



AISSMS

COLLEGE OF ENGINEERING



Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227
Accredited by NAAC with A+ Grade

SHRI MALOJIRAJE CHHATRAPATI
Honorary Secretary

Dr. D. S. BORMANE
Principal

Ref. NO:- CC/07/04/21/933/A

Date: 7/04/2021

To

The Chairman
Board of Studies (Computer Engineering)
SPPU, Pune

Subject: Suggestion for SE syllabus

The AISSMS College of Engineering has its Stakeholder feedback policy and receives feedback from various stakeholders namely Faculty, Students. In Feedbacks, we received questions on curriculum and its effective implementation.

Following suggestions were given by stakeholders. Therefore, we request you to consider these suggestions in the next revision of Second Year Computer Engineering Syllabus of 2019 Pattern.

1. Technical Skills in line with the requirements of the industry
2. Knowledge and skills used to solve real world problem on social, economic and health context
3. Engineering and economics
4. Course on environment and sustainability
5. Full stack development

We hope these inputs given for curriculum enrichment will be used to the course committees constituted in the forthcoming workshop.

With regards,
H.O.D (Computer Department)
H.O.D.
Computer Engg Dept
AISSMS COE Pune

To HOD Comp
Thanks for suggestions and
conveying gap in curriculum.
In next revision we shall see that
we try to bridge this gap.
Thanks again,
16/05/2021
BOS chairman comp Engg.

1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : www.aiissmscoe.com Email : contact@aiissmscoe.com, principal@aiissmscoe.com





AISSMS

COLLEGE OF ENGINEERING



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SHRI MALOJIRAJE CHHATRAPATI
Honorary Secretary

Dr. D. S. BORMANE
Principal

Ref NO: CC/12/3/20/840/A

Date: 12/03/2020

To

The Chairman
Board of Studies (Computer Engineering)
SPPU, Pune

Subject: Suggestion for TE syllabus

The AISSMS College of Engineering has its Stakeholder feedback policy and receives feedback from various stakeholders namely Faculty, Students. In Feedbacks, we received questions on curriculum and its effective implementation.

Following suggestions were given by stakeholders. Therefore, we request you to consider these suggestions in the next revision of Third Year Computer Engineering Syllabus of 2019 Pattern.

1. Environment friendly engineering solutions for sustainable development
2. Industry readiness
3. Knowledge and skills used to solve real world problem on social, economic and health context
4. Technical Skills in line with the requirements of the industry
5. Use of modern tools and technologies

We hope these inputs given for curriculum enrichment will be used to the course committees constituted in the forthcoming workshop.

With regards, *Vinod*

H.O.D (Computer Department)

H.O.D.
Computer Engg Dept
AISSMS COE Pune

To, HOD Comp,
AISSMS COE, Pune.

Thanks a lot for feedback.
Nyali
Chairman (BOS, comp. engg)

20/03/2020.

1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : www.aiissmscoe.com Email : contact@aiissmscoe.com, principal@aiissmscoe.com





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SHRI MALOJIRAJE CHHATRAPATI
Honorary Secretary

Dr. D. S. BORMANE
Principal

Ref NO:- CC/2/4/18/558/A

Date: 2/04/2019

To

The Chairman
Board of Studies (Computer Engineering)
SPPU, Pune

Subject: Suggestion for SE syllabus

The AISSMS College of Engineering has its Stakeholder feedback policy and receives feedback from various stakeholders namely Faculty, Students. In Feedbacks, we received questions on curriculum and its effective implementation.

Following suggestions were given by stakeholders. Therefore, we request you to consider these suggestions in the next revision of Second Year Computer Engineering Syllabus of 2019 Pattern.

1. Technical Skills in line with the requirements of the industry
2. Knowledge and skills used to solve real world problem on social, economic and health context
3. Mathematical concepts of Automata theory need to be included in Curriculum
4. Industry readiness
5. Use of modern tools and technologies

We hope these inputs given for curriculum enrichment will be used to the course committees constituted in the forthcoming workshop.

With regards,

H.O.D (Computer Department)

H.O.D.
Computer Engg Dept
AISSMS COE Pune

Received.
Thanks for suggestions.
we will surely incorporate
them.
Spah
Chairman, BOS (Comp Engg)
6/5/2019

1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : www.aissmscoe.com Email : contact@aissmscoe.com, principal@aissmscoe.com





Yogesh Chandwade <yrchandwade@aissmscoe.com>

Fwd: Revised curriculum of SE Production Engg (Sandwich Pat)

1 message

Sandeep Wankhade <shwankhade@aissmscoe.com>

Thu, Oct 19, 2023 at 10:53 PM

To: Yogesh Chandwade <yrchandwade@aissmscoe.com>, Nitin Shekapure <ngshekapure@aissmscoe.com>

Best Regards,

Sandeep Wankhade (PhD, FIE, TRIZ L3, USA)

Associate Prof, Dept. of Mechanical Engineering

AISSMS College of Engineering, Kennedy Road, Pune, MS, India - 411001

Mobile +91 7972970976

Kindly be Environment Friendly & Print only if Necessary... SAVE TREES...

The Vision of Dept: To be recognized as a premium centre in the field of Mechanical Engineering Education

----- Forwarded message -----

From: **Sandeep Wankhade** <shwankhade@aissmscoe.com>

Date: Sun, Feb 14, 2021 at 7:29 PM

Subject: Revised curriculum of SE Production Engg (Sandwich Pat)

To: <keshav1965@gmail.com>, <knnandurkar@kkwagh.edu.in>

Cc: nitin kundlik kamble <nkkamble11@rediffmail.com>, Divakar Joshi <dhjoshi@aissmscoe.com>, Nitin Shekapure <ngshekapure@aissmscoe.com>, Sandip Bidgar <skbidgar@aissmscoe.com>, Head Production <prod.hod@aissmscoe.com>

Resp Sir

At the onset I thank you for the guidance and approval of making modifications in the curriculum of SE Production Engineering (Sandwich pattern).

We the Faculty members of AISSMS COE and DYP COE have made the requisite changes as deemed useful for Sandwich pattern students. Please let us know your view on the same,

Please find attached the Minutes of meeting and revised syllabi of Manufacturing Engineering - II and Production and Industrial Management - I.

Kindly approve the revisions and permit to implement at the earliest.

We further request you to facilitate the Syllabi implementation meetings of the Courses common to Production - Plain and Sandwich pattern, particularly Electrical and Electronics Engineering as Faculty of both colleges are in dilemma about depth of coverage.

Best Regards,

Sandeep Wankhade (PhD, FIE, TRIZ L3, USA)

Associate Prof & Head,

Department of Production Engineering (Sandwich pattern)

AISSMS College of Engineering, Kennedy Road, Pune, MS, India - 411001

Mobile +91 9689916950 / 020 26058587 Ext 1901

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3 attachments**Minutes of Syllabus Revision meeting held in DYP COE Akurdi Pune.docx**

15K

**MP-II Revised Syllabus for Theory & Lab.docx**

22K

**PIM-I Revised Syllabus for Theory.docx**

24K



Yogesh Chandwade <yrchandwade@aissmscoe.com>

Fwd: Thanks for response

1 message

Sandeep Wankhade <shwankhade@aissmscoe.com>

Thu, Oct 19, 2023 at 10:54 PM

To: Yogesh Chandwade <yrchandwade@aissmscoe.com>, Nitin Shekapure <ngshekapure@aissmscoe.com>

Best Regards,

Sandeep Wankhade (PhD, FIE, TRIZ L3,USA)

Associate Prof, Dept. of Mechanical Engineering

AISSMS College of Engineering, Kennedy Road, Pune, MS, India - 411001

Mobile +91 7972970976

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----- Forwarded message -----

From: **Sandeep Wankhade** <shwankhade@aissmscoe.com>

Date: Sun, Feb 14, 2021 at 8:34 PM

Subject: Thanks for response

To: Keshav Nandurkar <knnandurkar@kkwagh.edu.in>

Resp Sir

Thanks for all the concern and prompt response.

We are working on the Structure designing of TE Production Sandwich Engineering.

Best Regards,

Sandeep Wankhade (PhD, FIE, TRIZ L3,USA)

Associate Prof & Head,

Department of Production Engineering (Sandwich pattern)

AISSMS College of Engineering, Kennedy Road, Pune , MS, India - 411001

Mobile +91 9689916950 / 020 26058587 Ext 1901

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On Sun, Feb 14, 2021 at 8:10 PM Keshav Nandurkar <knnandurkar@kkwagh.edu.in> wrote:

Thanks. I will go through it and get it approved in the next BOS meeting

On Sun, 14 Feb 2021, 7:30 pm Sandeep Wankhade, <shwankhade@aissmscoe.com> wrote:

Resp Sir

At the onset I thank you for the guidance and approval of making modifications in the curriculum of SE Production Engineering (Sandwich pattern).

We the Faculty members of AISSMS COE and DYP COE have made the requisite changes as deemed useful for Sandwich pattern students. Please let us know your view on the same,

Please find attached the Minutes of meeting and revised syllabi of Manufacturing Engineering - II and Production and Industrial Management - I.

Kindly approve the revisions and permit to implement at the earliest.

We further request you to facilitate the Syllabi implementation meetings of the Courses common to Production - Plain and Sandwich pattern, particularly Electrical and Electronics Engineering as Faculty of both colleges are in dilemma about depth of coverage.

Best Regards,

Sandeep Wankhade (PhD, FIE, TRIZ L3,USA)

Associate Prof & Head,

Department of Production Engineering (Sandwich pattern)

10/20/23, 10:21 AM

AISSMS College of Engineering Mail - Fwd: Thanks for response

AISSMS College of Engineering, Kennedy Road, Pune , MS, India - 411001
Mobile +91 9689916950 / 020 26058587 Ext 1901

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Yogesh Chandwade <yrchandwade@aissmscoe.com>

Fwd: Syllabus implementation meeting for TE (Production) revised 2019 course

1 message

Sandeep Wankhade <shwankhade@aissmscoe.com>
To: Yogesh Chandwade <yrchandwade@aissmscoe.com>

Thu, Oct 19, 2023 at 10:51 PM

Best Regards,

Sandeep Wankhade (PhD, FIE, TRIZ L3,USA)
Associate Prof, Dept. of Mechanical Engineering
AISSMS College of Engineering, Kennedy Road, Pune, MS, India - 411001
Mobile +91 7972970976
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----- Forwarded message -----

From: **Sandeep Wankhade** <shwankhade@aissmscoe.com>
Date: Tue, Oct 5, 2021 at 4:03 PM
Subject: Re: Syllabus implementation meeting for TE (Production) revised 2019 course
To: Padmakar Pawar <pjpawar@kkwagh.edu.in>
Cc: Veejhay Dholle <vddholle@aissmscoe.com>, Head Production <prod.hod@aissmscoe.com>, Keshav Nandurkar <knnandurkar@kkwagh.edu.in>, Principal <principal@aissmscoe.com>

Dear Sir

Thanks for the email.

Please add Prof V D Dholle in the mailing list, as he is Heading Production Engg Dept now.

Email id:

Veejhay Dholle <vddholle@aissmscoe.com>, Head Production <prod.hod@aissmscoe.com>

Best Regards,

Sandeep Wankhade (PhD, FIE, TRIZ L3,USA)
Associate Prof, Dept. of Mechanical Engineering
AISSMS College of Engineering, Kennedy Road, Pune, MS, India - 411001
Mobile +91 7972970976
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Vision of the Dept: To be recognized as a premium centre in the field of Mechanical Engineering Education

On Tue, Oct 5, 2021 at 3:15 PM Padmakar Pawar <pjpawar@kkwagh.edu.in> wrote:

Dear Sir/Madam

Syllabus implementation meeting for all subjects of Semester I of TE (Production) 2019 course is scheduled on Saturday, 9th October 2021 at 10.00 am in an online manner. The link for this meeting is: meet.google.com/xka-yzgp-ppw

Kindly make it convenient to attend the meeting.

Syllabus of TE (Production) 2019 course and subject wise panel list is attached herewith. After the inauguration function, the subject co-ordinators are requested to conduct meetings with the panel members of their respective subjects and submit the minutes of meeting to the undersigned on or before 12th October 2021.

Regards

Dr. Padmakar J. Pawar
Professor and Head
Department of Production Engineering,
K. K. Wagh Institute of Engineering Education & Research, Nashik
Ph: 9850972420





Santosh Dhekale <sbdhekale@aissmscoe.com>

Suggetions for Revised 2019 course TE(E&TC/EIx) Syllabus revision

2 messages

Head Electronics <entc.hod@aissmscoe.com>

Sun, Jan 17, 2021 at 3:47 PM

To: Dattatraya Bormane <bdattatraya@gmail.com>

Cc: "Dr. D S Bormane" <principal@aissmscoe.com>, Aslam Kazi <aykazi@aissmscoe.com>, avinash paygude <avinashpaygude@yahoo.com>, Kirtimalani Chaudhari <kbchaudhari@aissmscoe.com>, Nitin Mawale <npmawale@aissmscoe.com>, Prachi Vast <ppvast@aissmscoe.com>, R R Itkarkar <rritkarkar@aissmscoe.com>, Sandeep Gajar <stgajar@aissmscoe.com>, Santosh Dhekale <sbdhekale@aissmscoe.com>, Shashibhushan Dhiwar <smdhiwar@aissmscoe.com>, Smita Takalkar <satakalkar@aissmscoe.com>, Vipin Gawai <vbgawai@aissmscoe.com>, Vishnavi Navale <vsnavale@aissmscoe.com>, Vismita Nagrale <vdnagrale@aissmscoe.com>, Vrushali Deshmukh <vvdeshmukh@aissmscoe.com>, Yogita Lad <yplad@aissmscoe.com>

Reference: Your mail regarding TE(E&TC/EIx) Syllabus Revision dated 20 Dec 2020

Respected Sir,

We have received your mail regarding TE(E&TC/EIx) Syllabus revision. We are very much thankful to you for this mail. We have collected and analyzed feedback from various stakeholders regarding curriculum revision. We have summarised the suggestions and puttion for your kind consideration.

- Six month internship provision should be made into curriculum for better practical exposure. Some credits should be given to this.
- More credits to be given fro practical's
- Provision of electives to be made for Third year
- Block chain and cryptography related subject to be added
- Programming with GUI and backend DBMS to be added in TE Sem-I
- Robotics and AI to be included
- Basics of file handling to be added in the syllabus
- Wireless sensor networks subject should be included in Third Year syllabus.
- In DSP, introduction to Multirate signal processing may be added
- TE E&TC ... Power Electronics Subject: Design of UPS/Battery Chargers to be added, Power Diode and Power Transistors to be added
- PLC and IoT based Industrial Automation need to be added
- Practical Interfacing of smart sensors with controllers to be incorporated
- Subject on data analytics or data science to be added.
- In Business Management: Technological Innovation, Business ethics to be added
- In Microcontrollers or Advanced Processor subject, interfacing of Microcontrollers with wireless protocols needs to be included.
- One or two experiments on DSP processors may be added.
- In mini projects provision of Software projects such as web page development , App. Development can be included

- communication protocol development topic may be added in one of the subject

Suggestion for Elective Subjects to be added from TE E&TC (2019 Course)

- Computer graphics and microelectronics
- Industrial Automation
- Sensors and Interfaces
- DBMS
- Communication Protocol

You are always updating the curriculum as per industry requirements and helping to bridge the gap between Industry and academia. We also would like to express our gratitude to making the provision of Honor degree in the curriculum.

Kindly consider the above suggestions while framing Third year syllabus.

Kindly acknowledge the receipt of mail.

Thanking you.

Regards,

Dr. D.G. Bhalke (PhD, FIE, LMISTE, FIETE, Sr. Member IEEE)
Prof & Head,

Department of Electronics and Telecommunication Engineering ,
AISSMS College of Engineering, Kennedy Road, Pune , MS, India - 411001
NAAC Accredited (A+)

Mobile +91 9028299230 / 020 26058587 Ext 1601

Kindly be Environment Friendly & Print only if Necessary... SAVE TREES...

Vision of Department:

Society Growth and Welfare Through Competent Electronics and Communication Engineering Graduates.

Mission of Department:

To impart quality education in the field of E & TC engineering to solve societal and industrial problems with focus on trans disciplinary approach

To provide stimulating learning environment with modern tools & technologies.

To produce dynamic graduates with ethics and moral values.

To facilitate E & TC graduates with sight of innovation

Programme Educational Objectives (PEOs):

PEO1: To build strong fundamental knowledge among graduates required to pursue their higher education and continue professional development

PEO2: To enable graduates to identify, analyze and solve Electronics and communication engineering problems by applying basic principles and modern techniques.


PEO3: To enable graduates to innovate, design and develop hardware & software components and groom their ability to succeed in multidisciplinary & diverse field.

PEO4: To imbibe professional attitude, effective communicational skills, team work skills for becoming a responsible, cultured human being

Programme Specific Outcomes:

PSO1: Analyze Design and test Analog and Digital circuits and systems for given application.

PSO2: Implements technical blocks of hardware – software co-design for Embedded & Robotics automation application.

 curriculum revision suggetions_AISSMSCOE.docx
19K

Head

Department of Electronics & Telecommunication
AISSMS'S COE PUNE-411001

Santosh Dhekale <sbdhekale@aissmscoe.com>

Fri, Mar 4, 2022 at 8:36 AM

20-21

Evidences of DAB Meeting



AISSMS
COLLEGE OF ENGINEERING

आत्मं सफलतामहिताय
Approved by NAAC with "A" Grade

Department of Civil Engineering



VISION:- Nurture the talent in Civil Engineers to work as global leaders for development of society.

Ref. No :- CIVIL

Date : 12/10/2020

To,

Dr. C. Krishnaiah,

Scientist -D Chief research officer,

CWPRS, Pune

Subject: Invitation for meeting of Department Advisory Board (DAB)

Dear Sir

This is to inform you that the meeting of Department Advisory Board (DAB) of Civil engineering department of academic year 2020 - 21 is scheduled on 9th November, 2020 i.e. Monday at 03:00 pm at Civil Engineering Seminar Hall (440).


You are requested to make it convenient to attend the meeting and give your valuable suggestions for improvement of department in all aspects.

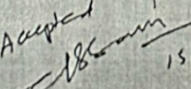
Agenda for the meeting is -

1. Discussion and approval on Vision Mission Statements of Department of Civil Engineering
2. Program Educational Objectives, Program specific outcomes and Program Outcomes
3. Academic plans preparation by faculty members for their respective courses allotted by the Department
4. Approval of Academic Planner
5. Thrust areas to conduct Co-Curricular activities
6. Topics beyond the syllabus and additional experiments to meet PEOs and Pos
7. Functioning of Centre of Excellence/Incubation Centre

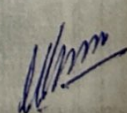
Value added training courses

With warm regards


Dr. UR Awari
Head of Department
Civil Department

Accepted

15/10/2020

Mission: - M1: Provide quality education to develop competent Civil Engineers.
M2: Create awareness among students for sustainable development.
M3: Cultivate the leadership qualities for becoming successful entrepreneurs.


HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS's COE, PUNE-1.

Civil
Engineering
Department

Vision: Nurture the Talent In Civil Engineers to Work as Global Leaders for the Development of Society



Board of Studies in Civil Engineering
Faculty of Science and Technology
Savitribai Phule Pune University
Pune 411007

Prof. Shreenivas N. Londhe,
Ph.D. (IIT Bombay), P.D.F. (U.S.A)
Professor, Department of Civil
Engineering
Cell: 9422037789, (R): 24359349.
E-mail: shreenivas.londhe@vjit.ac.in

August 23, 2021

To whom So every it may concern

This is to put on record the contribution made by Prof. (Dr). U.R.Awari of AISSMS COE Pune as coordinator for syllabus revision of T E (Civil Engineering) 2019 course. On behalf of the Savitribai Phule Pune University, faculty of Science and Technology and Board of Studies in Civil Engineering I thank Dr. Awari for his gigantic efforts for revising the syllabus of TE (Civil Engineering) 2019 course. The syllabus was drafted for 7 regular courses, 2 electives (6 courses in each), labs for the same, along with detailing of seminar and internship for TE Civil. He and his team left no stones unturned to finish this mammoth task in time and in all respects. Thank you Dr. Awari and team

Prof. Shreenivas Londhe
Chairman (BOS) Civil Engineering

**HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS's COE, PUNE-1.**

Ph: +91-020-26950200, 26950400, 26950448 Fax: +91-020-26950450



Uttam Awari <urawari@aissmscoe.com>

Suggestion for 2019 course syllabus

2 messages

Uttam Awari <urawari@aissmscoe.com>
 To: Shreenivas Londhe <shreenivas.londhe@viit.ac.in>

Sun, May 2, 2021 at 10:22 PM

Dear sir please find attached herewith suggestion for drafting of T E Civil 2019 pattern syllabus.

--

Regards

Dr. Uttam R Awari

Head of Department

Civil Engineering Department

AISSMS College of Engineering, Pune - 01

Ph. 020-26057660/26058587 Ext. 1301

Email Id - civil.hod@aissmscoe.com


Website - www.aissmscoe.com

Vision :

- Nurture the talent in Civil Engineers to work as global leaders for development of society

Mission:

- Provide quality education to develop competent Civil Engineers
- Create awareness among students for sustainable development
- Cultivate the leadership qualities for becoming successful entrepreneurs

 Suggestion to chairman BOS.docx
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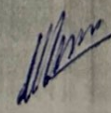
Shreenivas Londhe <shreenivas.londhe@viit.ac.in>
 To: Uttam Awari <urawari@aissmscoe.com>

Mon, May 3, 2021 at 9:12 AM

Thanks for the mail. We will certainly consider the suggestions while finalizing the draft
 Prof. Londhe

[Quoted text hidden]

--
 Prof. Shreenivas Londhe Ph.D. P. D. F.
 Professor in Civil Engineering
 Vishwakarma Institute of Information Technology Pune
 cell: 9422037789
<http://www.viit.ac.in/index.php/component/joomla/snlonthe?Itemid=&back=1>


**HEAD OF DEPARTMENT
 CIVIL ENGINEERING
 AISSMS's COE, PUNE-1.**

<https://mail.google.com/mail/u/0/?ik=0bd4d7837f&view=pt&search=all&permthid=thread-a%3Ar-2367258025832535637&siml=msg-a%3Ar-2358> 1/1

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To

The Chairman

Board of Studies Civil Engineering

Savitribai Phule Pune University

Pune 411 005

Subject: Suggestion for the drafting of T E Syllabus

Dear Sir

With reference to above subject, meeting of faculties was conducted for the suggestion to draft 2019 patterns syllabus for T E Civil Engineering. After brain storming session, we conclude the following suggestion for 2019 pattern syllabus.

1. Advanced mechanics of structures, Advanced design of steel structure, Advanced design of concrete structure, Forensic Engineering & Rehabilitation and Structural audit & retrofitting of structures to be added under the electives courses in continuation with the core courses of structure specialization so that faculties with structure specialization is utilized up to VIII semester.
2. Internship for two continuous weeks to be implement at the beginning of the VI semester. Students are to be placed in construction industry, construction firm, civil consultant, research institute, research centre of institute, government organization and civil contractors. For non allotted students' compulsory submission of assignment of 12 weeks MOOC/SWAYAM courses to be considered, examination should not be mandatory.
3. Working stress method for design of reinforced concrete structures was outdated, it to be skipped in design of reinforced concrete structures. It may be include in advanced design of concrete structures if it's necessary.
4. At present the contents of Structural design I is too vast, it is difficult to complete the syllabus in 03 hours/week by normal faculty, hence unwanted content to be skipped such as beam to beam and beam to column connection.


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5. As per the current requirement of the society emerging containment, effective management of the sludge, effective package wastewater treatment plants in societies, aerobic & anaerobic treatment methods and emerging wastewater treatment system to be implement in 2019 pattern syllabus.

Regards

Uttam R Awari

Head, Department of Civil Engineering

AISSMS College of Engineering

Pune

Date: 02.05.2021



HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS's COE, PUNE-1.

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Fwd: Coordinator for SE Civil 2019 syllabus revision.

Deepa Joshi <joshi.deepa13@gmail.com> Sat, Mar 28, 2020 at 12:57 PM
 To: "urawari@aissmscoe.com" <urawari@aissmscoe.com>, srparekar <srparekar@gmail.com>, "spatil.entc@gmail.com" <spatil.entc@gmail.com>, "swapnil.kurhade@pccoepune.org" <swapnil.kurhade@pccoepune.org>, "mnbajad@sinhgad.edu" <mnbajad@sinhgad.edu>, "pramodkolase@gmail.com" <pramodkolase@gmail.com>, "nitin_adi59@rediffmail.com" <nitin_adi59@rediffmail.com>, "dpcocivil1@gmail.com" <dpcocivil1@gmail.com>, sawarkarsir@gmail.com, kandekars@rediffmail.com
 Cc: Madhukar Wakchaure <mrw12@rediffmail.com>, numate@rediffmail.com

Respected All
"Greetings!"

I am forwarding mail received from Dr. Wakchaure Sir, "
Kind request to all to go through all attachments of the mail.

Draft of syllabus of 'Mechanics of Structures' is one of the attachment, all are requested to check it.

Thanks & Regards...

Prof. (Dr.) Deepa A. Joshi
Professor & HOD, Civil Engineering
Dr. D. Y. Patil Institute of Technology,
Pimpri, Pune 411 018.





----- Forwarded message -----
 From: Madhukar Wakchaure <mrw12@rediffmail.com>
 Date: Fri, Mar 27, 2020 at 11:40 AM
 Subject: Coordinator for SE Civil 2019 syllabus revision.
 To: <joshi.deepa13@gmail.com>, <numate@rediffmail.com>


PFA

Save papers where ever possible.
Always with & for you,

Dr. Madhukar R. Wakchaure,
BE (Civil), ME(Structures), Ph.D.
Member, BOS (Civil Engineering), SPPU, Pune
Professor & Dean Academic,
Amrutvahini College of Engineering, Sangamner
Mobile: - 09422736711

6 attachments

-  0_Notice_SE_Syllabus_SPPU_AVCOE.docx
38K
-  0_Revised_structure_FE_to_BE.pdf
489K
-  0_Rules_and_Regulations_for_UG_choice_based_credit_system_2019_F.pdf
358K
-  0_RUSA_1.pdf
9951K


HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS's COE, PUNE-1.



Uttam Awari <urawari@aissmscoe.com>

Fwd: Coordinator for SE Civil 2019 syllabus revision.

Uttam Awari <urawari@aissmscoe.com>

Wed, Apr 1, 2020 at 10:42 PM

To: Deepa Joshi <joshi.deepa13@gmail.com>

Cc: srparekar <srparekar@gmail.com>, spatil.entc@gmail.com, "swapnil.kurhade@pccoepune.org" <swapnil.kurhade@pccoepune.org>, "mnbajad@sinhgad.edu" <mnbajad@sinhgad.edu>, "pramodkolase@gmail.com" <pramodkolase@gmail.com>, "nitin_adi59@rediffmail.com" <nitin_adi59@rediffmail.com>, "dpcoecivil1@gmail.com" <dpcoecivil1@gmail.com>, sawarkarsir@gmail.com, kandekars@rediffmail.com, Madhukar Wakchaure <mrw12@rediffmail.com>, numate@rediffmail.com

With reference to your mail pl go through the content of mechanics of materials and structural analysis.

Mechanics of material

Unit I: Stresses and strains in determinate, indeterminate, stepped and composite section. Temperature stresses and stresses in thin cylindrical shell

Unit II: SFD and BMD

Unit III: Bending and shear stresses

Unit IV: Torsion and principal stresses

Unit V: Axial loaded column, direct and bending stresses.

VI: Slope and deflection by Macaulays, moment area, conjugate beam and strain energy method.

Structural Analysis

Unit I: Basic concept of structural analysis, static and kinematic indeterminacy, concept of strain energy method.

Analysis of propped cantilever, fixed and continuous beams.

Unit II: Moving load and influence line diagram.

Unit III: Moment distribution method

Unit IV: Slope deflection method

Unit V: Flexibility method

Unit VI: Stiffness method

These are my recommendation for drafting syllabus of mechanics of structures and structural analysis for Civil engineering

Uttam R Awari

[Quoted text hidden]

**HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS's COE, PUNE-1.**

<https://mail.google.com/mail/u/0/?ik=0bd4d7837f&view=pt&search=all&permmsgid=msg-a%3Ar-0324948225527831660&siml=msg-a%3Ar-032...> 1/1

Final draft of the Syllabus of Structural Analysis - SE Civil -2019 Course, wef from 2020

From: Jyoti Bhusari (jpbhusari.scoe@sinhgad.edu)

To: mrw12@rediffmail.com; shreenivas.londhe@viit.ac.in; snlondhe@gmail.com; sandipkolhe44@gmail.com; pingalavnath@yahoo.co.in; vijushinermd@gmail.com; royalvpk@gmail.com; cbnnayak@gmail.com; ssangalekar.scoe@sinhgad.edu; pmalandkar.scoe@sinhgad.edu; meetmeraj@rediffmail.com; ylbhirud@yahoo.co.in; urmilaanagar@gmail.com; drsandeeephake@gmail.com; joshi.deepa13@gmail.com; mnbajad@sinhgad.edu; mvbhogone.scoe@sinhgad.edu; ssshastri.scoe@sinhgad.edu; pddhake@kkwagh.edu.in; ura_civil@yahoo.co.in; srparekar@gmail.com

Date: Sunday, 19 April, 2020, 01:57 pm IST

To:
Dr. Madhukar R. Wakchaure,
Member, BOS (Civil Engineering), SPPU, Pune .

Firstly, let me thank Chairman BOS (Civil) and BOS members for giving me the opportunity of drafting the final copy of syllabus of Structural Analysis as SPPU level subject coordinator for SE-Structural Analysis. As per the guidelines given by you in the capacity of Member, BOS (Civil Engineering), SPPU, Pune, we have finalized the syllabus in terms of course content, course objectives and course outcomes.

Once the draft copy of the syllabus framed by the AVCOE Sangamner level committee (Subject Coordinator- Prof. S.B. Kolhe) was received, I mailed the AICTE/SPPU guidelines regarding Hr/Week, credits, position of the subjects and the total syllabus frame from SE to BE and the draft of syllabus of Mechanics of Structures and Structural Analysis to my committee members and also called them personally to study the content and suggest changes, additions or deletions if any.

I had continuous discussions with Dr. Deepa Joshi, SPPU subject coordinator- Mechanics of Structure; for finalising the syllabus of Mechanics of Structures since both subjects are related to each other. Thus, the Structural analysis syllabus was framed accordingly considering the content finalized in Mechanics of Structures.

From my committee, I received suggestions from Dr. Y.L Bhirud, Dr. U. R. Kawade They were persistently giving me suggestions and possible solutions for framing the syllabus in the best possible way. We have tried our best in achieving the balance between the comprehensiveness of the subject while keeping in mind the stress and workload of the students.

Apart from this, I also had valuable inputs received from Dr. U. R. Awari, Dr. S. R. Parekar, Dr. P. D. Dhake and Manjunath Bhogone, which were to the best possible extent, incorporated in the syllabus framed.

At my college level, some suggestions were given by Dr. M. N. Bajad and Dr. P. B. Kodag.

I thank all those who have contributed in framing this syllabus.


Please find attached the final draft copy of the syllabus in this mail.

Thank you.

With warm regards,
Prof. Jyoti. P. Bhusari
Department of Civil Engineering
Sinhgad College of Engineering, Pune
Email: jpbhusari.scoe@sinhgad.edu
Mobile: 8149107344

Sinhgad Technical Education Society | www.sinhgad.edu

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HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS'S COE, PUNE-1.

Communication to BOS

9/2/22, 3:01 PM

AISSMS College of Engineering Mail - Suggestion for 2019 course syllabus



Uttam Awari <urawari@aiissmscoe.com>

Suggestion for 2019 course syllabus

2 messages

Uttam Awari <urawari@aiissmscoe.com>
 To: Shreenivas Londhe <shreenivas.londhe@vilit.ac.in>

Sun, May 2, 2021 at 10:22 PM

Dear sir, please find attached herewith suggestion for drafting of T E Civil 2019 pattern syllabus.

--
 Regards

Dr. Uttam R Awari
 Head of Department
 Civil Engineering Department
 AISSMS College of Engineering, Pune - 01
 Ph. 020-26057660/26058587 Ext. 1301
 Email Id - civil.hod@aiissmscoe.com
 Website - www.aiissmscoe.com

Vision :

- Nurture the talent in Civil Engineers to work as global leaders for development of society

Mission:

- Provide quality education to develop competent Civil Engineers
- Create awareness among students for sustainable development
- Cultivate the leadership qualities for becoming successful entrepreneurs

Suggestion to chairman BOS.docx
 98K

Shreenivas Londhe <shreenivas.londhe@vilit.ac.in>
 To: Uttam Awari <urawari@aiissmscoe.com>

Mon, May 3, 2021 at 9:12 AM

Thanks for the mail. We will certainly consider the suggestions while finalizing the draft
 Prof. Londhe
 [Quoted text hidden]

--
 Prof. Shreenivas Londhe Ph.D. P. D. F.
 Professor in Civil Engineering

HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS's COE, PUNE-1.

Civil
 Engineering
 Department

Vision: Nurture the Talent In Civil Engineers to Work as Global Leaders for the Development of Society



शैक्षणिक विभाग
गणेशखिंड, पुणे-४११ ००७
दुरध्वनी क्र.: ०२०-२५६०१२५७/५८
ई-मेल : boards@pun.unipune.ac.in
संकेतस्थळ : www.unipune.ac.in

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)
Savitribai Phule Pune University
(Formerly University of Pune)

Academic Section
Ganeshkhind, Pune-411 007
Phone : 020-25601257/58
E-mail : boards@pun.unipune.ac.in
Website : www.unipune.ac.in

संदर्भ क्र. CB/S&A/168

दिनांक: 11/03/2019

सभेची सूचना

इलेक्ट्रिकल इंजिनिअरिंग (Electrical Engineering) अभ्यासमंडळाची सभा गुरूवार, दि. १४ मार्च, २०१९ रोजी सकाळी ११:१५ वाजता शैक्षणिक विभाग सभागृह, सावित्रीबाई फुले पुणे विद्यापीठ, पुणे-४११ ००७ येथे आयोजित करण्यात आलेली आहे.

मा. सदस्यांनी सभेस उपस्थित रहावे. ही विनंती.

कक्षाधिकारी
(शैक्षणिक विभाग)

१. डॉ. बंसिधर एकनाथ कुशारे(अध्यक्ष) कर्मवीर काकासाहेब वाघ इन्स्टिट्यूट ऑफ इंजिनिअरिंग एज्युकेशन अँड रिसर्च, हिराबाई हरिदास विद्यानगरी अमृतधाम पंचवटी, नाशिक ईमेल - kusharebel1234@gmail.com मोबाईल - ९७६२४६८५७३	२. डॉ.एम.जी.उंडे झील एज्युकेशन सोसायटीचे झील कॉलेज ऑफ इंजिनिअरिंग अँड रिसर्च,स.नं.३९, कात्रज-धायरी रोड,न-हे, पुणे-४११०४१ ईमेल - mg_unde@rediffmail.com मोबाईल - ९९२२७२७०८८
३. डॉ. जी. ए. वैद्य पुणे विद्यार्थी गृहाचे कॉलेज ऑफ इंजिनिअरींग अँड टेक्नॉलॉजी, ४४ विद्यानगरी,पर्वती, पुणे-४११ ००९ ईमेल - geetvaidya@yahoo.com मोबाईल - ९८८१२०२०५७	४. डॉ. अमोल कलगे सिंहगड इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, स.नं.३०९/३१०,कुसगाव बु., लोणावळा, ता.मावळ, जि. पुणे-४१०४०१ ईमेल - aak.sit@sinhgad.edu मोबाईल - ८६०५०३३२४५
५. डॉ. एस. ए. देवकर झील एज्युकेशन सोसायटीचे झील कॉलेज ऑफ इंजिनिअरिंग अँड रिसर्च, स.नं.३९, कात्रज-धायरी रोड,न-हे, पुणे-४११०४१ ईमेल - s.deokare@rediffmail.com मोबाईल - ९८२३१४१२८७	६. डॉ. डी. पी. कदम मुंबई एज्युकेशन ट्रस्टचे इन्स्टिट्यूट ऑफ इंजिनिअरींग,भुजबळ नॉलेज सिटी, आडगाव,नाशिक-४२२००३ ईमेल - dpkadam@gmail.com मोबाईल - ९४२२८३८७१६

Head
Electric Engg Dept
Head

Department of Electrical Engineering
AISSMS College of Engineering, Pune

७.	डॉ. बी. एन. चौधरी कॉलेज ऑफ इंजिनिअरिंग, शिवाजीनगर, पुणे-४११००५ ईमेल - bnc.elec@coep.ac.in मोबाईल - ९४२३५८२०२७	८.	डॉ. निलीमा रविंद्र कुलकर्णी प्रोग्रेसिव्ह एज्युकेशन सोसायटीचे मॉडर्न इंजिनिअरिंग कॉलेज, ११८६ अ.जे.एम.रोड, शिवाजीनगर, पुणे-४११००५ ईमेल - nrkmcoe@gmail.com मोबाईल - ९९२२७११३०६
९.	डॉ. अश्विनी अविनाश गोडबोले ऑल इंडिया श्री. शिवाजी मेमोरिअल सोसायटीचे ए.आय.एस.एस.एम.एस. कॉलेज ऑफ इंजिनिअरिंग, केनेडी रोड, पुणे-४११००१ ईमेल - aagodbole@aissmscoe.com मोबाईल - ९८५०५०३४१०	१०.	डॉ. पी.एम्.जोशी ३२,मंगळवार पेठ, सातारा-४१५००२ ईमेल - dr.pmjoshi@gmail.com मोबाईल - ९९६९१६८२७२
११.	डॉ.एस.ई.तळोले फ्लॅट नं.२५, सत्यमेव कॉ.हौ.सोसायटी, एन.डी.अ.रोड, बावधन, पुणे-४११०२१ ईमेल - setalole@hotmail.com मोबाईल - ९८५०७९४८२९	१२.	डॉ.एस.आर.देशमुख पुणे विद्यार्थी गृहाचे कॉलेज ऑफ इंजिनिअरींग अॅन्ड टेक्नॉलॉजी,४४ विद्यानगरी,पर्वती,पुणे-४११ ००९ ईमेल - dsurekha@hotmail.com मोबाईल - ९८९०१७९३९८
१३.	डॉ.शाशांक वेखंडे ए १४०२अॅस्टर, रेजन्सी गार्डन, सेक्टर ६, खारघर, नवी मुंबई-४१०२१० ईमेल - swekhande@gmail.com मोबाईल - ९८२०१५६८१८	१४.	श्री.नरेंद्र दुवेदी १७/१८,ऐश्वर्या संकुल,फ्लॅट नं.२, जी.अ.कुलकर्णी रोड,कोथरूड, पुणे-४११०३८ ईमेल- narendra.duvedi@saspowertech.com मोबाईल - ९८२२५२८७३४

Agenda

1. Welcome members of BOS.
2. Discussion on revision of curriculum and theme paper.
3. Any other point with permission of chair.

Copy f.w.cs for information and necessary action to

1. The Finance and Accounts officer, S. P. Pune University, Pune-7.


Head
Electrical Engg Dept
Head

Department of Electrical Engineering
AISSMS College of Engineering, Pune



सावित्रीबाई फुले पुणे विद्यापीठ

गणेशखिंड, पुणे - ४११००७

Savitribai Phule Pune University

Ganeshkhind, Pune - 411007



स्वातंत्र्यसैन्याचा जन्मण मंडळ

दूरध्वनी क्रमांक : ०२०- २५६२११५६/५७/७९

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शैक्षणिक विभाग (मान्यता कक्ष)

Academic Section (Approval Cell)

वेबसाइट / Website : www.unipune.ac.in

सभेची सूचना

विज्ञान व तंत्रज्ञान विद्याशाखेतर्गत इलेक्ट्रिकल इंजिनियरिंग अभ्यासमंडळाची सभा मंगळवार, दि. ६ जून, २०२३ रोजी दुपारी ४.०० वाजता संत ज्ञानेश्वर सभागृह, मुख्य इमारत, सावित्रीबाई फुले पुणे विद्यापीठ, पुणे - ४११ ००७ येथे आयोजित करण्यात आलेली आहे.

मा. सदस्यांनी सभेस उपस्थित रहावे. ही विनंती.

जावक क्र. सीबी/SSA/२५८)
दिनांक. ...१५ मे, २०२३)
)

(डॉ. मुंजाजी रासवे)

उपकुलसचिव

(शैक्षणिक विभाग मान्यता कक्ष)

प्रति,

- ✓
- १ डॉ. गोडबोले अश्विनी ए.
ए.आय.एस.एस.एम.एस. कॉलेज ऑफ
इंजिनियरिंग, केनेडी रोड,
पुणे - ४११००१
 - ३ डॉ. देवकर संजय ए.
शरदचंद्र पवार कॉलेज ऑफ इंजिनियरिंग
अॅण्ड टेक्नॉलॉजी, सोमेश्वरनगर,
ता. बारामती, जि. पुणे - ४१२३०६
 - ५ डॉ. जोशी वृंदा
पुणे विद्यार्थी गृहाचे कॉलेज ऑफ
इंजिनियरिंग अॅण्ड टेक्नॉलॉजी अॅण्ड जी.
के. पाटे (वाणी) इन्स्टिट्यूट ऑफ
मॅनेजमेंट, विद्यानगरी, पर्वती,
पुणे - ४११ ००९
 - ७ डॉ. चाफेकर शलाका नितीन
प्रोग्रेसिव्ह एज्युकेशन सोसायटीचे, मॉडर्न
इंजिनियरिंग कॉलेज, ११८६ अ, जे.
एम. रोड, शिवाजीनगर,
पुणे - ४११००५
 - २ डॉ. कदम दिपक प्रकाश
एम.ई.टी. इन्स्टिट्यूट ऑफ इंजिनियरिंग,
भुजबळ नॉलेज सिटी, आडगांव,
नाशिक - ४२२२०७
 - ४ डॉ. लावरे अजित रामभाऊ
डॉ. विठ्ठलराव विखे पाटील कॉलेज ऑफ
इंजिनियरिंग, विळदघाट,
अहमदनगर - ४१४१११
 - ६ डॉ. खुळे श्रीधर शांताराम
मातोश्री शिक्षण संस्थेचे, इंजिनियरिंग
कॉलेज ऑफ रिसर्च सेंटर,
औरंगाबाद रोड, ओढागावाजवळ,
ता. नाशिक - ४११०४१
 - ८ डॉ. सरवदे अविनाश नामदेव
सिंहगड टेक्निकल एज्युकेशन सोसायटीचे,
सिंहगड कॉलेज ऑफ इंजिनियरिंग,
४४/१, वडगाव बु., पुणे - ४११०४१

Head
Electrical Engg Dept
Head

Department of Electrical Engineering
AISSMS College of Engineering, Pune

S

suhail ahmed shaikh <suhailmshaikh05@gmail.com>
to me

Wed, 9 Dec 2020, 11:50

Dear Apte Madam,

Good Morning!

I am humbled to provide feedback on the existing BE Electrical curriculum. To give a brief about myself, I graduated from AISSMS college in the year 2009 in Electrical Engineering and consider myself extremely fortunate to have studied under the professors of AISSMS. They were diligent in their teaching and supported the student in every aspect needed. After passing out I have worked in manufacturing companies for heavy electrical equipment (Power Transformers) and currently now I am working at an international utility as design engineer of transmission substation.

Although I am not an academic expert and I am certain that the faculty and the education board are at a higher level to decide what's best for the students. After going through the syllabus I do feel the current syllabus is highly relatable to the existing trends in the sector and that's really good. Considering the experience I had after passing out and going through the current syllabus of TE and BE, below would be my feedback.

1. Firstly the college should have a career section/expert committee who can groom the technical graduates in developing their soft skills and present capabilities. This is because no matter how technically competent the student might be the soft skill part is equally important for overall development and any selection.
2. In TE, the course Technology and Industrial management looks like a course which develops managerial skills of the students. Ideally this should be done 4th yr after the student is thorough with technical knowledge and ready to manage people, organisation.
3. In TE, the Advance Micro controller module, only one micro controller is considered and the syllabus for one term looks less. Suggestion is to consider one major chip from 32 bit and 16 bit family. **And most importantly their teaching should be co-related to their existing application in industry with a practical component included in the evaluation.**
4. In TE, Electrical Maintenance Module, the industrial visit is to only one repair workshop which is not sufficient. In general the visit should be to any facilities' electrical maintenance department in addition to a repair workshop. The bigger the facility the more exposure to students.
5. In TE, the seminar shall have two seminars, one should be any topic from the existing syllabus and second should be any future electrical trends that the industry considers.
6. In TE, Power system II or BE Power Systems Operation and Control or Power Quality module, there should be some tie up with industry to expose students to actual load flow planning and studies, power quality maintenance in a utility in their actually used softwares as a case study. It can either be introduced through an industrial visit or practicals.
7. In TE, Utilization of Electrical energy should have a component of a compulsory presentation by students on any utilization of their choice with a case (industry/R&D). In addition to being just a theoretical assessment.
8. In BE, PLC & SCADA the industrial visit should be evaluated with a report from students as a case study.
9. In BE elective, Renewable Energy, the battery management module should be in line with the latest advancements in the industry.
10. I didn't see any subject covering design, construction, operation and maintenance of high voltage capacitors, inrush damping reactors, high voltage series reactors, which can be included. (Kindly forgive me if I missed to notice).

All in all when looking at the BE modules it looks to address the latest development like Smart Grids, Electric Vehicles, Solar (although I feel renewables should be a compulsory module rather than elective) which is really good. However to inculcate long lasting knowledge and better understanding, the best way is to club learning with a presentation/seminar/practical demo by student wherever it is not included.


In addition, currently there are emerging trends like complete digital substation, involving artificial intelligence and data analytics, however these are still under development and you can keep an eye on these for future inclusion.

The curriculum should be such as to train the student with theory and exposure to **cutting edge latest technologies related to that subject in the industry** to make them industry ready. This can be possible with right tie ups with industries and also making the students deliver practical presentations/demonstrations or even involve selected students in real ongoing industrial/government projects.

I hope my feedback makes a difference in some minor way.

Thank you for the opportunity madam. Best wishes to the staff.

Regards,


Head
Electrical Engg Dept

Department of Electrical Engineering
AISSMS College of Engineering, Pune



AISSMS

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by
Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University
and recognized 2(f) and 12(B) by UGC (Id.No. PU / PN/ Engg. / 093 (1992)
Accredited by NAAC with 'A+' Grade



Invitation for TE Electrical Syllabus (2019 Course) revision workshop

Respected Sir/Madam,

Department of Electrical Engineering, AISSMS College of Engineering, Pune is organizing **Third Year (TE) Electrical Engineering syllabus (2019 Course) revision workshop** through **online mode** on **02nd June (Wednesday) 2021**.

You are requested to attend the workshop and give your valuable suggestions for the enrichment of the syllabus.

Schedule is enclosed herewith.

Workshop Schedule

Sr No	Event	Time	Event Co-ordinator
1	Inaugural Function Address by Principal, BOS Chairman & BOS Members	10.30 am – 11.00 am	Prof V.S. Ponshe Prof P. Sankala
2	Syllabus discussion By Subject Chairman with Expert faculties	11.00 am – 01.00 pm	Departmental faculty Co-ordinator for each subject
3	Lunch Break	01.00 pm – 02.00 pm	
4	Syllabus discussion By Subject Chairman with Expert faculties	02.00 pm – 04.00 pm	Departmental faculty Co-ordinator for each subject
5	Panel Discussion	04.00 pm – 05.00 pm	BOS Chairman, BOS members & Subject Chairman
6	Vote of Thanks	05.00 pm – 05.30 pm	H.O.D. – Electrical AISSMS COE Pune

Thanks & Regards

Head of Department
(Electrical Engineering)
A.I.S.S.M.S. COE, Pune

Head
Electrical Engg Dept

Department of Electrical Engineering
AISSMS College of Engineering, Pune

dhiraj madje <dhirajmadje@gmail.com>
to me

1 Feb 2021, 01:31

Dear Mam,

As an alumni of the Electrical Department of AISSMS COE Pune and year of passing -2007 in first class with distinction.

Following our discussions please find attached BE syllabus with my comments for below subjects;

- 1) 403141- Power system operational and control - comments/ suggestions are mentioned on page no -07
- 2) 403142- PLC and SCADA applications - comments/ suggestions are mentioned on page no -11
- 3) Electrive-I, 403143 (B) - Power Quality - comments/ suggestions are mentioned on page no -18
- 4) 403143 (C)- Renewable energy system - comments/ suggestions are mentioned on page no -19
- 5) Electrive-II 403144(C)- EHV AC Transmission - comments/ suggestions are mentioned on page no -30
- 6) 403147- Switchgear and Protection - comments on page no - 44

I would request you to please revert incase of further help. also let me know your views on the suggestions provided in the structure.

Best Regards,


Dhiraj Madje

+91 9604777899

Torpedo Engineering Services

Engineering design and Project Management

One attachment • Scanned by Gmail


Head
Electrical Engg Dept

Department of Electrical Engineering
AISSMS College of Engineering, Pune

Websites:

1. <http://www.mahasldc.in/>
2. <http://cercind.gov.in/>
3. <http://www.srldc.org/>
4. <https://nrldc.in/>
5. <http://www.mercindia.org.in/>
6. <http://www.erldc.org/>
7. <http://nptel.ac.in/courses/108101040/> (PSOC webcourse)
8. <http://www.powergridindia.com/>

Unit	Text Books	Reference Books
1	T1, T2, T6	R1, R2, R5
2	T3	R5
3	T5, T7	R3
4	T1	R1
5	T2, T4	R1, R4, websites
6	T1	R1


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Head

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In addition to the above structure of syllabus, below aspects of industrial applications can be adopted, this is based on industrial experience and these suggestions may be included;

- Introduction to the software tools which helps in power system stability such as ETAP, Digsilent, PSCAD, EMTP is a must at this semester, which is current in demand and experts in this field are very limited.
- A case study of system stability analysis shall be included, which may be converted from IEEE system to IEC or Metric system, this will make them aware about standards utilised in the industry and would help learn it at an early stage.
- Awareness to Central Electricity Authority (CEA), Central Electricity Regulatory Commissions (CERC) norms, Central Transmission Utility (CTU) and State transmission utility (STU) and its functions and responsibilities is a must.
- An introduction to the electricity network in India.

Reference Books:

- [R1] Gordan Clark, Deem Reynders, "Practical Modern SCADA Protocols", E
- [R2] Batten G. L., "Programmable Controllers", McGraw Hill Inc., Second Ed
- [R3] Bennett Stuart, "Real Time Computer Control", Prentice Hall, 1988
- [R4] Krishna Kant, "Computer Based Industrial Control", PHI
- [R5] P. K. Srivstava, "Programmable Logic Controllers with Applications", BI Publications

Unit	Text Books	Reference Books
1	T1	R2
2	T1, T2, T6	R3, R4
3	T1, T7	R5
4	T1, T2, T6	R2, R5
5	T3, T4, T5	R1
6	T3	R1


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Suggestion;

- A new concept of Power plant controller has been introduced in the industry which help as below;

The main functionality and backbone of PPC is Power Systems Logics which cannot be conventional SCADA or PLC/RTU. These fundamentals are foundations of Power Plant

- Real-time control of active power curtailment at point of interconnection (POI)
- Real-time control of reactive power compensation at POI
- Real-time control of voltage at POI
- Real-time control of power factor at POI
- Frequency control at POI
- Ramp rate control of active and reactive power
- Data integration from SCADA and real time power plant data loggers
- PPC can be controlled from SLDC, RLDC or utility substation as per utility requirements

References;

- Section B. Connectivity standards applicable to the wind generating stations, generating

Any 4 experiments from following list:

1. Harmonic analysis of transformer for various conditions (no load, inrush, full
2. Analysis of performance of induction motor/transformer operated with sinusoidal and under distorted supply conditions supplied by 3 phase inverter.
3. Measurement of voltage sag magnitude and duration by using digital storage oscilloscope/ power quality analyzer.
4. Design of 7% detuned Passive Filter
5. Simulation study of transient and/or flicker measurement.
6. Simulation studies of harmonic generation sources such as VFD, SVC, STAT FACTS devices and harmonic measurement (THD) by using professional software MATLAB.
7. Harmonic load flow analysis by using professional software such as ETAP, P etc.


Text Books:

- [T1] R. C. Dugan, Mark F. McGranahan, Surya Santoso, H. Wayne Beaty, "Electrical System Quality", 2nd Edition, McGraw Hill Publication.
- [T2] M. H. J. Bollen, "Understanding Power Quality Problems, Voltage Interruptions", New York: IEEE Press, 2000, Series on Power Engineering
- [T3] C.Sankaran "Power quality", CRC Press
- [T4] Arrillaga, M. R. Watson, S. Chan, "Power System Quality Assessment" John Wiley and Sons.

Reference Books:

- [R1] Enriques Acha, Manuel Madrigal, "Power System Harmonics: Computer Analysis", John Wiley and Sons Ltd.
- [R2] Ewald F. Fuchs, Mohammad A. S. Masoum, "Power Quality in Power Electrical Machines" Elsevier Publication.
- [R3] G. J. Heydt, "Electric Power Quality", Stars in Circle Publications
- [R4] EN50160 and IEEE 1100, 1346, 519 and 1159 standards
- [R5] Arrillaga, M. R. Watson, "Power System Harmonics", John Wiley and Sons

Unit	Text Books	Reference Books
1	T1, T2, T3	R3, R4
2	T1, T2, T3	R2, R3, R4
3	T1, T2, T3	R2, R3
4	T1, T3, T4	R1, R4, R5
5	T1, T3, T4	R1, R4, R5
6	T1, T3	R1, R4


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Electrical Engg Dept
Head
Department of Electrical Engineering
AISSMS College of Engineering, Pune

suggestions;

- Power factor improvement and its requirement as per industry guidelines.
- IEEE 519 Standard (IEEE recommended practices and requirements for harmonic control in electrical power systems) recommends that a general harmonic analysis procedure be adopted as part of the system planning process whenever known

403143 (C) : Renewable Energy Systems

Teaching Scheme	Credits	Examination Scheme [125 Marks]	
Theory : 03 Hr/Week	03	In Sem	: 30 Marks
Practical : 02 Hr/Week	01	End Sem	: 70 Marks
		Term work	: 25 Marks

Prerequisite: Knowledge of basic renewable technologies like solar, wind, biogas, fuel cell, Knowledge of conventional grid

Course Objective: The course aims:-

- To develop fundamental understanding about Solar Thermal and Solar Photovoltaic systems.
- To provide knowledge about development of Wind Power plant and various operational as well as performance parameter/characteristics.
- To explain the contribution of Biomass Energy System in power generation.
- To describe different Storage systems, Integration and Economics of Renewable Energy System.

Course Outcome: Upon successful completion of this course, the students will be able to :-

1. Describe various renewable energy sources such as Solar Photovoltaic, Biomass, Wind, Fuel cell and Solar thermal.
2. Explain different renewable energy sources as an alternate for conventional power sources in any application of energy.
3. Identify and locate the use of renewable energy sources as per the requirement of the location.
4. Analyze, assess and design renewable energy systems such as solar and wind sources.
5. Compare the various storage sources for electrical energy.
6. Describe the standards for renewable energy source integration and evaluate economics related to these sources.

Unit 01 : Solar Thermal

(06 Hrs)

Solar radiation at the Earth's surface, solar constant, spectral distribution, Extra-terrestrial radiation, solar terrestrial radiation, solar radiation geometry, Introduction to the concept of monthly average daily and hourly global and diffuse radiation, beam and diffuse radiation under cloudless skies, solar radiation on tilted surfaces: a) beam radiation, b) diffuse radiation, c) reflected radiation, d) flux on tilted surface.

Instruments for measuring solar radiation, Basics of flat plate collector, concepts of solar water heating system and space heating system, solar dryer, introduction to Concentrating Solar Power (CSP) plants using technologies like a) parabolic troughs b) linear Fresnel reflector c) paraboloid dish

Unit 02 : Solar PV

(06 Hrs)

Introduction to various solar PV technologies, Single c-Si, Poly c-Si, thin film PV Cell, Module and Array, factors influencing the electrical design of the solar system: a) Sun Intensity b) Sun Angle c) Shadow Effect d) Temperature Effect e) Effect of Climate f) Electrical Load Matching g) Sun Tracking; Peak Power Point Operation, Electrical characteristics of Silicon PV Cells and Modules, PV System Components, Efficiency of PV system.

Design of typical solar PV system with and without battery backup for applications such as homes, commercial complex, agriculture etc.

suggestion - introduction to the PVsyst software, which helps in calculating energy yield for potential PV Plant site.

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MSSMS College of Engineering, Pune

Text Books:

- [T1] S. Rao, "Switchgear Protection and Power Systems", Khanna Publications
- [T2] Y. G. Paithankar, S. R. Bhide, "Fundamentals of Power System Protection", Prentice Hall of India
- [T3] Bhavesh Bhalja, R.P. Maheshwari, N.G. Chothani, "Protection and Switchgear", Oxford University Press, 2011 Edition.
- [T4] J.B.Gupta "Switchgear and Protection", S.K. Kataria and Sons.

Reference Books:

- [R1] Badri Ram, D. N. Vishwakarma, "Power System Protection and Switchgear", Tata McGraw Hill Publishing Co. Ltd.
- [R2] J Lewis Blackburn, "Protective Relaying- Principles and Applications", Dekker Publications.
- [R3] Prof. Dr S.A. Soman, IIT Mumbai, A Web course on "Digital Protection of power System"
http://www.cdeep.iitb.ac.in/nptel/Electrical%20Engineering/Power%20System%20Protection/Course_home_L27.html
- [R4] A.G. Phadke, J.S. Thorp, Computer relaying for Power System, Research Studies Press LTD, England.(John Willy and Sons Inc New York)
- [R5] Mason C.R., "Art and Science of Protective Relaying", Wiley Eastern Limited.
- [R6] Arun Ingle, "Switchgear and Protection", Pearson.


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Electrical Engg Dept
Head

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Unit	Text Books	Reference Books
1	T1, T2, T4	R1, R2, R6
2	T1, T3, T4	R1, R6
3	T1, T4	R1
4	T2, T3, T4	R3, R4, R6
5	T1	R5
6	T1, T4	R2, R5

suggestion;

- An Importance of Relay coordination and protection and procedure with help of an electrical power system can be included in the structure.

Unit 05 : Corona and its effects

(06 Hrs)

Corona formation, corona inception voltage, visual corona voltage, critical field for corona inception and for visual corona under standard operating condition and conditions other than standard operating conditions.

Power loss due to corona, corona loss formulae, corona current waveform, charge-voltage diagram and corona loss. Audible noise operation and characteristics limits for audible noise, AN measurement and meters, microphone, weighting networks.

Unit 06 :

(06 Hrs)

A) Design of EHV line

Design of EHV lines based upon steady state limits and transient over voltages, design factors under state. Design examples: steady state limits. Line insulation design based on transient over voltages

B) Extra high voltage cable transmission

Classification of cables, Electrical characteristics of EHV Cables, Properties of cable insulation materials.


Text Books:

[T1] Rakosh das Begamudre "Extra high voltage transmission", New Age International publishers

Reference Books:

[R1] S. Rao , "EHV AC and DC Transmission" Khanna publication.

Unit	Text Books	Reference Books
1	T1	R1
2	T1	--
3	T1	--
4	T1	R1
5	T1	R1
6	T1	R1


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Electrical Engg Dept

Department of Electrical Engineering
AISSMS College of Engineering, Pune

Suggestions;

- Transmission line tower design shall be included as its a critical aspect of transmission line. As the transmission line towers cost about 35 to 45 per cent of the total cost of the transmission line.

- This should basically include certain basic principles and stipulations to be followed in the analysis and design of transmission line towers, incorporating Indian electricity rules (1956), Manual on transmission line towers (1977), IS:802 (1977) and draft revision of IS:802 (1989).



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Accredited by NAAC with "A+" Grade



Date: 30/04/2023

To
The Principal
AISSMS COE, Pune

Subject : Corrective actions taken against suggestions / complaints received about facilities
in Term II of A.Y.2022-23 upto 30/04/2023.

Sr. No.	Date	Details	Corrective action	Sign. of person who take corrective action
1	07/02/2023	Request for improved First Aid kits for Baja-Supra Project	Provided improved First Aid kits for Baja-Supra Project students.	
2	07/03/2023	Regarding improper ventilation in class room due to less fans and missing of fan regulator knobs.	Sufficient number of fans are fitted in class room and new knobs are fitted in regulator of fans	

Dr.S.R.Patil
Coordinator
Infra. and Facility Cell

To,
The Principal,
AISSMS COE,
Pune

SUBJECT: Request for improved First-Aid Kits for Baja-Supra Project

Respected Sir,

It is crucial to have a well-equipped first-aid kit readily available to address any emergency. So that we can ensure the safety and well being of all the members involved in Baja-Supra.

I request your kind attention to be given to provide an upgraded first-aid kit to team Baja, by this we can improve an safer and efficient execution of the project done by team Baja.

Yours Sincerely,

Abhishek [Abhishek Khatrikar]

7/02/2023.

*forwarded
for
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**Head of Department
Mechanical Engineering
AISSMS. COE, PUNE.**

*co-ordinate
→ infra and facilities for na.*

[Signature]

To,

The Principal,

AISSMS COE, Pune - 411001

Date: 7th March 2023

Subject: Regarding improper ventilation

Sir,

Myself Anup Baturelhas, from class SE Mech-B, studying ~~with~~ in your college, writing this letter to raise the complaint faced by the student in the classroom. The class in which I study has 06 fans, but out of six only 1 has good speed. Other five ~~are~~ only just rotate.

Also, the regulators of the fans ~~are~~ switch ~~are~~ missing. Now its past half March, and its hot is here. ~~It~~ yet summer is to come. Due to improper fan service, students are facing problem.

I hope you will look into this matter.

forwarded for
consideration
SL

discuss go ahead
& go v.s.
SL

Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.

Yours faithfully

Anup Baturelhas



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Date: 30/12/2022

To
The Principal
AISSMS COE, Pune

Subject : Corrective actions taken against suggestions / complaints received about facilities
in Term I of A.Y.2022-23.

Sr. No.	Date	Details	Corrective action	Sign.of person who take corrective action
1	14/09/2022	Improvements needed in reading hall	Facilities in reading hall are improved like lighting, ventilation etc.	
2	06/12/2022	Internet connection issue	Contacted service provider through system admin. and issue is resolved	

Dr.S.R.Patil
Coordinator
Infra. and Facility Cell

To,
The Principal,
AISSMS COE, Pune - 411001
Date: 14/09/2022

Subject: Improvements needed in Reading Hall

Sir,

I am student of AISSMS COE studying in last year of computer engineering. I want to draw your attention on the improvements needed in Reading hall.

There should be separate columns for every individual student. It should have switches. Drinking water should be made available.

Kindly look into this matter
Thank you

Yours sincerely,
Abhilash Yadav

~~Condition
info & Assin
for n.s
forwarded to principal - S~~

H.O.D.
Computer Engg Dept
AISSMS COE Pune

Date - 6 / 12 / 2022


To,
HOD,
Mechanical Engineering
Department,
AISSMS, COE, Pune

Sub - Internet Connection Issue.

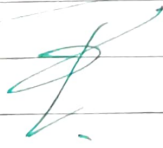
We required internet for various activities in classroom and lab. When we sit in lab or any class room, we are not able to access our own internet. That's why we are requesting you to provide us good wifi facility.

forwarded
for
consideration

Yours Sincerely
student from
Mechanical Dept.


Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.

co. director - zite ofas. In 1/15





AISSMS COLLEGE OF ENGINEERING



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Kennedy Road, Pune 411001, Maharashtra, India. Tel: +91 - 20 - 26058587, 26057660, 26058342 Email: contact@aiissmscoe.com, principal@aiissmscoe.com
www.aiissmscoe.com

COURSE : CIVIL ENGINEERING YEAR : BE

ONLINE STUDENTS FEEDBACK ON INFRASTRUCTURE AND FACILITIES FOR A.Y. 2021-2022

SR NO	INFRASTRUCTURE AND FACILITIES	5 (EXCELLENT)	4 (VERY GOOD)	3 (GOOD)	2 (AVERAGE)	1 (POOR)	TOTAL
1	CLASS ROOM INFRASTRUCTURE (BOARDS, INTERNET, LCD PROJECTOR, ETC.)	46	23	20	6	7	102
2	LABORATORY FACILITIES (BOARDS, INTERNET, COMPUTER, EQUIPMENT, ETC.)	43	23	20	7	9	102
3	CLEANLINESS AND AMBIENCE OF CAMPUS	50	23	17	6	6	102
4	LIBRARY, READING ROOM AND OTHER LIBRARY FACILITIES	51	18	20	7	6	102
5	SPORTS, CULTURAL AND EXTRA-CURRICULAR ACTIVITIES FACILITIES (NSS, ANNUAL FUNCTIONS, ETC.)	45	21	19	7	10	102
6	PARKING, SECURITY AND PROCTORIAL SERVICES IN THE CAMPUS	49	20	22	5	6	102
7	MENTORING, COUNSELING, REDRESSAL OF GRIEVANCES AND SUPPORT TO STUDENTS FOR ADMISSIONS, EXAMINATIONS, ETC.)	47	15	24	5	11	102
8	SUPPORT TO TRAINING, PLACEMENTS AND INTERNSHIPS	41	15	15	9	22	102
9	CANTEEN FACILITY AND AVAILABILITY OF DRINKING WATER	46	21	19	8	8	102
10	OVERALL IMPRESSION ABOUT INFRASTRUCTURE AND FACILITIES PROVIDED IN THE INSTITUTE	45	17	15	8	17	102
TOTAL		463	196	191	68	102	1020