स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ

नांदेड– ४३१६०६ (महाराष्ट्र)

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY

NANDED-431606, MAHARASHTRA STATE, INDIA.

Established on 17th September 1994 - Recognized by the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'A' Grade

ACADEMIC (I-BOARD OF STUDIES) SECTION

Phone: (02462) 229542
Fax : (02462) 229574

Website: www.srtmun.ac.in

E-mail: bos.srtmun@gmail.com

अभियांत्रिकी विद्याशाखेतील पदवी तृतीय वर्षाच्या अभ्यासक्रमांचे Course Structure शैक्षणिक वर्ष २०१६–१७ पासून लागू करण्याबाबत.

प रि प त्र क

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, प्रस्तुत विद्यापीठाच्या अभियांत्रिकी विद्याशाखेतील खालील पदवी तृतीय वर्षाच्या (CGPA) अभियांत्रिकी शाखांच्या अभ्यासक्रमांचे **Course Structure** शैक्षणिक वर्ष २०१६–१७ पासून लागू करण्यात येत आहे.

(1) Mechanical Engineering
(2) Computer Science & Engineering
(3) Electronics & Telecommunication Engineering
(4) Civil Engineering
(5) Information & Technology
(6) Electrical Engineering

सदरील Course Structure व परिपत्रक प्रस्तुत विद्यापीठाच्या **www.srtmun.ac.in** या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी.

'ज्ञानतीर्थ' परिसर,
विष्णुपुरी, नांदेड – ४३१ ६०६.
जा.क्र.: शैक्षणिक–०१/परिपत्रक/अभियांत्रिकी–कोर्स स्ट्रक्चर/२०१६–१७/९६८
दिनांक : १९.०८.२०१६.

संचालक
महाविद्यालय व विद्यापीठ विकास मंडळ

प्रत माहिती व पुढील कार्यवाहीस्तव :

१) मा. कुलसचिव यांचे कार्यालय, प्रस्तुत विद्यापीठ.
२) मा. परीक्षा नियंत्रक यांचे कार्यालय, प्रस्तुत विद्यापीठ.
३) प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.
४) उपकुलसचिव, पदव्युत्तर विभाग, प्रस्तुत विद्यापीठ.
५) साहाय्यक कुलसचिव, पात्रता विभाग, प्रस्तुत विद्यापीठ.
६) सिस्टम एक्सपर्ट, यू.जी.सी. कक्ष, प्रस्तुत विद्यापीठ.

Swami Ramanand Teerth Marathwada University, Nanded

Total Credits of Computer Science and Engineering

SE CSE SEM III	**15 + 5 = 20**
SE CSE SEM IV	**15 + 6 = 21**
TE CSE SEM V	**15 + 6 = 21**
TE CSE SEM VI	**15 + 7 = 22**
BE CSE SEM VII	**15 + 9 = 24**
BE CSE SEM VII	**15 + 9 = 24**

Total Credits = 132 + 41 FE = 173

Swami Ramanand Teerth Marathwada University, Nanded

Teaching and Evaluation Scheme for

Second Year Program in Computer Science & Engineering and Information Technology

Semester - III

Effective from 2016-2017

Course Code	Course Name	Teaching Scheme			Credit Structure		
		L	T	P	T	P	Total
CI201	Engineering Mathematics - III	03	01	--	03	--	03
CI202	Discrete Mathematics	03	01	-	03	-	03
CI203	Data Structures	04	-	04	03	02	05
CI204	Digital Systems	04	-	02	03	01	04
CI205	Engineering Economics	03	-	-	03	-	03
CI206	Programming Lab-I	02	-	02	-	02	02
CI207	Professional Communication Skills	02 AUDIT	-	02	-	-	-
Total		21	02	10	15	05	20

Total Credits : 20

Total Contact Hours/Week: 33

Note :

- Prefix “CI” Courses will be common for both CSE and IT Dept.

Evaluation Scheme					
Theory Credit Course		Theory Audit Course		Practical / Workshop	
ME	ESE	ME	ESE	Continuous Evaluation	ESE
20 M	80 M	10 M	40 M	30 M	70 M
Minimum for Passing in Theory, Audit and Practical / Workshop : 40% Each, ME – Minor Examination , ESE – End Semester Examination and CE - Continuous Evaluation					

Swami Ramanand Teerth Marathwada University, Nanded

Teaching and Evaluation Scheme for

Second Year Program in Computer Science & Engineering and Information Technology

Semester - IV

Effective from 2016-2017

Course Code	Course Name	Teaching Scheme			Credit Structure		
		L	T	P	T	P	Total
CI208	Microprocessors & Microcontrollers	04	-	02	03	01	04
CI209	Computer Algorithms	04	-	-	03	-	03
CI210	System Programming	04	-	-	03	-	03
CI211	Object Oriented Programming with C++	03	01	02	03	01	04
CI212	Numerical Methods & Scientific Computing	03	01	02	03	01	04
CI213	Programming Lab – II	-	-	02	-	01	01
CI214	Mini Project - I	-	-	02	-	02	02
Total		18	02	10	15	06	21

Total Credits : 21

Total Contact Hours/Week: 30

Note :

- Prefix “CI” Courses will be common for both CSE and IT Dept.

Evaluation Scheme					
Theory Credit Course		Theory Audit Course		Practical / Workshop	
ME	ESE	ME	ESE	Continuous Evaluation	ESE
20 M	80 M	10 M	40 M	30 M	70 M
Minimum for Passing in Theory, Audit and Practical / Workshop : 40% Each, ME – Minor Examination, ESE – End Semester Examination and CE - Continuous Evaluation					

Note: There should be Minor-I and Minor-II tests conducted on Unit No. :- 1,2 and Unit No. :- 3,4 respectively. Finally average of two tests should be considered.

Swami Ramanand Teerth Marathwada University, Nanded

Teaching and Evaluation Scheme for

Third Year Program in Computer Science & Engineering

Semester - V

Effective from 2016-2017

Course Code	Course Name	Teaching Scheme			Credits		
		L	T	P	T	P	Total
CS301	Operating Systems	04	-	02	03	01	04
CS302	Automata Theory	03	01	-	03	-	03
CS303	Database Management Systems	04		02	03	01	04
CS304	Computer Organization and Architecture	04	-	-	03	-	03
CS30*	Elective - I	03	01	-	03	-	03
CS309	Programming Lab- III			04	-	02	02
CS310	Computer Hardware and Maintenance	-	-	02	-	02	02
Total		18	02	10	15	06	21

CS30*	Elective - I
CS305	Information Theory and Coding
CS306	JAVA Programming
CS307	Number Theory
CS308	Probability, Statistics and Combinatorics

Total Credits : 21

Total Contact Hours/Week: 30

Evaluation Scheme					
Theory Credit Course		Theory Audit Course		Practical / Workshop	
ME	ESE	ME	ESE	Continuous Evaluation	ESE
20 M	80 M	10 M	40 M	30 M	70 M
Minimum for Passing in Theory, Audit and Practical / Workshop : 40 % Each, ME – Minor Examination , ESE – End Semester Examination and CE - Continuous Evaluation					

Swami Ramanand Teerth Marathwada University, Nanded

Teaching and Evaluation Scheme for

Third Year Program in Computer Science & Engineering

Semester - VI

Effective from 2016-2017

Course Code	Course Name	Teaching Scheme			Credits		
		L	T	P	T	P	Total
CS311	Software Engineering	03	-		03		03
CS312	Compiler Design	03	01	-	03	-	03
CS313	Data Communication	04	-	02	03	01	04
CS314	UNIX Operating System	03	-	02	03	01	04
CS31*	Elective - II	03	01	02	03	01	04
CS319	Professional Aptitude and Logical Reasoning	02 AUDIT	-	-	-	-	-
CS320	Programming Lab-IV	03	-	02	-	02	02
CS321	Programming Lab-V	-	-	02	-	01	01
CS322	Seminar					01	01
Total		21	02	10	15	07	22

CS31*	Elective - II
CS315	Digital Signal Processing
CS316	Python Programming
CS317	Linear Algebra
CS318	Computer Simulation and Modeling

Total Credits : 22

Total Contact Hours/Week: 33

Evaluation Scheme					
Theory Credit Course		**Theory Audit Course**		**Practical / Workshop**	
ME	ESE	ME	ESE	Continuous Evaluation	ESE
20 M	80 M	10 M	40 M	30 M	70 M
Minimum for Passing in Theory, Audit and Practical / Workshop : 40 % Each, ME – Minor Examination , ESE – End Semester Examination and CE - Continuous Evaluation					

Note: There should be Minor-I and Minor-II tests conducted on Unit No. :- 1,2 and Unit No. :- 3,4 respectively. Finally average of two tests should be considered.

Swami Ramanand Teerth Marathwada University, Nanded

Teaching and Evaluation Scheme for
Final Year Program in Computer Science & Engineering

Semester - VII
Effective from 2017-2018

Course Code	Course	Teaching Scheme			Credits		
		L	T	P	T	P	Total
CS401	Computer Networks	04	-	02	04	01	05
CS402	Advanced Database Management Systems	04	-	02	04	01	05
CS40*	Elective – III	04	-	02	04	01	05
CS40*	Elective – IV	03	-	-	03	-	03
CS411	Behavioral Science	02 AUDIT	-	-	-	-	-
CS411	Programming Lab - VI	02	-	02	-	02	02
CS412	Project – A	-	-	04	-	03	03
CS413	Industrial Training /Internship/Reputed Certified Course/Mini Project - II	-	-	-	-	01	01
Total		19	-	12	15	09	24

Code	Elective - III
CS403	Data Mining
CS404	Embedded Systems
CS405	Computer Graphics
CS406	Image Processing

Code	Elective - IV
CS407	Software Testing and Quality Assurance
CS408	Business Intelligence
CS409	E-Commerce
CS410	Machine Learning

Total Credits : 24
Total Contact Hours/Week: 31

Evaluation Scheme					
Theory Credit Course		Theory Audit Course		Practical / Workshop	
ME	ESE	ME	ESE	Continuous Evaluation	ESE
20 M	80 M	10 M	40 M	30 M	70 M
Minimum for Passing in Theory, Audit and Practical / Workshop : 40 % Each, ME – Minor Examination , ESE – End Semester Examination and CE - Continuous Evaluation					

Swami Ramanand Teerth Marathwada University, Nanded

Teaching and Evaluation Scheme for

Final Year Program in Computer Science & Engineering

Semester - VIII

Effective from 2017-2018

Course Code	Course	Teaching Scheme			Credits		
		L	T	P	T	P	Total
CS416	Mobile Computing	04	-	02	04	01	05
CS417	Cryptography and Network Security	04	-	02	04	01	05
CS41*	Elective - V	04	-	02	04	01	05
CS41*	Elective - VI	04	-	-	03	-	04
CS412	Open Source Technology Lab	02	-	02	-	02	02
CS413	Project - B	-	-	04	-	04	03
Total		18		12	15	09	24

Code	Elective - V
CS 421	Big Data Analytics
CS 422	Distributed Systems
CS 424	Computer Vision
CS 425	Cloud Computing

Code	Elective - VI
CS 421	Cyber Security
CS 422	Multimedia Systems and Applications
CS 423	Human Computer Interaction
CS 424	Information Processing and Retrieval

Total Credits : 24

Total Contact Hours/Week: 30

Evaluation Scheme					
Theory Credit Course		Theory Audit Course		Practical / Workshop	
ME	ESE	ME	ESE	Continuous Evaluation	ESE
20 M	80 M	10 M	40 M	30 M	70 M
Minimum for Passing in Theory, Audit and Practical / Workshop : 40 % Each, ME – Minor Examination , ESE – End Semester Examination and CE - Continuous Evaluation					

Note: There should be Minor-I and Minor-II tests conducted on Unit No. :- 1,2 and Unit No. :- 3,4 respectively. Finally average of two should be considered.