Board of Studies (Civil Engineering)
T.E.Civil Equivalences

| Sr.No | 2003 Course | | Sr.No | Equivalent subject in 2008 Course | |
	Code of Subject	Name of Subject		Code of Subject	Name of Subject
		Semester -I			**Semester -I**
1	301001	Theory of Structures – II	1	301001	Structural Analysis -II
2	301002	Fluid Mechanics -II	2	301004	Fluid Mechanics - II
3	301003	Structure Design-I	3	Equivalence cannot be provided since SD-I is in WSM.	
4	301004	Geotechnical Engg.	4	Equivalence cannot be provided.	
5	301005	Construction Techniques And Machinery	5	Equivalence cannot be provided.	
				301003	Structure Design-I (LSM)
				301002	Infrastructure Engg. and Construction Techniques
		Semester -II			**Semester -II**
6	301006	Advanced Surveying	6	301005	Advanced Surveying
7	301007	Project Management And Computer Applications	7	Equivalence cannot be provided.	
8	301007	Structural Design -II	8	301008	Structural Design II
9	301009	Environmental Engineering-I	9	301009	Environmental Engineering I
10	301010	Transportation Engineering -I	10	Equivalence cannot be provided.	
11	301011	Seminar	11		Seminar
				301006	Hydrology & Water Resources Engg.
				301007	Project Management And Engineering Economics
				301010	Foundation Engg.

Subject Equivalence for T.E.(Electronics & Telecommunications)2003 Course

University of Pune

Code No.	Name of Subject(2003 Course)	Code No.	Name of Subject(2008 course) T E (E&TC)
Semester -I			
304181	Digital Design and Computer Organization(Th)	304181	Digital Design and Computer Organization(Th) (2003)
304182	Analog Integrated Circuits Design and applications(Th)	304182	Analog Integrated Circuits Design and applications(Th)(2003)
304183	Digital communication(Th) (TW), (PR)	304182	Digital Communication (Th) PR Tw
304184	Microprocessor, Microcontroller and applications(Th)	304184	Microcontrollers & Application (Th)
304185	Mechatronics(Th) (TW)	304185	Mechatronics(Th) (TW) (2003)
304186	Electronics Lab-I (TW)(PR)		**Electronics Lab-I (TW)(PR)
304187	Electronic Design Workshop(OR)	304186	Electronic Design Practice OR
Semester-II			
304188	Advanced Microprocessors (Th)	304188	Advanced Microprocessors (Th) (2003)
304189	Power Electronics (Th)	304205*	Power Electronics (Th)
304190	Digital signal Processing(Th)	304185#	Digital Signal Processing (Th)
304191	Electromagnetic Waves and Radiating Systems(Th)	304191	Wave Theory & Antenna(Th)
304192	Information theory and Coding techniques(Th)	304187	Signal Coding & Estimation (Th)
304193	Electronics Lab-II(TW)(PR)	304193	**Electronics Lab-II(TW)(PR)
304194	Signal Processing and Communication Lab (TW)(OR)	304194	Signal Processing and Communication Lab (TW)(OR)(2003)
304195	Electronic System design and Min Project (TW)(OR)	304192	Mini Project & Seminar OR, Tw.

Note: The Practical examination and Term work of **EL-I will be based on the assignments/Practicals of Microcontroller and application(2008 course) and Analogue integrated circuits Design and applications (2003 course).

The Oral examination and Term work of **EL-II will be based on the assignments/Practicals of Advanced Microprocessor(2008 course) and Power Electronics (2008) course

The Oral examination and Term work of Signal Processing and Communication Lab will be based on the assignments/Practicals of Digital Signal processing(2008 course) and Signal Coding & Estimation Theory   (2008) course.

Subject Equivalence for T.E.(Electronics)2003 Course

University of Pune

Code No.	Name of Subject(2003 Course)	Code No.	Name of Subject(2008 course) T E Electronics
Semester -I				
304181	Digital Design and Computer Organization(Th)	304181	Digital Design and Computer Organization(Th) (2003)
304182	Analog Integrated Circuits Design and applications(Th)	304182	Analog Integrated Circuits Design and applications(Th)(2003)
304183	Digital communication(Th) (TW), (PR)	304202	Data Communication (Th) OR TW
304184	Microprocessor, Microcontroller and applications(Th)	304204	Microcontroller
304185	Mechatronics(Th) (TW)	304185	Mechatronics(Th) (TW) (2003)
304186	Electronics Lab-I (TW)(PR)	304186	Electronics Lab-I (TW)(PR) (2003)
304187	Electronic Design Workshop(OR)	304206	Electronic Design Practice OR
Semester-II				
304188	Advanced Microprocessors (Th)	304209	Microcomputer Based System (Th)
304189	Power Electronics (Th)	304205*	Power Electronics (Th)
304190	Digital signal Processing(Th)	304211	Discrete Time Signal Processing(Th)
304191	Electromagnetic Waves and Radiating Systems(Th)	304191	Electromagnetic Waves and Radiating Systems(Th)(2003)
304192	Information theory and Coding techniques(Th)	304192	Information theory and Coding techniques(Th)(2003)
304193	Electronics Lab-II(TW)(PR)	304213	Electronics Lab-II(TW)(PR)
304194	Signal Processing and Communication Lab (TW)(OR)		Signal Processing and Communication Lab (TW)(OR)
304195	Electronic System design and Min Project (TW)(OR)	304212	Mini Project and Seminar OR (TW)

Note: The Practical examination and Term work of EL-I will be based on the assignments/Practicals of Microcontroller (2008 course) and Analogue integrated circuits Design and applications (2003 course). The Practical examination and Term work of **EL-II will be based on the assignments/Practicals of Microcomputer based system (2008 course) and Power Electronics (2008) course.

The Oral examination and Term work of Signal Processing and Communication Lab will be based on the assignments/Practicals of Discrete time Signal processing(2008 course) and Information theory and l Coding techniques (2008) course.

University of Pune

Equivalence between 2003 course and 2008 course for **FULL TIME DEGREE** for subjects in **Mechanical Engineering (Sandwich)** offered at **Third year.**

Sr. No.	CODE	2003 COURSE SUBJECT	Passing Head/s	CODE	2008 COURSE SUBJECT	Passing Head/s
1	302061	Elective I				
		1. Welding Technology	Theory	302061 C	Welding Technology	Theory
		2. Manufacturing Management	Theory	302061 A	Production Management	Theory
		3. Behavioural Science	Theory	302061 B	Behavioural Science	Theory
		4. Plant Engineering	Theory		Not Offered	
2	302062	Technical Paper Presentation I	Oral	302062	Seminar	Oral
3	302063	Industrial In-plant Training	TW, Oral	302063	Industrial In-plant Training	TW, Oral
4	302042	Heat Transfer	Th, TW, Oral	302042	Heat Transfer	Th, PR
5	302045	Computer Oriented Numerical Methods	Th, PR	202068	Computer Applications	Th, TW
6	402043	Mechatronics *	Theory, TW	302065	Mechatronics	Theory, TW, Oral
7	302065	Theory of Machines & Machine Design II	Theory, TW, Oral	302064	Theory of Machine & Machine Design –II	Theory, TW, Oral
8	302064	Thermal Engineering II	Theory, TW, PR	202065	Thermal Engineering-II	Theory, TW, Oral

Wherever Oral examination as head of passing, in 2003 course and there is no oral examination corresponding subject in 2008 course, the respective candidates have to appear respective oral examination in old course and marks will be awarded as per 2008 course for the corresponding head of passing. This process has to be carried out till no of candidates exhausted.

University of Pune

Equivalence between 2003 course and 2008 course for **FULL TIME DEGREE** for subjects in **Mechanical Engineering (Regular)** offered at **Third year.**

Sr. No.	CODE	2003 COURSE SUBJECT	Passing Head/s	CODE	2008 COURSE SUBJECT	Passing Head/s
1	302041	Design of Machine Elements	Th, TW	302041	Machine Design – I	Th, TW
2	302042	Heat Transfer	Th, OR	302042	Heat Transfer	Th, PR
3	302043	Theory of Machines and Mechanisms – II	Th, OR	302043	Theory of Machines – II	Th, OR
4	302044	Industrial Engineering and Management	Theory	302044	Technology Management	Theory
5	302045	Computer Oriented Numerical Methods	Th, PR	302045	Computer Oriented Numerical Methods	Th, PR
6	311046	Workshop Practice - IV	TW	311052	Workshop Practice - II	TW
7	302047	Transmission System Design	Th, TW, OR	302047	Machine Design – II	Th, OR
8	311048	Metrology and Quality Control	Th, TW	311048	Metrology and Quality Control	Th, TW
9	302049	Tribology	Theory	402044 D	Tribology	Theory
10	302050	Fluid Machinery	Th, OR	302049	Turbo Machines	Th, TW
11	302051	Refrigeration and Air Conditioning	Th, OR	302051	Refrigeration and Air Conditioning	Th,, OR
12	302052	Technical Paper Presentation	TW	302046	Seminar	TW

Wherever Oral examination as head of passing, in 2003 course and there is no oral examination corresponding subject in 2008 course, the respective candidates have to appear respective oral examination in old course and marks will be awarded as per 2008 course for the corresponding head of passing. This process has to be carried out till no of candidates exhausted.

University of Pune

Equivalence for T.E. Electrical 2003 Course

Date..27/07/2011

T.E. Electrical 2003 Course **Equivalent T.E. Electrical 2008 Course**

Sr. No	Subject Code	Subject Name	Head		Sr. No	Subject Code	Subject Name	Head
1	311121	Management Techniques	PP		1	311121	Engineering Economics & Management	PP
2	303141	Microprocessor Fundamental & Applications	PP OR		2	203149	Microprocessor Fundamental & Applications	PP OR
3	303142	Electrical Machines-II	PP PR		3	To be Continued		PP PR
4	303143	Design of Electrical Machines	PP OR		4	303148	Design of Electrical Machines	PP OR
5	303144	Control System-I	PP		5	303149	Control System -I	PP
6	303145	Power System-II	PP PR		6	303145	Power System-II	PP PR
7	303146	Microcontroller & its applications	PP OR		7	303141	Micro-controller Applications	PP OR
8	303147	Power Electronics	PP PR		8	303143	Power Electronics	PP PR
9	303148	Electrical Machines-III	PP		9	303142	Electrical Machines-II	PP
10	303149	Electrical Installation, Maintenance & Testing	PP		10	303144	Electrical Installation, Maintenance & Testing	PP
11	303150	Seminar	TW		11	303150	Seminar	TW

PP:- Theory Paper
PR:- Practical
OR:- Oral
Note:- For Practical/Oral Exam. Equivalence, candidate can use TW of 2003 course.

T. E. Computer

2003 Course		2008 Course	
Sub Code	Subject Name	Sub Code	Equivalent Subject Name
310241	DBMS	310241	DBMS
310242	Data Communication	310242	Data Communication
310243	Microprocessor and microcontroller	310243	Microprocessor and microcontroller
310244	DSP	310244	DSP
310245	Theory of computation	310245	Theory of computation
310246	RVPL	310246	RVPL
310247	Signal Processing Lab	310247	Signal Processing Lab
310248	Hardware Lab	310248	Hardware Lab
310249	PPL	310249	PPL
310250	Computer Network	310250	Computer Network
310251	MIS	310251	Financial and MIS
310252	System Programming	310252	SP and OS
310253	Software engineering	310253	Software engineering
310254	Software Lab	310254	Software Lab
310255	Computer network Lab	310255	Computer network Lab
310256	SDTL	310256	SDTL
310257	Seminar And Technical communication	310257	Seminar And Technical communication

Instrumentation & Control: Equivalence

TE Instrumentation

2003 course		2008 course		Remark
Sub. Code No.	Subject 2003 course	Sub Code No	Subject 2008 course	
306261	Micro-controller Techniques	306262	Embedded System Design	
306262	Signals and Systems	No equivalence		
306263	Control System Components	306263	Control System Components	
306264	Analytical Instrumentation	306261	Instrumentation for Chemical Analysis	
306265	Electronic Instrumentation	306264	Electronic Instrumentation	

2003 course		2008 course		Remark
Sub. Code No.	Subject 2003 course	Sub Code No	Subject 2008 course	
306266	Digital Signal Processing	306267	Digital Signal Processing Fundamentals	
306267	Process Plant Operation	306268	Power Plant Instrumentation	
306268	Process Loop Components	306269	Process Loop Components	
306269	Instrument System Design	306270	Instrument System Design	
306270	Industrial Management	306265	Industrial Management	
306271	Seminar			

Practical and oral of new equivalent subject should be consider if required.

Subject Equivalence for Third Year of Engineering (Production Engineering), 2008 with 2003 Course
University of Pune

Code No.	Name of Subject, 2003 Structure	Code No.	Name of Subject, 2008 Structure
		Semester I	
302081	Material Science & Composite Material TH TW	311091	Production Metallurgy TH TW
302082	Kinematics & Design of Mfg. Machines TH Oral	311082	Kinematics of Manufacturing Machines TH TW
311083	Material Forming TH Oral	311083	Material Forming TH Oral
311084	Production Planning & Control TH	311084	Production Management TH
311085	Metal Cutting & Tool Design TH Oral	311085	Cutting Tool Engineering TH TW
311086	Production Practice –I Practical	311086	Production Practice –I Practical
		Semester II	
311087	Machine Tools & Advanced Manufacturing Systems TH	311087	Machine Tool Engineering TH TW
311088	Manufacturing Processes II TH		To be Continued
311089	Metrology & Quality Control TH Oral		To be Continued
311090	Die & Mould Design TH Oral	311088	Tool Design TH Oral
311091	Database & Information Tech. For Production Engg TH TW	311090	Numerical Techniques and Database TH TW
311092	Production Practice –II TW		To be continued
311093	Seminar TW		To be continued

Note: The Practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned institutes.

Subject Equivalence for Third Year of Engineering (Production Sandwich Engineering), 2008 with 2003 Course
University of Pune

Code No.	Name of Subject, 2003 Structure	Code No.	Name of Subject, 2008 Structure
	Semester I		
311121	Industrial Inplant Training for 6 Months TW Oral	311121	Industrial In-plant Training for 6 months TW Oral
311122	Manufacturing Engg. Technology (Self Study) TH	311122	Manufacturing. Technology (Self Study) TH TW
	Semester II		
311123	Kinematics & Design of Mfg. Machines TH Oral	311124	Kinematics Design of Machines TH Oral
311124	Process Planning & Industrial Statistics TH TW	311126	Production & Industrial Management II TH
311082	Manufacturing Processes II TH		To be Continued
311085	Metal Cutting & Tool Design TH Oral		To be Continued
311091	Database & Information Tech. For Production Engineering TH TW	311090	Numerical Techniques and Database TH TW
311125	CAD/CAM Lab Oral		To be Continued

Note: The Practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned institutes.

Subject Equivalence for Third Year of Engineering (Industrial Engineering), 2008 with 2003 Course
University of Pune

Code No.	Name of Subject, 2003 Structure	Code No.	Name of Subject, 2008 Structure
Semester I		
311101	Workstudy & Ergonomics TH TW	311109	Ergonomics & Product Design TH Oral
311102	Engineering Economic Analysis TH		To be Continued
311103	Business Management TH		To be Continued
311104	Computer Programming & Applications TW Practical	311104	Computer Programming & Applications TW Practical
311105	Engineering Statistics TH	311102	Advanced Statistics & Numerical Methods TH TW
311106	Theory & Design of Machine Elements TH	311106	Machine Design TH TW
311107	Workshop Practice IV Practical	311107	Production Practice- IV Practical
	Semester II		
311108	Operation Research I TH TW	311108	Operation Research TH TW
311109	Workstudy Applications TH Oral	311103	Work study TH
311110	Plant Engineering TH	311110	Facilities Planning TH
311111	Management Information System TH TW	311111	Management Information Systems TH TW
311112	Quality Assurance TH Oral	311105	Metrology & QC TH
311113	Seminar Oral	311113	Seminar Oral

Note: The Practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned institutes.

T.E. (Printing Engineering)

Equivalence for subjects of 2003 course with 2008 course

Sr. No.	2003 Course			2008 course		
	Subject code	Subject	Exam scheme	Subject Code	Subject	Exam scheme
1	308281	Printing Network & Computer Graphics	PP TW	308282	Printing Network Technology & Opto Electronics	PP TW
2	308282	Printing Process Instrumentation	PP OR		No equivalent in 2008 course. Printing Process Instrumentation of 2003 course continue	PP OR
3	308283	Reprotechniques	PP PR	208288	Reprotechniques (SE Printing subject)	PP PR
4	302284	Design of Printing Machine Components	PP TW	302285	Design of Printing Machine Components	PP TW
5	308285	Technology of Print Finishing & Packaging	PP TW	208289	Print Finishing (SE Printing subject)	PP TW
6	308286	Seminar	OR		No equivalent in 2008 course. Seminar of 2003 course continue.	OR
7	304287	Printing Teletronics & Optoelectronics	PP TW		No equivalent in 2008 course. Printing Teletronics & Optoelectronics of 2003 course continue	
8	308288	Surface Preparation I	PP TW PR		No equivalent in 2008 course. Surface preparation – I of 2003 course continue	
9	308289	Offset Machines I	PP TW	308281	Offset Machines I	PP TW
10	308290	Digital Colour imaging & Colour Management	PP PR	308283	Colour Management & standardization	PP PR
11	302291	Theory of Printing Machines & Machine Design	PP TW OR	302290 302290	Theory of Printing Machines & Machine Design. No equivalent in 2008 course. Theory of Printing machines & machine design of 2003 course continue	PP PR TW OR

Faculty of Engineering
Board of Studies in Petroleum Engineering
Subjects Equivalence of 2003 course with 2008 course
T.E. (Petroleum)

Code no	Name of subject, 2003 Structure	Code no	Name of subject, 2008 Structure
	Term I		
312381	Mathematical Methods for Petroleum Engg. Th	312381	Numerical Methods and Geostatistics. Th
312382	Petroleum Geology – I, Th, TW, Pr	312382	Petroleum Geology I, Th, TW, Pr
312383	Drilling & Production Operations,		To be continued
312384	Principles of Chemical Engg.-I		To be continued
312385	Petroleum Field Instrumentation & Control	212384	To be continued
312386	Drilling Fluid and Cementation Lab Practices		To be continued
	Term II		
312387	Petroleum Geology – II, TH, PR	312386	Petroleum Geology – II, TH, PR
312388	Properties of Reservoir Rocks & Fluids, TH	312387	Reservoir Engineering I, TH
312389	Petroleum Production Engg-I		To be continued
312390	Principle of Chemical Engineering- II		To be continued
312391	Design of Petroleum Machinery, TH	312390	Petroleum Equipment Design and Drawing, TH
	ORAL		To be continued
312392	Computational Skills		To be continued
312393	Seminar	312392	Seminar

Note: The practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned Institutes.

Faculty of Engineering
Board of Studies in Petroleum Engineering
Subjects Equivalence of 2003 course with 2008 course
T.E. (Petrochemical)

Code no	Name of subject, 2003 Structure	Code no	Name of subject, 2008 Structure
	Term I		
312401	Chemical Process Industries		To be continued
312402	Mathematics for Petrochemical Engineers, TH	312401	Numerical and Statistical Methods, TH
312403	Diffusion and Mass Transfer, TH	312403	Mass Transfer –I, TH
	Oral		To be continued
312404	Chemical Engineering Thermodynamics, TH	312402	Applied Hydrocarbon Thermodynamics, TH
312405	Process and Analysis Instrumentation, TH	312405	Instrumentation and Instrumental Analysis , TH
	Oral		To be continued
312406	Computer Applications, TW	312412	Computational Methods, TW
	Oral		To be continued
	Term II		
312407	Unit Processes in Organic Synthesis, TH, TW, Oral		To be continued
312408	Mass Transfer Operations, TH	312408	Mass Transfer-II, TH
	Oral		To be continued
312409	Reaction Engineering – I, TH	312409	Reaction Engineering – I, TH
312410	Transport Phenomena, TH	312407	Transport Phenomena, TH
312411	Process Equipment Design, TH, Oral	312411	Process Equipment Design and Drawing, TH, Oral
312412	Seminar	312413	Seminar

Note: The practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2008 revised syllabus. This has to be brought to the notice of the examiners by the concerned Institutes.

Subject Equivalence for Third Year of Engineering (Chemical Engineering), 2008 with 2003 Course
University of Pune

Code No	Name of subject, 2003 Structure	Code No	Name of subject, 2008 Structure
Semester I			
309341	Chemical Engineering Mathematics Th	309341	Chemical Engineering Mathematics Th
309342	Mass Transfer- I Th TW Practical	309342	Mass Transfer I Th TW Practical
309343	Process Instrumentation and Instrumental Analysis Th. Oral	309351	Process Instrumentation & Control Th Oral
309344	Process Equipment Design –I Th Oral TW	309349	Chemical Engineering Design -I Oral TW
309345	Chemical Engineering Thermodynamics-II Th.	309344 -	Chemical Engineering Thermodynamics II Th
309346	Computer Aided Chemical Engineering- -I TW	309345	Computer Aided Chemical Engineering – I TW
Semester II			
309347	Chemical Reaction Engineering – I Th. Practical	309347	Chemical Reaction Engineering I Th Practical
309348	Transport Phenomena Th	309348	Transport Phenomena Th
309349	Chemical Process Technology Th TW	309343	Chemical Process Technology Th Oral
309350	Mass Transfer II Th Practical	309350	Mass Transfer II Th Practical
307351	Industrial Organization and Management Th TW Oral	307351	Industrial Organization and Management Th TW Oral to be continued.
309352	Seminar TW	309352	Seminar TW

Note: The practical / oral examination of the candidate will be conducted based on the assignments performed and submitted by the candidate in his / her journal and not as per assignments in 2003 revised syllabus. This   has to be brought to the notice of the examiners by the concerned Institutes.

Subject Equivalence for Third Year of Engineering (Polymer Engineering), 2003 with 2008 Course, University of Pune.

Code No.	Name of the Subject 2003 Structure	Code No.	Name of the subject 2008 Structure
Semester – I			
309361	Mathematical Methods for Polymer Engg.	309366	Mathematical Methods for Polymer Engineers
309362	Polymer Chemistry – I	309361	Polymer Chemistry - I
309363	Polymer Materials – I	309362	Polymer Materials
309364	Chemical Engineering Operations	309369	Polymer Processing Operations – I
309365	Design of equipment & machinery	309364	Design Equipment & Machinery Element
Semester - II			
309368	Polymer Chemistry - II	309367	Polymer Chemistry – II
309369	Polymer Material – II	309363	Polymer Structure Property Relationship
309370	Instrumentation & Process Control	309368	Instrumentation & Process Control
309371	Polymer Thermodynamics & Reaction Engineering	309365	Mass Transfer and Reaction Engineering
309372	Polymer Rheology & Processing	309370	Polymer Rheology
	---	309371	Seminar

UNIVERSITY OF PUNE
Faculty of Engineering: BoS (Engineering Sciences)

B] Equivalence for TE (2003 pattern) subjects (with effect from 2012 – 13)

S N	2003 Pattern		2008 Pattern	
	Code	Subject & Branch	Code	Subject & Branch
1	307351	Industrial Organization & Management for Chemical & Biotechnology	307351	Industrial Organization & Management for Chemical

Board of studies Information Technology

Equivalence for T.E. 2003 course

Sr. No.	Subject in 2003 Course		Equivalence in 2008 course	
	Code	Subject Name	Code	Subject Name
Semester - I				
1	310241	Database Management Systems	310241	Database Management Systems
2	314441	Operating System	314441	Operating System
3	314442	Multimedia Systems	To be Continued	
4	314443	Data Communication And Networking	To be Continued	
5	310268	Theory of Computation	314442	Theory of Computation
6	314444	Operating System Lab.	314444	Operating System Design Laboratory
7	310445	Information system Lab.	To be Continued	
8	314446	Multimedia Lab	To be Continued	
Semester - II				
9	314447	System Software	314448	System Software Programming
10	314448	Computer Network Technology	314443	Computer Network Technology
11	314449	Management Information Systems	314449	Management Information Systems
12	314450	Human Computer Interface	To be Continued	
13	310259	Software Engineering	To be Continued	
14	314451	Software Laboratory	To be Continued	
15	314452	Network Laboratory	314446	Network Laboratory
16	314453	Software Development Tools Laboratory	To be Continued	

T.E. Biotechnology Engineering

2003 Course		Equivalent 2008 Course	
Subject Code	Name of the subject	Subject Code	Name of the subject
309342	Mass Transfer I	315462	Mass Transfer
316282	Bioseparations	315468	Bioseparations I
316283	Industrial Microbiology	315464	Fermentation Technology I
309347	Chemical Reaction Engineering I	315466	Reaction Engineering
316284	Immunology	315469	Immunology and Diagnostics
309350	Mass Transfer II	315467	Fermentation Technology II
316286	Computational Techniques and Process Modeling	315465	Computational Techniques and Biostatics