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Dr. VITHALRAO VIKHE PATIL COLLEGE OF ENGINEERING

Affiliated to SPPU, Pune (ID. No. PU/AN/Engg./027/(1983) & recognized by A.I.C.T.E., New Delhi & Govt. of Maharashtra Accredited by NAAC, Bangalore



Ref: IT/Academic/2018-19/ 233 (A)

Date: 19/09/2018

To,
Dr. P.N. Mahalle
SKNCOE Pune
BOS-IT Member
Savitribai Phule Pune University,
Pune- 411007.

Subject: Suggestions for up gradation of TE(IT) 2019 Pattern Syllabus.

Respected Sir,

With reference to the above cited subject, currently we are referring TE(IT) 2015 pattern syllabus. For up gradation of TE 2015 pattern syllabus, we have taken curriculum feedback from our students, Alumni, Teachers and Employer.

We have analyzed all the feedback and prepared the summery of the same. The detail report is attached herewith for your kind information and necessary action for the up gradation of TE(IT) 2019 pattern syllabus.

Thank You.

Head

Department of Information Technology.

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Ref.COE/2018/ 2931 (A)

Date: 19/09/2018

To, Dr. P.N. Mahalle SKNCOE Pune BOS-IT Member Savitribai Phule Pune University, Pune- 411007

Subject: Modification required in Proposed Database management System syllabus of TE (IT) 2019 Pattern.

Respected Sir/Madam,

With reference to above subject, Syllabus of DBMS needs some changes like in first unit Relational algebra language is given but, this is old and theoretical language which is not used any more in today's Databases. So, need to omit this part from the syllabus.

Also, Normalization topic is added in 2nd unit along with the SQL language. It is need to make a separate unit for Normalization topic so that it should be elaborated properly.

And finally my suggestion is to make separate subject like Advance Database management system so that some advance topic will be added in it.

Hope these points may be implemented in proposed DBMS TE(IT) 2019 Pattern syllabus.

Thank You.

Your Faithfully

Prof. Avmash A. Pund Asstt. Prof. in IT Dept,

Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar

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Dr. Vithalrao Vikhe Patil

College of Engineering

Ahmednagar

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Date: 27/12/2018

To, Prof. Avinash A. Pund Asstt. Prof. in IT Dept. Dr. V.V.P. COEA.

Dear Sir,

Received your letter regarding modification required in proposed subject Database management System.

Thank you for giving the inputs of DBMS subject. Definitely we will try to implement in upcoming syllabus revision. Meanwhile you can communicate with subject chairman Prof. Niraja Jain regarding modification required in the syllabus.

Thank you,

Yours Faithfully,

Dr. P.N. Mahalle SKNCOE Pune BOS-IT Member Savitribai Phule Pune University, Pune- 411007

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Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar



Department of Information Technology

Consolidated Report on Syllabus modification

Feedback was taken from the stakeholder such as students, teacher, alumni, employers and suggestion on updating of curriculum of TE(IT) 2015 pattern in to TE(IT) 2019 pattern w.e.f. 2021-22 is mentioned below for convening it to SPPU, Pune an affiliated University.

Sr. No.	Course Name	Topic/Subject to be added with reason	Topic/Subject to be omitted with reason				
01.	Theory of Computation	No addition required	Nil				
02.	Database Management Systems	There should be addition of some advance concept like Bigdata,hadoop, Cloud based Db etc	No need of Relational Algebra & Embedded SQL				
03.	Software Engineering & Project Management	No addition required	Nil				
04.	Operating System	Page replacement algorithm should be added. Introduction of System Programming should be added. Case study of any one OS required.	Nil				
05.	Human-Computer Interaction	Arrangement of Unit Sequence HCl models should be available before Design Process. Need to add Future scope/Trends of HCI	Nil				
06.	Computer Network Technology	Need to add some Security Concepts	Network layer and Transport layer (already available in SE syllabus)				
07.	Systems Programming	No addition required	Nil				
08.	Design and Analysis of Algorithms	Need to add some advance algorithm	Nil				
09.	Cloud Computing	Practical/Term work should be added.	Nil				
10.	Data Science & Big Data Analytics	No addition required	Nil				
11.	Software Laboratory- III	Need to add application oriented subject with practical like Full stack development, App development, Web application development etc	Nil				
12.	Seminar	Project based seminar should be added in 1st semester instead if 2 nd semester	Nil				
13.	Audit Course	Addition one Foreign Language	Nil				

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Department of Civil Engineering

Consolidated Report on syllabus up gradation







Consolidated Report on syllabus up gradation

Feedback was taken from the stakeholder such as students, teacher, alumni, employers and suggestion on updating of curriculum of TE Civil 2015 pattern in to TE Civil 2019 pattern wef. From 2021-22 is mentioned below for convening it to SPPU, Pune an affiliated university.

Sr. No.	Course Name	Topic/Subject to be added with reason	Topic/Subject to be omitted with reason
1.	Hydrology and Water resource Engg.	Brief introduction of Govt. organization like IMD,CWPS, MERE, CDD,CWC and QGIS software application added.	Nil
2.	Infrastructure Engineering and Construction Techniques	Term Work should be added	Nil
3.	Structural Design-I	There should be addition of software assessments.	Nil
4.	Structural Analysis-II	Structural analysis –I and II can be merged in to one subject and Internship is required for the same	No need to Structural Analysis –I & II
5.	Fluid Mechanics-II	Consider as elective course in credit system.	Nil
6.	Employability Skills Developments	No addition required	Nil
7.	Advanced Surveying	There should be addition of QGIS software practicals.	Nil
8.	Project Management and Engineering Economics	No addition required	Nil
9.	Foundation Engineering	No addition required	Nil
10.	Structural Design-II	There should be addition of Slab and Beam type footing	No need of analysis of beam using working stress methods.
11.	Environmental Engineering-I	Jal Jeevan Mission and its necessity in rural area, Amrut yojana for development of society and infrastructure	Nil
12.	Seminar	No addition required	Nil

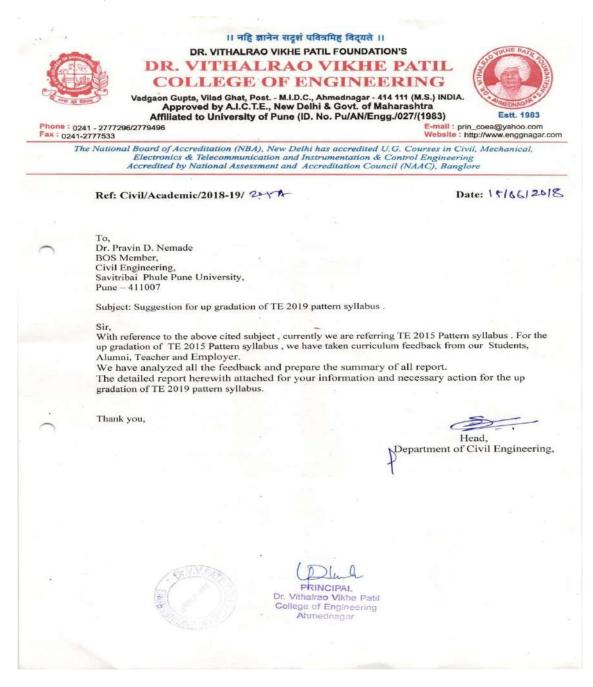
Department of Civil Engg.



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3. Communication with the affiliating University- Action taken

The consolidated report on feedback form the stakeholder on curriculum is forwarded through head of the institute to university for further action



Ref. COE/ 2019/

Date:

To,

Dr. Pravin Dinkar Nemade Member Board of Study (BOS) Savitribai Phule Pune University, Pune.

Subject: Modification required in Proposed Environmental Engineering -I Syllabus.

(Third Year syllabus 2019 Patterns)

Respected Sir,

With reference to above subject syllabus of Environmental Engineering-I need major revision. As first unit of Env. Engg-I contain the topic like air pollution, noise pollution, solid waste management. Basically, the content of noise pollution, air pollution, and solid waste management has been covered in first year audit course. So, need to omit this part from the syllabus.

Also, it is need to add current points such as Jal Jeevan Mission and its necessity in rural area. AMRUT YOJANA for development of society and infrastructure. Other than the conventional water treatment it is need to add advance treatment technology to treat the water as day by day there is deficiency of water.

Hope these points may be added in proposed Environmental Engineering -I Syllabus. (Third Year syllabus 2019 Patterns).

Thank you,

Your Faithfully

Dr. Manoj P. Wagh Professor in Civil Engineering Dr. Vithalrao Vikhe Patil College of Engineering



PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Date: 2017/2018

To,

Dr. Manoj P. Wagh Professor in Civil Engineering Dr. Vithalrao Vikhe Patil College of Engineering

Dear Sir,

Received your letter regarding modification required in proposed subject Environmental Engineering -I.

Thank you for giving the inputs for the subject Environmental Engineering -I. definitely we will try to implement in upcoming syllabus revision. Meanwhile you can contact and send email to subject chairman Dr. M. V. Jadhav regarding modification required in the syllabus.

Thank you,

Your Faithfully

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Dr. Pravin Dinkar Nemade Member Board of Study (BOS) Savitribai Phule Pune University, Pune



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College of Engineering
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Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar Department of Electrical Engineering



Consolidated Report on Syllabus modification

Feedback was taken from the stakeholder such as students, teacher, alumni, employers and suggestion on updating of curriculum of TE(Electrical) 2015 pattern in to TE(Electrical) 2019 pattern w.e.f. 2021-22 is mentioned below for convening it to SPPU, Pune an affiliated University.

Sr. No.	Course Name	Topic/Subject to be added with reason	Topic/Subject to be omitted with reason
1.	Industrial and Technology Management	No addition required	Nil
2.	Advance Microcontroller and its Applications	There should be addition of some serial communication protocol as SPI and MODBUS and Basics of IOT	No need of C concept in this subject because it is in FMA subject.
3.	Electrical Machine II	No addition required	Nil
4.	Power Electronics	Application of speed control of 3 phase Induction motor should be added.	Nil
5.	Electrical Installation, maintenance and Testing	Arrangement of some topics or Unit Sequence should be modify before Design Process. Need to merge some topics	Nil
6.	Seminar & Technical Communication	Need to give more information about seminar report & its content	Nil
7.	Power System II	No addition required	Nil
8.	Control System I	Need to add basics digital control System	No need of Non linear system & compensator design because we are replacing analog system to digital system
9.	Utilization of Electrical Energy	No addition required	Nil
10	Design of Electrical Machine	All design sheet should draw in CAD or Eplanner Software	Nil
11	1. Energy Audit & management	No addition required	Nil
-	2. Electrical Workshop	No addition required	Nil
1	3. Audit Course	Addition of any one Foreign Language	Nil



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College of Engineering
Ahmednagar

Department Electrical Engineering.

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PADMASHREE DR. VITHALRAO VIKHE PATIL FOUNDATION'S

PADMASHREE DR.VITHALRAO VIKHE PATIL COLLEGE OF ENGINEERING

Vadgaon Gupta, Vilad Ghat, Post.- M.I.D.C., Ahmednagar - 414 111. (M.S.) INDIA.
Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra

Affiliated to Savitribai Phule Pune University(Formerly University of Pune) (ID.No. Pu/AN/Engg_/027/1983)

Phone: 0241 - 2777296/2779496

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Estt. 1982

Date: 13/06/2018

Email: prin_coea@yahoo.com Website: http://www.enggnagar.com

The National Board of Accreditation (NBA), New Delhi has been accredited U.G. Courses in Civil, Mechanical, Electronics & Telecommunication and Instrumentation & Control Engineering

Ref: IT/Academic/2018-19/ 2.26

To,
Dr. B. E. Kushare,
BOS Member,
Electrical Engineering,
Savitribai Phule Pune University,
Pune- 411007.

Subject: Suggestions for up gradation of TE(Electrical) 2019 Pattern Syllabus.

Respected Sir.

With reference to the above cited subject, currently we are referring TE(Electrical) 2015 pattern syllabus. For up gradation of TE 2015 pattern syllabus, we have taken curriculum feedback from our students, Alumni, Teachers and Employer.

We have analyzed all the feedback and prepared the summery of the same. The detail report is attached herewith for your kind information and necessary action for the up gradation of TE(Electrical) 2019 pattern syllabus.

Thank You.

Department of Electrical Engineering.

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Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar

Date: 13/06/18

To.
Dr. B. E. Kushare,
Member Board of Study (BOS)
Savitribai Phule Pune University, Pune.

Subject: Modification required in Proposed Advance Microcontroller & its Application syllabus of TE (Electrical) 2019 Pattern.

Respected Sir/Madam,

With reference to above subject, Syllabus of Advance Microcontroller & its Application needs some changes like Embedded C concept is given but, this is already mention in Subject Fundamental of Microcontroller & its Application. So, need to omit this part from the syllabus.

Also, need to add GSM or IOT concept related to Electrical Engineering. It is need to make a separate unit for same so that it should be elaborated properly.

And finally, my suggestion is to make separate subject like IOT & its Application so that some advance topic will be added in it.

Hope these points may be implemented in proposed Advanced Microcontroller & its Applications TE(Electrical) 2019 Pattern syllabus.

Thank You,

Your Faithfully,

Prof. Ganesh K. Shirsat

Asstt. Prof. In Elect. Dept, Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar

TO PATH OULFORM

PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Date:

Date:20/06/18

To, Prof. Ganesh K Shirsat Asstt. Prof. In Elect. Dept. Dr. V.V.P. COEA.

Dear Sir,

Received your letter regarding modification required in proposed subject Advanced Microcontroller & its.

Thank you for giving the inputs of Advanced Microcontroller & its subject. Definitely we will try to implement in upcoming syllabus revision. Meanwhile you can communicate with subject chairman Prof. P. P. Mahajan regarding modification required in the syllabus.

Thank you,

Yours Faithfully,

COLUMN

Dr. B. E. Kushare, Member Board of Study(BOS) Savitribai Phule Pune University,Pune

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Ahmednagar

Savitribal Phule Pune University

FACULTY OF ENGINEERING

T.E. Electrical Engineering (2015 Course)

(w.e.f. 2017-2018)

Page 1		and the same of the			5	EMESTE	R-I		JUL .			4 7/4	
			Teaching Scheme				Examina	ition Sch	Tatal	Credit			
Sr.	Subject Code	Subject Title	TL			PP					Total Marks	TH/	PR+OR
No	Code		Th	Pr.	Tu.	In Sem	End Sem	TW	PR	OR	Warks	TU	
1	311121	Industrial and Technology Management	03	-		30	70				100	03	-
2	303141	Advance Microcontroller and its Applications	04	02		30	70	**		50	150	04	01
3	303142	Electrical Machines II	04	02		30	70		50		150	04	01
4	303143	Power Electronics	04	02		30	70		50		150	04	01
5	303144	Electrical Installation, Maintenance and Testing	03	02	-	30	70	50	-		150	03	01
6	303145	Seminar and Technical Communication		02			-	50		-	50	-	01
	303152	Audit Course III											
	TC	TAL	18	10		150	350	100	100	50	750	18	05

					SEI	MESTER-II							
			Teach	ing Sch	eme		Examinati			C	redit		
		Subject Title				P	Р				Total	TH/ TU	PR+OR
Sr. No.	Subject Code		Th.	Pr.	Tu	In Sem	End Sem	TW	PR	OR	Marks		
1.	303146	Power System II	04	02		30	70		50	1000	150	04	01
2.	303147	Control System I	04	02	**	30	70			50	150	04	01
3.	303148	Utilization of Electrical Energy	03			30	70				100	03	-
4.	303149	Design of Electrical Machines	04	02		30	70	25		50	175	04	01
5.	303150	Energy Audit and Management	03	02		30	70	25			125	03	01
6.	303151	Electrical Workshop		02	+	=	-	50			50		01
	303153	Audit Course IV											05
	T	otal	18	10		150	350	100	50	100	750	18	05

Th: Theory lectures hours/week

Pr: Practical hours/week

Tu: Tutorial hours/week

TW: Term work

FEATINGS TO

PR: Theory

OR: Oral

PP: Paper- In semester and End

T.E. Electrical Engineering (2015 Course) - Savitribai Phule Pure

Dr. Vienetrao Vikh² Patil College of Engineering Anniednegas

Savitribai Phule Pune University, Pune Syllabus: Third Year (TE) Electrical Engineering (2019 course) (w.e.f 2021-22)

					11.00	EMES			6.1					Cre	dit	
Course	Course	Tea	ching	g Sch	SEM			ination			Total	Th	Pr	Tu	SEM /PW	Total
code	Name	Th	Pr	Tu	/PW /IN	ISE	ESE	TW	PR	OR	Lotai		2000		//N	
303141	Industrial and Technology Management	3	0	0	0	30	70	0	0	0	100	3	0	0	0	3
303142	Power Electronics	3	4#	0	0	30	70	0	50	0	150	3	2	0	0	5
303143	Electrical Machines-II	3	2	0	0	30	70	25	25	0	150	3	1	0	0	4
303144	Electrical Installation Design and Condition Based Maintenance	3	4#	0	0	30	70	25	0	25	150	3	2	0	0	5
303145	Elective-I	3	0	0	0	30	70	0	0	0	100	3	0	0	0	3
303146	Seminar	0	0	0	1	0	0	50	0	0	50	0	0	0	1	1
303147	Audit course-	2*	0	0	0	0	0	0	0	0	0	-	MERSYLVEN		PP/NP	0
	Total	15	10	0	1	150	350	100	75					A DESCRIPTION OF THE PERSON OF		21
	3031	45: E	lecti	ve-I						30.	3147:	Aud	it Co	urse	-V	-

303145: Elective-I

303145A: Advanced Microcontroller and Embedded

System 303145B: Digital Signal Processing

303145C: Open Elective

SEMESTER-II

303147A: Energy storage systems

303147B: Start-up & Disruptive innovation

		Ta	achin	a Sch	eme		Exam	nation	Sch	eme				Cree	lit	
Course code	Course Name	Th	Pr	Tu	SEM /PW /IN	ISE	ESE	TW	PR	OR	Total	Th	Pr	Tu	SEM /PW /IN	Total
303148	Power System-	3	2	1	0	30	70	25	50	0	175	3	1	1	0	5
303149	Computer Aided Design of Electrical Machines	3	4#	0	0	30	70	50	0	25	175	3	2	0	0	5
303150	Control System Engineering	3	2\$	1\$	0	30	70	25	0	25	150	3	1	0	0	4
303151	Elective-II	3	0	0	0	30	70	0	0	0	100	3	0	0	0	3
303151	Internship	0	0	0	4	0	0	100	0	0	100	0	0	0	4	4
303153	Audit Course VI	2*	0	0	0	0	0	0	0	0	0		GRADE: PP/NP			
	Total	12	8	2	4	120	280	200	50	50	700	12	_	1	4	21
	30315	1: E	lecti	ve-II							53 : A					

303153A: Ethical Practices for Engineers 303151A: <u>loT and its Applications in Electrical Engineering</u> 303153B : Project Management

303151B: Electrical Mobility

303 151C: Cybernetic Engineering

303151D: Energy Management

#Practical consists of Part A & part B. PART A; Regular experiments & part B; to bridge the gap between theory & actual industrial practices. For subject 303144; there will be auto cad drawing on Electrical installation, Electrical wiring, cabling etc. For 303149, Part A, Regular drawing by hand & part B same drawing by AutoCAD.

\$ tutorial credit merged with Practical. * Conduct over and above these lectures.

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar