Gmail **Santosh Shelke <drsnshelke@gmail.com>**

Fwd: BE-Mech Syllabus Revision Workshops conducted at our college

1 message

shelke.santosh77@yahoo.co.in <shelke.santosh77@yahoo.co.in> Mon, Nov 19, 2018 at 9:55 AM
To: drsnshelke <drsnshelke@gmail.com>

---------- Forwarded message ----------
From: "Kakhandki V.J" <uopmech@gmail.com>
Date: Mar 20, 2015 12:01 PM
Subject: Fwd: BE-Mech Syllabus Revision Workshops conducted at our college
To: 53 DCOER Narhe <kakandikar@gmail.com>,Ravindra Ingle <ravindra.ingle@cumminscollege.in>,Kishor Dhande <kkdhande@gmail.com>,27 PRESVM Chincholi Nashik <shelke.santosh77@yahoo.co.in>
Cc:

Dear Sir,

Kindly look into the recommendation made by the
faculty from Nashik Region.
Refer relevant attachments

Regards,

Dr. V.J. Kakhandki
BoS Chairman, Mech Engg
University of Pune, Pune
Please check the corrected mobile No.
Mo: 86 05 95 62 92
Email: kakhandki_vj@rediffmail.com (Personal)

---------- Forwarded message ----------
From: **k v chandratre** <ckailas@rediffmail.com>
Date: Thu, Mar 19, 2015 at 5:28 PM
Subject: BE-Mech Syllabus Revision Workshops conducted at our college
To: uopmech@gmail.com, kakhandki_vj@rediffmail.com, prafulla_kulkarni1@hotmail.com, niharwalimbe@gmail.com

Respected sir,

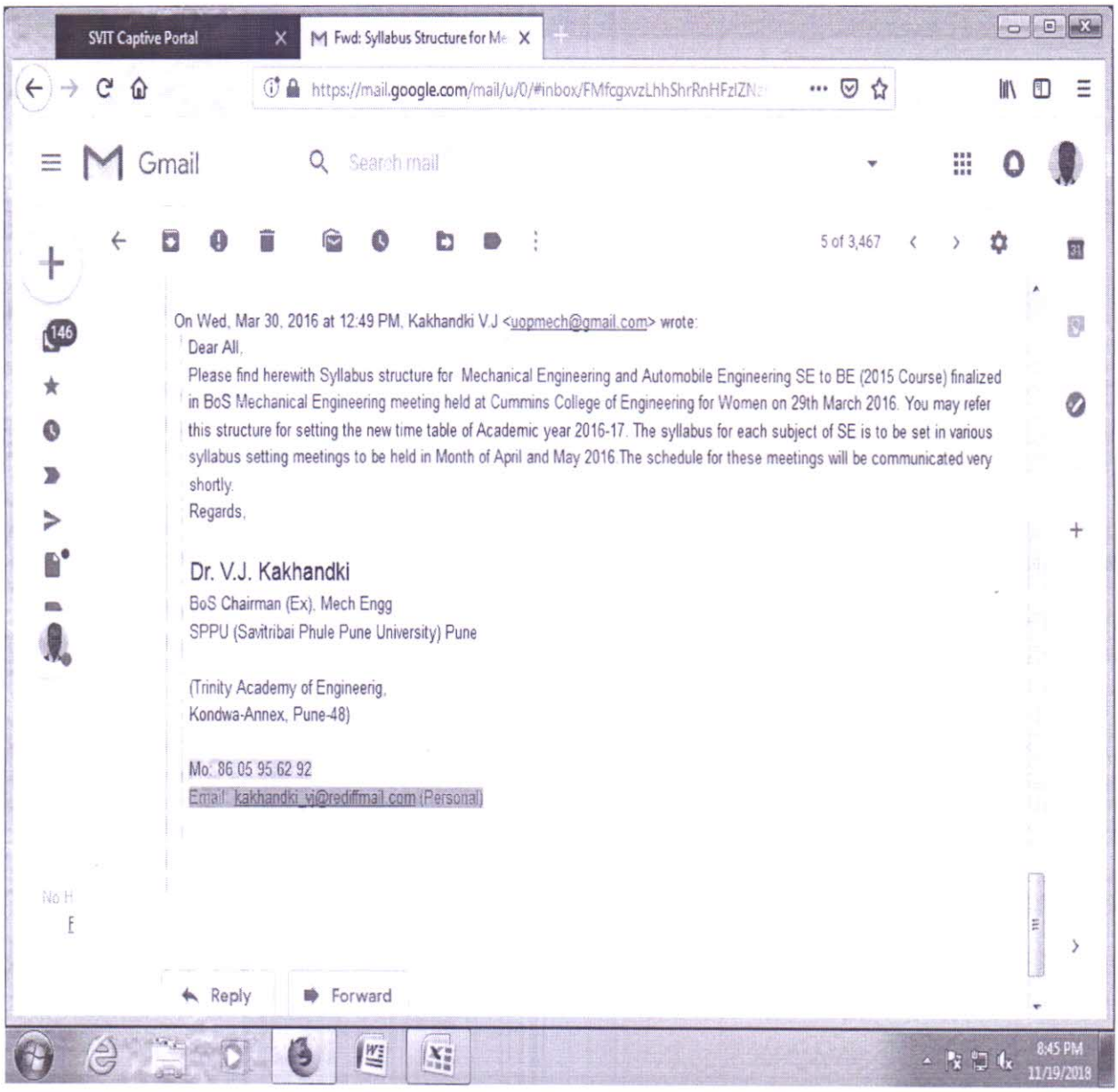
as per your directions we have conducted BE Mech Syllabus revision workshop at our college today.

Prof. Dr. G.K. Kharate, Dr. N.S. Walimbe and Dr. Pattiwar were present for the workshop.

About 40 staff members from different colleges have participated and contributed in the workshop.

Senior staff from Industry was also present.

Prof. Dr. Kharate, Dr. Walimbe, Dr.Pattiwar, Dr. P.C. Kulkarni guided the participants.
Prof. P.M. Deshpande discussed the expectations from industry.


SVIT Captive Portal
Fwd: Syllabus Structure for Me
https://mail.google.com/mail/u/0/#inbox/FMfcgxvzLhhShrRnHFzlZN
Gmail
Search mail
5 of 3,467
On Wed, Mar 30, 2016 at 12:49 PM, Kakhandki V.J <uopmech@gmail.com> wrote:
Dear All,
Please find herewith Syllabus structure for Mechanical Engineering and Automobile Engineering SE to BE (2015 Course) finalized in BoS Mechanical Engineering meeting held at Cummins College of Engineering for Women on 29th March 2016. You may refer this structure for setting the new time table of Academic year 2016-17. The syllabus for each subject of SE is to be set in various syllabus setting meetings to be held in Month of April and May 2016.The schedule for these meetings will be communicated very shortly.
Regards,
Dr. V.J. Kakhandki
BoS Chairman (Ex), Mech Engg
SPPU (Savitribai Phule Pune University) Pune
(Trinity Academy of Engineerig,
Kondwa-Annex, Pune-48)
Mo: 86 05 95 62 92
Email: kakhandki_vj@rediffmail.com (Personal)
Reply
Forward
8:45 PM
11/19/2018

Gmail

Pratibha Waje-Kashid <wajepratibha23@gmail.com>

SE(IT) 2015 courses syllabus

4 messages

'Goraksh Garje' via itfaculty_uop <itfaculty_uop@googlegroups.com> Wed, Jun 29, 2016 at 7:51 AM
Reply-To: itfaculty_uop@googlegroups.com
To: Itfaculty_uop <itfaculty_uop@googlegroups.com>

Dear all
The final copy of SE(IT) 2015 course syllabus is uploaded on SPPU website. Kindly download the copy and use it for your reference please!
There could be minor changes in some of the subjects especially in objectives and outcomes of practical subjects and little reorganization of contents in FCCN.
The main concern raised by some faculty members was: The number of hours given to PSOOP practical and Computer Graphics practical

The reason was- the structure is approved by Academic Council states that maximum 30 hours (20 (Th)+ 10 (PR+TW+OR) or 18(Th) +12 (PR+TW+OR)) can be allocated to all heads of passing (AICTE guidelines- contact hours should not be more than 26-30). Due to this we have to reduce the number of hours for Digital Electronics Lab from 4 to 2. I know that the concerns you people have raised are genuine but we are bound to follow guidelines of AICTE and University. We have deal with such issues very carefully and judiciously.

We tried to address this problem by reducing the number of assignments for both the subjects. I think we would be able to deal with the situation. We can discuss this issue further in the FDP of this subject which will happen in next week.

The reason behind to introduce Computer Architecture and Organization was to give some weightage to Computer Architecture which was missing in IT curriculum. There was imbalance in contents of different units in FCN which we tried to balance and included some contents which are essential to strengthen the foundation of FCN.

There was real need to have a practical for PSOOP which is included in the revised syllabus. There were suggestions from many people to introduce Python in SE but I think learning more than two languages in a year will increase the burden on students and hence it is decided to introduce Python in TE(IT) syllabus.

I hope the syllabus prepared by IT board with contribution from you people will satisfy the expectations of all the stakeholders.
If there are still some major concerns, we can share and discuss and try to suggest a better solution to those concerns/problems.

Many many thanks to all faculty members who contributed directly or indirectly and faculty members.

We have a huge responsibility to implement/execute this syllabus with full enthusiasm and better fashion.

Best of luck to all of you and hope that you will cooperate and contribute in future also.

Regards,

Prof. Garje G.V.
Chairman, BOS-IT, SPPU
9850809413

Sir Visvesvaraya Institute of Technology Chincholi, Nashik 422102

H.O.D.
Department of Information Technology
Sir Visvesvaraya Institute of Technology
Chincholi, Nashik - 422[illegible]

--
You received this message because you are subscribed to the Google Groups "itfaculty_uop" group.
To unsubscribe from this group and stop receiving emails from it, send an email to itfaculty_uop+unsubscribe@googlegroups.com.
To post to this group, send email to itfaculty_uop@googlegroups.com.
Visit this group at https://groups.google.com/group/itfaculty_uop.
For more options, visit https://groups.google.com/d/optout.

Savita Mangalore <savitamangalore@gmail.com> Wed, Jun 29, 2016 at 6:22 PM
Reply-To: itfaculty_uop@googlegroups.com
To: itfaculty_uop@googlegroups.com

Gmail

Pratibha Waje-Kashid <wajepratibha23@gmail.com>

Draft of TE IT Syllabus 2015 course wef June 2017

1 message

Parikshit N. Mahalle <aalborg.pnm@gmail.com> Thu, Feb 23, 2017 at 2:56 AM
Reply-To: itfaculty_uop@googlegroups.com
To: Itfaculty_uop <itfaculty_uop@googlegroups.com>

Dear IT Teachers of SPPU,

Greetings !

At the outset, BoS IT is very much thankful to all BoS members and contributors in TE IT syllabus 2015 course revision. The contribution of the all of you is unprecedented and very resourceful in SE syllabus framing.

BoS IT is deeply indebted to Respected Dr. Y.P. Nerkar sir, Dr. G.K.Kharate sir, Dr. Varsha Patil Madam, Dr. M.L.Dhore sir, Prof. S.R. Dhore sir, Dr. G.V. Garje sir, Dr. Pramod Patil Sir and all BoS members of Computer Engineering for their valuable suggestions and guidance while preparing this draft.

With the same zeal and vigor you contributed the revision of TE syllabus too. Attached herewith please find draft of TE IT syllabus 2015 course. I sincerely appeal to review and reply with consent, errors and suggestions. This draft will also help you for faculty identification and work load distribution for coming semester.

The motto of the syllabus revision is include major core subjects of IT and to aquatint the learners with intermediate Programming skills and software development tools.

ME IT syllabus revision is in progress and I am sure that Dr. Thepade and his team will come up with excellent draft at earliest. In the short time, BE IT syllabus is also due and in the sequel, I would like to request you to come ahead and shoulder the responsibility to expedite the process. I will be happy if some one will come ahead aand take the lead in BE IT syllabus revision.

Many thanks to dear course advisers, coordinators and team members for coming up with excellent course contents.

Kindly consider this email as a call to plan and conduct subject and labwise FDPs. Please send your willingness for the same to Prof. G.R. Pathak sir and mark cc to me.

H.O.D.
Department of Information Technology
Sir Visvesvaraya Institute of Technology
Chincholi, Nashik - 422101

Sir Visvesvaraya Institute of Technology Chincholi, Nashik 422102

Gmail

BE (Inofrmation Technology) - Syllabus Revision wef Academic Year 2018-19

3 messages

Pratibha Waje-Kashid <wajepratibha23@gmail.com> Wed, Jul 12, 2017 at 3:40 PM

Parikshit N. Mahalle <aalborg.pnm@gmail.com>
Reply-To: itfaculty_uop@googlegroups.com
To: Itfaculty_uop <itfaculty_uop@googlegroups.com>

Dear Sir/Madam,

Greetings !

In the academic year 2016-17 SE (Information Technology) 2015 Course was implemented. In the current academic year 2017-18, TE (Information Technology) 2015 course is implemented. The FDP for TE 2015 course was also conducted at MKSSS'S CCoEW on 13 June 2017. At the outset, BoS - Information Technology is thankful to the Principals, Heads and faculty members of all the affiliated colleges for the efforts and cooperation.

In the next academic year i.e. 2018-19, BE 2015 course curriculum is to be implemented and its the right time to start the preparation for formulating the new strucuture, subjects and syllabi.

I am very happy to share with you that,

- **Dr. Baisa Gunjal, ACOE, Sangamner**
- **Dr. Anant Bagade, PICT**
- **Prof. Jyoti Yemul, SKNCOE**

have agreed to shoulder and coordinate the BE syllabi preparation activity.

I would like to request Dr. Gunjal Madam, Dr. Bagade sir and Prof. Yemul madam to discuss the plan of action and expedite the process as syllabus design process is very crucial and need lot of team work. BoS members and all teachers of IT are always there to guide you. I am sure that your team will come up with wonderful syllabus which will be well recieved by all the stakeholders.

Also for the TE 2015 course following post-FDP activities need to be executed
1. Preparation of question bank
2. Preparation of laboratory manual
3. Curriculum book (3 to 4 page document indicating which book to be referred for syllabus content and the scope)

I request all the faculty members to actively contribute to all the activities.

Looking forward to receive comments from all regarding BE syllabus revision. All are requested to share your feedbacks to the above team directly.

Keep Posted.

Thank you.

--
Best Regards

Dr. Parikshit N. Mahalle
M.E. (Comp. Engg.), Ph.D
LMISTE, LMCSI, Member ACM, Member IEEE, Member IAENG (H.K.)

Professor and Head
Department of Computer Engineering,
Sinhgad Technical Education Society's
Smt. Kashibai Navale College of Engineering,
Off Sinhgad Road
Vadgaon (Bk),
Pune - 411041

Sir Visvesvaraya Institute of Technology Chincholi, Nashik 422102

H.O.D.
Department of Information Technology,
Sir Visvesvaraya Institute of Technology,
Chincholi, Nashik - 422101

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Syllabi (Revised Syllabus from the Academic Year 2012)

The Faculty wise Syllabus

Arts, Fine Arts and Performing Arts	Management	Mental, Moral and Social Science
Physical Education	Engineering	Pharmaceuticals Science
Education	Commerce	Science
Law	Technology	

Faculty of Engineering

- M.E. Civil (Water Resource and Environmental Engineering)
- Third Year B. Arch. & B. Arch. (ID) 2008 course
- Fourth Year B. Arch. & B. Arch. (ID) 2008 course
- Fifth Year B. Arch. & B. Arch. (ID) (Bridge Course) 2008 course
- M.E. Mechanical (CADME)
- M.E. Mechanical (Energy Engineering)
- FE Structure (2012 course) Changed
- FE Syllabus (2012 course)
- BE (Automobile Engineering) (2008 course)
- M.C.A. Engineering (2005 course)

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Syllabi (Revised Syllabus from the Academic Year 2013)

The Faculty wise Syllabus

Arts, Fine Arts and Performing Arts	Management	Mental, Moral and Social Science
Physical Education	Engineering	Pharmaceuticals Science
Education	Commerce	Science
Law	Technology	

Faculty of Engineering

- S.E. Petroleum, Petrochemical and Polymer
- S.E. Production, Production Sandwich and Industrial Engineering
- S.E. Biotechnology
- SE Rules and Regulation of Examination
- S.E. Computer Engineering
- S.E. Civil Engineering
- S.E. Chemical Engineering
- S.E. Instrumentation
- S.E. Information Technology (IT)
- S.E. Electronics/E&Tc
- S.E. Printing Engineering
- S.E. Mechanical and S.E. Automobile Engineering
- S.E. Mechanical Sandwich
- S.E. Electrical Engineering
- B.E. Civil Open Elective Subjects : Ferrocement Technology
- B.E. Civil Open Elective Subjects : Plumbing System Engineering
- B.E. Civil Open Elective Subjects : Green Building Technology
- B.E. Electrical (Control Systems - II) Changes
- B. Arch. Course Structure, Rules and Regulation (Constructing Management)
- B. Arch. Second Year (Constructing Management)
- M.Arch. (Construction Management)
- M.E. Rule and Regulation for Credit System
- M.E. Mechanical (Heat Power Engg.)
- M.E. Mechanical (Energy Engg.)
- M.E. Mechanical (Design Engg.)
- M.E. E&TC (Microwave)
- M.E. E&TC (VLSI & Embedded Systems)
- M.E. Electronics (Digital Systems)
- M.E. E&TC (Signal Processing)
- M.E. E&TC (Communication Networks)
- M.E. Electrical (Power Systems)
- M.E. Electrical (Power Electronics and Drives)
- M.E. Electrical (Control Systems)
- M.E. Manufacturing and Automation Engineering
- M.E. Production - CAD/CAM Engineering
- M.E. Industrial Engineering
- ME Civil (Geotech Engg.)
- M.E. Civil (Construction Management)
- M.E. Civil (Structural Engg.)
- M.E. Civil (Hydraulics)
- M.E. Civil (Environmental Engg.)
- M.E. Civil (Water Resources & Environmental Engg.)
- M.E. Computer Engineering
- M.E. Computer Engineering (Computer Networks)
- M.E. Chemical
- M.E. Chemical (Environmental Engg.)
- M.E. Polymer
- M.E. Information Technology
- M.E. Printing Engineering and Communication Technology

Syllabi (Revised Syllabus from the Academic Year 2014)

The Faculty wise Syllabus

Arts, Fine Arts and Performing Arts	Management	Mental, Moral and Social Science
Physical Education	Engineering	Pharmaceuticals Science
Education	Commerce	Science
Law	Technology	

Faculty of Engineering

- T.E. Mechanical S/W
- T.E. Automobile
- T.E. (2012 course) Structure and Examination Rules
- M.E. Petroleum open elective- III subject 'Subsea Engineering'
- T.E. Biotechnology (2012)
- T.E. Civil (2012 course)
- T.E. Mechanical (2012 course)
- T.E. Electronics (2012 course)
- T.E. E&TC (2012 course)
- T.E. Computer (2012 course)
- T.E. Electrical (2012 course)
- T.E. Chemical (2012 course)
- T.E. Production (2012 course)
- T.E. Production S/W (2012 course)
- T.E. Industrial (2012 course)
- T.E. Information Technology (2012 course)
- T.E. Petrochemical (2012 course)
- T.E. Petroleum (2012 course)
- T.E. Polymer (2012 course)
- T.E. Printing (2012 course)
- T.E. Instrumentation (2012 course)
- B.E. (IT)
- M.Arch. (Urban Design)
- Fifth Year B. Arch. (2008 Course)
- B.E. Electrical Engineering Open Elective - IV 'Introduction to Electrical Transportation Systems'
- M.E. Computer Engineering Open Elective - II (Semester II)'Business Analytics Optimization'
- T. E. Structure
- BE Equivalence

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The Faculty wise Syllabus

Arts, Fine Arts and Performing Arts	Management	Mental, Moral and Social Science
Physical Education	Engineering	Pharmaceuticals Science
Education	Commerce	Science
Law	Technology	

Faculty of Engineering

- SE Instrumentation & Control
- B.E. Electrical (2012 course)
- B.E. Civil (2012 course)
- COURSE STRUCTURE AND RULES FIVE YEAR DEGREE COURSE IN ARCHITECTURE [B.ARCH.]
- First Year B. Arch.
- Second Year B. Arch.
- M. Arch. (Landscape)
- M. Arch. (Environmental Architecture)
- M. Arch. (Digital Architecture)
- M. Arch. (Architectural Conservation)
- M. Arch. (Computer Applications)
- B.E. Computer (2012 course)
- B.E. Chemical (2012 course)
- B.E. Polymer (2012 course)
- B.E. Automobile (2012 course)
- B.E. IT (2012 course)
- B.E. Electrical (2012 course)
- B.E. E&TC (2012 course)
- B.E. Electronics (2012 course)
- B.E. Petrochemical (2012 course)
- B.E. Petroleum (2012 course)
- B.E. Mechanical (2012 course)
- B.E. Production (2012 course)
- B.E. Production S/W (2012 course)
- B.E. Industrial Engineering (2012 course)
- Rules and Regulation of B.E. (2012 course)
- B.E. Instrumentation & control (2012 course)
- B.E. Biotechnology (2012 course)
- B.E. Civil (2012 course)
- ME/M. Tech. (Biotechnology)
- B.E. Civil - Sub-sea Engineering
- B.E. Computer - 1. Programming Paradigms for Complex Problems - Case studies in Python 2. Concurrency on Open Source Systems
- B.E. Electronics and E&TC - Advanced Automotive Electronics
- B.E. Computer, IT, E&TC - Unified Communication and Center Applications
- First Year Engineering Credit System Syllabus (2015 course)
- Rules and Regulation for U.G. Credit System
- B.E. Computer - 1. Concurrency on Open Source Systems
- B.E. Mechanical S/W (2012 course)
- Printing Engineering (2012 course)

Savitribai Phule Pune University ▸ Syllabus 2016 All Documents

Title	Name	Date
Faculty : Arts, Fine Arts and Performing Arts (6)		
Faculty : Engineering (21)		
ME Equivalence 2008 Pattern to 2013 Pattern	ME Equivalence 2008-2013	4/11/2017
MCA Equivalence 2008 to 2013 Pattern.	MCA Equivalence 2008-2013	4/11/2017
B E (Mechanical) Semester II (2012 Course) (402049 D) AUTOMOBILE ENGINEERING (Elective III Open Elective)	Automobile Engg 402049D-13-2-17	2/14/2017
PRODUCT LIFECYCLE MANAGEMENT	PLM-13-2-17	2/14/2017
SE Instrumentation & Control (2015)	S. E. Instrumentation 2015 course-7-9-16	9/8/2016
SE Electrical (2015 Pattern)	SE Electrical Engg (2015 course)7-9-16	9/8/2016
SE Production & Industrial (2015 course)	SE_Prod. and Indu 2015 course7-9-16	9/8/2016
SE Production S/W (2015 course)	SE_Prod. SW 2015 course7-9-16	9/8/2016
SE Mechanical Sandwich	SE_Mechanical Engineering (Sandwich) 2015 Course-3-8-16	8/4/2016
SE Bio-Tech. (2015)	SE Bio-Tech (2015 Course)-25-7-16	7/26/2016
SE Chemical (2015)	SE Chemical (2015 Course)-25-7-16	7/26/2016
S.E. Mechanical and Automobile Engineering(2015)	SE Mech (2015 Course)-25-7-16	7/26/2016
SE Petroleum,Petrochemical and Polymer (2015)	SE PPP(2015 Course)-25-7-16	7/26/2016
SE Printing (2015)	SE Printing (2015 Course)-25-7-16	7/26/2016
SE Information Technology (2015)	SEIT (2015 Course)-25-7-16	7/26/2016
Equivalence of FE (2008 & 2012 pattern)	First Year Equivalence2008-2015 - 1-19-7-16	7/20/2016
First to Five Year B. Arch Equivalence (2008 pattern)to (2015 pattern)	Equivalence for B. Arch. 2015-11-7-16	7/12/2016
SE Computer (2015 pattern)	SPPU_SE_Computer_Engg_2015_Course_Syllabus-4-7-16	7/5/2016
SE Electronic/ E&TC (2015 Pattern)	Revised_SE_E_TC_Syllabus_2016_14__June_2016-27-6-16	6/28/2016
Fundamentals of Programming Languages - I and II	I-II	6/25/2016
SE Civil (2015 Pattern)	Civil_All_Subjects_SPPU_Template_Engg_Syllabus_20th_May_2016(1)-24-6-16	6/25/2016
Faculty : Management (6)		
Faculty : Mental, Moral and Social Science (8)		
Faculty : Pharmaceuticals Science (6)		
Faculty : Physical Education (1)		
Faculty : Science (8)		

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Syllabus 2017

Title	Name	Date
Faculty : Commerce (2)		
Faculty : Education (1)		
Faculty : Engineering (134)		
T.E. Printing 2015 Patt.	Syllabus_T.E Printing_2015 Patt._29.102018	10/31/2018
ME_Electronics_Digital Systems 2017.	ME-Electronics-Digital Systems 2017 Patt_24.092018	9/25/2018
M.E. Computer Network 2017 Patt.	ME_Computer_Network_Syllabus_2017_Course_10.072018	7/11/2018
T.E Computer 2015 Patt.	TE_Computer_Engg_Syllabus_2015_Course_10.072018	7/11/2018
Revised TE Prod. syllabus (2015).	Revised TE Prod. syllabus (2015)_27.032018	3/28/2018
Revised TE Prod- Sandwich syllabus (2015).	Revised TE Prod- Sandwich syllabus (2015)_27.032018	3/28/2018
Revised TE Civil Syllabus (2015).	Revised TE Civil Syllabus (2015)_27.032018	3/28/2018
Revised TE E_TC Syllabus (2015).	Revised TE E_TC Syllabus (2015)_27.032018	3/28/2018
Revised TE Electronics Syllabus (2015).	Revised TE Electronics Syllabus (2015)_27.032018	3/28/2018
Revised TE Industrial Engg syllabus (2015).	Revised TE Industrial Engg syllabus (2015)_27.032018	3/28/2018
Revised TE Instrumentation Syllabus (2015).	Revised TE Instrumentation Syllabus (2015)_27.032018	3/28/2018
Revised TE Mech-Sandwich Syllabus (2015).	Revised TE Mech-Sandwich Syllabus (2015)_27.032018	3/28/2018
Revised TE Petrochemical Syllabus(2015)	Revised TE Petrochemical Syllabus(2015)_27.032018	3/28/2018
REV SYLLABUS B.DES Updated March 2018	REV. SYLLABUS B.DES Updated March 2018_22.032018	3/23/2018
REV SUBJECT LIST OF B.DES Updated March 2018	REV. SUBJECT LIST Updated March 2018_22.032018	3/23/2018
Comp. Open Elective IV_BDDA_Syllabus_4102017	Comp. Open Elective IV_BDDA_Syllabus_4102017	10/5/2017
E&Tc and Elex. Open Elective IV_Data Science & Analytics_Syllabus_4102017	E_Tc and Elex_Syllabus_4102017	10/5/2017
TE Chemical Syllabus 2015 Course	TE_Chemical_2015 _New1092017	9/2/2017
TE Industrial 2008 to 2012	TE Industrial 2008 to 2012_28_8_2017	8/30/2017
TE PETROCHEMICAL 2008 to 2012	TE PETROCHEMICAL 2008 to 2012_28_8_2017	8/30/2017
TE PETROLEUM 2008 to 2012	TE PETROLEUM 2008 to 2012_28_8_2017	8/30/2017
TE POLYMER 2008 to 2012	TE POLYMER 2008 to 2012_28_8_2017	8/30/2017
TE Prod_Sandwich 2008 to 2012	TE Prod_Sandwich 2008 to 2012_28_8_2017	8/30/2017
TE Production 2008 to 2012	TE Production 2008 to 2012_28_8_2017	8/30/2017
TE Automobile 2008 to 2012	TE Automobile 2008 to 2012_28_8_2017	8/29/2017
TE Chemical 2008 to 2012	TE Chemical 2008 to 2012_28_8_2017	8/29/2017
TE Printing 2008 to 2012	TE Printing 2008 to 2012_28_8_2017	8/29/2017
TE_ Elx_ 2008 to 2012	TE_ Elx_ 2008 to 2012_28_8_2017	8/29/2017
M.E. Instru_Process_2017	ME_Instru_Process_2017_23-8-17	8/23/2017
Audit Course Lego Kits	Audit Course Lego Kits_11-8-17	8/11/2017
1 - 30 ▸		
Faculty : Humanities (9)		
Faculty : Interdisciplinary Studies (3)		
Faculty : Law (1)		
Faculty : Management (1)		
Faculty : Pharmaceuticals Science (2)		
Faculty : Science (13)		
Faculty : Technology (7)		

University of Pune
Structure for SE Chemical Engineering- 2012 Course

W.e.f: 2013-14

Subject Code	Subject	Teaching scheme			Examination Scheme					Marks
		Leet	Pr	Tut/ Draw	Online	Theory	Pr	Or	Tw	Total
	TERM–I									
209341	Chemistry- I	4	2	--	50	50	50	--	--	150
209342	Introduction to Chemical Engineering	1	--	2	--	--	--	--	25	25
209343	Chemical Engineering Fluid Mechanics	3	2	--	50	50	--	50	25	175
209344	Chemical Engineering Materials	3	2	--	50	50	--	50	--	150
209345	Process Calculations	4	--	--	50	50	--	--	--	100
209346	Soft Skills	--	2	--	--	--	--	--	25	25
207004	Engineering Mathematics –III	4	--	1	50	50	--	--	25	125
	Total	19	08	03	250	250	50	100	100	750
	TERM–II									
Subject Code	**Subject**	**Teaching scheme**			**Examination Scheme**					**Marks**
		Leet	**Pr**	**Tut/ Draw**	**Online**	**Theory**	**Pr**	**Or**	**Tw**	**Total**
209348	Chemistry - II	4	2	--	50	50	50	--	--	150
209349	Heat Transfer	4	2	--	50	50	50	--	--	150
209350	Principles of Design	4	--	2	50	50	--	--	50	150
209351	Chemical Engineering Thermodynamics I	4	--	--	50	50	--	--	--	100
209352	Mechanical Operations	4	2	--	50	50	50	--	25	175
209353	Workshop Practice	--	2	--	--	--	--	--	25	25
	Industrial Training I (to be evaluated in fifth semester)	--	--	--	--	--	--	--	--	--
	Total	20	08		250	250	150	--	100	750

Note: - This syllabus is subject to change without prior notice by the concerned BOS

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HeadOf Department
Department of Chemical Engineering
S. V. I. T. Chincholi,
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PRAVARA RURAL EDUCATION SOCIETY'S

SIR VISVESVARAYA INSTITUTE OF TECHNOLOGY, SINNAR, NASHIK

CHEMICAL ENGINEERING DEPARTMENT

Savitribai Phule Pune University Syllabus Structure

SE Chemical (2015 Course)

Semester-I **With effect from AY: 2016-17**

Code	Subject	Teaching Scheme (H/week)			Examination Scheme					Total Marks	Credits (Th+ PR)
		Leet	PR	Drw /Tu	Online	Theory End Semester	TW	PR	OR		
207004	Engineering Mathematics-III	4	-	1	50	50	25	-	-	125	5
209341	Chemistry-I	4	2	-	50	50	-	50	-	150	4+1
209342	Fluid Mechanics	4	2	-	50	50	25	-	50	175	4+1
209343	Engineering Materials	3	2	-	50	50	-	-	50	150	3+1
209344	Process Calculations	3	-	-	50	50	-	-	-	100	3
209345	Introduction to Chemical Engineering	1	-	2	-	-	25	-	-	25	2
209346	Soft Skills	-	2	-	-	-	25	-	-	25	1
	Audit Course-I	-	-	-	-	-	-	-	-	Grade= PP/NP	
Total		19	08	03	250	250	100	50	100	750	25

Semester-II

Code	Subject	Teaching Scheme (H/week)			Examination Scheme					Total Marks	Credits (Th+ PR)
		Leet	PR	Drw /Tu	Online	Theory End Semester	TW	PR	OR		
209347	Chemistry - II	4	2	–	50	50	–	50	–	150	4+1
209348	Heat Transfer	4	2	–	50	50	–	–	50	150	4+1
209349	Principles of Design	4	–	2	50	50	50	–	–	150	4+1
209350	Chemical Engineering Thermodynamics -I	4	–	–	50	50	–	–	–	100	4
209351	Mechanical Operations	4	2	–	50	50	–	–	50	150	4+1
209352	Workshop Practices	–	2	–	–	–	50	–	–	50	1
	Industrial Training	To be evaluated in fifth semester									
	Audit Course-II	-	-	-	-	-	-	-	-	Grade= PP/NP	
Total		20	8	2	250	250	100	50	100	750	25

Abbreviations: TW: Term Work, OR: Oral, PR: Practical, PP: Passed (Only for non-credit courses), NP: Not Passed (Only for non-credit courses)

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Savitribai Phule University of Pune
Third Year Computer Engineering (2015 Course)
(with effect from 2017-18)

Semester I

Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks						Credit	
		Theory	Tutorial	Practical	In-Sem	End-Sem	TW	PR	OR	Total	TH/ TUT	PR
310241	Theory of Computation	03	--	--	30	70	--	--	--	100	03	--
310242	Database Management Systems (DBMS)	03	--	--	30	70	--	--	--	100	03	--
310243	Software Engineering & Project Management	03	--	--	30	70	--	--	--	100	03	--
310244	Information Systems & Engineering Economics	03	--	--	30	70	--	--	--	100	03	--
310245	Computer Networks (CN)	04	--	--	30	70	--	--	--	100	04	--
310246	Skills Development Lab	--	02	04	--	--	50	--	50	100	02	02
310247	DBMS Lab	--	--	04	--	--	25	50	--	75	--	02
310248	CN Lab	--	--	02	--	--	25	50	--	75	--	01
										Total Credit	18	05
	Total	16	02	10	150	350	100	100	50	750	23	
310249	Audit Course 3										Grade	

310249-Audit Course 3 (AC3) Options:

AC3-I: Cyber Security

AC3-II: Professional Ethics and Etiquettes

AC3-III: Emotional Intelligeuce

AC3-IV: MOOC- Learn New Skills

AC3-V: Foreign Language (Japanese- Module 3)

Abbreviations:

TW: Term Work TH: Theory OR: Oral TUT: Tutorial PR: Practical Sem: Semester

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Third Year Computer Engineering (2015 Course)
(with effect from 2017-18)

Semester II

Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks						Credit	
		Theory	Tutorial	Practical	In-Sem	End-Sem	TW	PR	OR	Total	TH/ TUT	PR
310250	Design & Analysis of Algorithms	04	--	--	30	70	--	--	--	100	04	
310251	Systems Programming & Operating System (SP & OS)	04	--	--	30	70	--	--	--	100	04	--
310252	Embedded Systems & Internet of Things (ES & IoT)	04	--	--	30	70	--	--	--	100	04	--
310253	Software Modeling and Design	03	--	--	30	70	--		--	100	03	
310254	Web Technology	03	--	--	30	70	--	--	--	100	03	--
310255	Seminar & Technical Communication	--	01	--	--	--	50	--	--	50	01	--
310256	Web Technology Lab	--	--	02	--	--	25	50	--	75	--	01
310257	SP & OS Lab	--	--	04	--	--	25	50	--	75	--	02
310258	ES & IoT Lab	--	--	02	--	--	50	--	--	50	--	01
										Total Credit	19	04
	Total	18	01	08	150	350	150	100	--	750	23	
310259	Audit Course 4										Grade	

310259-Audit Course 4(AC4) Options:

AC4-I: Digital and Social Media Marketing AC4-II: Green Computing
AC4-III: Sustainable Energy Systems AC4-IV: Leadership and Personality Development
AC4-V: Foreign Language (Japanese- Module 4)

Abbreviations:

TW: Term Work TH: Theory OR: Oral TUT: Tutorial PR: Practical Sem: Semester

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Second Year of Computer Engineering (2015 Course)
(With effect from Academic Year 2016-17)

Semester I

Course Code	Course Name	Teaching Scheme Hours / Week			Examination Scheme & Marks						Credit	
		Theory	Tutorial	Practical	In-Sem	End-Sem	TW	PR	OR	Total	TH+ TUT	PR
210241	Discrete Mathematics	04	--	--	50	50	--	--	--	100	04	--
210242	Digital Electronics and Logic Design	04	--	--	50	50	--	--	--	100	04	--
210243	Data Structures and Algorithms	04	--	--	50	50	--	--	--	100	04	--
210244	Computer Organization and Architecture	04	--	--	50	50	--	--	--	100	04	--
210245	Object Oriented Programming	04	--	--	50	50	--	--	--	100	04	--
210246	Digital Electronics Lab	--	--	02	--	--	25	50	--	75	--	01
210247	Data Structures Lab	--	--	04	--	--	25	50	--	75	--	02
210248	Object Oriented Programming Lab	--	--	02	--	--	25	50	--	75	--	01
210249	Soft Skills	--	--	02	--	--	25	--	--	25	--	01
	Total										20	05
210250	Audit Course 1	--	--	--	--	--	--	--	--	--	Grade	
	Total	20	--	10	250	250	100	150	--	750	25	

Abbreviations:

TW: Term Work
OR: Oral
PR: Practical
TH: Theory
TUT: Tutorial
Sem: Semester

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Second Year of Computer Engineering (2015 Course)
(With effect from Academic Year 2016-17)
Semester II

Course Code	Course Name	Teaching Scheme Hours /Week			Examination Scheme & Marks						Credits	
		Theory	Tutorial	Practical	In-Sem	End-Sem	TW	PR	OR	Total	TH+ TUT	PR
207003	Engineering Mathematics III	04	01	--	50	50	25	--	--	125	05	--
210251	Computer Graphics	04	--	--	50	50	--	--	--	100	04	--
210252	Advanced Data Structures	04	--	--	50	50	--	--	--	100	04	--
210253	Microprocessor	04	--	--	50	50	--	--	--	100	04	--
210254	Principles of Programming Languages	03	--	--	50	50	--	--	--	100	03	--
210255	Computer Graphics Lab	--	--	02	--	--	25	50	--	75	--	01
210256	Advanced Data Structures Lab	--	--	04	--	--	25	50	--	75	--	02
210257	Microprocessor Lab	--	--	04	--	--	25	50	--	75	--	02
				Total							20	05
210258	Audit Course 2		--	--	--	--	--	--	--	--	Grade	
Total		19	01	10	250	250	100	150	--	750	25	

Abbreviations:

TW:	Term Work	TH:	Theory
OR:	Oral	TUT:	Tutorial
PR:	Practical	Sem:	Semester

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University of Pune

Course Structure for TE Computer Engineering

2012 Course (w.e.f. June 2014)

Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Mark
		Lect.	Tutorials	Pract	In-Semester Assessment	Tw	Pr	OR	End Semester Exam	Total
	SEM–I									
310241	Theory of Computation	4	—	—	30	—	—	—	70	100
310242	Operating Systems Design	4	—	—	30	—	—	—	70	100
310243	Data Communication and Wireless Sensor Networks	4	—	—	30	—	—	—	70	100
310244	Database Management Systems Applications	3	—	—	30	—	—	—	70	100
310245	Computer Forensic and Cyber Applications	3	—	—	30	—	—	—	70	100
310246	Programming Lab-I	—	—	4	—		50	50	—	100
310247	Programming Lab-II	—	—	4	—	50	—	50	—	100
310248	Employability Skills Development Lab	—	—	2	—	50	—	—	—	50
	Total of Semester – I	**18**	—	10	150	100	50	100	350	750

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Course Structure for TE Computer Engineering

2012 Course (w.e.f. June 2014)

SEM–II										
Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Mark
		Lect.	Tutorials	Pract	In-Semester Assessment	Tw	Pr	Or	End Semester Assessment	Total
310249	Principles of Concurrent and Distributed Programming	4	—	—	30	—	—	—	70	100
310250	Embedded Operating Systems	4	—	—	30	—	—	—	70	100
310251	Computer Networks	4	—	—	30	—	—	—	70	100
310252	Software Engineering	3	—	—	30	—	—	—	70	100
310253	Digital Signal Processing Applications	3	—	—	30	—	—	—	70	100
310254	Programming Laboratory-III	—	—	4	—	—	50	50	—	100
310255	Programming Laboratory-IV	—	—	4	—	50	—	50	—	100
310256	Seminar and Technical Communication Laboratory	—	—	2	—	50	—	—	—	50
	Total of Semester – II	**18**	—	**10**	**150**	**100**	**50**	**100**	**350**	**750**

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Course Structure for SE Computer Engineering

2012 Course (w.e.f. June 2013)

Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Mark
		Lect.	Tutorials	Pract	Paper	Tw	Pr	OR	Online	Total
				SEM–I						
210241	Discrete Structures	4	—	—	50	—	—	—	50	100
210242	Data Structures and Problem Solving	4	—	4	50	—	50	—	50	150
210243	Digital Electronics and Logic Design	3	—	2	50	25	—	—	50	125
210244	Operating System and Administration	3	—	2	50	25	50	—	50	175
210245	Microprocessor Architecture	3	—	2	50	25	—	50	50	175
210246	Soft Skills	1	—	2	—	25	—	—	—	025
	Total of Semester – I	**18**	—	12	250	100	100	50	250	750
				SEM–II						
Subject Code	**Subject**	**Teaching Scheme Hrs/Week**			**Examination Scheme**					**Mark**
		Leet.	Tutorials	Pract	Paper	Tw	Pr	Or	Online	Total
207003	Engineering Maths - III	4	1	—	50	25	—	—	50	125
210247	Object Oriented and multi-core Programming	4	—	4	50	25	50	—	50	175
210248	Microprocessors and Interfacing Techniques	3	—	4	50	—	50	—	50	150
210249	Computer Graphics and Gaming	3	—	—	50	—	—	—	50	100
210250	Computer Organization	3	—	—	50	—	—	—	50	100
210251	Programming Laboratory	—	—	4	—	50	—	50	—	100
	Total of Semester – II	**17**	1	12	250	100	100	50	250	750

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SAVITRIBAI PHULE PUNE UNIVERSITY

BE (COMPUTER ENGINEERING)- 2012 COURSE STRUCTURE

Term-I

Subject Code	Subject	Teaching Scheme			Examination Scheme				Total Marks
		Lect	Tut	Pract	In Sem Asmnt	PR/ TW	OR/ TW	End Sem Asmnt	
410441	Design & Analysis of Algorithms	03	—	—	30	—	—	70	100
410442	Principles of Modern Compiler Design	04	—	—	30	—	—	70	100
410443	Smart System Design and A p plications	03	—	—	30	—	—	70	100
410444	Elective-I.	03	—	—	30	—	—	70	100
410445	Elective-II	03	—	—	30	—	—	70	100
410446	Computer laboratory-I	—	—	04	—	50	50	—	100
410447	Computer Laboratory-II	—	—	04	—	50	50	—	100
410448	Project	—	02	—	—	50	—	—	50
	Total	16	02	08	150	150	100	350	750
	Term-II								
410449	Software Design Methodologies & Testing	03	—	—	30	—	—	70	100
410450	High Performance Comp uting	03	—	—	30	—	—	70	100
410451	Elective-III	03	—	—	30	—	—	70	100
410452	Elective-IV Open Elective	03	—	—	30	—	—	70	100
410453	Computer laboratory-III	—	—	04	—	50	50	—	100
410454	Computer Laboratory-IV	—	—	04	—	50	50	—	100
410455	Project	—	06	—	—	50	100	—	150
	Total	12	06	08	120	150	200	280	750

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Savitribai Phule Pune University, Pune
Master of Computer Engineering (2017 Course)
(with effect from June 2017)

Semester I

Course Code	Course	Teaching Scheme Hours / Week		Examination Scheme and Marks					Credit	
		Theory	Practical	In-Sem	End-Sem	TW	OR/PRE	Total	TH	PR
510101	Research Methodology	04	--	50	50	--	--	100	04	--
510102	Bio-Inspired Optimization Algorithms	04	--	50	50	--	--	100	04	--
510103	Software Development and Version Control	04	--	50	50	--	--	100	04	--
510104	Embedded and Real Time Operating Systems	04	--	50	50	--	--	100	04	--
510105	Elective I	05	--	50	50	--	--	100	05	-
510106	Laboratory Proficiency I	--	08	--	--	50	50	100	--	04
							Total Credit		21	04
	Total	21	08	250	250	50	50	600	25	
510107	Non-Credit Course I								Grade	

Elective I

510105A	Advanced Digital Signal Processing	510105B	Data Mining
510105C	Network Design and Analysis	510105D	Data Algorithms
510105E	Open Elective		

Semester II

Course Code	Course	Teaching Scheme Hours / Week		Examination Scheme and Marks					Credit	
		Theory	Practical	In-Sem	End-Sem	TW	OR/PRE	Total	TH	PR
510108	Operations Research	04	--	50	50	--	--	100	04	--
510109	System Simulation and Modeling	04	--	50	50	--	--	100	04	--
510110	Machine Learning	04	--	50	50	--	--	100	04	--
510111	Elective II	05	--	50	50	--	--	100	05	--
510112	Seminar I		04	--	--	50	50	100	--	04
510113	Laboratory Proficiency II	--	08	--	--	50	50	100	--	04
							Total Credit		17	08
	Total	17	12	200	200	100	100	600	25	
510114	Non-Credit Course II								Grade	

Elective II

510111A	Image Processing	510111B	Web Mining
510111C	Pervasive and Ubiquitous Computing	510111D	Network Security
510111E	Open Elective		

Abbreviations: TW: Term Work, **TH:** Theory, **OR:** Oral, **PRE:** Presentation, **Sem:** Semester

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Syllabus for ME (Computer Engineering)
Course 2013 (w.e.f 2013)

Subject Code	Subject	Teaching Scheme Hrs/Week		Examination Scheme					Credits
		Lect.	Pract	Paper		Tw	Oral/Presentation	Marks	
				In Semester Assessment	End Semester Assessment				
SEM—I									
510101	Applied Algorithms	04	—	50	50	—	—	100	4
510102	High Performance Databases	04	—	50	50	—	—	100	4
510103	Advanced Computer Architecture	04	—	50	50	—	—	100	4
510104	Research Methodology	04	—	50	50	—	—	100	4
510105	Elective –I	05	—	50	50#	—	—	100	5
510106	Laboratory Practice-I	—	04	—		50	50	100	4
	Total	21	04	250	250	50	50	600	25

Subject Code	Subject	Teaching Scheme Hrs/Week		Examination Scheme					Credits
		Lect.	Pract	Paper		Tw	Oral/Presentation	Marks	
				In Semester Assessment	End Semester Assessment				
SEM—II									
510107	Operating System Design	04	—	50	50	—	—	100	4
510108	Software Design and Architecture	04	—	50	50	—	—	100	4

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510109	**Advanced Computer Networks**	04	—	50	50	—	—	100	4
510110	Elective –II	05	—	50	50#	—	—	100	5
510111	Laboratory Practice-II	—	04	—		50	50	100	4
510112	Seminar-I	—	04	—		50	50	100	4
	Total	17	08	200	200	100	100	600	25

Subject Code	Subject	Teaching Scheme Hrs/Week		Examination Scheme					Credits
		Lect.	Pract	Paper		Tw	Oral/Presentation	Marks	
				In Semester Assessment	End Semester Assessment				
SEM—III									
610101	**Advanced Storage Systems and Infrastructure Management**	04	—	50	50	—	—	100	4
610102	**Advanced Unix Programming**	04	—	50	50	—	—	100	4
610103	Elective-III	05	—	50	50#	—	—	100	4
610104	Seminar–II	04	—			50	50	100	5
610105	Dissertation Stage – I	—	08	—		50	50	100	8
	Total	17	08	150	150	100	100	500	25

Subject Code	Subject	Teaching Scheme Hrs/Week		Examination Scheme					Credits
		Lect.	Pract	Paper		Tw	Oral/Presentation	Marks	
				In Semester Assessment	End Semester Assessment				

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SEM—IV									
610106	Seminar –III	—	05	—	—	50	50	100	5
610107	Dissertation Stage – II	—	20	—	—	150	50	200	20
	Total		25	—	—	200	100	300	25

#: Ref. Rule R-1.3 for Examination Rules of *"Rules and Regulations for M.E. Programs under faculty of Engineering effective from June 2013".*

Electives:

Elective I		Elective II	
510105A	Intelligent Systems	510110A	Business Intelligence and Data Mining
510105B	IRand Web Mining	510110B	Usability Engineering
510105C	Machine Learning and Translation	510110C	Advanced Complier Design
510105D	Open Elective /Real Time Systems	510110D	Open Elective/ Embedded System Design

Elective III		Non Credit Courses	
610103A	Network Security	Semester -I	Cyber Security
610103B	Cloud Computing	Semester-II	Information and Cyber Warfare
610103C	Computer Vision and Pattern Recognition	Semester-III	Bio-Metrics and Cyber Security
610103D	Open Elective/ Soft Computing	Semester -IV	Cyber Forensics and Information Security

The dissertation must result into the publication of at least two research papers (at Stage–I and Stage-II respectively) preferably in the Journal having Citation Index 2.0 and ISSN number; or paper can be published in reputed International Journal recommended by the guide of the Dissertation and the BoS supported cPGCON event for paper presentation and participation. The guides certificate covering originality of the work and plagiarism-testing result shall be included in the report along with the Published Journal Papers and. cPGCON paper presentation and participation certificates. The comments received by the journal paper reViewers be attached in the Dissertation report and shall be made available during dissertation presentation/viva to the examiners.

Note 1: Refer R-2.7 for Examination Rules of *"Rules and Regulations for M.E. Programs under faculty of Engineering effective from June 2013"*. Non-credit courses are mandatory for the grant of the term and shall be completed by the students as a self study either by referring to the Hand books, Journal/Conference papers (atleast 25 in number), open source software, tools and in addition may be by organizing educational visits to the technological/professional centers in the subject, *if any*. Each student is required to produce in own words, one 10 pages innovative, technical paper to be submitted as a part of the semester course work of non-credit courses.

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Savitribai Phule Pune University
FACULTY OF ENGINEERING
T.E. Electrical Engineering (2015 Course)
(w.e.f. 2017-2018)

SEMESTER-I

Sr. No	Subject Code	Subject Title	Teaching Scheme			Examination Scheme					Total Marks	Credit	
						PP		TW	PR	OR			
			Th.	Pr.	Tu.	In Sem	End Sem					TH/ TU	PR+OR
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											
TOTAL			18	10	--	150	350	100	100	50	750	18	05

SEMESTER-II

Sr. No.	Subject Code	Subject Title	Teaching Scheme			Examination Scheme					Total Marks	Credit	
						PP		TW	PR	OR			
			Th.	Pr.	Tu	In Sem	End Sem					TH/ TU	PR+OR
1.	303146	Power System II	04	02	--	30	70	--	50	--	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											
Total			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
PR: Theory
OR: Oral
PP: Paper- In semester and End Semester

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Savitribail Phule Pune University
S.E. Electrical Engineering 2015 – Course
(w. e. f. 2016-2017)

Semester I													
Sr. No.	Subject Code	Subject Title	Teaching Scheme			Semester Examination Scheme of Marks						Credit	
						Paper							
			Th.	Tut.	Pr.	In Sem (Online)	End Sem	TW	PR	OR	Total	TH/ TUT	PR+OR
1.	203141	Power Generation Technologies	04	--	--	50	50	--	--	--	100	04	--
2.	207006	Engineering Mathematics-III	04	01	--	50	50	25	--	--	125	05	--
3.	203142	Material Science	04	--	02	50	50	--	--	50	150	04	01
4.	203143	Analog and Digital Electronics	04	--	02	50	50	25	50	--	175	04	01
5.	203144	Electrical Measurements and Instrumentation	04	--	02	50	50	25	50	--	175	04	01
6.	203151	Soft Skills	--	--	02	--	--	25	--	--	25	--	01
										Total		21	04
7.	203154	Audit Course I	--	--	--	--	--	--	--	--	--	Grade: PP/NP	
	Total		20	01	08	250	250	100	100	50	750	25	

Semester II													
Sr. No.	Subject Code	Subject Title	Teaching Scheme			Semester Examination Scheme of Marks						Credit	
						Paper							
			Th.	Tut.	Pr.	In Sem (Online)	End Sem	TW	PR	OR	Total	TH/ TUT	PR+OR
1.	203145	Power System I	04	--	--	50	50	--	--	--	100	04	--
2.	203146	Electrical Machines I	04	--	02	50	50	25	50	--	175	04	01
3.	203147	Network Analysis	04	--	02	50	50	50	--	--	150	04	01
4.	203148	Numerical Methods and Computer Programming	04	01	02	50	50	25	50	--	175	05	01
5.	203149	Fundamentals of Microcontroller and Applications	04	--	02	50	50	--	--	50	150	04	01
										Total		21	04
6.	203155	Audit Course II										Grade: PP/NP	
Total			20	01	08	250	250	100	100	50	750	25	

TW: Term Work OR:Orat PR: Practical
PP: Passed (Only for non-credit courses) NP: Not Passed (Only for non-credit courses)

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University of Pune
FACULTY OF ENGINEERING
T.E. Electrical Engineering
(2012 Course)
(w.e.f. 2014-2015)

SEMESTER-I

Sr. No	Subject Code	Subject Title	Teaching Scheme			Examination Scheme					Total Marks
			Th.	Pr.	Tu.	PP In Sem	PP End Sem	TW	PR	OR	
1	311121	Industrial and Technology Management	04	--	--	30	70	--	--	--	100
2	303141	Advance Microcontroller and its Applications	04	02	--	30	70	--	--	50	150
3	303142	Electrical Machines II	04	02	--	30	70	--	50	--	150
4	303143	Power Electronics	04	02	--	30	70	--	50	--	150
5	303144	Electrical Installation, Maintenance and Testing	04	02	--	30	70	50	--	--	150
6	303145	Seminar and Technical Communication	--	02	--	--	--	50	--	--	50
TOTAL			20	10	--	150	350	100	100	50	750

SEMESTER-II

Sr. No	Subject Code	Subject Title	Teaching Scheme			Examination Scheme					Total Marks
			Th.	Pr.	Tu.	PP In Sem	PP End Sem	TW	PR	OR	
1.	303146	Power System II	04	02	--	30	70	25	50	--	175
2.	303147	Control System I	04	02	--	30	70	-	--	50	150
3.	303148	Utilization of Electrical Energy	04	--	--	30	70	--	--	--	100
4.	303149	Design of Electrical Machines	04	04	--	30	70	25	--	50	175
5.	303150	Energy audit and Management	04	--	--	30	70	--	--	--	100
6.	303151	Electrical Workshop	--	02	--	--	--	50	--	--	50
Total			20	10	--	150	350	100	50	100	750

Th.	Theory lectures hours/week	TW	Term work
Pr.	Practical hours/week	PR	Theory
Tu.	Tutorial hours/week	OR	Oral
		PP	Paper- In semester and End Semester

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University of Pune
S.E. Electrical Engineering 2012–Course
(w.e.f. 2013-2014)

SEMESTER – I											
Sr. No.	Subject Code	Subject Title	Teaching Scheme			Examination Scheme					Total Marks
						Paper		TW	PR	OR	
			Th.	Pr.	Tut.	Written	Theory Online				
1.	203141	Power Generation Technologies	04	–	–	50	50	–	–	–	100
2.	207006	Engineering Mathematics-III	04	–	01	50	50	25	–	–	125
3.	203142	Material Science	04	02	–	50	50	–	–	50	150
4.	203143	Analog and Digital Electronics	04	02	–	50	50	25	50	–	175
5.	203144	Electrical Measurements and Instrumentation	04	02	–	50	50	25	50	–	175
6.	203151	Soft Skills	–	02	–	–	–	25	–	–	25
Total			20	08	01	250	250	100	150		750

SEMESTER – II											
Sr. No.	Subject Code	Subject Title	Teaching Scheme			Examination Scheme					Total Marks
						Paper		TW	PR	OR	
			Th.	Pr.	Tut.	Written	Theory Online				
1.	203145	Power System I	04	–	–	50	50	–	–	–	100
2.	203146	Electrical Machines I	04	02	–	50	50	25	50	–	175
3.	203147	Network analysis	04	02	–	50	50	50	–	–	150
4.	203148	Numerical Methods and Computer Programming	04	02	02	50	50	25	50	–	175
5.	203149	Fundamentals of Microprocessor & Microcontroller	04	02	–	50	50	–	–	50	150
Total			20	08	02	250	250	100	150		750

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Course Structure for S.E. (Electronics/Electronics & Telecommunication Engineering)

2012 Course (w.e.f. June-2013)

SEMESTER-I										
Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Marks
		Lect	Tut	Pr	Theory Online	Tw	Pr	Or	Theory Paper	Total
204181	Signals & Systems	4	1	-	50	25	-	-	50	125
204182	Electronic Devices & Circuits	4	-	2	50	-	50	-	50	150
204183	Network Theory	3	1	-	50	25	-	-	50	125
204184	Data structures & Algorithms	4	-	2	50	-	-	50	50	150
204185	Digital Electronics	4	-	2	50	-	50	-	50	150
204186	Electronic Measuring Instruments & Tools	1	-	2	-	50	-	-	-	50
	Total	20	2	8	250	100	100	50	250	750
SEMESTER-II										
Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Marks
		Lect	Tut	Pr	Theory Online	Tw	Pr	Or	Theory Paper	Total
207005	Engineering Maths-III	4	1	-	50	25	-	-	50	125
204187	Integrated Circuits	3	-	2	50	-	50	-	50	150
204188	Control Systems	3	1	-	50	25	-	-	50	125
204189	Analog Communication	4	-	2	50	-	50	-	50	150
204190	Computer Organization	3	-	-	50	-	-	-	50	100
204191	Object Oriented Programming	2	-	2	-	25	-	50	-	75
204192	Soft Skills	1	-	2	-	25	-	-	-	25
	Total	20	2	8	250	100	100	50	250	750

Dr. D S Bormane
Chairman, BOS(Electronics)
University of Pune, Pune

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TE (E & TC) Structure

2012 Course w.e.f. June 2014

SEMESTER I

Subject Code	Subject	Teaching Scheme			Examination Scheme					Marks
		Lect	Tut	Pr	Pr	Oral	TW	In Semester Assessment Phase I	End Semester Examination Phase II	Total
304181	Digital Communication	4						30	70	100
304182	Digital Signal Processing	4						30	70	100
304183	Micro Controller and Applications	3						30	70	100
304184	Electromagnetics and Transmission Lines	3	1					30	70	100
304185	System Programming and Operating System	3						30	70	100
304186	Digital Communication and Signal Processing Lab			4	50		50			100
304187	System Programming and Microcontroller Applications Lab			4	50		50			100
304188	Employability Skills in Electronics Design	2		2		50				50
	Total	**19**	**1**	**10**	**100**	**50**	**100**	**150**	**350**	**750**

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TE (E & TC) Structure

2012 Course w.e.f. June 2014

SEMESTER II

Subject Code	Subject	Teaching Scheme			Examination Scheme					Marks
		Lect	Tu	Pr	Pr	Oral	TW	In Semester Assessment Phase I	End Semester Examination Phase II	Total
304189	Information Theory and Coding Techniques	4						30	70	100
04190	Antenna and Wave Propagation	4						30	70	100
304191	Embedded Processors	4						30	70	100
304192	Industrial Management	3						30	70	100
304193	Power Electronics	3						30	70	100
304194	Communication Lab			4	50		50			100
304195	Power Electronics and Embedded Lab			4	50		50			100
304196	Mini project and Seminar			4		50				50
	Total	**18**		**12**	**100**	**50**	**100**	**150**	**350**	**750**

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Dr. D. S. Bormane
BOS Chairman

Semester-II

Subject Code	Subject	Teaching Scheme			Examination Scheme					Marks
		LECT	TUT	PR	In Semester Assessment Phase I	PR	OR	TW	End Semester Examination Phase II	Total
404189	Mobile Communication	4			30				70	100
404190	Broadband Communication Systems	4			30				70	100
404191	Elective III	3			30				70	100
404192	Elective IV	3			30				70	100
404193	Lab Practice III(MC & BCS)			4			50	50		100
404194	Lab Practice IV(Elective III)			2		50		50		100
404195	Project Phase II		6			50		100		150
	Total	**14**	**6**	**6**	**120**	**100**	**50**	**200**	**280**	**750**

Elective III

1. Speech & Audio Signal Processing
2. RF Circuit Design
3. Audio Video Engineering
4. Soft Computing

Elective IV

1. Biomedical Signal Processing
2. Nano Electronics & MEMS
3. Detection & Estimation Theory
4. Wireless Networks
5. Open Elective*

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***Any one subject from the list of Elective IV of computer/IT/Electrical/Instrumentation or Institute can offer elective IV based on any industry need with prior approval from BoS(Electronics). Repetition of subjects or topics is to be avoided.**

Dr. D. S. Bormane
Chairman, BOS(Electronics)

Savitribai Phule Pune University, Pune
SE(E&TC/Electronics Engineering) 2015 Course

(With effect from Academic Year 2016-17)

Semester I

Course Code	Course	Teaching Scheme Hours / Week			Semester Examination Scheme of Marks						Credit	
		Theory	Tutorials	Practicals	In-Sem (On line)	End-Sem (Theory)	TW	PR	OR	Total	TH/TUT	PR+OR
204181	Signals & Systems	3	1	-	50	50	25	-	-	125	4	-
204182	Electronic Devices & Circuits	4	-	2	50	50	-	50	-	150	4	1
204183	Electrical Circuits and Machines	3	-	2	50	50	25	-	-	125	3	1
204184	Data Structures and Algorithms	4	-	2	50	50	-	-	50	150	4	1
204185	Digital Electronics	4	-	2	50	50	-	50	-	150	4	1
204186	Electronic Measuring Instruments & Tools	1	-	2	-	-	50	-	-	50	1	1
204192	Audit Course 1	--	--	--	--	--	--	--	--	--		
	Total	19	1	10	250	250	100	100	50	750	20	05
									Total Credits		25	

Abbreviations:

Th : Theory
TW: Term Work
OR: Oral

TUT: Tutorial
PR : Practical

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Note: Interested students of S.E. (Electronics/E&TC) can opt any one of the audit course from the audit courses prescribed by BoS (Electronics/Computer/IT/Electrical/Instrumentation)

SE(E&TC/Electronics Engineering) 2015 Course

(With effect from Academic Year 2016-17)

Semester II

Course Code	Course	Teaching Scheme Hours / Week			Semester Examination Scheme of Marks						Credit	
		Theory	Tutorials	Practicals	In-Sem (on line)	End-Sem (Theory)	TW	PR	OR	Total	TH/TUT	PR+OR
207005	Engineering Mathematics III	4	1	-	50	50	25	-	-	125	5	-
204187	Integrated Circuits	4	-	2	50	50	25	50	-	175	4	1
204188	Control Systems	3	-	-	50	50	-	-	-	100	3	-
204189	Analog Communication	3	-	2	50	50	-	50	-	150	3	1
204190	Object Oriented Programming	3	-	4	50	50	-	-	50	150	3	2
204191	Employability Skill Development	2	-	2	-	-	50	-	-	50	2	1
204193	Audit Course 2	--	--	--	--	--	--	--	--	--		
	Total	19	1	10	250	250	100	100	50	750	20	05
									Total Credits		25	

Abbreviations:

TH: Theory
TW: Term Work
OR: Oral

TUT: Tutorial
PR: Practical

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Note: Interested students of S.E (Electronics/E&TC) can opt any one of the audit course from the audit courses prescribed by BoS (Electronics/Computer/IT/Electrical/Instrumentation)

Third Engineering-E&TC (2015 Course)

(With effect from Academic Year 2017-18)

Semester I												
Course Code	Course	Teaching Scheme Hours / Week			Semester Examination Scheme of Marks						Credits	
		Theory	Tutorials	Practicals	In-Sem	End-Sem	TW	PR	OR	Total	TH/TW	PR+OR
304181	Digital Communication	4	–	–	30	70	–	–	–	100	4	–
304182	Digital Signal Processing	4	–	–	30	70	–	–	–	100	4	–
304183	Electromagnetics	3	1	–	30	70	–	–	–	100	4	–
304184	Microcontrollers	3	–	–	30	70	–	–	–	100	3	1
304185	Mechatronics	3	–	–	30	70	–	–	–	100	3	1
304191	Signal Processing and Communications Lab (DC/DSP)	–	–	4	–	–	50	50		100	–	2
304192	Microcontrollers and Mechatronics Lab	–	–	4	–	–	50	50		100		
304193	Electronics System Design	2	–	2	–	–	-	–	50	50	2	1
	Audit Course3	–	–	–	–	–	–	–	–	–	----	
	Total	19	1	10	150	350	100	100	50	750		
										Total Credits	25	

Abbreviations:

TH: Theory OR: Oral
TW: Term Work PR: Practical

Note: Interested students of T.E (Electronics/E&TC) can opt any one of the audit course from the audit coorses prescribed by BoS (Electronics/Computer/IT/Electrical/Instrumentation)

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Third Engineering-E&TC (2015 Course)

(With effect from Academic Year 2017-18)

Semester II												
Course Code	Course	Teaching Scheme Hours/Week			Semester Examination Scheme of Marks						Credit	
		Theory	Tutorials	Practicals	In-Sem	End-Sem	TW	PR	OR	Total	TH/TW	PR+OR
304186	Power Electronics	4	--	--	30	70	--	--	--	100	4	--
304187	Information Theory, Coding and Communication Networks	4	--	--	30	70	--	--	--	100	4	--
304188	Business Management	3	--	--	30	70	--	--	--	100	3	--
306189	Advanced Processors	4	--	--	30	70	--	--	--	100	4	1
304190	System Programming and Operating Systems	3	--	--	30	70		--	--	100	3	1
304194	Power and ITCT Lab	--	--	4	--	--	50	50	--	100	--	2
304195	Advanced Processors and System Programming Lab	--	--	4	--	--	50	50	--	100		
304196	Employability Skills and Mini Project	2	--	2	--	--	--	--	50	50	2	1
	Audit Course 4	--	--	--	--	--	--	--	--	--		
	Total	20	--	10	150	350	100	100	50	750		
										Total Credits	25	

Abbreviations:

TH: Theory OR: Oral
TW: Term Work PR: Practical

Note: Interested students of T.E (Electronics/E&TC) can opt any one of the audit course from the audit courses prescribed by BoS (Electronics/Computer/IT/Electrical/Instrumentation)

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T.E. (Information Technology) 2015 Course to be implemented from June 2017

SYLLABUS STRUCTURE

SEMESTER – I

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks	Credits
		Lecture	Tutorial	Practical	In-Sem. Paper	End-Sem. Paper	TW	PR	OR		
314441	Theory of Computation	4	--	--	30	70	--	--	--	100	4
314442	Database Management Systems	4	--	--	30	70				100	4
314443	Software Engineering &Project Management	3	--	--	30	70	--	--	--	100	3
314444	Operating System	4	--	--	30	70	--	--	--	100	4
314445	Human-Computer Interaction	3	--	--	30	70	--	--	--	100	3
314446	Software Laboratory-I		--	4	--	--	25	50	50	125	2
314447	Software Laboratory-II	--	--	4	--	--	25	50	--	75	2
314448	Software Laboratory-III	--	--	2	--	--	50	--	--	50	1
314449	Audit Course 3	--	--		--	--	--	--	--	Grade	
	Total	18	--	10	150	350	100	100	50	750	23
	Total of Part-I	28 Hours				750					

SEMESTER – II

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks	Credits
		Lecture	Tutorial	Practical	In-Sem. Paper	End-Sem. Paper	TW	PR	OR		
314450	Computer Network Technology	3	-	--	30	70	-	--	-	100	3
314451	Systems Programming	4	-	--	30	70	-	--	--	100	4
314452	Design and Analysis of Algorithms	4	-	-	30	70	-	--	-	100	4
314453	Cloud Computing	3	-	-	30	70	-	-	--	100	3
314454	Data Science & Big Data Analytics	4	-	-	30	70	-	-	-	100	4
314455	Software Laboratory-IV	--	--	2	--	--	25	--	25	50	1
314456	Software Laboratory-V	--	--	4	--	--	50	50	--	100	2
314457	Software Laboratory-VI	--	--	2	--	--	25	25	--	50	1
314458	Project Based Seminar	--	01	--	--	--	-	--	50	50	1
314459	Audit Course 4	--	--	--	--	--	--	--	--	Grade	
	Total	18	01	08	150	350	100	75	75	750	23
	Total of Part-II	27 Hours				750					

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S.E. (Information Technology) 2015 Course to be implemented from June 2016

SEMESTER–I

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks	Credits
		Lecture	Tutorial	Practical	Theory Paper	Theory Online	TW	PR	OR		
214441	Discrete Structures	4	--	--	50	50	--	--	--	100	4
214442	Computer Organization&Architecture	4	--	--	50	50				100	4
214443	Digital Electronics and Logic Design	4	--	--	50	50	--	--	--	100	4
214444	Fundamentals of Data Structures	4	--	--	50	50	--	--	--	100	4
214445	Problem Solving and Object Oriented programming	4	--	--	50	50	--	--	--	100	4
214446	Digital Laboratory	--	--	2	--	--	25	50	--	75	1
214447	Programming Laboratory	--	--	4	--	--	25	50	--	75	2
214448	Object Oriented programming Lab.	--	--	2	--	--	25	50	--	75	1
214449	Communication Skills	--	--	2	--	--	25	--	--	25	1
	Audit Course	--	--	--	--	--	--	--	--	Grade	
	Total	20	--	10	250	250	100	150	--	750	25
	Total of Part-I	30 Hours			750						

SEMESTER – II

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks	Credits
		Lecture	Tutorial	Practical	Theory Paper	Theory Online	TW	PR	OR		
207003	Engineering Mathematics -III	4	1	--	50	50	25	--	--	125	5
214450	Computer Graphics	3	--	--	50	50	--	--	--	100	3
214451	Processor Architecture and Interfacing	4	--	--	50	50	--	--	--	100	4
214452	Data Structures & Files	4	--	--	50	50	--	--	--	100	4
214453	Foundations of Communication and Computer Network	4	--	--	50	50	--	--	--	100	4
214454	Processor Interfacing Laboratory	--	--	4	--	--	25	50	--	75	2
214455	Data Structure and Files Laboratory	--	--	4	--	--	25	50	--	75	2
214456	Computer Graphics Laboratory	--	--	2	--	--	25	50	--	75	1
	Audit Course	--	--	--	--	--	--	--	--	Grade	
	Total	19	01	10	250	250	100	150	--	750	25
	Total of Part-II	30 Hours			750						

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B.E. (Information Technology) 2012 Course to be implemented from June 2015

SEMESTER– I

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks
		Lecture	Practical	Tutorial	In-Semester Assessment Phase - I	TW	PR	OR	End Semester Examination Phase - II	
414453	Information and Cyber Security	3			30				70	100
414454	Software Modeling and Design	3			30				70	100
414455	Machine Learning	4			30				70	100
414456	Elective – I	3			30				70	100
414457	Elective – II	3			30				70	100
414458	Software Laboratory- III	--	4	--		50	--	50		100
414459	Software Laboratory - IV	--	4	--		--	50	50		100
414460	Project Phase I	--	--	2		50	--	--		50
Total		16	8	2	150	100	50	100	350	750

Software Laboratory– III: (Information and Cyber Security+ Machine Learning)
Software Laboratory– IV: (Software Modeling and Design + Testing)

Elective– I	Elective – II
414456 A : Soft Computing	414457 A : Business Intelligence
414456 B : Usability Engineering	414457 B : Service Oriented Architecture
414456 C : Modern Compilers	414457 C : E&M Governance
414456 D : Parallel Algorithms and Design	414457 D : Geo Informatics Systems
414456 E : Cloud Computing	414457 E : Natural Language Processing

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SEMESTER – II

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks
		Lecture	Practical	Tutorial	In-Semester Assessment Phase - I	TW	PR	OR	End Semester Examination Phase - II	
414461	Distributed System	3			30				70	100
414462	Advanced Databases	3			30				70	100
414463	Elective – III	3	2	--	30	25	--	25	70	150
414464	Elective–IV	3			30				70	100
414465	Software Laboratory - V	--	2	--		25	25	--		50
414466	Software Laboratory - VI	--	4	--		--	50	50		100
414467	Project Work	--	--	6		50	--	100		150
Total		12	8	6	120	100	75	175	280	750

Software Laboratory–V: (Distributed Systems)
Software Laboratory – VI: (Advanced Databases)

Elective – III	Elective – IV
414463 A :Mobile Computing	414464 A :Bio Informatics
414463 B :Advanced Graphics and Animation	414464 B :Real Time and Embedded Systems
414463 C :Information Storage and Retrieval	414464 C :Green IT - Principles and Practices
414463 D :IT Enabled Services	414464 D :Internet of Things
414463 E :Advanced Computer Networks	414464 E :Open Elective

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T.E.(Information Technology) 2012 Course to be Implemented from June 2014

SEMESTER – I

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks
		Lecture	Practical	Tutorial	In-Semester Assessment Phase - I	TW	PR	OR	End Semester Examination Phase - II	
314441	Computer Network Technology	3			30				70	100
314442	Theory of Computation	4			30				70	100
314443	Database Management Systems	4			30				70	100
314444	Software Engineering	3			30				70	100
314445	Web Engineering and Technology	3			30				70	100
314446	Software Laboratory- I		4			50	50			100
314447	Database Management Systems Laboratory		4				50	50		100
314448	Employability Skill Development Laboratory	1	2			50				50
Total		18	10		150	100	100	50	350	750

Software Lab.-I Part – I : Assignments on Computer Network Technology and
Part – II : Assignments on Web Engineering and Technology

SEMESTER – II

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks
		Lecture	Practical	Tutorial	In-Semester Assessment Phase - I	TW	PR	OR	End Semester Examination Phase - II	
314449	Design and Analysis of Algorithms	4			30				70	100
314450	Systems Programming	4			30				70	100
314451	Operating System	4			30				70	100
314452	Multimedia Technologies	3			30				70	100
314459	Information Tech Project Management	3			30				70	100
314454	Operating System Laboratory		4			50	50			100
314455	Software Laboratory - II		4				50	50		100
314456	Seminar & Technical Communication Lab.		2			50				50
Total		18	10		150	100	100	50	350	750

Software Lab.-II Part – I : Assignments on Design and Analysis of Algorithms and
Part – II : Assignments on Systems Programming

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Structure of S.E. (Information Technology) 2012 Course
w.e.f. Academic Year 2013 – 14

Part-I

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks
		Leet	Tuto	Pract	Thoery Paper	Thoery Online	TW	Pract	Oral	
214441	Discrete Structures	4	–	–	50	50	–	–	–	100
214442	Computer Organization	4	–	–	50	50				100
214443	Digital Electronics & Logic Design	3	–	–	50	50	–	–	–	100
214444	Fundamentals of Data Structures	4	–	–	50	50	–	–	–	100
214445	Problem Solving and Object Oriented Programming	4	–	–	50	50	–	–	–	100
214446	Digital Electronics Laboratory	–	–	4	–	–	–	50	50	100
214447	Programming Laboratory	–	–	4	–	–	50	50	–	100
214448	Communication & Language Laboratory	1	–	2	–	–	50	–	–	050
	Total	20	–	10	250	250	100	100	50	750
	Total of Part-I	30 Hrs			750					

Part-II

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks
		Leet	Tuto	Pract	Thoery Paper	Thoery Online	TW	Pract	Oral	
207003	Engineering Maths-III	4	01	–	50	50	25	–	–	125
214449	Computer Graphics	4	–	–	50	50	–	–	–	100
214450	Processor Architecture & Interfacing	4	–	–	50	50	–	–	–	100
214451	Data Structures & Files	4	–	–	50	50	–	–	–	100
214452	Foundations of Computer Network	3	–	–	50	50	–	–	–	100
214453	Processor Interfacing Laboratory	–	–	4	–	–	25	–	50	075
214454	Data Structure & Files Laboratory	–	–	4	–	–	25	50	–	075
214455	Computer Graphics Laboratory	–	–	2	–	–	25	50	–	075
	Total	19	01	10	250	250	100	100	50	750
	Total of Part-II	30 Hrs			750					

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Structure of S.E. (Mechanical Engineering/ Automobile Engineering)
2015 Course

Semester-I

Subject Code	Subject	Teaching Scheme Hours/Week			Examination Scheme					Total Marks	Credits	
		L	Tut.	P.	In-Sem (online)	End-Sem	TW	Pr.	Oral		Lect/Tut	Pr/Or
207002	Engineering Mathematics – III	04	01	-	50	50	25	-	-	125	05	-
202041	Manufacturing Process-I	03	-	02	50	50	50	-	-	150	03	01
202042	Computer Aided Machine Drawing	01	-	02	--	--		50	-	50	01	01
202043	Thermodynamics	04	-	02	50	50	-	-	50	150	04	01
202044	Material Science	03	01	-	50	50	25	-	-	125	03	01
202051	Strength of Materials	04	-	02	50	50	-	-	50	150	04	01
202055	Audit course											
					--	--						
	Total	19	02	08	250	250	100	50	100	750	20	05
	Total of Part-I	29 Hrs				750					25	

Note: Material Science and Engineering Mathematics-III practical may be carried out fortnightly for two hours, so that the tutorial hours may be used as practical.

Semester-II

Subject Code	Subject	Teaching Scheme Hours/Week			Examination Scheme					Total Marks	Credits	
		L	Tut.	P.	In-Sem (online)	End-Sem	TW	Pr.	Oral		Lect/Tut	Pr/Or
202045	Fluid Mechanics	04	-	02	50	50	-	50	-	150	04	01
202047	Soft Skills	-	-	02	--	--	25	-	-	25	-	01
202048	Theory of Machines– I	04	01	-	50	50	25	-	25	150	04	01
202049	Engineering Metallurgy	03	01	-	50	50	-	-	25	125	03	01
202050	Applied Thermodynamics	04	-	02	50	50	-	50	-	150	04	01
203152	Electrical and Electronics Engineering	03	-	02	50	50	25	-	-	125	03	01
202053	Machine Shop – I	-	-	02	–	–	25	-	-	25	-	01
	Total	18	02	10	250	250	100	100	50	750	18	07
	Total of Part-II	30 Hrs				750					25	

Note: Theory of Machine-I and Engineering Metallurgy practical may be carried out fortnightly for two hours, so that the tutorial hours may be used as practical.

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Audit Course1

In addition to credits courses, it is recommended that there should be audit course (non-credit course) from second year of Engineering. The student will be awarded grade as AP on successful completion of audit course. The student may opt for one of the audit courses, starting in second year first semester. Though not mandatory, such audit courses can help the student to get awareness of different issues which make impact on human lives and enhance their skill sets to improve their employability. List of audit courses offered in each semester is provided in curriculum. Student can choose one audit course from the list. Evaluation of audit course will be done at institute level. Method of conduction and method of assessment for audit courses is suggested.

The student registered for audit course shall be awarded the grade AP and shall be included such grade in the Semester grade report for that course, provided student has the minimum attendance as prescribed by the Savitribai Phule Pune University and satisfactory in-semester performance and secured a passing grade in that audit course. No grade points are associated with this 'AP' grade and performance in these courses is not accounted in the calculation of the performance indices SGPA and CGPA. Evaluation of audit course will be done at institute level itself.

(Ref-http://www.unipune.ac.in/Syllabi_PDF/revised-2015/engineering/UG_RULE_REGULATIONS_FOR_CREDIT_SYSTEM-2015_18June.pdf)

Guidelines for Conduction and Assessment (Any one or more of following but not limited to)

- Lectures/ Guest Lectures
- Visits (Social/Field) and reports
- Demonstrations
- Surveys
- Mini Project
- Hands on experience on specific focused topic

Guidelines for Assessment (Any one or more of following but not limited to)

- Written Test
- Demonstrations/ Practical Test
- Presentations
- IPR/Publication
- Report

List of courses under Audit Course1

Course Code	Audit Course Title
202054 A	Road Safety
202054 B	Innovations in engineering field / Agriculture
202054 C	Value Education

The detail course contents of above mentioned audit courses are available in Mechanical Engineering 2015 course syllabus. Moreover students can opt for any other audit course from the list of Audit Course1 of any branch of engineering.

Savitribai Phule Pune University
T.E. Mechanical Engineering 2015 – Course
T. E. (Mechanical) (2015 Course) Semester – I

Code	Subject	Teaching Scheme Hrs/week			Examination Scheme					Total Marks	Credits	
		Lecture	Tut	Pract	In-Sem	ESE	TW	PR	OR		Th	TW/PR/OR
302041	Design of Machine Elements-I	4	-	2	30@	70@	50	-		150	4	1
302042	Heat Transfer*	4	-	2	30	70		50	-	150	4	1
302043	Theory of Machines-II^{S}	3	1		30	70	25	-	25	150	3	1
302044	Turbo Machines	3	-	2	30	70	-	-	25	125	3	1
302045	Metrology and Quality Control^{S}	3	-	2	30	70	-	-	25	125	3	1
302046	Skill Development	-	-	2	-	-	25	25	-	50	-	1
Total		17	1	10	150	350	100	75	75	750	17	6
											23	

T. E. (Mechanical) (2015 Course) Semester– II

Code	Subject	Teaching Scheme Hrs /week			Examination Scheme					Total Marks	Credits	
		Lecture	Tut	Pract	In-Sem	ESE	TW	PR	OR		Th	TW/PR/OR
302047	Numerical Methods and Optimization*	4	-	2	30	70	-	50	-	150	4	1
302048	Design of Machine Elements-II	4	-	2	30@	70@	25	-	25	150	4	1
302049	Refrigeration and Air Conditioning	3	-	2	30	70	-	-	25	125	3	1
302050	Mechatronics*%	3	1		30	70	-	-	25	125	3	1
302051	Manufacturing - Process-II^{S}	3	-	-	30	70	-	-	-	100	3	-
302052	Machine Shop-II^{S}	-	-	2	-	-	50	-	-	50	-	1
302053	Seminar^{S}	-	-	2	-	-	25	-	25#	50	-	1
302054	Audit Course*	--	--	--	--	--	-	-	-	-	-	-
Total		17	1	10	150	350	100	50	100	750	17	6
											23	

Though it is under Oral head Internal Panel to be appointed by Principal and HOD. Examination schedule will not be prepared at University level.

* Marked subjects are common with TE (Auto. Engg.) and TE Mech. Sandwich

^{S} Marked subjects are common with TE (Auto. Engg.) only

% Marked subjects are common with TE Mech. Sandwich only

@ Examination time for Insem examination 1 Hr 30 Min. and Endsem examination 3Hrs.

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T. E. (Mechanical) Semester– I

(w.e.f. Academic year 2014-15)

Code	Subject	Teaching Scheme (Weekly Load in hrs)			Examination Scheme (Marks)					
		Lect.	Tut	Pract.	Theory		TW	PR	OR	Total
					In Sem.	End Sem.				
302041	Design of Machine Elements – I	4	–	2	30#	70@	25**	–	–	125
302042	Heat Transfer	4	–	2	30	70	–	50*	–	150
302043	Theory of Machines-II	4	–	2	30	70	–	–	50$	150
302044	Metrology and Quality Control	3	–	2	30	70	–	–	50	150
302045	Hydraulics and Pneumatics	3	–	2	30	70	25	–	–	125
302046	Skill Development	–	–	2	–	–	50	–	–	50
Total of Semester– I		18	–	12	150	350	100	50	100	750

* Evaluation should be on performance in practical examination and oral based on Term Work
$Common Oral will be based on both TOM-I and TOM-II term work atend of First Semester of T.E.

T. E. (Mechanical) Semester– II

Code	Subject	Teaching Scheme (Weekly Load in hrs)			Examination Scheme (Marks)					
		Lect.	Tut	Pract.	Theory		TW	PR	OR	Total
					In Sem.	End Sem.				
302047	Numerical Methods and Optimization	4	–	2	30	70	–	50	–	150
302048	Design of Machine Elements -II	4	–	2	30#	70@	25	–	50**	175
302049	Turbo Machines	4	–	2	30	70	25		–	125
302050	Mechatronics	3	–	2	30	70	25	–	–	125
302051	Manufacturing Process-II	3	–	–	30	70	–	–	–	100
302052	Machine Shop -II	–	–	2	–	–	25	–	–	25
302053	Seminar	–	–	2			–	–	50	50
Total of Semester– II		18		12	150	350	100	50	100	750

Important Notes

1. *In-Sem Theory examination will be conducted,approximately one and half month after the commencement of each semester*
2. *In-Sem Theory examination will be based on first three units from Syllabus and will be conducted by the University of Pune*
3. *Total time allotted for In-Sem Theory examination will be One Hour only*
4. *(#)Total time allotted for In-Sem Theory examination (DME-I and DME-II) will be 2 hrs*
5. *Total time allotted for End-Sem Theory examination will be 2hrs 30 min*
6. *(@)Total time allotted for End-Sem Theory examination (DME-I and DME-II) will be 3 hrs*
7. *** Common oral based on both DME-I and DME-II term work*

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Structure for Mechanical Engineering with effect from academic year 2013 –14

S. E. (Mechanical) and S. E. (Automobile) Semester – I

Code	Subject	Teaching Scheme (Weekly Load in hrs)			Examination Scheme (Marks)					
		Leet.	Tut	Practical	Theory		TW	PR	OR+	Total
					Paper	Online				
207002	Engineering Mathematics – III*	4	1	–	50	50	25++	–	–	125
202041	Manufacturing Process-I	3	–	–	50	50	–	–	–	100
202042	Computer Aided Machine Drawing*	1	–	2	–	–	–	50	–	50
202043	Thermodynamics*	4	–	2	50	50	–	–	50	150
202044	Material Science	3	1	–	50	50	25++	–	–	125
202045	Fluid Mechanics	3	–	2	50	50	–	–	50	150
202046	Workshop Practice II	–	–	2	–	–	25	–	–	25
202047	Soft Skills			2	–	–	25	–	–	25
Total of Semester – I		18	2	10	250	250	100	50	100	750

\+ Under Oral head, examination should be based on term work completed during practical and theory syllabus

++ Term work marks should be based on term work completed in tutorial sessions

S. E. (Mechanical) and S. E. (Automobile) Semester – II

Code	Subject	Teaching Scheme (Weekly Load in hrs)			Examination Scheme (Marks)					
		Leet.	Tut	Practical	Theory		TW	PR	OR+	Total
					Paper	Online				
202048	Theory of Machines-I*	4	–	2	50	50	25$	–	–	125
202049	Engineering Metallurgy	3	–	2	50	50	–	–	50	150
202050	Applied Thermodynamics	4	–	2	50	50	25	–	50	175
202051	Strength of Materials*	3	–	2	50	50	–	–	50	150
203152	Electronics and Electrical Engineering*	4	–	2	50	50	25	–	–	125
202053	Machine Shop-I	–	–	2	–	–	25	–	–	25
Total of Semester – II		18	–	12	250	250	100	–	150	750

\+ Under Oral head, examination should be based on term work completed during practical and theory syllabus

$ Common Oral will be based on both TOM-I and TOM-II term work at end of First Semester of T.E.

* Subjects Common with Mechanical Sandwich

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M.E. Mechanical Engineering (Design Engineering) - 2013 Course

SEMESTER I

CODE	SUBJECT	TEACHING SCHEME	EXAMINATION SCHEME					CREDITS
		Lect./ Pr	Paper		TW	Oral/ Present ation	Total	
			In Semester Assessment	End Semester Assessment				
507201	Advanced Mathematics	4	50	50	-	-	100	4
502202	Material Science and Mechanical Behavior of Materials	4	50	50	-	-	100	4
502203	Advanced Stress Analysis	4	50	50	-	-	100	4
502204	Research Methodology	4	50	50	-	-	100	4
502205	Elective I**	5	50	50	-	-	100	5
502206	Lab Practice I	4			50	50	100	4
Total		25	250	250	50	50	600	25

SEMESTER II

CODE	SUBJECT	TEACHING SCHEME	EXAMINATION SCHEME					CREDITS
		Lect./ Pr	Paper		TW	Oral/ Present ation	Total	
			In Semester Assessment	End Semester Assessment				
502207	Analysis and Synthesis of Mechanisms	4	50	50	-	-	100	4
502208	Advanced Mechanical Vibrations	4	50	50	-	-	100	4
502209	Finite Element Method	4	50	50	-	-	100	4
502210	Elective II	5	50	50	-	-	100	5
502211	Lab Practice II	4	-	-	50	50	100	4
502212	Seminar I	4	-	-	50	50	100	4
Total		25	200	200	100	100	600	25

Note:
Elective I: Common to All M.E. Mechanical Programmes**

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SEMESTER III

CODE	SUBJECT	TEACHING SCHEME	EXAMINATION SCHEME					CREDITS
		Leet./ Pr	Paper		TW	Oral/ Presentation	Total	
			In Semester Assessment	End Semester Assessment				
602213	Optimization Techniques	4	50	50	-	-	100	4
602214	Mechanical Measurements and Controls	4	50	50	-	-	100	4
602215	Elective III	5	50	50	-	-	100	5
602216	Seminar II	4	-	-	50	50	100	4
602217	Project Stage I	08	-	-	50	50	100	8
Total		25	150	150	100	100	500	25

SEMESTER IV

CODE	SUBJECT	TEACHING SCHEME	EXAMINATION SCHEME				CREDITS
		Lect./ P	Paper	TW	Oral/ presentation	Total	
602218	Seminar III	5	-	50	50	100	5
602219	Project Work Stage II	20	-	150	50	200	20
Total		25	-	200	100	300	25

Lab Practice I & II:
The laboratory work will be based on completion of assignments confined to the courses of that semester.

SEMINAR:
The student shall deliver the seminar on a topic approved by authorities.

Seminar I : shall be on state of the art topic of student's own choice approved by authority. The student shall submit the seminar report in standard format, duly certified for satisfactory completion of the work by the concerned Guide and head of the department/institute.

Seminar II : shall be on the topic relevant to latest trends in the field of concerned branch, preferably on the topic of specialization based on the electives selected by him/her approved by authority. The student shall submit the seminar report in standard format, duly certified for satisfactory completion of the work by the concerned Guide and head of the department/institute.

Seminar III: shall be extension of seminar II. The student shall submit the seminar report in standard format, duly certified for satisfactory completion of the work by the concerned Guide and head of the department/institute.

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University of Pune – 2018 Jan

M.B.A II

Semester	IV	Specialization	Finance
Course Code	403 FIN	Type	Specialization - Core
Course Title	Indirect Taxation		

Course Objectives:	
1	To understand the basic concepts related to GST
2	To acquaint with the latest amendments made in connection with indirect taxation
3	To update the procedural part of GST

Syllabus:

Unit Number	Contents	Number of Sessions
1	**1) Introduction, Overview and Evolution of GST:** 1.1 Indirect tax structure in India 1.2 Introduction to Goods and Service Tax (GST) - Key Concepts 1.3 Phases of GST, GST Council 1.4 Taxes under GST, Cess	7 + 2
2	**2) Registration under GST:** 2.1 Threshold for Registration 2.2 Regular Tax Payer 2.3 Composition Tax Payer 2.4 Casual Taxable Person 2.5 Non-Resident Taxable Person 2.6 Unique Identification Number 2.7 Registration Number Format	9 + 2
3	**3) Supply under GST and Valuation of Supply:** 3.1 Supply 3.2 Place of Supply, Interstate Supply, Export of Service, Export of Goods, Import of Service, Import of Goods 3.3 Valuation of Supply (Numerical on valuation and calculation of tax)	6 + 2
4	**4) Input Tax Credit under GST & Returns:** 4.1 Input tax credit process 4.2 Negative List for Input tax credit 4.3 Input Tax Credit Utilization and Input Tax Credit Reversal 4.4 Types of GST returns and their due dates, late filing, late fee and interest	8 + 2
5	**5) Custom Duty and Indirect Taxation:** 5.1 Definitions of certain terms relating to the custom act, custom tariff act, Levy and types of custom duties 5.2 Indirect taxation applicable to few commodities levied by either Central or State Government.	5 + 2
	Note: 20% numerical questions and 80% theory questions will be asked	

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Learning Resources:		
1	Text Books	Systematic Approach to Indirect Tax- Kumar, Sanjeev Text Book of Indirect Tax – Sinha P.K Dr. Vinod Singhania, Taxman Publication, New Delhi Girish Ahuja & Ravi Gupta, Bharat Law House, New Delhi
2	Reference Books	Indirect Taxes : V. S. Datey – Taxman Publication M Vat Subramanian Snow White Publication Systematic Approach to Taxation – Dr. Girish Ahuja & Dr. Ravi Gupta
3	Supplementary Reading Material	Various Bare Acts
4	Websites	Website of Custom Department, Website of Excise Department, Website of Sales Tax Department
5	Journals	The Chartered Accountant The Management Accountant

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Savitribai Phule Pune University

Revised Syllabus

Master of Business Administration

(MBA)

Choice Based Credit System and Grading System

Two Year Full Time Four Semester

POST GRADUATE PROGRAMME

MBA I Year Curriculum Applicable w.e.f. AY 2016-17

MBA II Year Curriculum Applicable w.e.f. AY 2017-18

Total changes (18) subject specialization (Name same But Under contain changes)

Annexure I - Detailed Programme Structure

Table IV – A: Generic Core Courses

	Generic Core Courses	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
101	Accounting for Business Decisions	3	I	30	20	50	100
102	Economic Analysis for Business Decisions	3	I	30	20	50	100
103	Legal Aspects of Business	3	I	30	20	50	100
104	Business Research Methods	3	I	30	20	50	100
105	Organizational Behaviour	3	I	30	20	50	100
106	Basics of Marketing	3	I	30	20	50	100
201	Marketing Management	3	II	30	20	50	100
202	Financial Management	3	II	30	20	50	100
203	Human Resource Management	3	II	30	20	50	100
204	Decision Science	3	II	30	20	50	100
205	Operations & Supply Chain Management	3	II	30	20	50	100
206	Management Information Systems	3	II	30	20	50	100
301	Strategic Management	3	III	30	20	50	100
302	Enterprise Performance Management	3	III	30	20	50	100
303	Startup and New Venture Management	3	III	30	20	50	100
304	Summer Internship Project	4	III	50	00	50	100
401	Managing for Sustainability	3	IV	30	20	50	100
402	Dissertation	4	IV	50	00	50	100

Note: Each Generic Core Course is a Full Credit course of 45 hours. Out of 45 hours 35 hours shall be devoted to teaching – learning sessions and 10 hours for evaluation/projects.

30 marks shall be reserved for concurrent evaluation to be carried out by the Institute, 20 marks for online mid-term evaluation to be conducted by the University and 50 marks shall be term end written examination to be conducted by the University.

Course 304 - SIP shall have 4 Credits and 100 marks. (50 Marks for Concurrent Evaluation & 50 Marks for University Evaluation)

Course 402 – Dissertation shall have 4 Credits and 100 marks. (50 Marks for Concurrent Evaluation & 50 Marks for University Evaluation)

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Table IV – C: Subject Core Courses

	Subject Core Courses (Marketing)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305MKT	Contemporary Marketing Research	3	III	30	20	50	100
306MKT	Consumer Behaviour	3	III	30	20	50	100
403MKT	Services Marketing	3	IV	30	20	50	100
404MKT	Sales and Distribution Management	3	IV	30	20	50	100
	Subject Core Courses (Finance)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 FIN	Direct Taxation	3	III	30	20	50	100
306 FIN	Financial System of India , Markets and Services	3	III	30	20	50	100
403 FIN	Indirect Taxation	3	IV	30	20	50	100
404 FIN	International Finance	3	IV	30	20	50	100
	Subject Core Courses (Information Technology)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 IT	I T Management and Cyber Laws	3	III	30	20	50	100
306 IT	E-Business and Business Intelligence	3	III	30	20	50	100
403 IT	Software Project Management	3	IV	30	20	50	100
404 IT	Enterprise Resource Planning (ERP)	3	IV	30	20	50	100
	Subject Core Courses (Operations Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 OPE	Planning & Control of Operations	3	III	30	20	50	100
306 OPE	Inventory Management	3	III	30	20	50	100
403 OPE	Operations Strategy and Research	3	IV	30	20	50	100
404 OPE	Total Quality Management	3	IV	30	20	50	100
	Subject Core Courses (Human Resources Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 HR	Labour & Social Security Laws	3	III	30	20	50	100
306 HR	Human Resource Accounting & Compensation Management	3	III	30	20	50	100

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403 HR	Employment Relations	3	IV	30	20	50	100
404 HR	Strategic Human Resource Management	3	IV	30	20	50	100

	Subject Core Courses (International Business Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 IB	International Business Economics	3	III	30	20	50	100
306 IB	Export Documentation and Procedures	3	III	30	20	50	100
403 IB	International Business Environment	3	IV	30	20	50	100
404 IB	Indian Economy and Trade Dependencies	3	IV	30	20	50	100
	Subject Core Courses (Supply Chain Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 SCM	Essentials of Supply Chain Management	3	III	30	20	50	100
306 SCM	Logistics Management	3	III	30	20	50	100
403 SCM	Strategic Supply Chain Management	3	IV	30	20	50	100
404 SCM	Knowledge Management in Supply Chains	3	IV	30	20	50	100
	Subject Core Courses (Rural & Agribusiness Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305RABM	Agriculture and Indian Economy	3	III	30	20	50	100
306RABM	Rural Marketing I	3	III	30	20	50	100
403RABM	Rural Credit and Finance	3	IV	30	20	50	100
404RABM	Rural Marketing II	3	IV	30	20	50	100
	Subject Core Courses (Family Business Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305FBM	Essentials of Family Business Management – I	3	III	30	20	50	100
306 FBM	Managing Innovation - I	3	III	30	20	50	100
403 FBM	Essentials of Family Business Management – II	3	IV	30	20	50	100
404 FBM	Managing Innovation – II	3	IV	30	20	50	100
	Subject Core Courses (Technology	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation**	**Total Marks**

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	Management)					(Subjective)	
305TM	Fundamentals of Technology Management	3	III	30	20	50	100
306TM	Managing Innovation – I	3	III	30	20	50	100
403TM	Technology Competition and Strategy	3	IV	30	20	50	100
404TM	Managing Innovation – II	3	IV	30	20	50	100
	Subject Core Courses (Banking and Insurance Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305BIM	Banking Concepts and Operations	3	III	30	20	50	100
306BIM	Principles and Practices of Insurance	3	III	30	20	50	100
403BIM	Banking Regulations and Legal Aspects	3	IV	30	20	50	100
404BIM	Trends in Insurance Management	3	IV	30	20	50	100
	Subject Core Courses (Healthcare Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305HM	Introduction to Healthcare Management	3	III	30	20	50	100
306HM	Information Technology in Healthcare	3	III	30	20	50	100
403HM	Introduction to Medical / Healthcare Terminology	3	IV	30	20	50	100
404HM	Strategic Planning and Healthcare Management	3	IV	30	20	50	100

	Subject Core Courses (Entrepreneurship Development)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305 ED	**Change,Creativity,Innovation and Entrepreneurship**	3	III	30	20	50	100
306 ED	**Finance for Entrepreneurs**	3	III	30	20	50	100
403 ED	**Social Entrepreneurship**	3	IV	30	20	50	100
404 ED	**Investing in Science & Technology**	3	IV	30	20	50	100

	Subject Core Courses (Services Management)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks

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305SER	Services Business Management	3	III	30	20	50	100
306SER	Services Performance Management	3	III	30	20	50	100
403SER	Strategic Services Marketing	3	IV	30	20	50	100
404SER	Sectoral Services Management	3	IV	30	20	50	100

	Subject Core Courses (Retail Management)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305RM	Introduction to Retailing	3	III	30	20	50	100
306RM	Retail Stores & Operation Management	3	III	30	20	50	100
403RM	E- commerece and Digital marketing in Retail	3	IV	30	20	50	100
404RM	International Retailing	3	IV	30	20	50	100

	Subject Core Courses (Digital Media Communication Marketing)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305MC	Integrated Marketing Communication	3	III	30	20	50	100
306MC	Internet Marketing I	3	III	30	20	50	100
403MC	Strategic Brand Management	3	IV	30	20	50	100
404MC	Internet Marketing II	3	IV	30	20	50	100

	Subject Core Courses (Tourism and Hospitality Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305THM	Fundamentals of Hospitality Management	3	III	30	20	50	100
306THM	Tourism and Travel Management	3	III	30	20	50	100
403THM	Strategic Hospitality Management	3	IV	30	20	50	100
404THM	Tourism Planning and Development	3	IV	30	20	50	100

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	Subject Core Courses (Defense Management (DF))	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305 DFM	Evolution of Strategic Thought of Defence	3	III	30	20	50	100
306 DFM	Strategic Defence Management	3	III	30	20	50	100
403 DFM	Defence Economics	3	III	30	20	50	100
404 DFM	National Power and Defence Policy	3	III	30	20	50	100

Note: Each Subject Core Course is a Full Credit course of 45 hours. Out of 45 hours 35 hours shall be devoted to teaching – learning sessions and 10 hours for evaluation/projects.

30 marks shall be reserved for concurrent evaluation to be carried out by the Institute, 20 marks for online mid-term evaluation to be conducted by the University and 50 marks shall be term end written examination to be conducted by the University.

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Elective

M.B.A – II

Savitribai Phule Pune University

Revised Syllabus

Master of Business Administration

(MBA)

Choice Based Credit System and Grading System

Two Year Full Time Four Semester

POST GRADUATE PROGRAMME

MBA I Year Curriculum Applicable w.e.f. AY 2016-17

MBA II Year Curriculum Applicable w.e.f. AY 2017-18

Total charges (18) SPL

Table IV – B: Generic Elective Courses

	Generic Elective Courses	Credits	Semester	Concurrent Evaluation	Total Marks
107	Management Fundamentals	2	I	50	50
108	Business Communication Lab	2	I	50	50
109	MS Excel & Advanced Excel Lab	2	I	50	50
110	Selling & Negotiation Skills Lab	2	I	50	50
111	Business, Government & Society	2	I	50	50
112	Leadership Lab	2	I	50	50
113	Personality Development Lab	2	I	50	50
114	Foreign Language - I Lab	2	I	50	50
115	Enterprise Analysis - Desk Research	2	I	50	50
207	Emotional Intelligence and Managerial Effectiveness Lab	2	II	50	50
208	Statistical Software Lab	2	II	50	50
209	MS Project Lab	2	II	50	50
210	Life Skills Lab	2	II	50	50
211	Geopolitics & the World Economic System	2	II	50	50
212	Business Systems & Procedures	2	II	50	50
213	Computer Aided Personal Productivity Tools Lab	2	II	50	50
214	Foreign Language - II Lab	2	II	50	50
215	Industry Analysis - Desk Research	2	II	50	50

Note: Each Generic Elective Course is a Half Credit course of 30 hours. Out of 30 hours 25 hours shall be devoted to teaching – learning sessions and 5 hours for evaluation/projects.

50 marks shall be devoted for concurrent evaluation to be carried out by the Institute.

There shall not be any evaluation by the University (online / subjective) for all Half Credit Courses.

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Table IV – D: Subject Elective Courses

	Subject Elective Courses (Marketing Management)	Credits	Semester	Concurrent Evaluation	Total Marks
307MKT	Integrated Marketing Communications	2	III	50	50
308MKT	Product Management	2	III	50	50
309MKT	Strategic Brand Management	2	III	50	50
310MKT	Personal Selling Lab	2	III	50	50
311MKT	Qualitative Marketing Research	2	III	50	50
312MKT	Customer Relationship Management	2	III	50	50
313MKT	Marketing and the Law	2	III	50	50
314MKT	Finance for Marketing Professionals	2	III	50	50
315MKT	Marketing of Financial Services - I	2	III	50	50
316MKT	Tourism Marketing	2	IV	50	50
317MKT	Agricultural Marketing	2	IV	50	50
318MKT	Business to Business Marketing	2	IV	50	50
405MKT	Retail Marketing	2	IV	50	50
406MKT	Rural Marketing	2	IV	50	50
407MKT	Service Operations Management	2	IV	50	50
408MKT	International Marketing	2	IV	50	50
409MKT	Export Documentation & Procedures	2	IV	50	50
410MKT	Marketing Strategy	2	IV	50	50
411MKT	Marketing Decision Models	2	IV	50	50
412MKT	Marketing of High Technology Products	2	IV	50	50
413MKT	E-Marketing and analytics	2	IV	50	50
414MKT	Marketing to Emerging Markets &Bottom of the Pyramid	2	IV	50	50
415MKT	Marketing of Financial Services - II	2	IV	50	50
416MKT	Cross Cultural Relationship Marketing	2	IV	50	50

	Subject Elective Courses (Financial Management)	Credits	Semester	Concurrent Evaluation	Total Marks
307 FIN	Strategic Cost Management	2	III	50	50
308 FIN	Corporate & International Financial Reporting	2	III	50	50
309 FIN	Corporate Finance	2	III	50	50
310 FIN	Corporate Financial Restructuring	2	III	50	50
311 FIN	Equity Research, Credit Analysis & Appraisal.	2	III	50	50
312 FIN	Rural Financial Institutions	2	III	50	50
313 FIN	Banking Operations - I	2	III	50	50
314 FIN	Treasury Management	2	III	50	50

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315 FIN	Futures and Options	2	III	50	50
316 FIN	Financial Instruments & Derivatives	2	III	50	50
405 FIN	Behavioral Finance	2	IV	50	50
406 FIN	Financial Modeling Using Excel	2	IV	50	50
407 FIN	Financial Risk Management	2	IV	50	50
408 FIN	Online Trading of Financial Assets	2	IV	50	50
409 FIN	Banking Operations – II	2	IV	50	50
410 FIN	Wealth & Portfolio Management	2	IV	50	50
411 FIN	Fixed Income Securities & Technical Analysis	2	IV	50	50
412 FIN	Commodity Markets	2	IV	50	50
413 FIN	Financing Rural Development	2	IV	50	50
414 FIN	Principles of Insurance	2	IV	50	50

	Subject Elective Courses (Information Technology Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 IT	Software Engineering	2	III	50	50
308 IT	Mobile Computing with Android	2	III	50	50
309 IT	RDBMS with Oracle	2	III	50	50
310 IT	Software Quality Assurance	2	III	50	50
311 IT	E-Learning	2	III	50	50
312 IT	Software Marketing	2	III	50	50
313 IT	IT for Retailing	2	III	50	50
314 IT	Technical Writing	2	III	50	50
405 IT	Web Designing and Multimedia	2	IV	50	50
406 IT	Network Technologies and Security	2	IV	50	50
407 IT	Database Administration	2	IV	50	50
408 IT	Software Testing	2	IV	50	50
409 IT	Information Security and Audit	2	IV	50	50
410 IT	Data Warehousing and Data Mining	2	IV	50	50
411 IT	Geographical Information System	2	IV	50	50
412 IT	E-Governance	2	IV	50	50
413 IT	Internet Marketing	2	IV	50	50
414 IT	Microsoft Office 2010 Lab	2	IV	50	50

	Subject Elective Courses (Operations Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 OPE	Productivity Management	2	III	50	50

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308 OPE	Maintenance Management	2	III	50	50
309 OPE	Facilities Planning	2	III	50	50
310 OPE	Manufacturing Resource Planning	2	III	50	50
311 OPE	Technology Management	2	III	50	50
312 OPE	Six Sigma	2	III	50	50
313 OPE	Designing Operations Systems	2	III	50	50
314 OPE	Toyota Production System	2	III	50	50
315 OPE	Project Management	2	III	50	50
316OPE	Theory of Constraints	2	III	50	50
405 OPE	Quality Management Standards	2	IV	50	50
406 OPE	World Class Manufacturing	2	IV	50	50
407 OPE	Business Process reengineering	2	IV	50	50
408 OPE	Enterprise Resource Planning	2	IV	50	50
409 OPE	Financial Perspectives in Operations Management	2	IV	50	50
410 OPE	Service Operations Management	2	IV	50	50
411 OPE	Business Process Management	2	IV	50	50
412 OPE	Challenges and Opportunities in Operations Management	2	IV	50	50
413 OPE	Lean Manufacturing	2	IV	50	50

	Subject Elective Courses (Human Resources Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 HR	Employee Health, Safety& Welfare	2	III	50	50
308 HR	Compensation Management	2	III	50	50
309 HR	HR Audit	2	III	50	50
310 HR	Human Resource Information System	2	III	50	50
311 HR	Outsourcing of HR	2	III	50	50
312 HR	Public Relations & Corporate Communication	2	III	50	50
313 HR	Quality Management System	2	III	50	50
314 HR	Lab in Recruitment and Selection	2	III	50	50
315 HR	Lab in Job Design and Analysis	2	III	50	50
316 HR	Lab in Training	2	III	50	50
317 HR	Lab in Labour Laws – I	2	III	50	50
318 HR	Lab in Personnel Administration & Appln Procedures	2	III	50	50
405 HR	Organizational Design and Development	2	IV	50	50
406 HR	Global HRI	2	IV	50	50
407 HR	Employee Reward Management	2	IV	50	50
408 HR	Change Management	2	IV	50	50

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409 HR	Conflict & Negotiation Management	2	IV	50	50
410 HR	Lab in CSR	2	IV	50	50
411 HR	Lab in Industrial Relations	2	IV	50	50
412 HR	Lab in Legal Compliances	2	IV	50	50
413HR	Lab in Mentoring and Coaching	2	IV	50	50
414 HR	Emerging Trends in HR	2	IV	50	50
415 HR	Designing HR Policies	2	IV	50	50
416 HR	Competency Mapping	2	IV	50	50

	Subject Elective Courses (International Business Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 IB	International Management	2	III	50	50
308 IB	International Marketing	2	III	50	50
309 IB	International Marketing Research	2	III	50	50
310 IB	International Financial Management	2	III	50	50
311 IB	Global IT Management	2	III	50	50
312 IB	Global Logistics & Supply Chains	2	III	50	50
313 IB	Designing Organizations for Uncertain Environment	2	III	50	50
314 IB	Legal Dimensions of International Business	2	III	50	50
315 IB	Global Strategic Management	2	III	50	50
316 IB	International Relations & Management	2	III	50	50
317 IB	Foreign Language for International Business – I	2	III	50	50
405 IB	Environment & Global Competitiveness	2	IV	50	50
406 IB	Marketing to Emerging Markets & Bottom of the Pyramid	2	IV	50	50
407 IB	Cross-Cultural Relationship Marketing	2	IV	50	50
408 IB	Foreign Exchange Management	2	IV	50	50
409 IB	E Commerce	2	IV	50	50
410 IB	Enterprise Resource Planning	2	IV	50	50
411 IB	Global HR	2	IV	50	50
412 IB	WTO and Intellectual Property Rights	2	IV	50	50
413 IB	Global Competitiveness and Strategic Alliances	2	IV	50	50
414 IB	International Diversity Management	2	IV	50	50
415 IB	Foreign Language for International Business – II	2	IV	50	50

	Subject Elective Courses (Supply Chain Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 SCM	Managing Material Flow in Supply Chains	2	III	50	50

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308 SCM	Inventory Management	2	III	50	50
309 SCM	Purchasing & Supplier Relationship Management – I	2	III	50	50
310 SCM	Six Sigma	2	III	50	50
311 SCM	Supply Chain Planning	2	III	50	50
312 SCM	Supply Chain Coordination	2	III	50	50
313 SCM	Decision Modeling for Supply Chains	2	III	50	50
314 SCM	Theory of Constraints	2	III	50	50
315 SCM	Supply Chain Practices – I	2	III	50	50
405 SCM	Green Logistics & Supply Chains	2	IV	50	50
406 SCM	Enterprise Resource Planning	2	IV	50	50
407 SCM	Purchasing & Supplier Relationship Management – II	2	IV	50	50
408 SCM	Supply Chain Risk Management	2	IV	50	50
409 SCM	Project Management	2	IV	50	50
410 SCM	Supply Chain Performance Measurement	2	IV	50	50
411 SCM	Supply Chain Management - Financial Perspectives	2	IV	50	50
412 SCM	Global Logistics	2	IV	50	50
413 SCM	Supply Chain Practices– II	2	IV	50	50

	Subject Elective Courses (Rural & Agribusiness Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307RABM	Rural Development I	2	III	50	50
308RABM	Special Areas in Rural Marketing	2	III	50	50
309RABM	Commodity Markets – I	2	III	50	50
310RABM	Agricultural Marketing & Price Analysis – I	2	III	50	50
311RABM	Microfinance	2	III	50	50
312RABM	Agricultural Marketing	2	III	50	50
313RABM	Rural Research Methods	2	III	50	50
314RABM	Rural Banking	2	III	50	50
315RABM	AgriSupply Chains Management	2	III	50	50
316RABM	ICT for Agriculture Management	2	III	50	50
317RABM	Tourism Marketing – I	2	III	50	50
318RABM	Millennium Development Goals	2	III	50	50
405RABM	Rural Development II	2	IV	50	50
406RABM	Special Areas in Agro produce Management	2	IV	50	50
407RABM	Commodity Markets – II	2	IV	50	50
408RABM	Agricultural Marketing and Price Analysis – II	2	IV	50	50
409RABM	Agricultural Finance and Project Management	2	IV	50	50
410RABM	Management of Agricultural Input Marketing	2	IV	50	50

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411RABM	Intellectual Property Management	2	IV	50	50
412RABM	Food Retail Management	2	IV	50	50
413RABM	Agri-Entreprenuership	2	IV	50	50
414RABM	Management of Agribusiness Cooperatives	2	IV	50	50
415RABM	Tourism Marketing – II	2	IV	50	50
416RABM	Agriculture & WTO	2	IV	50	50

	Subject Elective Courses (Family Business Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 FBM	Business Plan	2	III	50	50
308 FBM	Private Equity	2	III	50	50
309 FBM	Franchising	2	III	50	50
310 FBM	Social Entrepreneurship	2	III	50	50
311 FBM	Intraprenuership	2	III	50	50
312 FBM	Trends in Entrepreneurship	2	III	50	50
313 FBM	Small Scale Industries Management	2	III	50	50
314 FBM	Entrepreneurial Case Study	2	III	50	50
405 FBM	Creativity and Change in Organizations	2	IV	50	50
406 FBM	Accounting for Small Business	2	IV	50	50
407 FBM	Management of Intellectual Property Rights	2	IV	50	50
408 FBM	Managing , Growing and Exiting the new Venture	2	IV	50	50
409 FBM	Project Management	2	IV	50	50
410 FBM	Environment and Laws	2	IV	50	50
411 FBM	Information, Disaster and Health Management	2	IV	50	50
412 FBM	Business Incubation	2	IV	50	50

	Subject Elective Courses (Technology Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307TM	Technology Forecasting	2	III	50	50
308TM	Strategies for information goods and network economies – I	2	III	50	50
309TM	Advanced Manufacturing Technology	2	III	50	50
310TM	Product Strategies for High Technology Companies – I	2	III	50	50
311TM	Foundations of Knowledge Management	2	III	50	50
312TM	Business Intelligence and Analytics	2	III	50	50
313TM	Designing Organizations for Uncertain Environment	2	III	50	50
314TM	Technology Transfer and Commercialization	2	III	50	50
315TM	Digital Marketing	2	III	50	50
405TM	Innovation, Product Development and Commercialization	2	IV	50	50

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406TM	Strategies for information goods and network economies – II	2	IV	50	50
407TM	Technology Use and Assessment	2	IV	50	50
408TM	Product Strategies for High Technology Companies – II	2	IV	50	50
409TM	Systems & Technologies for Knowledge Management	2	IV	50	50
410TM	Strategic Management of Intellectual Property Rights	2	IV	50	50
411TM	Change , Creativity & Innovation	2	IV	50	50
412TM	Seminar on Managing Emerging technologies	2	IV	50	50
413TM	Marketing of High Technology Products	2	IV	50	50

	Subject Elective Courses (Banking and Insurance Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307BIM	Treasury Management	2	III	50	50
308BIM	Practice of Life Insurance	2	III	50	50
309BIM	Retail & Universal Banking	2	III	50	50
310BIM	Practice of General Insurance	2	III	50	50
311BIM	E- Banking	2	III	50	50
312BIM	Financial Inclusion	2	III	50	50
313BIM	Corporate Insurance Management	2	III	50	50
314BIM	Marketing of Financial Services	2	III	50	50
315BIM	Marketing of Insurance Services	2	III	50	50
316BIM	Rural Banking and Micro-finance	2	III	50	50
317BIM	Personal Financial Planning	2	III	50	50
318BIM	Property Insurance	2	III	50	50
405BIM	Advance Technology in Banking & Insurance	2	IV	50	50
406BIM	Practice of Marine Insurance	2	IV	50	50
407BIM	Fire and Consequential Loss Insurance	2	IV	50	50
408BIM	Health Insurance & Medi-claim Insurance	2	IV	50	50
409BIM	Agricultural Insurance	2	IV	50	50
410BIM	Agency Management	2	IV	50	50
411BIM	International Banking	2	IV	50	50
412BIM	Vehicle Insurance	2	IV	50	50
413BIM	Life Insurance Products	2	IV	50	50
414BIM	Commercial Banking and Cooperative Banking	2	IV	50	50
415BIM	Central Banking	2	IV	50	50
416BIM	Innovations in Banking and Insurance Industry	2	IV	50	50

	Subject Elective Courses (Healthcare Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**

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307HM	Healthcare System in India – Public and Private	2	III	50	50
308HM	Healthcare System in the US / UK	2	III	50	50
309HM	Healthcare Data Analytics Part - I	2	III	50	50
310HM	Healthcare Operations Part - I	2	III	50	50
311HM	Health Insurance Industry	2	III	50	50
312HM	Healthcare clinical and Non clinical services	2	III	50	50
405HM	Healthcare Organizational Behavior	2	IV	50	50
406HM	Healthcare Organizational Leadership	2	IV	50	50
407HM	Healthcare Operations Part - II	2	IV	50	50
408HM	Healthcare Data Analytics Part - II	2	IV	50	50
409HM	Healthcare Services	2	IV	50	50
410HM	Indian Health Statistics and Information of Health in India	2	IV	50	50

	Subject Elective Courses (Entrepreneurship Development)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307ED	Women Entrepreneurship	2	III	50	50
308ED	Managing Inventory	2	III	50	50
309ED	Planning for Operational Efficiency	2	III	50	50
310ED	Manufacturing Resource Planning	2	III	50	50
311ED	Legal Compliances for Entrepreneurs	2	III	50	50
312ED	Managing Entrepreneurial Profile	2	III	50	50
313ED	Quality Management System	2	III	50	50
314ED	Microfinance	2	III	50	50
315ED	IT for Entrepreneurs	2	III	50	50
316ED	Supply Chain Management	2	III	50	50
317ED	UsingExcel for Business Intelligence	2	III	50	50
318ED	Leadership Skills for Entrepreneurs	2	III	50	50
405ED	Digital Entrepreneurship	2	IV	50	50
406ED	Understanding Logistics for International Business	2	IV	50	50
407ED	Legal Issues inInternationalBusiness	2	IV	50	50
408ED	International Marketing	2	IV	50	50
409ED	Avenues for Entrepreneurs	2	IV	50	50

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410ED	IPR Strategies	2	IV	50	50
411ED	Managing for Growth	2	IV	50	50
412ED	Agri-Entreprenuership	2	IV	50	50
413ED	Documentation for International Business	2	IV	50	50
414ED	Marketing to Emerging Markets & Bottom of the Pyramid	2	IV	50	50
415ED	Project Management & Feasibility Analysis	2	IV	50	50
416ED	Corporate Entrepreneurship	2	IV	50	50

	Subject Elective Courses (Services Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307SER	Project Management in Services	2	III	50	50
308SER	Relationship Management in Services	2	III	50	50
309SER	Information Technology Enabled Services Management	2	III	50	50
310SER	Sevice Value Chain Management Lab	2	III	50	50
311SER	Service Technology Lab	2	III	50	50
312SER	Service Leadership Lab	2	III	50	50
405SER	Global Scenario of Services	2	IV	50	50
406SER	Corporate Governance & Legal Framework in Services	2	IV	50	50
407SER	Computer Application in Service Management	2	IV	50	50
408SER	Services 0perations Management	2	IV	50	50
409SER	Service Excellence	2	IV	50	50
410SER	Documentation Management in services	2	IV	50	50

	Subject Elective Courses (Retail Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307RM	Retail Merchandise Management	2	III	50	50
308RM	Warehouse Management	2	III	50	50
309RM	Retail selling skill	2	III	50	50
310RM	IT for Retailing	2	III	50	50
311RM	Food Retail Management	2	III	50	50
312RM	Managing retail store	2	III	50	50
405RM	Retail Logistics Management	2	IV	50	50
406RM	Retail Customer Service	2	IV	50	50
407RM	Retail Pricing	2	IV	50	50
408RM	Retail customer buying behavior and CRM	2	IV	50	50

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409RM	Retail promotion	2	IV	50	50
410RM	Retailing Strategy	2	IV	50	50
	Subject Elective Courses (Digital Media Communication Marketing)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307MC	Mass Communication Media and Culture - I	2	III	50	50
308MC	Public Relations – I	2	III	50	50
309MC	Event Management	2	III	50	50
310MC	Communications Theory – I	2	III	50	50
311MC	Media Planning & Buying	2	III	50	50
312MC	Digital Consumer and Digital Branding	2	III	50	50
313MC	Social Media Marketing	2	III	50	50
314MC	Email Marketing	2	III	50	50
315MC	Mobile Marketing	2	III	50	50
405 MC	Mass Communication Media and Culture – II	2	IV	50	50
406 MC	Public Relations – II	2	IV	50	50
407 MC	Global Marketing Communications	2	IV	50	50
408 MC	Communications Theory – II	2	IV	50	50
409 MC	Media and the Laws	2	IV	50	50
410 MC	Digital Analytics for Marketers	2	IV	50	50
411 MC	Data Mining for Marketing Insights	2	IV	50	50
412 MC	Affiliate Marketing	2	IV	50	50
413 MC	Measuring Brand Equity	2	IV	50	50

Course Code	**Subject Elective Courses(Tourism and Hospitality Management**	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307THM	Hospitality and Tourism Laws	2	III	50	50
308 THM	Financial Management for Hospitality Management	2	III	50	50
309 THM	Accounting for Hospitality Management	2	III	50	50

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310 THM	Information and Communication Technology for Hospitality	2	III	50	50
311 THM	Services Management	2	III	50	50
312 THM	Accommodation Management	2	III	50	50
313 THM	Facilities and Securities Management	2	III	50	50
314 THM	Culture and Ethics Management	2	III	50	50
405 THM	Hotel Administration Management	2	IV	50	50
406 THM	Data Analytics Lab	2	IV	50	50
407 THM	Economic Analysis for services	2	IV	50	50
408 THM	Event Management	2	IV	50	50
409 THM	Logistics and Supply Chain Management	2	IV	50	50
410 THM	Food and Beverages Management	2	IV	50	50
411 THM	Professional Skills Development Lab	2	IV	50	50
412 THM	Statistics for Hospitality and Tourism	2	IV	50	50

	Subject Elective Courses (Defense Management (DFM))	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 DFM	Legal aspects of Security & Defence Management	2	III	50	50
308 DFM	Defence–Marketing Management I	2	III	50	50
309 DFM	Defence Acquisition Planning Procedure	2	III	50	50
310 DFM	Defence Manpower Management I	2	III	50	50
311 DFM	Defence Information System Management	2	III	50	50
312 DFM	Defence Operation Management	2	III	50	50
313 DFM	Defence Supply Chain Management –I	2	III	50	50
314 DFM	Negotiating in Business & Organisation	2	III	50	50
315 DFM	International Business Economics - I	2	III	50	50
316 DFM	Export Documentation & Procedure	2	III	50	50
317 DFM	Defence mechanism of India	2	III	50	50
405 DFM	Defence – Marketing Management II	2	IV	50	50
406 DFM	Economics of Organisations & Strategy	2	IV	50	50
407 DFM	Defence - Manpower Management II	2	IV	50	50
408 DFM	Defence –Enterprise Resource Planning	2	IV	50	50
409 DFM	Cyber Laws	2	IV	50	50
410 DFM	Defence Quality Management Standards	2	IV	50	50
411 DFM	Defence Supply Chain Management -II	2	IV	50	50
412 DFM	Defence Procurement Procedure	2	IV	50	50
413 DFM	Managing Strategic Innovations - Defence Management	2	IV	50	50
414 DFM	International Business Economics – II	2	IV	50	50
415 DFM	International Law	2	IV	50	50

Note: Each Subject Elective Course is a Half Credit course of 30 hours. Out of 30 hours 25 hours shall be devoted to teaching – learning sessions and 5 hours for evaluation/projects. 50 marks shall be devoted for concurrent evaluation to be carried out by the Institute.

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Note: Number of Sessions provided in the detailed syllabus in Annexure II for each course are indicative and not prescriptive in nature. They indicate the clock hours allocated for teaching and evaluation/project. However under the CBCS LTP pattern faculty has the liberty to modify the same in the best interest of the learners.

Note:

a) In the detailed syllabus, Number of Sessions indicated are as follows: 7 + 2 indicates 7 teaching sessions and 2 evaluation /project sessions. Kindly note that the numbers indicated are indicative and not prescriptive.

b) Faculty members and students should refer to the latest edition of the relevant books, wherever such latest editions are available.

Head of Department
Master Of Business Administration
S. V. Institute of Technology, Nashik

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M·B·A – I

University of Pune
Revised Syllabus
Master of Business Administration
(MBA)
Incorporating
Choice Based Credit System and Grading System
TWO YEAR FULL TIME FOUR SEMESTER
POST GRADUATE DEGREE PROGRAMME
MBA I Year Curriculum Applicable w.e.f. AY 2013-14
MBA II Year Curriculum Applicable w.e.f. AY 2014-15

Only – 10 subject specialization (Name-same)

Annexure I - Detailed Programme Structure

Table IV – A: Generic Core Courses

	Generic Core Courses	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
101	Accounting for Business Decisions	3	I	30	20	50	100
102	Economic Analysis for Business Decisions	3	I	30	20	50	100
103	Legal Aspects of Business	3	I	30	20	50	100
104	Business Research Methods	3	I	30	20	50	100
105	Organizational Behaviour	3	I	30	20	50	100
106	Basics of Marketing	3	I	30	20	50	100
201	Marketing Management	3	II	30	20	50	100
202	Financial Management	3	II	30	20	50	100
203	Human Resource Management	3	II	30	20	50	100
204	Decision Science	3	II	30	20	50	100
205	Operations & Supply Chain Management	3	II	30	20	50	100
206	Management Information Systems	3	II	30	20	50	100
301	Strategic Management	3	III	30	20	50	100
302	Enterprise Performance Management	3	III	30	20	50	100
303	Startup and New Venture Management	3	III	30	20	50	100
304	Summer Internship Project	6	III	50	00	100	150
401	Managing for Sustainability	3	IV	30	20	50	100
402	Dissertation	2	IV	50	00	00	50

Note: Each Generic Core Course is a Full Credit course of 45 hours. Out of 45 hours, 35 hours shall be devoted to teaching – learning sessions and 10 hours for evaluation/projects.

30 marks shall be reserved for concurrent evaluation to be carried out by the Institute, 20 marks shall be reserved for online mid-term evaluation to be conducted by the University and 50 marks shall be reserved for term end written examination to be conducted by the University.

Course 304 - SIP shall have 6 Credits and 150 marks. (50 Marks for Concurrent Evaluation & 100 Marks for University Evaluation)

Course 402 – Dissertation shall have 2 Credits and 50 marks Concurrent Evaluation.

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Table IV – C: Subject Core Courses

	Subject Core Courses (Marketing)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305MKT	Contemporary Marketing Research	3	III	30	20	50	100
306MKT	Consumer Behaviour	3	III	30	20	50	100
403MKT	Services Marketing	3	IV	30	20	50	100
404MKT	Sales and Distribution Management	3	IV	30	20	50	100
	Subject Core Courses (Finance)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 FIN	Financial Regulatory Framework	3	III	30	20	50	100
306 FIN	Merchant Banking and Financial Services	3	III	30	20	50	100
403 FIN	International Finance	3	IV	30	20	50	100
404 FIN	Corporate Finance	3	IV	30	20	50	100
	Subject Core Courses (Information Technology)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 IT	I T Management	3	III	30	20	50	100
306 IT	E-Business	3	III	30	20	50	100
403 IT	Software Project Management	3	IV	30	20	50	100
404 IT	Enterprise Resource Planning (ERP)	3	IV	30	20	50	100
	Subject Core Courses (Operations Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 OPE	Planning & Control of Operations	3	III	30	20	50	100
306 OPE	Inventory Management	3	III	30	20	50	100
403 OPE	Operations Strategy	3	IV	30	20	50	100
404 OPE	Total Quality Management	3	IV	30	20	50	100
	Subject Core Courses (Human Resources Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 HR	Labour Laws	3	III	30	20	50	100
306 HR	Performance Management	3	III	30	20	50	100
403 HR	Industrial Relations	3	IV	30	20	50	100
404 HR	Strategic Human Resource Management	3	IV	30	20	50	100

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	Subject Core Courses (International Business Management)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305 IB	International Business Economics	3	III	30	20	50	100
306 IB	Export Documentation and Procedures	3	III	30	20	50	100
403 IB	International Business Environment	3	IV	30	20	50	100
404 IB	Indian Economy and Trade Dependencies	3	IV	30	20	50	100
	Subject Core Courses (Supply Chain Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305 SCM	Essentials of Supply Chain Management	3	III	30	20	50	100
306 SCM	Logistics Management	3	III	30	20	50	100
403 SCM	Strategic Supply Chain Management	3	IV	30	20	50	100
404 SCM	Knowledge Management in Supply Chains	3	IV	30	20	50	100
	Subject Core Courses (Rural & Agribusiness Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305RABM	Agriculture and Indian Economy	3	III	30	20	50	100
306RABM	Rural Marketing I	3	III	30	20	50	100
403RABM	Rural Credit and Finance	3	IV	30	20	50	100
404RABM	Rural Marketing II	3	IV	30	20	50	100

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	Subject Core Courses (Family Business Management)	Credits	Semester	Concurrent Evaluation	Online Evaluation	University Evaluation (Subjective)	Total Marks
305FBM	Essentials of Family Business Management – I	3	III	30	20	50	100
306 FBM	Managing Innovation - I	3	III	30	20	50	100
403 FBM	Essentials of Family Business Management – II	3	IV	30	20	50	100
404 FBM	Managing Innovation – II	3	IV	30	20	50	100
	Subject Core Courses (Technology Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Online Evaluation**	**University Evaluation (Subjective)**	**Total Marks**
305TM	Fundamentals of Technology Management	3	III	30	20	50	100
306TM	Managing Innovation – I	3	III	30	20	50	100
403TM	Technology Competition and Strategy	3	IV	30	20	50	100
404TM	Managing Innovation – II	3	IV	30	20	50	100

Note: Each Subject Core Course is a Full Credit course of 45 hours. Out of 45 hours, 35 hours shall be devoted to teaching – learning sessions and 10 hours for evaluation/projects.

30 marks shall be reserved for concurrent evaluation to be carried out by the Institute, 20 marks shall be reserved for online mid-term evaluation to be conducted by the University and 50 marks shall be reserved for term end written examination to be conducted by the University.

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2014-15

Savitribai Phule Pune University

Circular No. 36/2015

This is in continuation of Order of Vice-Chancellor dated 17/02/2011 Ref. No. PGS/542 regarding tuition fee and other fees.

As mentioned in table 04 of page no. 12 of the order, the revised in tuition fee for course with Credit System as given below:

(1,15)

Skill Based Courses	4 Credit	Rs. 400 (Rs. 100/- per Credit)
Human Rights	2 Credit	Rs. 100 (Rs. 50/- per Credit)
Cyber Security / Information Security	4 Credit	Rs. 200 (Rs. 50/- per Credit)
Total	10 Credit	Rs. 700/- for 10 Credit

The revised fee structure for courses with Credit System required to be made applicable w.e.f. Academic Year 2014-15.

Ganeshkhind, Pune -7
Ref No: - PGS/523
Date: - 13/02/2015

Assistant Registrar
(PG. Admission)

Copy to:

The Head of the Departments, Savitribai Phule Pune University, Pune.
The Principal/Director,
All Affiliated colleges & Recognized Institutes to Savitribai Phule Pune University, Pune.

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Elective

MBA - I

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Incorporating
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TWO YEAR FULL TIME FOUR SEMESTER
POST GRADUATE DEGREE PROGRAMME
MBA I Year Curriculum Applicable w.e.f. AY 2013-14
MBA II Year Curriculum Applicable w.e.f. AY 2014-15

DIY - 1C Subject specialization

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Table IV – B: Generic Elective Courses

	Generic Elective Courses	Credits	Semester	Concurrent Evaluation	Total Marks
107	Management Fundamentals	2	I	50	50
108	Business Communication Lab	2	I	50	50
109	MS Excel & Advanced Excel Lab	2	I	50	50
110	Selling & Negotiation Skills Lab	2	I	50	50
111	Business, Government & Society	2	I	50	50
112	Leadership Lab	2	I	50	50
113	Personality Development Lab	2	I	50	50
114	Foreign Language - I Lab	2	I	50	50
115	Enterprise Analysis - Desk Research	2	I	50	50
207	Emotional Intelligence and Managerial Effectiveness Lab	2	II	50	50
208	Statistical Software Lab	2	II	50	50
209	MS Project Lab	2	II	50	50
210	Life Skills Lab	2	II	50	50
211	Geopolitics & the World Economic System	2	II	50	50
212	Business Systems & Procedures	2	II	50	50
213	Computer Aided Personal Productivity Tools Lab	2	II	50	50
214	Foreign Language - II Lab	2	II	50	50
215	Industry Analysis - Desk Research	2	II	50	50

Note: Each Generic Elective Course is a Half Credit course of 30 hours. Out of 30 hours 25 hours shall be devoted to teaching – learning sessions and 5 hours for evaluation/projects.

50 marks shall be devoted for concurrent evaluation to be carried out by the Institute.

There shall not be any evaluation by the University (online / subjective) for all Half Credit Courses.

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Table IV – D: Subject Elective Courses

	Subject Elective Courses (Marketing Management)	Credits	Semester	Concurrent Evaluation	Total Marks
307MKT	Integrated Marketing Communications	2	III	50	50
308MKT	Product Management	2	III	50	50
309MKT	Strategic Brand Management	2	III	50	50
310MKT	Personal Selling Lab	2	III	50	50
311MKT	Qualitative Marketing Research	2	III	50	50
312MKT	Customer Relationship Management	2	III	50	50
313MKT	Marketing and the Law	2	III	50	50
314MKT	Finance for Marketing Professionals	2	III	50	50
315MKT	Marketing of Financial Services - I	2	III	50	50
316MKT	Tourism Marketing	2	III	50	50
317MKT	Agricultural Marketing	2	III	50	50
318MKT	Business to Business Marketing	2	III	50	50
405MKT	Retail Marketing	2	IV	50	50
406MKT	Rural Marketing	2	IV	50	50
407MKT	Service Operations Management	2	IV	50	50
408MKT	International Marketing	2	IV	50	50
409MKT	Export Documentation & Procedures	2	IV	50	50
410MKT	Marketing Strategy	2	IV	50	50
411MKT	Marketing Decision Models	2	IV	50	50
412MKT	Marketing of High Technology Products	2	IV	50	50
413MKT	E-Marketing	2	IV	50	50
414MKT	Marketing to Emerging Markets & Bottom of the Pyramid	2	IV	50	50
415MKT	Marketing of Financial Services - II	2	IV	50	50
416MKT	Cross Cultural Relationship Marketing	2	IV	50	50

	Subject Elective Courses (Financial Management)	Credits	Semester	Concurrent Evaluation	Total Marks
307 FIN	Income Tax – I	2	III	50	50
308 FIN	Project Finance	2	III	50	50
309 FIN	Strategic Cost Management	2	III	50	50
310 FIN	Corporate Financial Reporting	2	III	50	50
311 FIN	International Financial Reporting Standards	2	III	50	50
312 FIN	Corporate Financial Restructuring	2	III	50	50
313 FIN	Equity Research	2	III	50	50
314 FIN	Credit Analysis and Appraisal	2	III	50	50

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315 FIN	Banking Operations - I	2	III	50	50
316 FIN	Treasury Management	2	III	50	50
317 FIN	Financial Instruments and Derivatives	2	III	50	50
318 FIN	Financial Statement Analysis	2	III	50	50
319 FIN	Futures & Options	2	III	50	50
320 FIN	Back Office Operations	2	III	50	50
321 FIN	Principles of Insurance	2	III	50	50
322 FIN	Rural Financial Institutions	2	III	50	50
323 FIN	Social finance for Inclusive Growth - I	2	III	50	50
405 FIN	Income Tax – II	2	IV	50	50
406 FIN	Infrastructure Finance	2	IV	50	50
407 FIN	Behavioral Finance	2	IV	50	50
408 FIN	Financial Modeling Using Excel	2	IV	50	50
409 FIN	Indirect Taxation	2	IV	50	50
410 FIN	Financial Risk Management	2	IV	50	50
411 FIN	Online Trading of Financial Assets	2	IV	50	50
412 FIN	Banking Operations – II	2	IV	50	50
413 FIN	Wealth & Portfolio Management	2	IV	50	50
414 FIN	Fixed Income Securities	2	IV	50	50
415 FIN	Technical Analysis	2	IV	50	50
416 FIN	Commodity Markets and Derivatives	2	IV	50	50
417 FIN	Practice of Life Insurance	2	IV	50	50
418 FIN	Information Systems Audit	2	IV	50	50
419 FIN	Practice of General Insurance	2	IV	50	50
420 FIN	Financing Rural Development	2	IV	50	50
421 FIN	Social finance for Inclusive Growth - II	2	IV	50	50

	Subject Elective Courses (Information Technology Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 IT	Software Engineering	2	III	50	50
308 IT	Mobile Computing with Android	2	III	50	50
309 IT	RDBMS with Oracle	2	III	50	50
310 IT	Software Quality Assurance	2	III	50	50
311 IT	E-Learning	2	III	50	50
312 IT	Software Marketing	2	III	50	50
313 IT	Business Intelligence and Analytics	2	III	50	50
314 IT	Cyber Laws	2	III	50	50
315 IT	IT for Retailing	2	III	50	50
316 IT	Technical Writing	2	III	50	50
405 IT	Web Designing and Multimedia	2	IV	50	50

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406 IT	Network Technologies and Security	2	IV	50	50
407 IT	Data Base Administration	2	IV	50	50
408 IT	Software Testing	2	IV	50	50
409 IT	Information Security and Audit	2	IV	50	50
410 IT	Data Warehousing and Data Mining	2	IV	50	50
411 IT	Geographical Information Systems	2	IV	50	50
412 IT	E-Governance	2	IV	50	50
413 IT	Internet Marketing	2	IV	50	50
414 IT	Microsoft Office 2010 Lab	2	IV	50	50

	Subject Elective Courses (Operations Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 OPE	Productivity Management	2	III	50	50
308 OPE	Maintenance Management	2	III	50	50
309 OPE	Facilities Planning	2	III	50	50
310 OPE	Manufacturing Resource Planning	2	III	50	50
311 OPE	Technology Management	2	III	50	50
312 OPE	Six Sigma	2	III	50	50
313 OPE	Designing Operations Systems	2	III	50	50
314 OPE	Toyota Production System	2	III	50	50
315 OPE	Project Management	2	III	50	50
316OPE	Theory of Constraints	2	III	50	50
405 OPE	Quality Management Standards	2	IV	50	50
406 OPE	World Class Manufacturing	2	IV	50	50
407 OPE	Business Process reengineering	2	IV	50	50
408 OPE	Enterprise Resource Planning	2	IV	50	50
409 OPE	Financial Perspectives in Operations Management	2	IV	50	50
410 OPE	Service Operations Management	2	IV	50	50
411 OPE	Modeling Techniques for Operations	2	IV	50	50
412 OPE	Business Process Management	2	IV	50	50
413 OPE	Challenges and Opportunities in Operations Management	2	IV	50	50
414 OPE	Lean Manufacturing	2	IV	50	50

	Subject Elective Courses (Human Resources Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 HR	Employee Health & Safety	2	III	50	50
308 HR	Employee Welfare	2	III	50	50
309 HR	HR Audit	2	III	50	50
310 HR	Human Resource Information System	2	III	50	50

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311 HR	Outsourcing of HR	2	III	50	50
312 HR	Public Relations & Corporate Communication	2	III	50	50
313 HR	Quality Management System	2	III	50	50
314 HR	Lab in Recruitment and Selection	2	III	50	50
315 HR	Lab in Job Design and Analysis	2	III	50	50
316 HR	Lab in Training	2	III	50	50
317 HR	Lab in Labour Laws – I	2	III	50	50
405 HR	Organizational Design and Development	2	IV	50	50
406 HR	Global HR	2	IV	50	50
407 HR	Employee Reward Management	2	IV	50	50
408 HR	Change Management	2	IV	50	50
409 HR	Conflict & Negotiation Management	2	IV	50	50
410 HR	Lab in CSR	2	IV	50	50
411 HR	Lab in Industrial Relations	2	IV	50	50
412 HR	Lab in Legal Compliances	2	IV	50	50
413HR	Lab in Mentoring and Coaching	2	IV	50	50
414 HR	Best Practices in HR	2	IV	50	50
415 HR	Designing HR Policies	2	IV	50	50
416 HR	Competency Mapping	2	IV	50	50

	Subject Elective Courses (International Business Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 IB	International Management	2	III	50	50
308 IB	International Marketing	2	III	50	50
309 IB	International Marketing Research	2	III	50	50
310 IB	International Financial Management	2	III	50	50
311 IB	Global IT Management	2	III	50	50
312 IB	Global Logistics & Supply Chains	2	III	50	50
313 IB	Designing Organizations for Uncertain Environment	2	III	50	50
314 IB	Legal Dimensions of International Business	2	III	50	50
315 IB	Global Strategic Management	2	III	50	50
316 IB	International Relations & Management	2	III	50	50
317 IB	Foreign Language for International Business – I	2	III	50	50
405 IB	Environment & Global Competitiveness	2	IV	50	50
406 IB	Marketing to Emerging Markets & Bottom of the Pyramid	2	IV	50	50
407 IB	Cross-Cultural Relationship Marketing	2	IV	50	50
408 IB	Foreign Exchange Management	2	IV	50	50
409 IB	E Commerce	2	IV	50	50

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410 IB	Enterprise Resource Planning	2	IV	50	50
411 IB	Global HR	2	IV	50	50
412 IB	WTO and Intellectual Property Rights	2	IV	50	50
413 IB	Global Competitiveness and Strategic Alliances	2	IV	50	50
414 IB	International Diversity Management	2	IV	50	50
415 IB	Foreign Language for International Business – II	2	IV	50	50

	Subject Elective Courses (Supply Chain Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 SCM	Managing Material Flow in Supply Chains	2	III	50	50
308 SCM	Inventory Management	2	III	50	50
309 SCM	Purchasing & Supplier Relationship Management – I	2	III	50	50
310 SCM	Six Sigma	2	III	50	50
311 SCM	Supply Chain Planning	2	III	50	50
312 SCM	Supply Chain Coordination	2	III	50	50
313 SCM	Decision Modeling for Supply Chains	2	III	50	50
314 SCM	Theory of Constraints	2	III	50	50
315 SCM	Supply Chain Practices – I	2	III	50	50
405 SCM	Green Logistics & Supply Chains	2	IV	50	50
406 SCM	Enterprise Resource Planning	2	IV	50	50
407 SCM	Purchasing & Supplier Relationship Management – II	2	IV	50	50
408 SCM	Supply Chain Risk Management	2	IV	50	50
409 SCM	Project Management	2	IV	50	50
410 SCM	Supply Chain Performance Measurement	2	IV	50	50
411 SCM	Supply Chain Management - Financial Perspectives	2	IV	50	50
412 SCM	Global Logistics	2	IV	50	50
413 SCM	Supply Chain Practices– II	2	IV	50	50

	Subject Elective Courses (Rural & Agribusiness Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307RABM	Rural Development I	2	III	50	50
308RABM	Special Areas in Rural Marketing	2	III	50	50
309RABM	Commodity Markets – I	2	III	50	50
310RABM	Agricultural Marketing & Price Analysis – I	2	III	50	50
311RABM	Microfinance	2	III	50	50
312RABM	Agricultural Marketing	2	III	50	50
313RABM	Rural Research Methods	2	III	50	50
314RABM	Rural Banking	2	III	50	50

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315RABM	AgriSupply Chains Management	2	III	50	50
316RABM	ICT for Agriculture Management	2	III	50	50
317RABM	Tourism Marketing – I	2	III	50	50
318RABM	Millennium Development Goals	2	III	50	50
405RABM	Rural Development II	2	IV	50	50
406RABM	Special Areas in Agro produce Management	2	IV	50	50
407RABM	Commodity Markets – II	2	IV	50	50
408RABM	Agricultural Marketing and Price Analysis – II	2	IV	50	50
409RABM	Agricultural Finance and Project Management	2	IV	50	50
410RABM	Management of Agricultural Input Marketing	2	IV	50	50
411RABM	Intellectual Property Management	2	IV	50	50
412RABM	Food Retail Management	2	IV	50	50
413RABM	Agri-Entreprenuership	2	IV	50	50
414RABM	Management of Agribusiness Cooperatives	2	IV	50	50
415RABM	Tourism Marketing – II	2	IV	50	50
416RABM	Agriculture & WTO	2	IV	50	50

	Subject Elective Courses (Family Business Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307 FBM	Business Plan	2	III	50	50
308 FBM	Private Equity	2	III	50	50
309 FBM	Franchising	2	III	50	50
310 FBM	Social Entrepreneurship	2	III	50	50
311 FBM	Intraprenuership	2	III	50	50
312 FBM	Trends in Entrepreneurship	2	III	50	50
313 FBM	Small Scale Industries Management	2	III	50	50
314 FBM	Entrepreneurial Case Study	2	III	50	50
405 FBM	Creativity and Change in Organizations	2	IV	50	50
406 FBM	Accounting for Small Business	2	IV	50	50
407 FBM	Management of Intellectual Property Rights	2	IV	50	50
408 FBM	Managing , Growing and Exiting the new Venture	2	IV	50	50
409 FBM	Project Management	2	IV	50	50
410 FBM	Environment and Laws	2	IV	50	50
411 FBM	Information, Disaster and Health Management	2	IV	50	50
412 FBM	Business Incubation	2	IV	50	50

	Subject Elective Courses (Technology Management)	**Credits**	**Semester**	**Concurrent Evaluation**	**Total Marks**
307TM	Technology Forecasting	2	III	50	50
308TM	Strategies for information goods and network economies – I	2	III	50	50

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309TM	Advanced Manufacturing Technology	2	III	50	50
310TM	Product Strategies for High Technology Companies – I	2	III	50	50
311TM	Foundations of Knowledge Management	2	III	50	50
312TM	Business Intelligence and Analytics	2	III	50	50
313TM	Designing Organizations for Uncertain Environment	2	III	50	50
314TM	Technology Transfer and Commercialization	2	III	50	50
315TM	Digital Marketing	2	III	50	50
405TM	Innovation, Product Development and Commercialization	2	IV	50	50
406TM	Strategies for information goods and network economies – II	2	IV	50	50
407TM	Technology Use and Assessment	2	IV	50	50
408TM	Product Strategies for High Technology Companies – II	2	IV	50	50
409TM	Systems & Technologies for Knowledge Management	2	IV	50	50
410TM	Strategic Management of Intellectual Property Rights	2	IV	50	50
411TM	Change , Creativity & Innovation	2	IV	50	50
412TM	Seminar on Managing Emerging technologies	2	IV	50	50
413TM	Marketing of High Technology Products	2	IV	50	50

Note: Each Subject Elective Course is a Half Credit course of 30 hours. Out of 30 hours 25 hours shall be devoted to teaching – learning sessions and 5 hours for evaluation/projects. 50 marks shall be devoted for concurrent evaluation to be carried out by the Institute.

Note: Number of Sessions provided in the detailed syllabus in Annexure II for each course are **indicative and not prescriptive** in nature. They indicate the clock hours allocated for teaching and evaluation/project. However under the CBCS - LTP pattern , the faculty has the liberty to modify the same in the best interest of the learners.

Note:

a) In the detailed syllabus, Number of Sessions indicated are as follows: 7 + 2 indicates 7 teaching sessions and 2 evaluation /project sessions. Kindly note that the numbers provided are indicative and not prescriptive.

b) Faculty members and students should refer to the latest edition of the relevant books, wherever such latest editions are available.

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Master Of Business Administration
S. V. Institute of Technology, Nashik

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Key Indicator – 1.2 Academic Flexibility (30)

Metric No.	Quantitative Metrics	Weightage
1.2.1 QnM	***Percentage of new Courses introduced of the total number of courses across all Programmes offered during last five years.*** 1.2.1.1. How many new courses were introduced within the last five years Data Requirement for last five years: (As per Data Template in Section B) • Name of the new course introduced • Name of the Programme Formula: $\frac{\text{Number of new courses introduced during the last five years}}{\text{Number of courses offered during the last five years}} \times 100$ File Description(Upload) • Minutes of relevant Academic Council/BOS meeting • Any additional information Institutional data in prescribed format (Data Template)	10

Name of the new course introduced in last 5 years	Program name	Program code	Course code	Year of introduction	Link of the relevant document
Skill Engineering(Audit Course-I)	Chemical Engineering	51255071.0	209354	2016-17	
Value Education(Audit Course-II)			209354		
Soft Skills			209346	2015-16	
Introduction to Chemical Engineering			209342	2013-14	
Cyber Security (Audit Course 3)	Computer Engineering	512524510	310249	2017-18	
Software Engineering & Project Management			310243		
Database Management Systems (DBMS)			310242		
Information Systems & Engineering Economics			310244		
Web Technology			310254		
Digital and social media marketing (Audit Course 4)			310259		
Systems Programming & Operating System (SP & OS)			310251		

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Embedded Systems & Internet of Things (ES & IoT)			310252		
Software Modeling and Design			310253		
Discrete Mathematics			210241		
Data Structures and Algorithms			210243		
Object Oriented Programming			210245		
Computer Organization and Architecture			210244		
Humanities and social science (Audit Course 1)			210250	2016-17	
Water management (Audit Course 2)			210258		
Advanced Data Structures			210252		
Microprocessor			210253		
Principles of Programming Languages			210254		
Principal of Modern Compiler Design			410442		
Smart System Design and Application			410443	2015-16	
Software Design Methodology and Testing			410449		
High Performance Computing			410450		
Data Communication and Wireless Sensor Networks			310243		
Computer Forensic and Cyber Applications			310245	2014-15	
Principlesf Concurrent and			310249		
Embedded Operating Systems			310250		
Microprocessor Architecture			210245		
Object Oriented and Multi core Programming			210247	2013-14	
Bio-Inspired Optimization Algorithms	ME Computer	51252 4510	510102		
Software Development and Version Control			510103		
Embedded and Real Time Operating Systems			510104	2017-18	
Operations Research			510108		
System Simulation and Modeling			510109		
Machine Learning			510110		
Advanced Storage Systems and Infrastructure Management			610101	2014-15	
Advanced Unix Programming			610102		
High Performance Databases			510102		
Advanced Computer Architecture			510103	2013-14	
Research Methodology			510104		

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Operating System Design			510107		
Software Design and Architecture			510108		
Advanced Computer Networks			510109		
Wind energy system (Audit Course-III)	Electrical Engineering	512529310	303152	2017-18	
Bio energy system (Audit Course-IV)			303153		
Power electronics controlled drives			403148	2016-17	
Solar thermal system (Audit Course-I)			NA		
Solar PV system (Audit Course-II)			NA	2015-16	
Industrial and Technology management			311121	2014-15	
Advanced microcontroller and its application			303141		
Seminar and Technical Communication			303145		
Electrical Workshop			303151		
Power Generation Technique			203141	2013-14	
Fundamental of microprocessor and microcontroller			303149		
Numerical Methods and computer Programming			203148		
Soft Skills			203151		
Advanced Processors	E&TC	512537210	304189	2017-18	
Electronics System Design			304193		
Audit Course III					
Audit Course IV					
Japanese Language module-I (Audit Course-I)			204192	2016-17	
Electric Circuits and Machines			204183		
(Japanese Language module II)Audit Course-II			209354		
Wireless Network (Elective IV)			404192	2015-16	
Electromagnetics and Transmission Lines			304184	2014-15	
Embedded Processors			304191		
Antenna and Wave Propagation			304190		
Soft Skills			204192	2013-14	
Software Engineering & project management	Information Technology	512524610	314443	2017-18	
Operating System			314444		

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Human computer Interaction			314445		
Green Construction & Design (Audit course 3)			314449		
Computer network Technology			314450		
Cloud computing			314453		
Data science & Big data analytics			314455		
Social Awareness and Governance Program (Audit course4)			314459		
Computer organization & Architecture			214452		
Road Safety (Audit Course1)					
Foundations of communications & Computer network			214453	2016-17	
Stress Relief: Yoga and Meditation (Audit Course 2)					
Information & cyber Security			414453		
Software modeling & Design			414454		
Machine Learning			414455		
Cloud Computing (Elective-I)			414456		
Business Intelligence (Elective-II)			414457	2015-16	
Advanced Databases			414462		
Information Storage and Retrieval (Elective-III)			414450		
Bio Informatics (Elective-IV)			414451		
Web Engineering &Technology			314445		
Systems programming			314450		
Operating system			314451	2014-15	
Multimedia Technologies			314452		
Information Tech Project management			314453		
Problem solving & object oriented programming			214445	2013-14	
Foundation of computer Network			214452		
Value Education(Audit course)	Mechanical Engineering	512561210	202055	2016-17	
Refrigerationand Air Conditioning			402041	201.5-16	
Hydraulics and Pneumatics			302045	2014-15	
Skill Development			302046		
Soft Skills			202047	2013-14	
Optimization Techniques	ME Design	512560110	602213	2014-15	
Material Science and Mechanical behavior of Materials			502202	2013-14	
Research Methodology			502204		

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Finite Element Method			502209		
Indirect Tax		5125	403F	2017-18	
Strategic Management			301		
Enterprise Performance Management			302		
Startup and New Venture Management			303		
Summer Internship Project			304		
Contemporary Marketing Research			305MKT		
Consumer Behaviour			306MKT		
Integrated Marketing Communications			307MKT		
Strategic Brand Management			309MKT		
Customer Relationship Management			312MKT		
Marketing of Financial Services - I			315MKT		
Direct Taxation			305 FIN		
Financial System of India , Markets and Services			306 FIN		
Strategic Cost Management			307 FIN		
Corporate Finance			309 FIN		
Banking Operations - I			313 FIN		
Futures and Options	MBA		315 FIN		
Labour & Social Security Laws		5125	305 HR	2016-17	
Human Resource Accounting & Compensation Management			306HR		
Employee Health, Safety& Welfare			307 HR		
Compensation Management			308 HR		
Public Relations & Corporate Communication			312 HR		
Lab in Recruitment and Selection			314 HR		
Planning & Control of Operations			305 OPE		
Inventory Management			306 OPE		
Manufacturing Resource Planning			310 OPE		
Technology Management			311 OPE		
Six Sigma			312 OPE		
Project Management			315 OPE		
Agriculture and Indian Economy			305RABM		
Rural Marketing I			306RABM		

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Agricultural Marketing		312RABM	
Rural Research Methods		313RABM	
Rural Banking		314RABM	
AgriSupply Chains Management		315RABM	
I T Management and Cyber Laws		305 IT	
E-Business and Business Intelligence		306 IT	
Mobile Computing with Android		308 IT	
E-Learning		311 IT	
Software Marketing		312 IT	
IT for Retailing		313 IT	
Essentials of Supply Chain Management		305 SCM	
Logistics Management		306 SCM	
Managing Material Flow in Supply Chains		307 SCM	
Inventory Management		308 SCM	
Purchasing & Supplier Relationship Management –I		309 SCM	
Six Sigma		310 SCM	
Supply Chain Planning		311 SCM	
International Business Economics		305 IB	
Export Documentation and Procedures		306IB	
International Management		307 IB	
International Marketing		308 IB	
Global Logistics & Suppiy Chains		312 IB	
Global Strategic Management		315 IB	
Managing for Sustainability		401	
Dissertation		402	
Services Marketing		403MKT	
Sales and Distribution Management		404MKT	
Retaii Marketing		405MKT	
Rural Marketing		406MKT	
Marketing Strategy		410MKT	
E-Marketing and anaiytics		413MKT	
Indirect Taxation		403 FIN	
International Finance		404 FIN	
Financial Risk Management		407 FIN	
Banking Operations – II		409 FIN	
Wealth & Portfolio Management		410 FIN	
Commodity Markets		412 FIN	
Employment Relations		403 HR	

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Strategic Human Resource. Management		404HR	
Change Management		408HR	
Conflict & Negotiation Management		409HR	
Lab in Industrial Relations		411 HR	
Lab in Mentoring and Coaching		413HR	
Operations Strategy and Research		403 OPE	
Total Quality Management		404 OPE	
Quality Management Standards		405 OPE	
World Class Manufacturing		406 OPE	
Enterprise Resource Planning		408 OPE	
Lean Manufacturing		413 OPE	
Rural Credit and Finance		403RABM	
Rural Marketing II		404RABM	
Agricultural Finance and Project Management		409RABM	
Intellectual Property Management		411RABM	
Food Retail Management		412RABM	
Agri-Entreprenuership		413RABM	
Software Project Management		403 IT	
Enterprise Resource Planning (ERP)		404 IT	
Web Designing and Multimedia		405 IT	
Information Security and Audit		409 IT	
E-Governance		412 IT	
Internet Marketing		413 IT	
Strategic Supply Chain Management		403 SCM	
Knowledge Management in Supply Chains		404 SCM	
Green Logistics & Supply Chains		405 SCM	
Supply Chain Risk Management		408 SCM	
Supply Chain Management - I		411 SCM	
Global Logistics		412 SCM	
International Business Environment		403 IB	
Indian Economy and Trade Dependencies		404 IB	
Environment & Global Competitiveness		405IB	
E Commerce		409IB	

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Enterprise Resource Planning	410 IB		
Global HR	411 IB		
Cyber securities - IV	493		
Soft Skill - II	494		
Human Right-I	191		
Cyber Securities -I	192		
Human Right-II	291		
Cyber Securities-II	292		
Strategic Management	301		
Enterprise Performance Management	302		
Startup and New Venture Management.	303		
Summer Internship Project	304		
Contemporary Marketing Research	305MKT		
Consumer Behaviour	306MKT		
Integrated Marketing Communications	307MKT		
Product Management	308MKT		
Customer Relationship Management	312MKT		
Marketing of Financial Services - I	315MKT		
Direct Taxation	305 FIN	2015-16	
Financial System of India , Markets and Services	306 FIN		
Strategic Cost Management	307 FIN		
Corporate Finance	309 FIN		
Banking Operations - I	315FIN		
Financial Instruments and Derivatives	317FIN		
Labour& Social Security Laws	305 HR		
Human Resource Accounting & Compensation Management	306 HR		
Employee Health, Safety& Welfare	307 HR		
Compensation Management	308 HR		
Public Relations & Corporate Communication	312 HR		
Lab in Recruitment and Selection	314 HR		
Planning & Control of	305 OPE		

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Operations			
Inventory Management		306 OPE	
Productivity Management		307 OPE	
Manufacturing Resource Planning		310 OPE	
Technology Management		311 OPE	
Six Sigma		312 OPE	
Management Fundamentals		305TM	
Management Managing Innovation		306TM	
Technology Forecasting		307TM	
Business Intelligence and Analytics		312TM	
Designing Organizations for Uncertain Environment		313TM	
Technology Transfer and Commercialization		314TM	
I T Management and Cyber Laws		305 IT	
E-Business and Business Intelligence		306 IT	
Mobile Computing with Android		308 IT	
E-Learning		311 IT	
Software Marketing		312 IT	
IT for Retailing		313 IT	
Managing for Sustainability		401	
Dissertation		402	
Services Marketing		403MKT	
Sales and Distribution Management		404MKT	
Retail Marketing		405MKT	
Rural Marketing		406MKT	
Marketing Strategy		410MKT	
E-Marketing and analytics		413MKT	
Indirect Taxation		403 FIN	
International Finance		404 FIN	
Financial Risk Management		407 FIN	
Banking Operations – II		409 FIN	
Wealth & Portfolio Management		410 FIN	
Commodity Markets		412 FIN	
Employment Relations		403 HR	
Strategic Human Resource Management		404HR	
Change Management		408HR	
Conflict & Negotiation Management		409HR	

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Lab in Industrial Relations			411 HR		
Lab in Mentoring and Coaching			413HR		
Operations Strategy and Research			403 OPE		
Total Quality Management			404 OPE		
Quality Management Standards			405 OPE		
World Class Manufacturing			406 OPE		
Enterprise Resource Planning			408 OPE		
Lean Manufacturing			413 OPE		
Technology3 Competition and Strategy			403TM		
Managing Innovation –3			404TM		
Innovation, Product Development and Commercialization			405TM		
Product Strategies for High Technology Companies – II			408TM		
Change , Creativity & Innovation			411 TM		
Marketing of High Technology Products			413TM		
Software Project Management			403 IT		
Enterprise Resource Planning (ERP)			404 IT		
Web Designing and Multimedia			405 IT		
Information Security and Audit			409 IT		
E-Governance			412 IT		
Internet Marketing			413 IT		
Cyber Security-IV			493		
Soft Skills-II			494		
Accounting for Business Decisions			101		
Economic Analysis for Business Decisions			102		
Legal Aspects of Business			103		
Business Research Methods			104		
Organizational Behavior			105		
Basics of Marketing			106	2013-14	
Business Communication Lab			108		
Selling & Negotiation Skills Lab			110		
Personality Development Lab			113		
Enterprise Analysis - Desk Research			115		
Marketing Management			201		

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Financial Management			202		
Human Resource Management			203		
Decision Science			204		
Operations & Supply Chain Management			205		
Management Information Systems			206		
Life skill			210		
Geopolitics & the World Economic System			211		
Computer Aided Personal Productivity Tools Lab			213		
Industry Analysis - Desk Research			215		

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Summary			
Year	Total number of Courses offered	No. of new courses introduced	Course revised Class
2013-14	36	02	SE Chemical (2012 course)
2014-15	36	00	TE Chemical (2012 course)
2015-16	37	01	BE Chemical (2012 course)
2016-17	39	02	SE Chemical (2015 Course)
2017-18	39	00	TE Chemical (2015 course)
2013-14	29	02	SE Computer (2012 course)
2014-15	29	04	TE Computer (2012 course)
2015-16	29	04	BE Computer (2012 course)
2016-17	31	09	SE Computer (2015 Course)
2017-18	33	09	TE Computer (2015 course)
2013-14	09	06	ME Computer-I (2013 course)
2014-15	12	02	ME Computer-II (2013 course)
2015-16	12	00	ME Computer
2016-17	12	00	ME Computer
2017-18	12	06	ME Computer-I (2017 course)
2013-14	31	04	SE Electrical (2012 course)
2014-15	31	04	TE Electrical (2012 course)
2015-16	31	01	BE Electrical (2012 course)
2016-17	36	02	SE Electrical (2015 Course)
2017-18	36	02	TE Electrical (2015 course)
2013-14	36	01	SE Electronics and Telecommunication(2012 course)
2014-15	36	03	TE Electronics and Telecommunication (2012 course)
2015-16	37	01	BE Electronics and Telecommunication(2012 course)
2016-17	39	03	SE Electronics and Telecommunication(2015 Course)
2017-18	39	04	TE Electronics and Telecommunication (2015 course)
2013-14	12	00	ME VLSI and Embedded design
2014-15	12	00	ME VLSI and Embedded design
2015-16	12	00	ME VLSI and Embedded design
2016-17	12	00	ME VLSI and Embedded design
2017-18	12	00	ME VLSI and Embedded design
2013-14	31	02	SE Information Technology (2012

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			course)
2014-15	31	05	TE Information Technology (2012 course)
2015-16	31	08	BE Information Technology (2012 course)
2016-17	30	04	SE Information Technology (2015 Course)
2017-18	30	08	TE Information Technology (2015 course)
2013-14	37	01	SE Mechanical (2012 course)
2014-15	38	02	TE Mechanical(2012 course)
2015-16	38	01	TE Mechanical(2012 course)
2016-17	38	01	TE Mechanical(2012 Course)
2017-18	39	00	BE Mechanical (2012 course)
2013-14	12	03	ME I Design(2008 course)
2014-15	12	01	ME II Design(2008 course)
2015-16	12	00	ME Design
2016-17	12	00	ME Design
2017-18	12	00	ME Design
2013-14	14	00	FE
2014-15	14	00	FE
2015-16	14	00	FE
2016-17	14	00	FE
2017-18	14	00	FE
2013-14	86	20	MBA I
2014-15	103	87	MBA II (83) + MBA I (4)
2015-16	103	0	MBA
2016-17	128	104	MBA II
2017-18	79	01	MBA II
TOTAL	1779	320	

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