to: All Committee Members



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Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.

Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451566, 9545453511

Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / sanjeevan@seti.edu.in

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Date: 22-07-2013

NOTICE

All members of sexual harassment prevention committee are informed that there is a meeting on 23rd July, 2013.

Time: 11:00 am

Venue: Room No.106

Chairperson

Sexual Harassment

Prevention Committee

Copy To: All committee members.

(Adv. S. V. Bhosale)

(D. S. Keshid)

(MRK)

विशाखा समिती बैठक क्र. ५

संजीवन अभियांत्रिकी महाविद्यालय, सोमवार पेठ, पन्हाळा येथे
 दैनिक छळ प्रतिबंध समितीची बैठक दि. २३ जुलै, २०१३ रोजी सकाळी
 ११:०० वाजता झाली. प्रा. सुपर्णा लबटे या अध्यक्षस्थानी होत्या.
 थावेकी खालील मान्यवर उपस्थित होते.

क्र.	नाव	सही
१	प्रा. सुपर्णा जयसिंगराव लबटे (अध्यक्षा)	
२	प्रा. शिवाजी ल. घोडके (प्राध्यापक प्रतिनिधी)	
३	सौ. मनिषा रा. कांडगावकर (प्राध्यापक प्रतिनिधी)	
४	कु. प्रियांका ल. गायकबाड (प्राध्यापक प्रतिनिधी)	
५	अॅड. शिंतल विष्णू ओसले (कायदेतज्ञ)	
६	सौ. दीपा सुनिल काशिद (स्वयंसेवी संस्था प्रतिनिधी)	
७	कु. रोहिणी शामराव दिंडे (विद्यार्थिनी प्रतिनिधी)	
८	कु. विशाल केरना उंगळे (विद्यार्थी प्रतिनिधी)	

थावेकी खालील विषयांवर चर्चा झाली.

१) या वर्षी साजरा करण्यात आलेल्या आंतरराष्ट्रीय महिला दिन कार्यक्रमाचा आढावा घेण्यात आला.

२) पुढील वर्षी या कार्यक्रमामध्ये मुलांचाही समावेश करण्याचे ठरले.

३) त्याच कार्यक्रमामध्ये आपण मुलींसाठी कराटे प्रशिक्षण आयोजित करण्याचे ठरले होते पण त्यासाठी मुलींचा योग्य असा प्रतिभाव मिळाला नाही. त्यामुळे ते प्रशिक्षण मुदरीमध्ये घेण्याचे ठरले.

४) थावेकी प्रथम वर्ष मुलींसाठी एक बॅच घेऊन त्यांना समितीची माहिती कळव देण्याचे ठरले.



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NOTICE

Date: 23-09-2013

All F.E. & Direct S.E. Female students are informed to attend meeting in class room 203 at 12:30pm today.

Vishakha Committee Chairperson

(Prof. Lavate Suparna J.)

Copy to all HOD:

Electrical - राधाशिव

EE7C Tannu
23/09/13

CSE Sanu
23-9-13

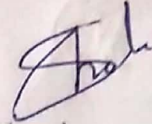
Date: 06-11-2013

NOTICE

All members of sexual harassment prevention committee are informed that there is a meeting on 07th Nov., 2013.

Time: 04:00 pm

Venue: Room No.106

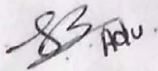


Chairperson

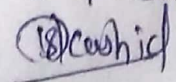
Sexual Harassment

Prevention Committee

Copy To: All committee members.



(Adu. S. V. Bhosale)

(D. S. Kashid)




Sandgavkar
(MR)

विशाखा समिती बैठक क्र. ६

संजीवन आभियांत्रिकी महाविद्यालय, सोमवार पेठ, पन्हाळा येथे बैठक एक प्रतिबंध समितीची बैठक दि. ७ नोव्हेंबर, २०१३ रोजी प्रा. सुपर्णा लवरे यांच्या अध्यक्षतेखाली दुपारी ४:०० वाजता झाली. यावेळी खालील मान्यवर उपस्थित होते.

क्र.	नाव	सही
१	प्रा. सुपर्णा जयसिंगराव लवरे (अध्यक्षा)	
२	प्रा. शिवाजी ल. घोडके (प्राध्यापक प्रतिनिधी)	
३	सौ. मनिषा श. कांडगावकर (प्राध्यापक प्रतिनिधी)	
४	कु. प्रियांका ल. गायकवाड (प्राध्यापक प्रतिनिधी)	
५	अॅड. शिबल विष्णू ओसले (कायदेतज्ञ)	
६	सौ. दीपा सुनिल काशिद (स्वयंसेवी संस्था प्रतिनिधी)	
७	कु. रोहिणी शामराव दिंडे (विद्यार्थिनी प्रतिनिधी)	
८	कु. विशाल केरला डोंगळे (विद्यार्थी प्रतिनिधी)	

यावेळी खालील विषयांवर चर्चा झाली.

१) मागील बैठकीमध्ये ठरल्याप्रमाणे मुलांची एक बैठक झाली त्याचा आढावा घेतला.

२) या बैठकीमध्ये प्रथम वर्षा मधील काही विद्यार्थ्यांबाबत नकार होती. त्या विद्यार्थ्यांना समज देण्यात आली.

३) प्रथम वर्ष विद्यार्थ्यांसाठी 'स्त्री पुरुष समानता' या विषयावर मूळ समउपदेशावर व्याख्यान आयोजित करण्याचे ठरले.

४) व्याख्यानाची तारीख २० नोव्हेंबर ठरली व व्याख्यान प्रसन्नाने कांबळे सरांनी करावे असे ठरले.

५) पुढील सेमीस्टर मध्ये कोणकोणते कार्यक्रम घेता येतील यावर चर्चा झाली.

६) महाविद्यालयाने विद्यार्थ्यांच्या माहितीसाठी कायदेविषयक फलक लावण्याचे ठरले.

विशाखा समिती

Date of Meeting: 22/01/2018

Anti Ragging & Anti Harassment, squad & committee meeting was held on 22/01/2018, Following members were present for the meeting,

- 1) Prof. S.L. Ghodake (i/c principal) — Shukla
- 2) Prof. R.S. Kulkarni — Bhal
- 3) Prof. Ranjeet Ingawale — Prof.
- 4) Prof. N.B. Tharkar — (signed)
- 5) Prof. Nassrin Khan — (Prof)
- 6) Prof. A.P. Dinde — Dinde
- 7) Mr. S.V. Patil — Patil
- 8) Prof. A.S. Sarnalkar — Sarnalk

The following points were discussed & resolved:

- 1) Regular visits at least once in a month are to be conducted to the boys & girls hostel.
- 2) Following types of grievances were raised by the students during the visits
 - a) Repair of doors & windows.
 - b) Repair of furniture
 - c) Quality of food in the mess.
 - d) Cleanliness of the hostel rooms & toilets.
 - e) Scarcity of water.

The instructions were given to hostel warden to look into the matter & resolve the issues as early as possible.

3) During the hostel visit no evidence of any kind of ragging were observed while interacting with students.

4) The issues regarding girls hostel were also discussed & it has been decided to instruct the warden of ladies hostel to look into these matters, which were beyond the

scope of the committee'

- 5) The meeting was concluded in a very healthy environment & was concluded after vote of thanks by R.S. Kulkarni.

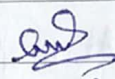



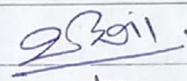
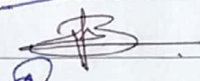

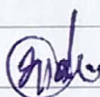
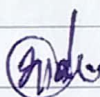
(S. L. Ghodake)

Prof. S.L. Ghodake

[I/c principal]

Date & Meeting 23/08/2017

The meeting of Anti Ragging Squad and Anti Ragging Committee was Held on 23/12/2016. The following Members were present for the meeting.

1. Dr. G-V. Mulgund (Principal). 
2. Prof. R.S. Kulkarni (Chairman, Anti Ragging Squad). 
3. Prof. S.L. Ghodake (Member) 
4. Prof. S.P. Nangare (Member) 
5. Prof. Ranjeet Ingawale (Member) 
6. Mr. D.Z. Pahl (Member) 
7. Mr. Arun Bagade (Member) 
8. Prof. S.T. Jadhav (Member) 
9. Mr. Kapile Bhaskar K. (Hostel) 

The following Points were Discussed.

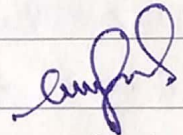
1. Review of Hostel Committee member to Hostel was conducted. The member who conducted the visit are Prof. R.S. Kulkarni, Prof. G.C. Koli and Shri Arun Bagade. the following observations were made during the visit
 - a) cleanliness in the Hostel. Adequate.
 - b) Drinking Water facility is only for one Hostel. all the Hostels needs to be provided drinking Water facility.
 - c) The water facility was adequate.
 - d) The Hot Water facility for the Hostel needs some maintenance, to be carried out on year bookings.
 - e) Medical facility to the hostel residing students should be at minimum / subsidised cost / free of cost.
2. Anti Ragging Boards were displayed at various

Locations in the hostels.

3. In the last academic semester, no evidence of ragging was observed in the Hostel / College premises.

4. The Atmosphere in the Campus was very healthy amongst the students.

Finally the meeting was concluded after vote of thanks by Prof. R. S. Kulkarni.


Dr. G. V. Mulgund
(Principal)

Ref. : SETI/2017/608

Date : 13/12/2017

OFFICE ORDER

As per the regulation for Prevention and Prohibition of Ragging in AICTE approved technical institutions notified vide No. 37-3/Legal/AICTE/2009, dt. 01/07/2009 and subsequent office order issued vide Ref. No. : SETI/2456A/2012, dt : 17/07/2012, the Anti-Ragging Committee and Anti-Ragging Squads have been revised with immediate effect, till further orders. All the members are hereby informed to note the same and look after the activities of the committees as per AICTE guidelines.

ANTI-RAGGING COMMITTEE

1. Principal, SETI, Panhala - Chairman
2. Prof.S.L.Ghodake (Teaching Staff Representative) - CONVENER
3. Mr.Vijay Patil (Civil Admin. Representative) - 9881936937
4. Mr.Devdas D.Varekar (Local Media Representative) - 8007887366
5. Mr.Sunil Kashid (NGO Representative) 9049636506
6. Mr.Sudhir P.Nangare (Teaching Staff Representative)
7. Ms.Nilofer Khan (Teaching Staff Representative)
8. Mr.D.Z.Patil (Non-Teaching Staff Representative)
9. Mr.Vilas M. Patil (Parents' Representative)
10. Mr.Sanjay Sarnaik (Parents' Representative)
11. Mr.P.M.Deshpande (Non-Teaching Staff Representative)
12. Mr.Bhaskar Kambale - Boys Hostel Warden
13. Mrs.Vijaymala S.Chavan - Girls Hostel Warden

ANTI-RAGGING SQUAD

1. Mr.R.S.Kulkarni, (Teaching Staff Representative) **Convener**
2. Mr. Sudhir P.Nangare (Teaching Staff Representative)
3. Mr.Ranjeet Ingavale (Teaching Staff Representative)
4. Ms.A.M.Momin (Teaching Staff Representative)
5. Mr.Arun Bagade (Non-Teaching Staff Representative)
6. Mr.N.B.Tharkar (Diploma Teaching Staff Representative)
7. Mr.Vijay Shrikant Rane (Students Representative - UG)
8. Mr.Baburao Khandurao Bajare (Students Representative - Diploma)
9. Mr.Prajakta Sangar (Girls Students Representative)
10. Mr.Bhaskar Kambale - Boys Hostel Warden
11. Mr.Nitin Patil - Boys Hostel Warden
12. Mrs.Vijaymala S.Chavan - Girls Hostel Warden

Date : 13/12/2017

Copy to :

1. All members
2. Boys Hostel
3. Ladies Hostel




PRINCIPAL

Date of Meeting. 15/06/2016.

Anti Ragging Squad and Anti Ragging Committee meeting was held on 15/06/2016, The following members were present for the meeting.

1. Dr. G. V. Mulgund Principal
2. Prof. R. S. Kulkarni
3. Prof. S. L. Ghodake
4. Mr. D. Z. Patil
5. Prof. S. P. Nangare
6. Prof. Ranjeet Ingawale.
7. Prof. S. T. Jadhav.
8. Mr. Arun Bagade.
9. ~~Aravind~~ Kamble Bhaskar Keshav

The following points were discussed and resolved

1. Regular visits of the committee members were conducted and the review of these visits is taken, in general the following types of grievances were raised by the students during the visits

- a) scarcity of water.
- b) Quality of food in the mess
- c) cleanliness of the hostel rooms and toilets.
- d) repair of doors and windows.
- e) repair of furniture

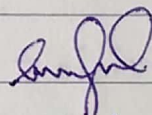
The instructions were given to hostel Warden to look into the matter and resolve the issues as early as possible

2. During these visits a very healthy environment was observed in the hostel, and no evidence of any ragging or such related issues were observed.

3. It has been resolved to take the 'Anti ragging

affidavit' duly signed by the students of all the discipline, at the time of their admission only. This is as per the requirement of Hon Supreme Court and GOI guidelines.

4. The issues regarding Girl's hostel were also discussed and it has been decided to instruct the warden of ladies Hostel to look into these matters, which were beyond the scope of the committee.
5. The meeting was concluded after vote of thanks by prof. R. S. Kulkarni, chairman of the Anti ragging Squad committee.


Dr. G. V. Mulgund.
Principal

Anti Ragging Squad and Committee.

13

Meeting Date. 10/10/2015

A meeting of anti ragging committee and Squad was jointly on 10/10/2015, the following members were present for the meeting.

1. R. S. Kulkarni
2. S. L. Ghodake.
3. S. P. Mangane
4. D. Z. Patil
5. D. S. Patil.
6. A. N. Bagade
7. S. T. Jadhav
8. Dr. G. V. Mulgund
9. R. A. Ingavale
10. Kamble Bhaskar Keshu

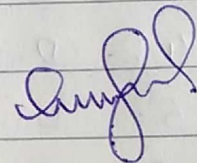
AM
VPS-GR
2/2011
S. P. Mangane
D. Z. Patil
D. S. Patil
A. N. Bagade
S. T. Jadhav
Dr. G. V. Mulgund
R. A. Ingavale
Kamble Bhaskar Keshu

The following Points were resolved in the meeting.

1. The co-opting of New member ~~presi~~ chairman Dr. G. V. Mulgund was done.
2. The review & visit conducted by Anti Ragging Squad on 30/9/2015 was taken, There were no evidences found of ragging in the hostel. The Freshers are staying in a fear free, comfortable and healthy environment in the hostel.
3. It has been decided to conduct the meeting atleast once in a semester for betterment of the students and for ~~the staff~~ and the Institute.
4. The Anti Ragging Sq. Affidavit was collected during the admission of all the students to

their respective classes. as per the VGC circular Dated
9/9/2015.

Finally the meeting was concluded after vote of Thanks
by Prof S.L. Ghodake Convener Anti Ragging Committee



Dr. G.V. Mulgund
Principal


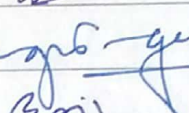
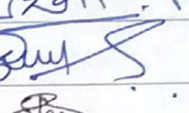
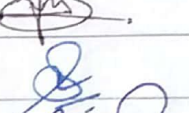
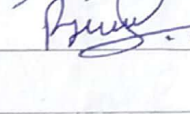
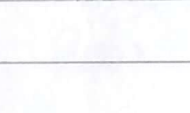
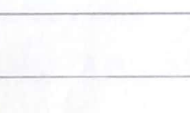
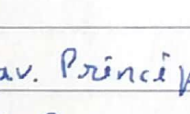
Anti Ragging Squad and Committee.

11

10th Oct 2014

A meeting of Anti Ragging Committee and Anti Ragging Squad was organised on 10th Oct 2014, the following members were present for the meeting.

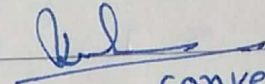
1. R. S. Kulkarni
2. S. L. Ghodake.
3. S. P. Nangare
4. D. Z. Patil
5. D. S. Patil
6. A. N. Bagade
7. S. T. Tadhar.
8. R. A. Ingavale

The Points Resolved are as under:

- 1) It has been decided to Co-opt Prof S.T. Tadhar, Principal Diploma Wing as one of the member of Anti Ragging committee and Squad.
- 2) A routine visit to Hostel campus was already conducted, on 14th Sept 2014, there were no evidences of ragging were found to the Anti Ragging Squad.
- 3) As per the Directives of Supreme Court the undertaking from each and every student was already collected.
- 4) The following parent representative has been co-opted in Anti Ragging Squad Committee.
 - a) Lad Uttam R. 9605823828 in place of Deepak Sarnaik
 - b) Shabbir Sutar 9271383397 in place of Anil Gondkar

5) The meeting was concluded in a very healthy environment and was concluded after vote of thanks by Prof Kulkarni convenor of Anti Ragging Squad.


convenor

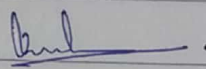
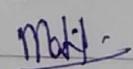
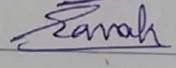
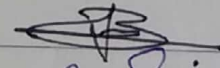
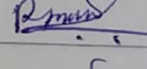
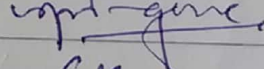
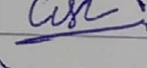
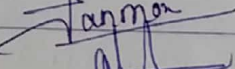
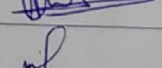

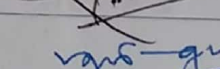

R. S. Kulkarni

Anti Ragging Committee
& Squad.

Anti-Ragging Committee & Squad

30/07/2013

A meeting (Joint) of Anti-Ragging Committee and Anti-Ragging Squad was held on Tuesday, 30/07/13 at 4.00 pm. The following members were present -

- 1) Dr. Vikram S. Patil
- 2) R. S. Kulkarni 
- 3) B.M. Mohite 
- 4) Y.D. Gavalgi 
- 5) A.H. Bagade 
- 6) R.A. Inyavale 
- 7) S.P. Nangare 
- 8) S.L. Ghodale 
- 9) S.V. Varmore 
- 10) Miss. Khan Nilofar G. 
- 11) Mrs. M.R. Kandgaonkar 
- 12) Mr. A.E. Sonkamble 
- 13) Mr. S.P. Nangare 

वरील मान्यपदांच्या उपस्थितीत संस्थेच्या कामकाजास सुरुवात झाली व स्वागतप्रमाणे व्याख्यान झाले.

सन 2013-14 ची प्रवेश प्रक्रिया पूर्ण झाली असून, प्रथम वर्गाचे शै-कामकाज सुरू झाले आहे. परिसरात नवीन विद्यार्थ्यांना ओगटविता येत, त्यात अजून नवे आसलेले सर्व संघटनेबाबत काळजी घ्यावी व वेळोवेळी महाविद्यालयाने विविध स्तरांनी असणाऱ्या विद्यार्थ्यांचा नावर, शैक्षणिक बाबींची माहिती द्यावी. त्यातून सदस्यांना कोणत्या संस्थासमूह बाबत जाणून घ्याव्यात समिती प्रमुख तसेच संचालक प्राचार्यांच्या निदर्शनास आणवी.


प्रमुख

Energy and Environment Engineering

Unit 1

Conventional Power Generation: Steam power station, Nuclear power plant – Gas turbine power plant- Hydro power station: Schematic arrangement, advantages and disadvantages, Thermo electric and thermionic generators, Environmental aspects for selecting the sites and locations of power plants. [4 hrs]

Unit 2

Renewable Power Generation: Solar, Wind, Biogas and Biomass, Ocean Thermal energy conversion (OTEC), Tidal, Fuel cell, Magneto Hydro Dynamics (MHD): Schematic arrangement, advantages and disadvantages. [4 hrs]

Unit 3

Energy conservation: Scope for energy conservation and its benefits Energy conservation Principle – Maximum energy efficiency, Maximum cost effectiveness, Methods and techniques of energy conservation in ventilation and air conditioners, compressors, pumps, fans and blowers, Energy conservation in electric furnaces, ovens and boilers., lighting techniques. [4 hrs]

Unit 4

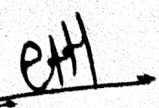
Air Pollution: Environment and Human health - Air pollution: sources- effects- control measures - Particulate emission, air quality standards, and measurement of air pollution. [4 hrs]

Unit 5

Water Pollution: Water pollution- effects- control measures- Noise pollution –effects and control measures, Disposal of solid wastes, Bio-medical wastes-Thermal pollution – Soil pollution -Nuclear hazard. [4 hrs]

Reference/Text Books:

1. A Chakrabarti, M. L. Soni, P. V. Gupta, U. S. Bhatnagar, A Text book of Power System Engineering, Dhanpat Rai Publication.
2. Rai. G. D., Non Conventional Energy Sources, Khanna Publishers, Delhi, 2006.
3. Rao S., Parulekar B.B., Energy Technology-Non conventional, Renewable And Conventional, Khanna Publishers, Delhi, 2005.
4. Glynn Henry J., Gary W. Heinke, Environmental Science and Engineering, Pearson Education, Inc, 2004.
5. J. M. Fowler, Energy and the Environment, McGraw-Hill, 2 nd Edition, 1984.
6. Gilbert M. Masters, Introduction to Environmental Engineering and Science, 2nd Edition, Prentice Hall, 2003.


H.O.D.
Department of
Basic Sciences and Humanities

Communication Skills

Unit 1: Communication and Communication Processes

(04 hrs)

Introduction to Communication, Forms and functions of Communication, Barriers to Communication and overcoming them, Verbal and Non-verbal Communication
Reading: Introduction to Reading, Barriers to Reading, Types of Reading: Skimming, Scanning, Fast Reading, Strategies for Reading, Comprehension.
Listening : Importance of Listening, Types of Listening, Barriers to Listening.

(04 hrs)

Unit 2: Verbal & Non-verbal Communication

Use of Language in Spoken Communication, Principles and Practice of Group Discussion, Public Speaking (Addressing Small Groups and Making Presentation), Interview Techniques, Appropriate Use of Non-verbal Communication, Presentation Skills, Extempore, Elocution.

(02 hrs)

Unit 3: Study of Sounds in English

Introduction to phonetics, Study of Speech Organs, Study of Phonemic Script, Articulation of Different Sounds in English.

(05 hrs)

Unit 4: English Grammar

Grammar: Forms of Tenses, Articles, Prepositions, Use of Auxiliaries and Modal Auxiliaries, Synonyms and Antonyms, Common Errors.

(04 hrs)

Unit 5: Writing Skills, Reading Skills & Listening Skills

Features of Good Language, Difference between Technical Style and Literary Style, Writing Emails, Formal and Informal English, Technical Reports: Report Writing: Format, Structure and Types


Letter Writing: Types, Parts, Layouts, Letters and Applications, Use of Different Expressions and Style, Writing Job Application Letter and Resume.

Text book:

Mohd. Ashraf Rizvi, *Communication Skills for Engineers*, Tata McGraw Hill

Reference Books:

- 1) Sanjay Kumar, Pushp Lata, *Communication Skills*, Oxford University Press, 2016
- 2) Meenakshi Raman, Sangeeta Sharma, *Communication Skills*, Oxford University Press, 2017
- 3) Teri Kwal Gamble, Michael Gamble, *Communication Works*, Tata McGraw Hill Education, 2010
- 4) Anderson, Kenneth. Joan Maclean and Tossny Lynch. *Study Speaking: A Course in Spoken English for Academic Purposes*. Cambridge: CUP, 2004.
- 5) Aswalthapa, K. *Organisational Behaviour*, Himalayan Publication, Mumbai (1991).
- 6) Atreya N and Guha, *Effective Credit Management*, MMC School of Management, Mumbai (1994).
- 7) Balan, K.R. and Rayudu C.S., *Effective Communication*, Beacon New Delhi (1996).
- 8) Bellare, Nirmala. *Reading Strategies*. Vols. 1 and 2. New Delhi. Oxford University Press, 1998
- 9) Bhasker, W. W. S & Prabhu, N. S.: *English through Reading*, Vols. 1 and 2. Macmillan, 1975.
- 10) Black, Sam. *Practical Public Relations*, E.L.B.S. London (1972).
- 11) Blass, Laurie, Kathy Block and Hannah Friesan. *Creating Meaning*. Oxford: OUP, 2007.
- 12) Bovee Courtland, L and Thrill, John V. *Business Communication*, Today McGraw Hill, New York, Taxman Publication (1989).


H.O.D.


Department of
Basic Sciences and Humanities

MASTER OF TECHNOLOGY
(Design Engineering/ Machine Design Engineering/ Mechanical Design Engineering)


Syllabus with effect from July 2018

Semester-I

Course Code	Type of Course	Name of the Course	Hours/Week			Credit	Examination Scheme				
			L	T	P		Theory		CA	PR/OR	Total
							TH	Test			
MDE11	PCC	Advanced Methods in Engineering Design	3	1	--	4	60	20	20	--	100
MDE12	PCC	Analysis and Synthesis of Mechanisms	3	1	--	4	60	20	20	--	100
MDE13	PCC	Advanced Mechanical Vibrations	3	1	--	4	60	20	20	--	100
MDE14A	Elective I	Advanced Machine Design	3	--	--	3	60	20	20	--	100
MDE14B		Mechanics of Composite Materials									
MCADM14C		Instrumentation and Automatic Control									
MDE14D		Experimental Stress Analysis									


HOD
Mechanical Engineering
Jantjevan Engg. & Tech. Institute, Panhaji

MME14E		Robotics									
MDE14F		Advanced Engineering Materials									
MDE14G		Stress Analysis									
MDE15A	Elective II	Tribology in Design	3	--	--	3	60	20	20	--	100
MDE15B		Theory of Elasticity and Plasticity									
MDE15C		Failure Analysis and Design									
MDE15D		Machine Tool Design									
MDE15E		Process Equipment Design									
MDE15F		Computational Techniques in Engineering Design									
BSH16	HSMC	Communication Skills	2	--	--	2	--	--	25	25	50
MDE17	PCC	Design Lab	--	--	3	2	--	--	25	25	50
Total			17	3	3	22	300	100	150	50	600


HOD
Mechanical Engineering
 Danjoevan Engg. & Tech. Institute, Panaji

Method (up to fourth order), Predictor-Corrector Methods, Milne Sompson, Adams Bashforth Moulten Methods.

Unit 4

Boundary value and Eigen value problems: Shooting method, finite difference method to solve boundary value problems, Polynomial method, power method to solve Eigen value problems.

Unit 5

Solution of Partial differential equations: Finite difference method, solution of Laplace & Parabolic equations.

Unit 6

Mathematical Modeling of Physical Problems, modeling Concept, Modeling of Linear Differential Equations of Second order.

Texts / References:

1. Dr. B.S. Grewal, Numerical methods for science & Engg., Khanna publications.
2. M.K. Jain, Numerical methods for Scientific & Engg. Computation, New age international publication.
3. E. Balagurusamy, Numerical methods, Tata McGraw Hill Publications.
4. K. Atkinson and W. Han, Elementary Numerical Analysis, 3rd Edition, Wiley-India, 2004.
5. J. D. Hoffman and Steven Frankel, Numerical Methods for Engineers and Scientists, 2nd Edition, McGraw-Hill, 2001
6. S. D. Conte and Carl de Boor, Elementary Numerical Analysis - An Algorithmic Approach, 3rd Edition, McGraw-Hill, 1980.
7. S. S. Shastri, Introductory methods of numerical analysis, Third edition, Prentice hall of India publications pvt. Ltd.
8. Swami, Saran Singh, Computer programming and numerical methods.

Communication Skills


BHS16	Communication Skills	HSSC	2-0-0	2 Credits
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Examination Scheme:

Theory	
Mid Term: 20 Marks	Internal Assessment: 20 Marks
End Term: 60 Marks	

Pre-Requisites: None

Course Outcomes: At the end of the course, the student will be able to:


HOD
Mechanical Engineering
Sanjeevan Engg. & Tech. Institute, Panhaji

CO1	
CO2	
CO3	
CO4	
CO5	
CO6	

Mapping of course outcomes with program outcomes

Course Outcomes	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1												
CO2												
CO3												
CO4												
CO5												
CO6												

Course Contents:

UNIT 1

Introduction to communication, Necessity of communication skills, Features of good communication, Speaking skills, Feedback & questioning technique, Objectivity in argument

UNIT 2

Verbal and Non-verbal Communication, Use and importance of non-verbal communication while using a language, Study of different pictorial expressions of non-verbal communication and their analysis

UNIT 3

Academic writing, Different types of academic writing, Writing Assignments and Research Papers, Writing dissertations and project reports

UNIT 4

Presentation Skills: Designing an effective Presentation, Contents, appearance, themes in a presentation, Tone and Language in a presentation, Role and Importance of different tools for effective presentation

UNIT 5

Motivation/Inspiration: Ability to shape and direct working methods according to self-defined criteria Ability to think for oneself, Apply oneself to a task independently with self-motivation, Motivation techniques: Motivation techniques based on needs and field situations

UNIT 6

Self Management, Self Evaluation, Self discipline, Self criticism, Recognition of one's own limits and deficiencies, dependency, etc.
Self Awareness, Identifying one's strengths and weaknesses, Planning and Goal setting, Managing self- emotions, ego, pride, Leadership and Team Dynamics

CO1	
CO2	
CO3	
CO4	
CO5	
CO6	

Mapping of course outcomes with program outcomes

Course Outcomes	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1												
CO2												
CO3												
CO4												
CO5												
CO6												

Course Contents:

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Self Awareness, Identifying one's strengths and weaknesses, Planning and Goal setting, Managing self- emotions, ego, pride, Leadership and Team Dynamics

FINAL YEAR CIVIL ENGINEERING

SYLLABUS STRUCTURE

B.E. Civil Engineering Semester-VII

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1	Design of Concrete Structure -I	4	2	---	---	6	100	25	---	---	125
2	Earthquake Engineering	3	2	---	---	5	100	50	---	---	150
3	Quantity Surveying & Valuation	3	4	---	---	7	100	50	---	25	175
4	Project Management & Construction Equipments	3	2	---	---	5	100	25	---	25	150
5	Elective-I	3	2	---	---	5	100	25	---	---	125
6	Project	---	2	---	---	2	---	50	---	---	50
7	Report on Field Training #	---	---	---	---	---	---	25	---	---	25
Total		16	14	---	---	30	500	250	---	50	800

Assessment of Report on field training to be done by Project Guide along with Project Term Work Assessment Committee.

B.E. Civil Engineering Semester-VIII

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1	Design of Concrete Structure -II	4	2	---	---	6	100	25	---	---	125
2	Water Resources Engineering-II	3	2	---	---	5	100	25	---	25	150
3	Transportation Engineering-II	3	---	---	---	3	100	---	---	---	100
4	*Elective-II	3	---	---	---	3	100	---	---	---	100
5	**Elective-III	3	---	---	---	3	100	---	---	---	100
6	SDD-II	--	---	---	4	4	---	50	---	25	75
7	Project	--	6	---	---	6	---	75	75	---	150
Total		16	10	---	4	30	500	175	75	50	800

*Elective from structure group

**Elective from non-structure group



HOD

Civil Engineering

Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur (416 201)

B. E. CIVIL ENGINEERING PART II SEMESTER VIII

ELECTIVE - III **INDUSTRIAL WASTE TREATMENT**

Teaching Scheme

Lecture : 3 hrs/Week

Examination Scheme

Theory Paper: 100 Marks

SECTION- I

Unit : 1

(08)

Use of water in industry, sources of wastewater, quality and quantity variations in waste discharge, water budgeting, characterization and monitoring of wastewater flow, stream standards and effluent standards. Miscellaneous methods of dissolved solids removal, sludge disposal methods

Unit : 2

(07)

Waste volume and strength reduction, in-plant measure, good housekeeping, process change, leakage prevention, segregation and recycling Neutralization, equalization and proportioning of waste

Unit : 3

(05)

Water Quality monitoring of Streams, Self purification of streams, B.O.D. reaction rate, D.O. sag curve and D.O. deficit calculations

SECTION- II

Unit : 4

(06)

Different types of waste treatment & their selections, Development of treatment flow diagram based on characteristics of waste

Acclimatization of bacteria to toxic wastes, process sensitivity operation and maintenance requirements

Unit : 5

(09)

Manufacturing processes in major industries, water requirements, wastewater sources, composition of wastes, Viz. sugar, distillery, dairy, pulps, paper mill, fertilizer, tannery, chemical, steel industry, power plants, textile Treatment flow sheets, alternative methods of treatment, factors affecting efficiency of treatment plant

Unit : 6

(05)

Water pollution control act, organizational set up of central and state boards for water pollution control, classification of river on water use, minimal national standards, socio-economic aspects of water pollution control

Reference books :

- 1 Waste Water Engineering Metcalf Eddy McGraw Hill Publications.
- 2 Industrial Waste Treatment Nelson Meneroo
- 3 Industrial Waste Treatment Rao&Datta



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Civil Engineering

Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur (416 201)

SHIVAJI UNIVERSITY, KOLHAPUR
T. E. (Civil) SYLLABUS STRUCTURE
SEMESTER-V (Part I)

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1	Water Resource Engineering-I	3	2	---	---	5	100	50	---	---	150
2	Design of Steel Structures	4	---	---	---	4	100	---	---	---	100
3	Environmental Engineering-I	3	2	---	---	5	100	50	---	---	150
4	Geotechnical Engineering-I	3	2	---	---	5	100	25	50	---	175
5	Transportation Engineering-I	3	2	---	---	5	100	25	---	25	150
6	Building Planning & Design	2	---	---	4	6	---	50	---	25	75
Total		18	8	---	4	30	500	200	50	50	800

SEMESTER-VI (Part II)

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1	Theory of Structures	3	2	---	---	5	100	25	---	---	125
2	Geotechnical Engineering-II	3	2	---	---	5	100	50	---	---	150
3	Engineering Management	4	---	---	---	4	100	---	---	---	100
4	Engineering Geology	3	2	---	---	5	100	50	---	---	150
5	Environment Engineering-II	3	2	---	---	5	100	25	---	25	150
6	SDD-I	---	---	---	4	4	---	50	---	25	75
7	Seminar	---	2	---	---	2	---	50	---	---	50
8	**Field Training	---	---	---	---	---	---	---	---	---	---
Total		16	10	---	4	30	500	250	---	50	800

*** Field Training shall be done in the summer vacation for a period of three weeks which will be assessed at the end of VIIth Semester.


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Environmental Engineering – I

Teaching Scheme:

Lecture: 3 hours per week
Practical: 2 hours per week

Examination scheme:

Theory paper: 100 marks
Term Work: 50 marks

Course Objectives:

1. To understand various sources of water with respect to quality and quantity of water.
2. To describe and design the various water treatment units.
3. To learn the special water treatments and sequencing of treatment for various qualities of surface & ground water.
4. To design the various components related to transmission and distribution of water.
5. To understand various water supply appurtenances.
6. To outline the principles of green building.

Course Outcome:

After successful completion of this course, the students will be able to

1. Describe the various sources of water with respect to quality and quantity of water.
2. Describe and design the various water treatment units.
3. Illustrate the special water treatments and sequencing of treatment for various qualities of surface & ground water.
4. Design the various components related to transmission and distribution of water.
5. Summarize the different water supply appurtenances.
6. Explain the principles of green building.

SECTION I

UNIT 1:

(06)

Water: Sources of water, quantity & quality of sources, demand of water, factors affecting demand, fluctuations in demand, rate of water consumption, design period & population forecast.

Water quality parameters: Characteristics & significance in water treatment, drinking water quality standards- BIS, WHO.

Intake Works : Concepts of Intake well, Jack well and Rising main. Design of Intake well.

(06)

UNIT 2:

Concept of water treatment process.

Aeration- Types of aerators, design of cascade aerator

Coagulation & Flocculation: Theory of coagulation and flocculation, destabilization of colloidal particles, factors affecting coagulation, types of coagulants, methods of dosing of coagulants, Jar tests, design of rapid mixer & flocculator.

Sedimentation- Theory, types of settling, types of sedimentation tanks. Design of vertical flow sedimentation tank. Concept of clariflocculator. Concept of tube & plate settler.

UNIT 3:

(06)

Filtration- Mechanism, head loss development, negative head loss.

Types of filters- Slow sand, Rapid sand, Multimedia & Pressure filters. Operation & design of rapid sand filter.

Disinfection- Mechanism, factors affecting disinfection, methods of disinfection, chemistry of chlorination, Forms of chlorination and practices.

Water softening processes - lime-soda process, ion exchange

Demineralization - Reverse osmosis, electro dialysis. Layout of water treatment units as per source.

SECTION II

UNIT 4:

(06)

Reservoirs: necessity, types, capacity determination by analytical & graphical method.

Transmission of water: pumping & gravity mains, choice of pipe materials, forces acting on pressure pipes, concept of thrust block, corrosion types & control measures. Leakage & pressure testing of pipes.

UNIT 5

(06)

Water Distribution System: basic requirements, methods of distribution, layout patterns, methods of network analysis: Equivalent pipe, Hardy-Cross method, design problems. Use of software in network analysis.

UNIT 6

(06)

Water supply appurtenances: sluice valve, air relief valve, gate valve, non-return valve, scour valve, fire hydrants water meter, service connections, maintenance & leak detection of water distribution system.

Green building: Concept and materials, Energy and water budgeting

TERM WORK:

A. Analysis of any 08 of the following test parameters for water

1. pH
 2. Acidity
 3. Alkalinity
 4. Chlorides content
 5. Hardness – Total, temporary and permanent
 6. Turbidity
 7. Residual Chlorine
 8. Total dissolved solids through measurement of electrical conductivity
 9. Dissolved Oxygen
 10. Most Probable Number
 11. Optimum dose of alum by jar test.
- B. Design/ Analysis problems on water treatment unit

- C. Analysis of distribution system using software
- D. Visit to a water treatment plant

RECOMMENDED BOOKS:

1. Manual of water supply and treatment by Government of India publication.
2. Water and Waste water Technology by Mark J. Hammer, John Wiley and Sons.
3. Introduction to Environmental Engineering by M. L. Davis and Davis A. Cornwell, Mc Graw Hill.
4. Environmental Engineering: A design approach by A.P. Sincero and G.A. Sincero. Prentice Hall of India.
5. Environmental Engineering by H.S. Peavy, D.R. Rowe. McGraw Hill
6. Water Supply Engineering by Dr. P. N. Modi, Standard Book House, New Delhi.
7. Water Supply Engineering by S. K. Garg, Khanna Publishers, New Delhi
8. Water Supply Engineering by Dr. B. C. Punmia, Laxmi Publishers, New Delhi



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SHIVAJI UNIVERSITY, KOLHAPUR
T. E. (Civil) SYLLABUS STRUCTURE
SEMESTER-V (Part I)

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1	Water Resource Engineering-I	3	2	---	---	5	100	50	---	---	150
2	Design of Steel Structures	4	---	--	---	4	100	---	---	---	100
3	Environmental Engineering-I	3	2	---	---	5	100	50	---	---	150
4	Geotechnical Engineering-I	3	2	---	---	5	100	25	50	---	175
5	Transportation Engineering-I	3	2	---	---	5	100	25	---	25	150
6	Building Planning & Design	2	---	---	4	6	---	50	---	25	75
Total		18	8	--	4	30	500	200	50	50	800

SEMESTER-VI (Part II)

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1	Theory of Structures	3	2	---	---	5	100	25	---	---	125
2	Geotechnical Engineering-II	3	2	---	---	5	100	50	---	---	150
3	Engineering Management	4	---	---	---	4	100	---	---	---	100
4	Engineering Geology	3	2	---	---	5	100	50	---	---	150
5	Environment Engineering-II	3	2	---	---	5	100	25	---	25	150
6	SDD-I	---	---	---	4	4	---	50	---	25	75
7	Seminar	---	2	---	---	2	---	50	---	---	50
8	**Field Training	---	---	---	---	---	---	---	---	---	---
Total		16	10	---	4	30	500	250	---	50	800

*** Field Training shall be done in the summer vacation for a period of three weeks which will be assessed at the end of VIIth Semester.


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Environmental Engineering – II

Teaching Scheme:

Lecture: 3 hours per week
Practical: 2 hours per week
Oral : 25Marks

Examination scheme:

Theory paper: 100 marks
Term Work: 25 marks

Course Objectives:

1. To describe wastewater, its sources, characteristics and collection systems.
2. To design the various treatment processes for wastewater treatment.
3. To describe and design various low cost treatment processes for wastewater treatment.
4. To interpret various methods of wastewater disposal.
5. To explain various aspects of solid waste management.
6. To outline the effects of air pollution and its control measures.
7. To understand legal aspects related environmental protection.

Course Outcomes:

At the end of this course students will be able to learn to,

1. Explain sources, characteristics and methods of wastewater collection.
2. Design the primary and secondary wastewater treatment units.
3. Design low cost wastewater treatment units.
4. Apply the knowhow of effluent standards for wastewater disposal as per norms.
5. Explain the necessity and importance of solid waste management.
6. Describe air pollution, its effect and controlling techniques.
7. Summarize different legal aspects related to environment protection for sustainable development.

SECTION I

UNIT 1:

(06)

Wastewater: Components of wastewater flows, wastewater sources and flow rate, Variations in flow rates and strength, wastewater constituents, Characteristic of Municipal waste water, Problems on B.O.D. calculations, Quantity of storm water, Ground water infiltration.

Sewerage system: Types, Layout, Types of sewers, Collection system, Appurtenances, Design of sanitary and storm water sewers, Maintenance of sewerage systems Sewage and Sludge pumping, Location, Capacity, Types of pumps, Pumping station design

UNIT 2:

(06)

Primary Treatment: Screening, comminuting, Grit removal, Oil and Grease trap Primary settling tank.

Secondary Treatment: Activated sludge process, Process design and operating parameters, modification of ASP, Operational problems, Concept of trickling filter, Secondary Settling Tank

UNIT 3:

(06)

Sludge: Characteristics, Treatment and disposal, Concept of anaerobic digestion, types of reactors.

Low cost wastewater treatment methods-Principles of waste stabilization pond. Design and operation of oxidation pond, aerobic & anaerobic Lagoons, Aerated Lagoon, Oxidation ditch, Septic tank. Selection of alternative Treatment process flow sheets, Concept of recycling and reuse of sewage.

SECTION II

UNIT 4:

(06)

Stream pollution: Classification, Concept of Self Purification and DO sag curve. Streeter Phelp's Equation.

Disposal of wastewater: methods, effluents standards for stream and land disposal as per MPCB and CPCB standards and legislation.

Concept of environmental impact assessment.

(06)

UNIT 5:

Solid waste management: Definition, types, sources, characteristics. Functional outlines, Generation, storage, Collection, Processing techniques.

Methods of treatment of solid waste, Composting, Incineration, Pyrolysis and Sanitary land filling.

Concept of Hazardous waste management

(06)

UNIT 6:

Air Pollution-Definition, Sources and classification of pollutants, Effects on man material and vegetation.

Introduction to Meteorological aspects such as atmospheric stability, mixing heights, and plume behavior.

Control of industrial air pollution-Settling Chamber, Bag Filters, Cyclone separators, Scrubbers, Electrostatic precipitators,

Introduction to global issues – Global warming, Acid rain, Ozone depletion, Photochemical Smog. Ambient air quality standards.

TERM

WORK:

Term work shall consist of the following:

A. Characterization of Municipal Waste water (Any 5 of the following):

1. pH
2. Alkalinity
3. Solids
4. Chlorides
5. DO
6. BOD
7. COD
8. Sulphates
9. Oil & grease
10. Volatile acids

B. Demonstration of HVS and Auto exhaust analyzer.

C. Design of sewerage system and treatment system for a small urban area

D. Visit to sewage treatment plant.

RECOMMENDED BOOKS:

1. Peavey, H. S. Rowe, D.R., Environmental Engineering, McGraw-Hill Book Company.
2. Waste water Engineering, P. N. Modi.
3. Viessman W. and Hammer M.J. Water supply and pollution Control, Harper Collins College publishers.
4. Hammer M.J. Water and Waste water Technology, Prentice-Hall of India Private Limited.
5. Water Supply & Sanitary Engineering, G. S. Birdie, Dhanpat Rai & Sons, New Delhi.
6. Manual on sewerage and sewage Treatment-Government of India Publication.
7. Masters. G. M. Introduction to Environmental Engineering and Science.
8. Rao. M. N. and Rao H.V. Air pollution, Tata McGraw Hill, 1990.
9. Canter, Environmental Impact Assessment, TMH Publication.
10. Manual on Municipal Solid Waste Management, Ministry of Urban Development Govt. of India.



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Civil Engineering

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Shivaji University, Kolhapur
Second year undergraduate compulsory course in
ENVIRONMENTAL STUDIES
Syllabus

- 1. Nature of Environmental Studies.** (4 lectures)
Definition, scope and importance.
Multidisciplinary nature of environmental studies
Need for public awareness.
- 2. Natural Resources and Associated Problems.** (4 lectures)
 - a) Forest resources: Use and over-exploitation, deforestation, dams and their effects on forests and tribal people.
 - b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams benefits and problems.
 - c) Mineral resources: Usage and exploitation. Environmental effects of extracting and using mineral resources.
 - d) Food resources: World food problem, changes caused by agriculture effect of modern agriculture, fertilizer-pesticide problems.
 - e) Energy resources: Growing energy needs, renewable and non-renewable energy resources, use of alternate energy sources. Solar energy, Biomass energy, Nuclear energy.
 - f) Land resources: Solar energy, Biomass energy, Nuclear energy, Land as a resource, land degradation, man induced landslides, soil erosion and desertification.Role of an individuals in conservation of natural resources.
- 3. Ecosystems** (6 lectures)
Concept of an ecosystem.
Structure and function of an ecosystem.
Producers, consumers and decomposers.
Energy flow in the ecosystem.
Ecological succession.
Food chains, food webs and ecological pyramids.
Introduction, types, characteristics features, structure and function of the following ecosystem :-
 - a) Forest ecosystem, b) Grassland ecosystem, c) Desert ecosystem,
 - d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).
- 4. Biodiversity and its conservation** (6 lectures)
Introduction- Definition: genetic, species and ecosystem diversity.
Bio-geographical classification of India.
Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
India as a mega- diversity nation.
Western Ghat as a biodiversity region.
Hot-spot of biodiversity.
Threats to biodiversity habitat loss, poaching of wildlife, man- wildlife conflicts.
Endangered and endemic species of India.
Conservation of biodiversity: In-situ and Ex-situ conservation of

biodiversity.


5. **Environmental Pollution** (6 lectures)
Definition: Causes, effects and control measures of: Air pollution, Water pollution, soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards.
Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of a individual in prevention of pollution.
6. **Social Issues and the Environment** (8 lectures)
Disaster management: floods, earthquake, cyclone, tsunami and landslides.
Urban problems related to energy
Water conservation, rain water harvesting, watershed management
Resettlement and rehabilitation of people; its problems and concerns.
Environmental ethics: Issue and possible solutions.
Global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
Wasteland reclamation.
Consumerism and waste products.
7. **Environmental Protection** (8 lectures)
From Unsustainable to Sustainable development.
Environmental Protection Act.
Air (Prevention and Control of Pollution) Act.
Water (Prevention and control of Pollution) Act.
Wildlife Protection Act.
Forest Conservation Act.
Population Growth and Human Health, Human Rights.
8. **Field Work** (10 lectures)
Visit to a local area to document environmental assets-
River/Forest/Grassland/Hill/Mountain.
or
Visit to a local polluted site - Urban / Rural / Industrial /Agricultural.
or
Study of common plants, insects, birds.
or
Study of simple ecosystems - ponds, river, hill slopes, etc.

References :

- 1) Agarwal, K.C.2001, Environmental Biology, Nidi Pub. Ltd., Bikaner.
- 2) Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad 380013, India, Email:mapin@icenet.net (R)
- 3) Brunner R.C.,1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p
- 4) Clank R.S. Marine Pollution, Clanderson Press Oxford (TB)
- 5) Cunningham, W.P. Cooper, T.H.Gorhani, E. & Hepworth, M.T.2001, Environmental Encyclopedia, Jaico Pub. Mumbai, 1196p
- 6) De A.K., Environmental Chemistry, Wiley Western Ltd.
- 7) Down to Earth , Centre for Science and Environment , New Delhi.(R)
- 8) Gleick, H.,1993, Water in crisis, Pacific Institute for studies in Dev., Environment & Security. Stockholm Env. Institute. Oxford Univ. Press 473p

- 9) Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
- 10) Heywood, V.H.& Watson, R.T.1995, Global Biodiversity Assessment, Cmbridge Univ. Press 1140p.
- 11) Jadhav, H.and Bhosale, V.M.1995, Environmental Protection and Laws, Himalaya Pub. House, Delhi 284p.
- 12) Mickinney, M.L.and School. R.M.1196, Environmental Science Systems and Solutions, Web enhanced edition, 639p.
- 13) Miller T.G. Jr., Environmental Science. Wadsworth Publications Co. (TB).
- 14) Odum, E.P.1971, Fundamentals of Ecology, W.B.Saunders Co. USA, 574p.
- 15) Rao M.N.and Datta, A.K.1987, Waste Water Treatment, Oxford & IBH Publ. Co. Pvt. Ltd., 345p
- 16) Sharma B.K., 2001, Environmental Chemistry, Gokel Publ. Hkouse, Meerut
- 17) Survey of the Environment, The Hindu (M)
- 18) Townsend C., Harper, J. and Michael Begon, Essentials of Ecology, Blackwell Science (TB)
- 19) Trivedi R.K. Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards, vol. I and II, Environmental Media (R)
- 20) Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science Publications (TB)
- 21) Wagner K.D.,1998, Environmental management, W.B. Saunders Co. Philadelphia, USA 499p.
- 22) Paryavaran shastra – Gholap T.N.
- 23) Paryavaran Sahastra - Gharapure

(M) Magazine
 (R) Reference
 (TB) Textbook


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SHIVAJI UNIVERSITY, KOLHAPUR,

Structure of B.E. (MECHANICAL ENGINEERING) Semester VII

WITH EFFECT FROM THE ACADEMIC YEAR JUNE/JULY 2016-2017

Sr. No.	Course Title	Teaching Scheme				Examination Scheme				
		L	T	P	Total Hrs.	TP	TW	OE	POE	Total Marks
1	Refrigeration and Air Conditioning	3	-	2	5	100	25	-	25	150
2	Mechanical System Design	3	-	2	5	100	25	25	-	150
3	Finite Element Analysis	3	-	2	5	100	25	-	-	125
4	Elective I	3	-	2	5	100	25	-	-	125
5	Elective II	3	-	2	5	100	25	-	-	125
6	Industrial Training @	-	-	-	0	-	50	-	-	50
7	Project Phase -I	-	-	2	2	-	50	25	-	75
Total		15	00	12	27	500	225	50	25	800

Sr. No.	Elective I	Elective II
1	Experimental Mechanics	Total Quality Management
2	Human and Professional Ethics	Industrial Product Design
3	Automobile Engineering	Advanced Forming Processes
4	Computational Fluid Dynamics	Design of Thermal Systems
5	Process Equipment Design	Smart Materials
6	Advanced Foundry Processes	Design for Sustainability
7	Introduction to Aircraft Systems	Flexible Manufacturing Systems

L: Lecture, T: Tutorial, P: Practical, TP: Theory Paper, TW: Term Work, OE: Oral Exam. , POE: Practical and Oral Exam.

@ Industrial training of minimum two (2) weeks should be done after T.E. (II) in summer vacation and it's assessment will be done in B.E. (I) based on report submitted Work load of the assessment can be assigned to the project seminar guide.


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SHIVAJI UNIVERSITY, KOLHAPUR,

B.E. (Mechanical Engineering) Semester VII

4. HUMAN VALUES AND PROFESSIONAL ETHICS (ELECTIVE -I)

Teaching Scheme:

Lectures: 3 Hrs/ Week

Practical: 2 Hrs/ Week

Examination Scheme:

Theory Paper: 100 Marks

Term work: 25 Marks

Course Objectives:

The objective of the course is an exploration of human values which go into making a good human being, a good human society and a good life. The context is the work life and the personal life of modern Indian professionals. The movement to identify and promote the values shared by societies around the world is relatively new. It is only in recent years as globalization extended its reach to even remote corners of the earth that the need to refocus and build upon what we as a human society have in common, has become apparent. Increased contact between peoples and nations enhances awareness of our kinship and the shared code of ethics and conduct that underlies all civilization. It is the Human values that we must now promote to create a common vision and means for moving forward toward a more peaceful and sustainable world.

The course also aims to have students appreciate the vastness of the Universe and the wonder of its parts, and the philosophical significance of this for improving the quality of human life through value clarification.

Course Outcomes:

Upon successful completion of this course, the student will be able to:

1. Understand the role of cognitive and moral values in world views, by discussing and writing about the ethical implications of modern scientific and technological results
2. Recognize the difference between matters of fact and matters of value, while understanding the important ways in which facts influence value assessments and how value judgments shape our vision of "the facts"
3. Understand ethical methodologies and competency in ethical deliberation on rationally applying these methodologies to contemporary ethical questions related to scientific progress and technological power
4. Understand why ethics plays an important role in science and technology

Unit 1 Human Values

[08]

The value-crisis in the contemporary Indian Society-The Indian system of values-Values in the Indian constitution-Aesthetic values: perception and enjoyment of beauty-Relative and absolute values-Morals- Values and Ethics – Integrity-Service – Work Ethic –Service Learning – Civic Virtue – Respect for Others –Respect for the Environment-Quest for Living Peacefully and happily-Attitude of Nonviolence-Innate dignity for human life – Bring out the best in oneself - caring – Sharing – Honesty – Courage – Valuing Time – Co-operation – Commitment – Empathy – Self-Confidence – Character – Spirituality

Unit 2 Engineering Ethics

[06]

Senses of 'Engineering Ethics' - variety of moral issues - types of inquiry - moral dilemmas - moral autonomy - Kohlberg's theory - Gilligan's theory - consensus and controversy – Models of


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Professional Roles - theories about right action- Self-interest - customs and religion - uses of ethical theories.

Unit 3 Engineering as Social Experimentation

[06]

Engineering as experimentation - engineers as responsible experimenters - Research Ethics - codes of ethics - a balanced outlook on law - the challenger case study

Unit 4 Safety

[05]

Safety and risk - assessment of safety and risk - risk benefit analysis and reducing risk - The Government Regulator's Approach to Risk- the three mile island, Chernobyl and Bhopal case studies. Collegiality and loyalty - respect for authority - collective bargaining - confidentiality - conflicts of interest - occupational crime -.

Unit 5 Responsibilities and Rights

[05]

Engineers responsibility, Professional rights - Employee rights - Intellectual Property Rights (IPR) - Discrimination

Unit 6 Global Issues

[10]

Multinational corporations - Business Ethics -Environmental ethics -Role in Technological Development- computer ethics - weapons development - engineers as managers-consulting engineers-engineers as expert witnesses and advisors -Honesty-moral leadership-sample codes of Ethics like ASME, ASCE, IEEE, Institution of Engineers (India), Indian Institute of Materials Management, Institution of electronics and telecommunication engineers (IETE), India,etc.

Term Work:

The term work should be carried out with the methodology of Lecturess, group discussions (based on case studies), movies, field visits, essays and student self investigation sessions.

1. TEN modules based on the topics mentioned above and Including –
 - Group Discussions based on Case Studies with Report/Essays .
 - Undergoing the Art of Living's *YES+ / Happiness Programme* on the Awareness of Human Values conducted by Vyakti Vikas Kendra ,Bangalore in assistance with *INTERNATIONAL ASSOCIATION OF HUMAN VALUES. (IAHV).*
 - Visits (with report writing) to Public Institutes like Municipal Corporation,ZP, Co-op organizations, social clubs like charitable trusts, Waste Water/Air Pollution Control Plant, Slum Areas etc.
 - Conduction of Health and Hygiene Awareness Camp for Society.
 - Study of economic status of the society –Survey data collection, analysis and any suggestions.
 - Study of impacts of technology on society.

Text Books:

1. "Professional Ethics and Human Values", M.P. Raghavan,Scitech Publications (India) Pvt Ltd.
2. "Human Values and Professional Ethics", Jayashri and Suresh B S ,S Chand .


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3. "Ethics in Engineering", Mike Martin and Roland Schinzinger, , Tata McGraw-Hill, New York, (1996).
4. "Engineering Ethics(Including Human Values)",Govindarajan M, Natarajan S. Senthil Kumar V. S, Prentice Hall of India, New Delhi.
5. "A Textbook on Professional Ethics and Human Values", Naagarazan, R.S. ,New Age Publishers .
6. "Professional Ethics and Human Values",A Alavudeen,R Kalil Rahman M Jayakumaran ,Laxmi Publisher .
7. "Understanding Human Values :Individual and Societal",Milton Rokeach ,Free Press Publication .
8. "Human Values" A N Tripathy, New Age International .
9. "A Foundation Course in Value Education",R R Gaur,R Sangal,(2009).
10. "Science and humanism", P L Dhar and R R Gaur, Commonwealth Publishers.
11. "Wisdom for The New Millennium",H.H .Sri Sri Ravishankarji, founder ,Art of Living. Vyakti Vikas Kendra, Bangalore.
12. "The Monk Who Sold his Ferrari",Robin Sharma, Jaico Publishing House .
13. "Mega Living",Robin Sharma, Jaico Publishing House .
14. "The Story of Phillosophy", W,Durant .
15. "The first and the Last Freedom", Osho.
16. "Commentaries on living", J Krishnamurti.
17. "The Rebirth of Buddha", Ryuho Okawab Paperback –,Happy Science; 2nd (Revised) Edition., (2009).
18. "Speeches and writings of Swami Vivekananda; A Comprehensive Collection",G. A. Natesan and Co., Madras.

Reference Books:

1. "Engineering Ethics", Charles D. Fleddermann, Pearson Education / Prentice Hall of India , New Jersey, (Indian Reprint now available).(2004)
2. "Engineering Ethics –Concepts and Cases" Charles E Harris, Michael S. Prochard and Michael J Rabins, , Wadsworth Thompson Leatning, United States, (Indian Reprint now available), (2000).
3. "Ethics and the Conduct of Business",John R Boatright, Pearson Education, New Delhi, (2003).
4. "Fundamentals of Ethics for Scientists and Engineers", Edmund G Seebauer and Robert L Barry, Oxford University Press, Oxford.
5. "Business Ethics – An Indian Perspective", Prof. (Col) P S Bajaj and Dr. Raj Agrawal, Biztantra, New Delhi, (2004).
6. "Science and the Human Prospect", Ronald C. Pine Brave New World by Aldous Huxley.
7. "Society ,Environment and Engineering", H R Mukhi , Birla Publications, New Delhi.
8. "Society, Environment and Engineering", R Agor, Satya Prakashan,New Delhi.

Relevant CDs ,Movies ,Documentaries and Websites

- www.onlineethics.org, www.storystuff.com, www.iahv.org , www.5h.org , www.artofliving.org , www.ijhvpe.com,
- Al Gore,An Inconvinient Truth, Paramount Classics USA.
- Charlie Chaplin, Modern Times,United Artits ,USA.
- IIT Delhi, ModernTechnology-The Untold Story.


Sanjeevan Engineering & Tech. Institute, Panhala

SHIVAJI UNIVERSITY, KOLHAPUR,
Structure of T.E. (MECHANICAL ENGINEERING) Semester V
WITH EFFECT FROM THE ACADEMIC YEAR JUNE/JULY 2015-2016

Sr. No.	Course Title	Teaching Scheme				Examination Scheme				
		L	T	P	Total Hrs.	TP	TW	OE	POE	Total Marks
1	Control Engineering	3	-	2	5	100	25	-	-	125
2	Theory of Machine - II	3	-	2	5	100	25	25	-	150
3	Heat and Mass Transfer	3	-	2	5	100	25	-	25	150
4	Machine Design - I	3	1	-	4	100	25	-	-	125
5	Manufacturing Engineering @	3	-	2	5	100	25	-	-	125
6	CAD/CAM Laboratory	-	-	2	2	-	25	-	25	50
7	Professional Skill Development	1	-	-	1	-	25	-	-	25
8	Workshop Practice - V	-	-	2	2	-	25	-	-	25
9	Mini-Project- I	-	-	1	1	-	25	-	-	25
Total		16	01	13	30	500	225	25	50	800

L: Lecture, T: Tutorial, P: Practical, TP: Theory Paper, TW: Term Work, OE: Oral Exam. , POE: Practical and Oral Exam.

@ Theory paper of 04 (four hour) Durations
 Unless mentioned, theory paper examination duration 3 hours


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SHIVAJI UNIVERSITY, KOLHAPUR
T.E. (Mechanical Engineering) Semester V
7. PROFESSIONAL SKILL DEVELOPMENT

Teaching Scheme:

Lectures: 1 Hr/ Week

Examination Scheme:

Term Work: 25 Marks

Course Objectives:-

The course aims to:

1. Communicate effectively in business situations
2. Practice and improve technical skills
3. Utilize collaborative and management skills in a team context
4. Develop presentation skills.

Course Outcomes:-

Upon successful completion of this course, the student will be able to:

1. Strengthen technical and soft skills necessary for workplace success
2. Increase awareness of marketability on the job market and confidence in abilities
3. Effectively make the transition from school to the workplace
4. Manage their career by navigating through the working world more effectively

Unit 1 Technical Writing and Business Communication:

Informal and formal letter writing ,quotations, purchase orders, enquiry letter, invitation and acceptance letter, notice of meeting ,circular, agenda and minutes of meeting. [02]

Unit 2 Report and Proposal Writing:

Different types of report, structure of a report, characteristics of a good report, project report, structure of a general format proposal, importance of a proposal. [02]

Unit 3 The e-English:

Writing email to an unknown person, guidelines for continuing the conversation on emails, the top ten Do's, Business emails, marketing emails. [02]

Unit 4 Team Building and Time Management:

Interpersonal skills, what is needed to form smart team. Different approaches to team building. Techniques of a time management: ABC analysis, Pareto analysis, fit analysis, POSEC method. Eisenhower method, Prerequisite of time management. [04]

Unit 5 Corporate Etiquettes:

Business dress and grooming, office etiquettes, telephone etiquettes, dining etiquettes, meeting etiquettes, travel etiquettes. [02]


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Unit 6 Writing a Research Article and Mastering Presentation Skills:

General form, title page, abstract, methods, results, literature cited, Microsoft office power points creating presentation, formatting, adding Graphics, animation videos. [02]

Term Work:

1. Quotation and Purchase order for the Engineering goods.
2. Agenda, notice and minutes of a meeting.
3. One report based on the project /literature review/comparison etc.
4. One proposal for research /Business etc.
5. One term paper based on recent trends based on Mechanical Engineering.

Text Books:

1. "Soft skills for managers", Dr. T. Kalyana Chatravarthi, Dr. T. Latha Chatravarthi Biztantra.
2. "Soft skills for young managers", by Prof. M. S. Rao Wiley India Pvt. Limited.

Reference Books:

1. "Technical English", Dr. M. Hemamalini, Published by Wiley India Pvt.ltd.
2. "Soft skills", S. Hariharan MJP Publiishers Chennai , (2010).


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Shivaji University, Kolhapur

S.E. (Automobile) Semester IV (Revised)

8. PROFESSIONAL SKILLS - I

Teaching Scheme:
Practical: 2 hrs/ week

Examination Scheme:
Term Work: 25 marks

Course Objectives

After completing this course, student will be able to,

1. Acquire English as a language for specific purpose.
2. Prepare themselves according to the requirements of professional life.
3. Improve his personality traits.

Prerequisite: Adequate knowledge of English as a language

1. Communicative Concepts: Greeting people; Inviting people; Leave taking; Likes and dislikes; Agreement and disagreement; Expressing – joy, fear, surprise, worry; Opinions, beliefs, disbeliefs; Possibility and ability; Prediction and probability; Permission.

2. Natural English: Begin the conversation, Keep the conversation moving, Ask questions, Receive visitors, asking for information, Making offers, Friendly warnings and instructions, Giving advice and making suggestions.

3. Interpersonal Skills: Self-esteem and strategies for developing self-confidence; SMART goal setting; Dealing with emotions – anger, conflict, depression; Developing assertiveness.

4. Lifelong Learning: Steps in lifelong learning, Tips to achieve effective learning, Challenges in lifelong learning, Misconceptions about lifelong learning.

5. Body Language: Non verbal communication – Eye contact, Facial expressions, Gestures, Posture and body orientation, Proximity, Vocal; Non-verbal behavior interpretation.

6. Acting Ethically: Ethics and self-righteousness, Right and wrong in the workplace, Striving for integrity.

7. Creative and Critical Thinking: Developing your creativity, Factors that block creativity, Creativity in workplace, Importance of critical thinking.

8. Entrepreneurial Skills Development: Entrepreneurial competencies, Entrepreneurship in daily life, Venture project planning.

Details of Practical: Students in group of 5-6 will be engaged in following activities so as to improve english communication and overall personality development.

1. Personality Type Testing (This will be done in introductory session)
2. Goal Setting
3. Interpersonal Skills and Body Language - A Case Study
4. Presentation Skills
5. Teamwork

The entire report should be documented as one chapter with details like

1. "Name of Industry with address along with completed training certificate"
2. Area in which Industrial training is completed

All Students have to present their reports individually.



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Mechanical Engineering
Sanjeevan Ehgg. & Tech. Institute, Panhal.

Shivaji University, Kolhapur
T.E. (Automobile) Semester V (Revised)
7. PROFESSIONAL SKILLS – II

Teaching Scheme:
Practical: 2 hrs/week

Examination Scheme:
Term Work: 25 marks

COURSE LEARNING OUTCOMES: After completion of the course, the student shall be able to:

1. Possess Good communication skills.
2. Form network between the students and other community
3. Apply Corporate ethics
4. Conduct assembly meeting and documentation.

List of Assignments

1. Report Writing (Synopsis or the first draft of the Report)
2. Technical Proposal (Group activity, document of the proposal)
3. Interpersonal Skills (Group activity and Role play)
4. Interpersonal Skills (Documentation in the form of soft copy or hard copy)
5. Meetings and Documentation (Notice, Agenda, Minutes of Mock Meetings)
6. Corporate ethics and etiquettes (Case study, Role play)
7. Cover Letter and Resume
8. Right to information act 2005
9. Apprentice training act 1961
10. Interlinked skills-personal-social-professional

References

1. Fred Luthans, "*Organisational Behavior*", Mc Graw Hill, edition
2. Lesiker and Petit, "*Report Writing for Business*", Mc Graw Hill, edition
3. Huckin and Olsen, "*Technical Writing and Professional Communication*", McGraw Hill
4. Wallace and Masters, "*Personal Development for Life and Work*", Thomson Learning, 12th edition.
5. Heta Murphy, "*Effective Business Communication*", Mc Graw Hill, edition.
6. R.C Sharma and Krishna Mohan, "*Business Correspondence and Report Writing*".
7. B N Ghosh, "*Managing Soft Skills for Personality Development*", Tata McGraw Hill. Lehman.
8. Dufrene, Sinha, "*BCOM*", Cengage Learning, 2nd edition
9. Bell Smith, "*Management Communication*" Wiley India Edition, 3rd edition.
10. Dr. K. Alex, "*Soft Skills*", S. Chand and Company.
11. R. Subramaniam, 2013, "*Professional Ethics*" Oxford University Press. =


HEAD, DEPARTMENT OF
AUTOMOBILE ENGINEERING
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala - 416 201

Date : 27th Feb, 2017.

To,

Prof. E.P. Salokhe

Dept. of Civil Engg. SETI, Panhala.

Subject: Invitation for guest lecture on "Law for Engineers"

Respected Sir,


On behalf of our Electrical Department, we are very pleased to have the honor of inviting you to our Dept. for guest lecture. We expect you to deliver a lecture on **Law relating to Intellectual property and various contents under Labour law.**

We have arranged the lecture for all the final year electrical students during 2nd March, 3rd March and 7th March, 2017 in morning session.


Please accept our invitation and give you auspicious presence for the same.

Thanking you.

Yours Faithfully,


Coordinator
Ms. P.G. Bendre

Recd
27/12/17


H.O.D.
Mr. P. P. Kulkarni
(Head Electrical Engineering Dept.)

Guest Lecture on LAWS for Engineer

Title: Guest lecture on LAW for Engineer Subject

Duration: March 2nd, 2017

Resource Person: Mr. E. P. Salokhe (Asst.Prof.) Civil Engineering Department, Sanjeevan Engineering and Technology Institute, Panhala.

Coordinators: Ms. P. G. Bendre (Asst. Prof. Electrical Department)

Details:

The Department of Electrical Engineering of Sanjeevan Engineering and Technology Institute, Panhala, organised a guest lecture on LAW for Engineer Subject. The Resource Person for this guest lecture was Prof. E. P. Salokhe, Civil Engineering Department, Sanjeevan Engineering and Technology Institute, Panhala.

This workshop was arranged for B.E. Electrical students of Sanjeevan Engineering and Technology Institute, Panhala.

Resource person Prof. E. P. Salokhe, delivered lecture on LAW relating to Intellectual Property, law relating to Copyright, Trademark & Patent etc. This guest lecture will be very useful for students & will be beneficial for their University curriculum. This guest lecture was co-ordinated by Ms. P. G. Bendre (Electrical Department).



Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686627

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Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Ref.:SETI/Elec/Guest/

Date: 11th March, 2017..

To,

Prof. E.P. Salokhe

Dept.of Civil Engg. SETI, Panhala.

Dear Sir,

We would like to extend our warm thanks to you for delivering lecture on
"Law relating to Intellectual property and various contents under Labour law"

The information presented by you has boosted our student's knowledge on Law for Engineers and will be beneficial for their University curriculum.

We sincerely thank for the support and the valuable time given by you and we hope that you would continue to extend your support in our future initiatives as well.

Thanking You,

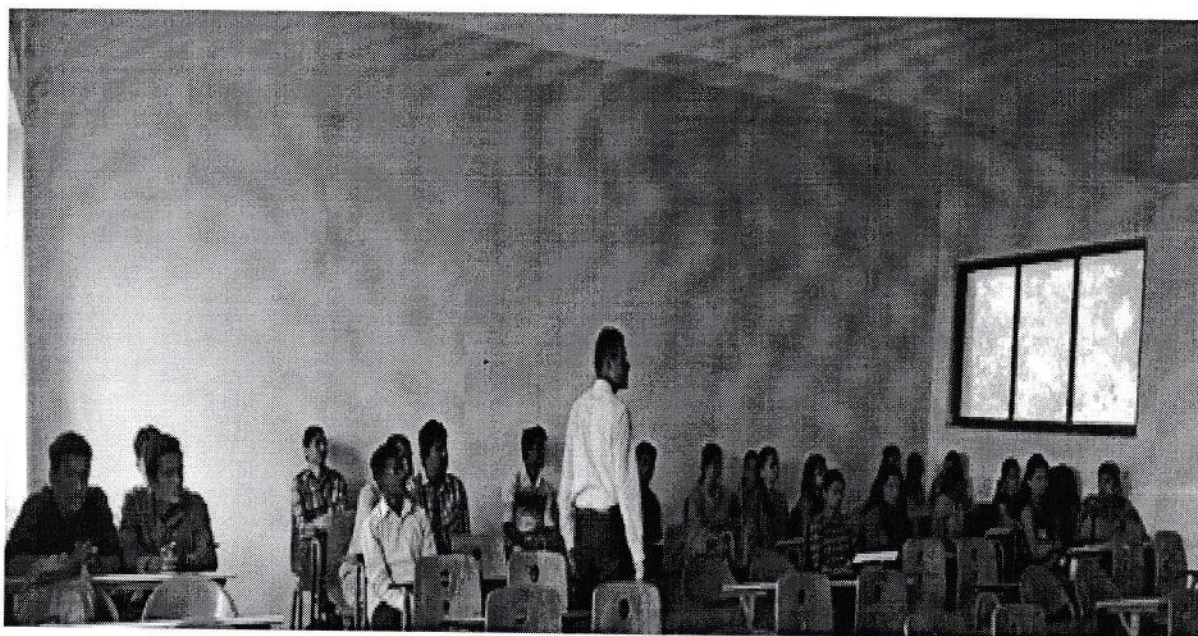
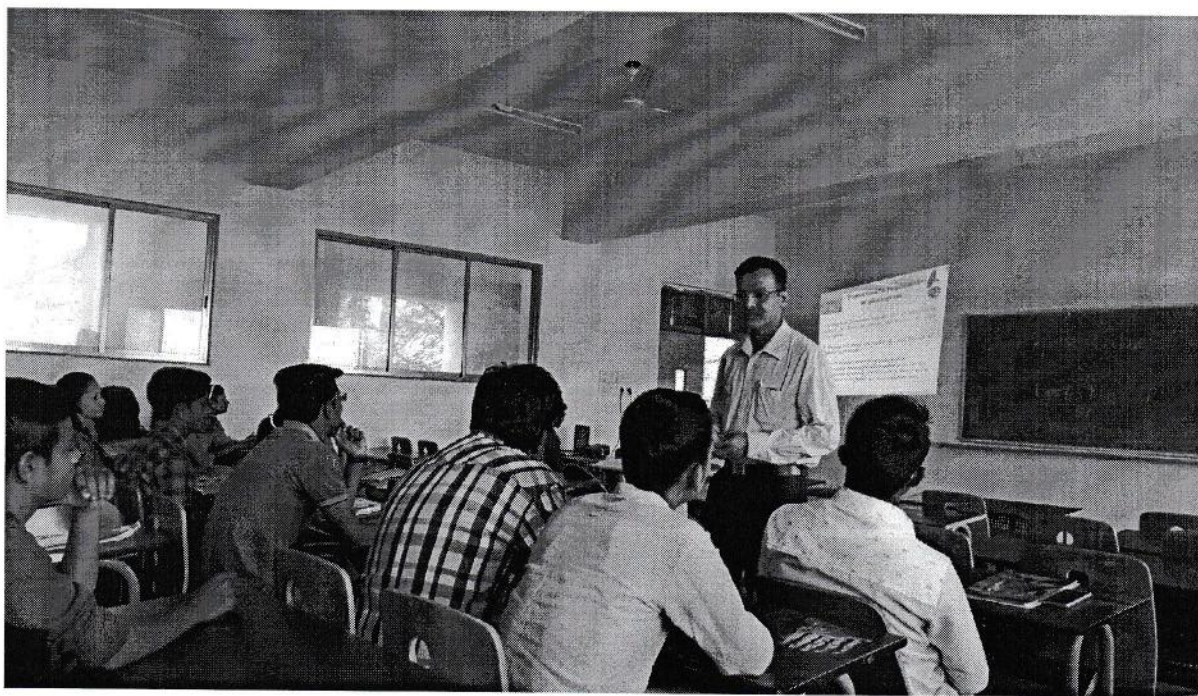
Yours Faithfully,

Recd
11/03/17

Coordinator
Ms.P.G.Bendre

H.O.D.
Mr. P. P. Kulkarni

Photos



Attendance

classmate

Date

Page

Date:- 03/03/2017

Name	Roll No.	Sign.
Sutar Vishal A.	47	Vishalsutar
Telavkar Omkar V.	49	Otelavkar
Chikodkar Kiran D.	09	Komkar
Gusar Indrajit B.	52	Burgar
Patil Vishal R.	36	V.R.
patil Sushant M.	33	Matis
Powar Akshay D.	39	Powar
Pingale Amrut A.	38	AAPingale
Mali Rohit H	23	RohitMali
Kamble Akshay V	16	AkshayKamble
Kamble Pankaj V	17	PankajKamble
Sonvane Sushil S	46	SSS
Pakhare Priyanka A.	26	Priyanka
Patil Priyanka S.	30	Priyanka
Lohar Yogita P.	22	Yohar
Todkar Prerana P.	55	Prerana
Shinde Savita L	44	Shinde
swarupa maruti patil	34	MarutiPatil
Powar Supriya Prakash	40	Supriya
Patil Gayatri Omkar	27	Gayatri
Patil Kalyan Sandeep	28	KPatil
Patil Vijaya Bajirao	35	VPatil
Jadhav Kalyani Ramesh	14	Kalyani
Mulla Rehana Anvar	24	Rehana
Shinde Neha Bahadur	43	NehaShinde
Shinde Aniket Ramakant	42	AniketShinde
Shivodkar Mahesh Mohan	48	Mahesh

Date- 02/03/2017

DEPARTMENT OF ELECTRICAL ENGINEERING

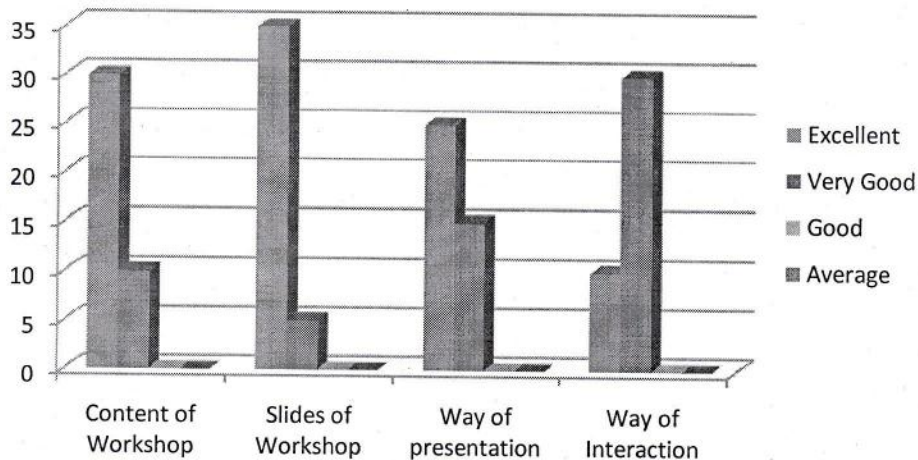
GUEST LECTURE ON LAWS FOR ENGINEERS

A.Y.2016-17

Feedback Analysis

Remark	Content of Workshop	Slides of Workshop	Way of presentation	Way of Interaction
Excellent	30	35	25	10
Very Good	10	5	15	30
Good	0	0	0	0
Average	0	0	0	0

FEEDBACK ANALYSIS 2016-17




(Head Electrical Engineering Dept.)
SANJEEVAN ENGINEERING AND
TECHNOLOGY INSTITUTE, PANHALA
Borwar Peth, Tal. Panhala, Dist. Kolhapur-416 201
MAHARASHTRA



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SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth, Panhala, Tal. Panhala, Dist. Kolhapur - 416 201.

Phone : 02328 - 235241, 235493 Fax : 02328 - 235241 Mobile : 9545451966, 9545453831

Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in / setipanhala@gmail.com

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Department of Electrical Engineering

Date: 02 /03 / 2017

GUEST LECTURE

"LAW FOR ENGINEERS"

Student Feedback Form

Instructions: Circle on the numbers (1 to 4 scale, 4 being the highest)

a) Content of the Workshop:	④	3	2	1
b) Depth of Knowledge:	④	3	2	1
c) Presentation Skills:	④	3	2	1
d) Way of Interaction:	④	3	2	1
e) Usefulness of the workshop:	④	3	2	1
f) Time management:	④	3	2	1
Overall rating of the workshop:	④	3	2	1

Any other Suggestions:

Nice teaching