NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Guntur Dist. A.P.

Sponsored by Gayatri Educational Development Society, Narasaraopet.

Approved by AICTE & Permanently Affiliated to Jawaharlal Nehru Technological University. Code : 47

Twice Accredited by NBA (CSE & ECE) & Accredited by NAAC "A" Grade - ISO 9001 : 2015 Certified Institution.

Ph: 08647-239903 & 08647-239902 (Fax)   Visit us at : www.nrtec.in   E-mail : principal@nrtec.in

LIST OF NEW COURSES (2020-21)

Advanced Communication	19BCC6MC01	Employability
Communicative English -I	19BCC1TH01	Employability
Linear Algebra & Calculus	19BCC1TH03	Employability
Problem Solving with Python Lab	19BCC1TH05	Skill development
BEE&E Lab	19BCC2LB02	Skill development
Elements of Electrical & Electronics Engineering Lab	19BCC2LB02	Skill development
Constitution of INDIA(MC)	19BCC2MC01	Employability
Constitution of INDIA(MC)	19BCC2MC01	Employability
Differential Equations & Vector Calculus	19BCC2TH02	Employability
Basic Electrical & Electronics Engineering	19BCC2TH14	Employability
Elements of Electrical & Electronics Engineering	19BCC2TH14	Employability
Community Service	19BCC3MC02	Employability
Numerical Methods & Transformations	19BCC3TH01	Employability
Business Management Concepts For Engineers	19BCC3TH01	Employability
English Communication Skills Laboratory - II	19BCC4LB01	Skill development
Environmental Studies (MC)	R16CC1109	Employability
Verbal Ability	R16CC22MNC2	Employability
Advanced Communication Skills	R16CC31MNC1	Employability
Sports and Games	R16CC31MNC3	Employability
Sports And Games (Mandatory Non Credit Course)	R16CC31MNC3	Employability
Quantitative Aptitude And Reasoning-II	R16CC32MNC1	Employability
Elements of Mechanical Engineering	R16CC32OE1	Employability
Nanotechnology	R16CC32OE13	Employability
Work Study	R16CC32OE14	Employability
Material Science	R16CC32OE2	Employability
Robotics	R16CC41OE14	Employability
Problem Solving Using C	R20CC1105	Employability
Soft skills & Communication Skills Lab-I	R20CC11L1	Skill development
Problem Solving Using C Lab	R20CC11L2	Skill development
Engineering Physics Lab	R20CC12L5	Skill development
Elements of mechanical and Electrical and engineering lab	R20CC12L6	Skill development
Public Health Engineering	19BCE4OE02	Employability
Advanced structural analysis	R16CE3205	Employability
Alternative Building Materials & Technologies	R16CE3206	Employability
Ground Improvement Techniques	R16CE3207	Employability
Ground Water Hydrology Rural Water Supply & Sanitation	R16CE3208	Employability
Computer Applications In Civil Engineering Laboratory	R16CE32L2	Skill development
Environmental Engineering–II	R16CE4102	Employability
Construction Technology & Management	R16CE4103	Employability

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Matrix Methods Of Structural Analysis	R16CE4104	Employability
Advanced Design Of R C Structures	R16CE4105	Employability
Earth And Earth Retaining Structures	R16CE4106	Employability
Highway Geometric Design	R16CE4107	Employability
Open Channel Hydraulics	R16CE4108	Employability
Advanced Surveying	R16CE4109	Employability
Numerical Methods In Civil Engineering	R16CE4110	Employability
Theory Of Elasticity	R16CE4111	Employability
Pavement Materials And Construction	R16CE4112	Employability
Air Pollution And Control	R16CE4113	Employability
Photogrammetry And Remote Sensing	R16CE4114	Employability
Advanced Design Of Steel Structures	R16CE4115	Employability
Advanced steel structures	R16CE4115	Employability
Mini Project On Planning, Analysis & Design Of G+2building	R16CE41MPW	Employability
Business Management Concepts for Engineers	R16CE4201	Employability
Pre-Stressed Concrete Structures	R16CE4202	Employability
Pre-stressed concrete	R16CE4202	Employability
Soil dynamics and foundation engineering	R16CE4203	Employability
Industrial Waste Water Treatment	R16CE4206	Employability
Pre-Fabricated Structures	R16CE4207	Employability
Design And Drawing Of Hydraulic Structures	R16CE4208	Employability
Finite Element Analysis	R16CE4209	Employability
Reinforced Earth Structures	R16CE4212	Employability
Geographic Information System	R16CE4212	Employability
Water Resources Engineering	R16CE4213	Employability
Practical Training/Intern Ship	R16CE42PTI	Employability
Elements of mechanical and Ele. And engg.	R20CE1212	Employability
elements of building science	R20CE1216	Employability
Fluid mechanics	R20CE2102	Employability
Strength of materials-I	R20CE2103	Employability
Surveying and geomatics	R20CE2104	Employability
Computer Aided Building Drafting	R20CE21L2	Employability
Computer Aided Building Drawing lab	R20CE21L2	Skill development
building materials and construction technology lab	R20CE21SC1	Skill development
Advanced Structural Analysis	R20CE2202	Employability
advanced surveying	R20CE22SC1	Employability
Elements of mechanical and Ele. And engg.	R20CE1212	Employability
elements of building science	R20CE1216	Employability
Fluid mechanics	R20CE2102	Employability
Strength of materials-I	R20CE2103	Employability
Surveying and geomatics	R20CE2104	Employability
Computer Aided Building Drafting	R20CE21L2	Employability
Computer Aided Building Drawing lab	R20CE21L2	Skill development
Soft Computing Techniques	R16EE4201	Employability
Fluid Mechanics & Hydraulic Machinery Lab	19BME3LB01	Skill development

Fluid Mechanics & Hydraulic Machinery	19BME3TH02	Employability
Hydraulic Machinery & Pneumatic Systems	19BME3TH02	Employability
Manufacturing Technology Lab	19BME4LB03	Skill development
Kinematics of Machinery	19BME4TH01	Employability
Applied Thermo Dynamics Lab	19BME4TH04	Skill development
Applied Thermodynamics	19BME4TH04	Employability
Applied Thermodynamics Lab	19BME4TH04	Skill development
Heat Power Engineering	R16ME3102	Employability
Machine Dynamics & Vibrations	R16ME3103	Employability
Operations Research	R16ME3105	Employability
Heat Power Engineering Lab	R16ME31L1	Skill development
Machine Tools & Machine Dynamics lab	R16ME31L2	Skill development
Heat Transfer	R16ME3203	Employability
Gas Turbines and Jet Propulsion	R16ME3205	Employability
Gas Turbines and Jet Propulsion	R16ME3205	Employability
Fracture Mechanics	R16ME3206	Employability
Fracture Mechanics	R16ME3206	Employability
Jigs, Fixtures& Press Tool Design	R16ME3207	Employability
Jigs, Fixtures& Press Tool Design	R16ME3207	Employability
Industrial Engineering and Cost Estimation	R16ME3208	Employability
Industrial Engineering and Cost Estimation	R16ME3208	Employability
Heat Transfer Lab.	R16ME32L1	Skill development
Power Plant Engineering	R16ME4104	Employability
Production planning & Control	R16ME4104	Employability
Power Plant Engineering	R16ME4104	Employability
Tribology and Bearing Design	R16ME4105	Employability
Tribology and Bearing Design	R16ME4105	Employability
Advanced Tool Design	R16ME4106	Employability
Advanced Tool Design	R16ME4106	Employability
Facility Layout and Material Handling	R16ME4107	Employability
Facility Layout and Material Handling	R16ME4107	Employability
Computational Fluid Dynamics	R16ME4108	Employability
Computational Fluid Dynamics	R16ME4108	Employability
Rapid Prototyping	R16ME4109	Employability
Rapid Prototyping	R16ME4109	Employability
Advanced Mechanics of Solids	R16ME4110	Employability
Advanced Mechanics of Solids	R16ME4110	Employability
Production planning & Control	R16ME4111	Employability
Mechatronics	R16ME4201	Employability
Mechatronics	R16ME4201	Employability
Refrigeration & AirConditioning	R16ME4202	Employability
Refrigeration and Air Conditioning	R16ME4202	Employability
Refrigeration & Air Conditioning	R16ME4202	Employability
Condition Monitoring	R16ME4203	Employability
Condition Monitoring	R16ME4203	Employability

Powder Metallurgy	R16ME4204	Employability
Powder Metallurgy	R16ME4204	Employability
Quality and Reliability Engineering	R16ME4205	Employability
Quality and Reliability Engineering	R16ME4205	Employability
Alternate Sources of Energy	R16ME4206	Employability
Alternate Sources of Energy	R16ME4206	Employability
Experimental Stress Analysis	R16ME4207	Employability
Experimental Stress Analysis	R16ME4207	Employability
Operations Planning and Control	R16ME4209	Employability
Operations Planning and Control	R16ME4209	Employability
VLSI Technology and Design	R16MEC102	Employability
Problem Solving using Python	R20ME1106	Employability
VLSI Technology and Design	R16MEC102	Employability
Data Science with R Programming LAB	19MCS2LB01	Skill development
Geometric Modelling	R16MCS207	Employability
Community Services (MC)	19MBA3MC01	Entrepreneurship
Complex Variables, Probability & Statistics	R16MCA104	Employability
Quantitative Aptitude and Reasoning	R16MCA2MNC	Employability
Software Testing Lab	R16MCA5L3	Skill development
Advanced pre-stressed concrete	19MSE1PE14	Employability
Building information modeling	19MSE1PE21	Employability
Advanced concrete technology	19MSE1PE22	Employability
Soil dynamics and foundation engineering	19MSE1PE23	Employability
Plastic structural analysis	19MSE1PE24	Employability
Advanced structural engineering	19MSE1TH04	Employability
Design of offshore structure	19MSE2PE41	Employability
Mechanics of composite materials	19MSE2PE43	Employability
Research Methodology	19MSE2TH01	Employability
Research methodology	19MSE2TH01	Employability
Theory of elasticity	R16MSE102	Employability
Matrix analysis of structural	R16MSE103	Employability
Masonry structures	R16MSE106	Employability
Repair and rehabilitation of structures	R16MSE107	Employability
Design of industrial structures	R16MSE109	Employability
Special concrete	R16MSE110	Employability
Advanced Foundation Engineering.	R16MSE111	Employability
Advanced structural engineering laboratory	R16MSE1L1	Skill development
Earthquake resistant design	R16MSE202	Employability
Stability of structures	R16MSE203	Employability
Theory of plates and shells	R16MSE204	Employability
Advanced reinforced concrete design	R16MSE205	Employability
Design of concrete bridges	R16MSE206	Employability
Geotechnical earthquake engineering	R16MSE207	Employability
Plastic analysis and design	R16MSE210	Employability
Mechanics of composite materials	R16MSE211	Employability

Alternative building materials	R16MSE212	Employability
CAD lab	R16MSE2L1	Skill development
High Speed Networks	19MDS2TH11	Employability
Embedded Networking	19MDS2TH14	Employability
Transform Techniques	R16MDE106	Employability
EMI / EMC	R16MDE108	Employability
Statistical Signal Processing	R16MDE111	Employability
Data Communication and Networks	R16MDE212	Employability
Embedded Real Time Operating Systems	R16MDS206	Employability
System On Chip Design	R16MDS207	Employability
Solid State Device Modeling and Simulation	R16MDS209	Employability
Mobile Computing Technologies	R16MDS210	Employability
Internet Protocols	R16MDS211	Employability
Research Methodology and IPR	19MTE1TH01	Employability
Finite element method	R16MTE108	Employability

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LIST OF NEW COURSES (2019-20)

Course	Code	Category
Linear Algebra & Calculus	19BCC1TH03	Employability
Problem Solving with PYTHON	19BCC1TH05	Employability
PYTHON Lab	19BCC1LB03	Skill development
Environmental Studies (MC)	19BCC1MC01	Employability
Communicative English -II	19BCC2TH01	Employability
Differential Equations & Vector Calculus	19BCC2TH02	Employability
Constitution of INDIA(MC)	19BCC1MC02	Employability
Complex Variables, Probability & Statistics	19BCC4TH01	Employability
English Communication Skills Laboratory - II	19BCC4LB01	Skill development
Community Services (MC)	19BCC4MC01	Employability
Sports And Games	R16CC31MNC3	Employability
Quantitative Aptitude And Reasoning-II	R16CC21MNC2	Employability
Programming with C	R16CC1104	Employability
Professional Ethics, Values & Patents	R16CC1106	Employability
Basic Communication Skills Lab	R16CC11L1	Skill development
Computer Programming Lab	R16CC11L4	Skill development
Interactive English	R16CC1201	Employability
Integral Transforms & Vector Calculus	R16CC1202	Employability
Engineering Mechanics	19BCC2TH11	Employability
Environmental Studies	19BCC1MC01	Employability
Enhancing Communication Skills Lab	R16CC12L1	Skill development
Applied Physics Lab	19BCC1LB02	Skill development
Constitution of India (MC)	19BCC1MC02	Employability
Community Service	19BCC3MC02	Employability
Problem Solving with Python	19BCC1TH05	Employability
Python Lab	19BCC1LB03	Skill development
Quantitative Aptitude & Reasoning II	19BCC3MC01	Employability
Industrial Electronics	R16CC310E4	Employability
Non-Conventional Energy Resources	R16CC410E16	Employability
English Communication Skills Lab – I	19BCC4LB01	Skill development
Engineering Physics Lab	R16CC11L3	Skill development
Community Service	19BCC3MC02	Employability
Problem Solving with Python	19BCC1TH05	Employability
Python Lab	19BCC1LB03	Skill development
Principles Of Water Quality Management	R16CC31OE11	Employability
Building Services	R16CC410E12	Employability
Watershed Management	R16CC41OE22	Employability

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1

Solid And Hazardous Waste Management	R16CC410E23	Employability
Complex Variables, Probability & Statics	19BCC4TH01	Employability
Entrepreneurship And Innovation	19BCC5TH01	Employability
Problem Solving With Python	19BCC1TH05	Employability
Elements Of Electrical And Electronics Engineering	19BCC2TH14	Employability
Enhancing Communication Skill Lab-II	19BCC4LB01	Skill development
Community Services	19BCC4MC01	Employability
Massive Open Online Courses	19BCC7MOOC	Employability
Python Lab	19BCC1LB03	Skill development
Engineering Workshop Practice	19BCC1LB04	Employability
Elements Of Electrical And Electronics Engineering Lab	19BCC2LB02	Skill development
IT Workshop	19BCC2LB07	Employability
Constitution Of India	19BCC2MC01	Employability
Public Health Engineering	19BCE4OE02	Employability
Computer Aided Building Drafting	19BCE3LB01	Employability
Mini Project on surveying field work	R16CE22MPW	Employability
Advanced Structural Analysis	R16CE3205	Employability
Alternative Building Materials & Technologies	R16CE3206	Employability
Ground Improvement Techniques	R16CE3207	Employability
Rural Water Supply & Sanitation	R16CE3209	Employability
Traffic Engineering	R16CE3210	Employability
Computer Applications In Civil Engineering Laboratory	R16CE32L2	Skill development
Mini Project on surveying field work	R16CE22MPW	Employability
Mini Project – I	R16CE22MPW	Employability
Design And Drawing Of Hydraulic Structures	R16CE4208	Employability
Finite Element Analysis	R16CE4209	Employability
Reinforced Earth Structures	R16CE4210	Employability
Engineering Workshop Practice	19BCE2LB01	Employability
Soil Mechanics Lab	19BCE5LB01	Skill development
Computer Aided Building Drafting	19BCE4LB03	Employability
Mini Project	19BCE6MP	Employability
Field Work With Digital Technologies	19BCE6LB02	Employability
Earthquake Resistant Design Of Structures	19BCE8PE02	Employability
Ground Water Hydrology	19BCE6PE07	Employability
Industrial Waste Water Treatment	R16CE4206	Employability
Smart City Planning And Development	19BCE7PE08	Employability
River Hydraulics	19BCE7PE13	Employability
Construction Equipment And Automation	19BCE8PE03	Employability
Public Health Engineering	19BCE4OE12	Employability
Green Buildings & Sustainability	19BCE5OE02	Employability
Ground Water Development	19BCE6OE02	Employability
Modern Construction Materials	19BCE7OE02	Employability
Green Buildings & Sustainability	19BCE5OE02	Employability
Ground Water Development	19BCE6OE02	Employability
Modern Construction Materials	19BCE7OE02	Employability

Course	Code	Category
IT Workshop	19BEE1LB06	Employability
Basics in Mechanical and Civil Engineering Lab	19BEE1TH08	Skill development
Electronics Devices and Circuits Lab	19BEE3TH02	Skill development
Electronic Devices and Circuits Lab	R16EE21L2	Skill development
Electrical Circuit Analysis Lab	19BEE3TH03	Skill development
Electrical Machines Lab-I	19BEE4LB03	Skill development
Analog and Digital Circuits Lab	19BEE4LB04	Skill development
Electrical Machine Design	R16EE3107	Employability
Micro Electro Mechanical Systems	R16EE3108	Employability
Industrial Instrumentation	R16EE3109	Employability
Energy Audit Conservation and Management	R16EE3205	Employability
Modern Control Systems	R16EE4104	Employability
.PLC and Automation	R16EE4109	Employability
Switched Mode Power Converters	R16MEE201	Employability
MECHANICS OF SOLIDS	19BME3TH05	Employability
MACHINE DRAWING AND BASIC DESIGN ENGINEERING SOFTWARE LAB	19BME3LB01	Employability
FLUID MECHANICS AND HYDRAULIC MACHINERY LAB	19BME3LB02	Employability
MECHANICS OF SOLIDS AND METALLURGY LAB	19BME3LB03	Employability
Practical Training / Internship	R16EE42PTI	Employability
Energy Audit, Conservation & Management	R16EE3205	Employability
Electrical Circuit Analysis-I	R16EE2101	Employability
Electronic Devices and Circuits Lab	R16EE21L2	Skill development
Electrical Circuit Analysis Lab	R16EE2101	Skill development
Electrical Machines Lab-I	19BEE4LB03	Skill development
Analog and Digital Circuits Lab	19BEE4LB04	Skill development
Engineering Work Shop	19BME1LB04	Employability
.Renewable Energy Sources	R16ME4206	Employability
Switched Mode Power Converters	R16MEE201	Employability
Basic Electrical and Electronics Engineering	R16ME2101	Employability
Signals and Systems	19BEC3TH03	Employability
Data Structures Lab	R16CS21L1	Skill development
Web Technologies LAB	R16CS22L1	Skill development
Unix Programming LAB	R16CS31L3	Skill development
Cloud Computing	R16MCS209	Employability
Advanced Computer Networks	19MCS1TH05	Employability
Advanced Computer Algorithm	19BCS4TH03	Employability
Computer System engineering	19BCS4TH04	Employability
Advanced Communication Skills	R16MBA4MNC1	Employability
Verbal Ability	R16MBA1MNC	Employability
Verbal Ability	R16MBA1MNC	Employability
Advanced Communication Skills	R16MBA4MNC1	Employability
International HRM	19MBA4THH2	Entrepreneurship
Human Resource	19MBA4THH3	Employability
Probability& statistics	19MCA1TH04	Employability

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3

Quantitative Aptitude and Reasoning	R16MCA2MNC	Employability
Quantitative Aptitude and Reasoning	R16MCA2MNC	Employability
Data Structures using C	19MCA1LB01	Employability
Data Structures using C Lab	19MCA1LB01	Skill development
Quantitative Aptitude and Reasoning	R16MCA2MNC	Employability
Data Structures	19MCA1TH01	Employability
Object Oriented Analysis and	19MCA2TH02	Employability
Design LAB(UML)	R16MCA3L2	Skill development
Data Science with R Programming	R16MCA502	Employability
Software Testing Methodologies	R16MCA503	Employability
Cyber Security	R16MCA504	Employability
Human Computer Interaction	R16MCA505	Entrepreneurship
Software Project Management	R16MCA506	Employability
Artificial Intelligence & Machine Learning	R16MCA507	Employability
Building Information Modeling	19MSE1PE09	Employability

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LIST OF NEW COURSES (2018-19)

Community Service	19BCC3MC02	Employability
English Communication Skills Lab - II	19BCC1LB01	Skill development
QAR	19BCC3MC01	Employability
Matrix Algebra and Calculus	19BCC1TH03	Employability
CSE Workshop	19BCC2LB07	Employability
LINUX Programming Lab	R16CC11L4	Skill development
Environmental Studies	19BCC1MC01	Employability
MIDDLEWARE TECHNOLOGIES	R16CC41OE8	Employability
Linear Algebra & Calculus	19BCC1TH03	Employability
Constitution of INDIA	19BCC1MC02	Employability
Engineering Graphics	19BCC2TH09	Employability
Environmental Studies	19BCC2MC02	Employability
Enhancing Communication Skill Lab	R16CC12L1	Skill development
Verbal Ability	R16CC21MNC2	Employability
Quantitative Aptitude And Reasoning	R16CC22MNC1	Employability
Advanced Communication Skills	R16CC31MNC1	Employability
Sports And Games	R16CC31MNC3	Employability
Quantitative Aptitude And Reasoning-II	R16CC32MNC1	Employability
Differential Equations & Vector Calculus	19BCC2TH02	Employability
Linear Algebra & Calculus	19BCC1TH03	Employability
Constitution of India	19BCC2MC01	Employability
HEALTH INFORMATICS	19BCE4OE02	Employability
Surveying-I	R16CE2104	Employability
Business Management Concepts For Engineers	R16CE4201	Employability
Environmental Engineering-II	R16CE4102	Employability
Prestressed Concrete	R16CE4202	Employability
Construction Technology And Management	R16CE4103	Employability
Water Resources Engineering	R16CE4213	Employability
Geographic Information System	R16CE4212	Employability
Photogrammetry And Remote Sensing	R16CE4114	Employability
Suverveying Laboratory-I	R16CE21L1	Skill development
Computer Application And Civil Engineering Laboratory	R16CE32L2	Skill development
Mini Project On Planning, Analysis & Design Of G+2 Building	R16CE41MPW	Employability
Mini Project On Surveying Field Work	R16CE22MPW	Employability
Practical Training/Intern Ship	R16CE42PTI	Employability
Ground Improvement Techniques	R16CE3207	Employability
Air Pollution And Control	R16CE4113	Employability
Matrix Methods Of Structural Analysis	R16CE4104	Employability
Traffic Engineering	R16CE3210	Employability
Ground Water Hydrology	R16CE3208	Employability
Alternative Building Materials	R16CE3206	Employability

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Rural Water Supply & Sanitation	R16CE3209	Employability
Advanced Structural Analysis	R16CE3205	Employability
Advanced Design Of RC Structures	R16CE4105	Employability
Earth And Earth Retaining Structures	R16CE4106	Employability
Highway Geometric Design	R16CE4107	Employability
Open Channel Hydraulics	R16CE4108	Employability
Advanced Surveying	R16CE4109	Employability
Numerical Methods In Civil Engineering	R16CE4110	Employability
Theory Of Elasticity	R16CE4111	Employability
Pavement Materials And Construction	R16CE4112	Employability
Advanced Design Of Steel Structures	R16CE4115	Employability
Industrial Waste Water Treatment	R16CE4206	Employability
Pre-Fabricated Structures	R16CE4207	Employability
Earthquake resistant design	R16CE4205	Employability
SOFT COMPUTING	R16MEE202	Employability
HEAT POWER ENGINEERING	R16ME3102	Employability
MACHINE DYNAMICS AND VIBRATIONS	R16ME3103	Employability
PRINCIPLES OF MACHINE DESIGN	R16ME3104	Employability
GAS TURBINES AND JET PROPULSION	R16ME3205	Employability
FRACTURE MECHANICS	R16ME3206	Employability
DISTRIBUTED PROGRAMMING APPLICATIONS THROUGH JAVA	R16EC4101	Employability
Front End Web Technologies	R16CS2203	Employability
Mobile Applications Development Lab	19BCS4LB03	Skill development
Electronic Devices and Logic Design	R16CS1215	Employability
Computer Organization & Architecture	R16MCS102	Employability
Computer Communication	R16MCS105	Employability
Information security	R16MCS201	Employability
Software Engineering	19BCS4TH04	Employability
DWDM	R16MCS203	Employability
Service Oriented Architecture	R16CS4201	Employability
OS & CC Lab	R16MCS1L1	Skill development
PARALLEL ALGORITHMS	19BCS4TH03	Employability
ADVANCED UNIX PROGRAMMING LAB	R16CS31L3	Skill development
ADVANCED COMPUTER NETWORKS	19MCS1TH05	Employability
ADVANCED COMPUTER ALGORITHMS	19BCS4TH03	Employability
COMPUTER SYSTEM ENGINEERING	19BCS4TH04	Employability
Data Mining Lab	R16MCS2L2	Skill development
INFORMATION SECURITY	R16MCS201	Employability
PATTERN RECOGNITION AND IMAGE PROCESSING	R16CS4202	Employability
Data Mining and Data Warehousing	R16MCS203	Employability
Functional Programming	R16MCS204	Employability
OOAD through UML	R16CS3102	Employability
Soft Skills and Communication Skills Lab	19MBA1TH04	Skill development
Principles and Practice of Management	R16MBA101	Entrepreneurship
Managerial Economics	R16MBA102	Entrepreneurship
Accounting for Managers	R16MBA103	Entrepreneurship
Managerial Communication & Soft Skills	R16MBA104	Employability

Subject	Code	Category
Advanced Communication Skills	R16MBA4MNC1	Employability
Customer Relationship Management & CB/Event Marketing	R16MBA312M1	Entrepreneurship
Retail Marketing/ Brand Management	R16MBA314M2	Entrepreneurship
Service Marketing/Advertising Management	R16MBA415M2	Employability
Investment and Portfolio Management/Corporate Taxation	R16MBA304F1	Entrepreneurship
Banking & Insurance/Personal Financial Planning	R16MBA307F2	Employability
Financial Risk Management & Derivatives/Financial Institutions & Services	R16MBA404F1	Entrepreneurship
International Financial	R16MBA406F2	Employability
Management/ Strategic Investment and Financial Derivatives	R16MBA302	Employability
Management of IR/Employee Engagement & Retention Management	R16MBA309H1	Entrepreneurship
Compensation and Reward Management/Performance Management	R16MBA310H2	Employability
Leadership Management/Human Resource Development	R16MBA408H1	Employability
Industrial Jurisprudence & Labour Legislations/ International HRM	R16MBA410H2	Skill development
Management Theory & Organizational Behaviour	19MBA1TH01	Entrepreneurship
Economics for Managers	19MBA1TH02	Employability
Accounting for Managers	19MBA1TH03	Employability
Managerial Communication & Soft Skills	19MBA1TH04	Employability
Business Environment	19MBA1TH05	Entrepreneurship
Quantitative Analysis for Business Decisions	19MBA1TH06	Entrepreneurship
IT for Managers-I	19MBA1LB01	Employability
Financial Management	19MBA2TH01	Employability
Human Resource Management	19MBA2TH02	Employability
Marketing Management	19MBA2TH03	Entrepreneurship
Production and Operations Management	19MBA2TH04	Employability
Business Research Methodology	19MBA2TH05	Entrepreneurship
Business Laws	19MBA2TH06	Employability
IT for Managers-II	19MBA2LB01	Employability
Mini Project	19MBA2MP01	Employability
Investment and Portfolio Management	19MBA3THF1	Entrepreneurship
Corporate Taxation	19MBA3THF2	Employability
Banking & Insurance	19MBA3THF3	Entrepreneurship
Personal Financial Planning	19MBA3THF4	Employability
Financial Risk Management & Derivatives/Financial Institutions & Services	19MBA4THF1	Entrepreneurship
Financial Institutions & Services	19MBA4THF2	Employability
International Financial Management	19MBA4THF3	Entrepreneurship
Strategic Investment and Financial Decisions	19MBA4THF4	Employability
Management of IR	19MBA3THH1	Employability
Compensation and Reward Management	19MBA3THH2	Employability
Performance Management	19MBA3THH4	Employability
Employee Engagement & Retention Management	19MBA4THH1	Employability
International HRM Leadership	19MBA4THH2	Employability
Human Resource Development	19MBA4THH3	Entrepreneurship
Industrial Jurisprudence	19MBA4THH4	Employability

R Programming Lab	R16MCA5L2	Skill development
Operating Systems	19MCA2TH03	Employability
Artificial Intelligence and Machine Learning	R16MCA507	Employability
Stability of structures	R16MSE203	Employability
Theory of plates and shells	R16MSE204	Employability
Advanced structural engineering laboratory	R16MSE1L1	Employability
CAD lab	R16MSE2L1	Employability
Repair and rehabilitation of structures	R16MSE107	Employability
Plastic analysis and design	R16MSE210	Employability
Pre-stressed concrete	R16MSE108	Employability
Mechanics of composite materials	R16MSE211	Employability
Design of industrial structures	R16MSE109	Employability
Masonry structures	R16MSE106	Employability
Special concrete	R16MSE110	Employability
Soil dynamics and foundation engineering	R16MSE111	Employability
Advanced structural analysis	R16MSE112	Employability
Design of concrete bridges	R16MSE206	Employability
Geotechnical earthquake engineering	R16MSE207	Employability
Advanced reinforced concrete design	R16MSE205	Employability
Advanced steel structures	R16MSE209	Employability
Alternative building materials	R16MSE212	Employability
Design of concrete bridges	R16MSE206	Employability
ADVANCED GRAPH THEORY	R16MDE201	Employability
Wireless LANS and PANS	R16MDE214	Employability

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NARASARAOPETA ENGINEERING COLLEGE

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Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Guntur Dist. A.P.

Sponsored by Gayatri Educational Development Society, Narasaraopet.

Approved by AICTE & Permanently Affiliated to Jawaharlal Nehru Technological University. Code : 47

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LIST OF NEW COURSES (2017-18)

Verbal Ability	R16CC21MNC2	Employability
Business Management Concepts for Engineers	R16CC2201	Employability
Quantitative Aptitude & Reasoning II	R16CC21MNC1	Employability
Fundamentals of Electrical Energy	R16CC41OE3	Employability
Linear Control Theory	R16CC41OE4	Employability
Energy Audit, Conservation & Management	R16CC41OE15	Employability
Non-Conventional Energy Resources	R16CC41OE16	Employability
Internet of Things	R16CC41OE7	Employability
Business Management Concepts for Engineers	R16CC2101	Employability
Quantitative Aptitude and Reasoning – II	R16CC21MNC2	Employability
Automotive Electronics	R16CC31OE6	Employability
Medical Electronics	R16CC31OE4	Employability
Consumer Electronics	R16CC32OE18	Employability
Global Positioning System	R16CC41OE18	Employability
Design for IoT	R16CC41OE7	Employability
Front End UI & Frame Work Tools	R16CC32OE10	Employability
Web Animation and Interactivity Using Flash	R16CC41OE20	Employability
Web Services	R16CC41OE21	Employability
R Programming Lab	R16CC11L4	Skill development
Theory of elasticity	R16CE4111	Employability
Matrix analysis of structural	R16CE4104	Employability
Power Generation and Economic Aspects	R16EE2204	Employability
Renewable Energy Sources	R16EE4206	Employability
ELECTRICAL MACHINES - I	R16EE2106	Employability
Micro Electro Mechanical Systems	R16EE3108	Employability
Industrial Instrumentation	R16EE3109	Employability
Energy Audit Conservation and Management	R16EE3205	Employability
Modern Control Systems	R16EE4104	Employability
PLC and Automation	R16EE4109	Employability
Mini Project – II	R16EE41MPW	Employability
Power System Deregulation	R16EE4101	Employability
SmartGrid	R16EE4204	Employability
Introduction to Microprocessors and Microcontrollers	R16EE32L3	Employability
Switched Mode Power Converters	R16EE4205	Employability
Practical Training/ Internship	R16EE42PTI	Employability

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Adaptive Signal Processing	R16EE2206	Employability
PLC AND AUTOMATION	R16EE4109	Employability
Mini Project – I	R16ME22MPW	Employability
FLUID MECHANICS	R16ME2104	Employability
THERMODYNAMICS	R16ME2105	Employability
MACHINE DRAWING AND CAD LAB	R16ME21L1	Employability
BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LAB	R16ME21L2	Employability
MECHANICS OF SOLIDS AND METALLURGY LAB	R16ME21L3	Employability
Soft computing techniques	R16MEE202	Employability
Embedded C	R16MEC109	Employability
Antennas for wireless communication	R16MEC104	Employability
Finite element method	R16ME4101	Employability
Data Structures	R16EC2105	Employability
Signals and Systems Lab	R16EC2103	Skill development
Network Analysis	R16EC1211	Employability
Electronic Workshop & IT Workshop	R16EC11L5	Employability
Electronic Circuit Analysis	R16EC2202	Employability
Linear and Digital IC Applications Lab	R16EC31L1	Skill development
Coding Theory and Practice	R16EC3208	Employability
Digital Image Processing	R16EC3209	Employability
MOOCS	R16EC32MNC3	Employability
Satellite Communications	R16EC4105	Employability
Bio Medical Instrumentation	R16EC4107	Employability
Advanced DSP	R16EC4108	Employability
Mixed Signal Design	R16EC4109	Employability
Radar Systems	R16EC4110	Employability
Analytical Instrumentation	R16EC4112	Employability
Digital Signal Processors and Architectures	R16EC4113	Employability
Low power IC design	R16EC4202	Employability
System-On-Chip	R16EC4204	Employability
PC based Instrumentation	R16EC4205	Employability
Speech Processing	R16EC4206	Employability
FPGA Design	R16EC4207	Employability
Software Defined Radio	R16EC4208	Employability
Distributed Computing	R16EC4209	Employability
Data Acquisition and Transmission	R16EC4210	Employability
Embedded System Design	R16EC4211	Employability
Principles of Signals, Systems & Communications	R16EC2103	Employability
Data Structures Lab	R16CS21L1	Skill development
IOT Lab	R16CS41L2	Skill development
Cloud Computing	R16MCS209	Employability
OOAD through UML	R16CS3102	Employability
Operating Systems & Compiler Design Lab	R16CS31L1	Skill development

UML Lab	R16CS31L2	Skill development
Network & Unix Programming Lab	R16CS31L3	Skill development
Software Development Methodology	R16CS3206	Employability
Wireless Networks & Mobile Computing	R16CS3207	Employability
Dot Net Technologies	R16CS3208	Employability
Data Mining Lab	R16MCS2L2	Skill development
Big Data Analytics	R16MCS208	Employability
Business Intelligence	R16CS4104	Employability
Software Testing Methodology	R16CS4105	Employability
Operating Systems & Compiler Design Lab	R16CS31L1	Skill development
UML Lab	R16CS31L2	Skill development
Network & Unix Programming Lab	R16CS31L3	Skill development
Software Development Methodology	R16CS3206	Employability
Wireless Networks & Mobile Computing	R16CS3207	Employability
Dot Net Technologies	R16CS3208	Employability
Data Mining Lab	R16MCS2L2	Skill development
Big Data Analytics	R16MCS208	Employability
Business Intelligence	R16CS4104	Employability
Software Testing Methodology	R16CS4105	Employability
Machine Learning	R16CS4108	Employability
Software Process and Project Management	R16CS4109	Employability
Mobile Ad-hoc and Sensor Networks	R16CS4110	Employability
Programming with Ruby	R16CS4111	Employability
Mobile Application Development Lab	R16CS41L1	Skill development
Big Data Analytics Lab	R16CS41L3	Skill development
Service Oriented Architecture	R16CS4201	Employability
Software Quality Assurance & Testing	R16CS4203	Employability
Next Generation Networks	R16CS4203	Employability
Database Management Systems	R16MCS103	Employability
Cloud Computing	R16MCS209	Employability
LINUX Programming Lab	R16CS31L3	Skill development
CSE Workshop	R16CS11L6	Employability
Quantitative Aptitude and Reasoning-I	R16MBA3MNC1	Employability
Advanced Communication Skills	R16MBA4MNC1	Entrepreneurship
Advanced Communication Skills	R16MBA4MNC1	Employability
Computer Networks	R16MCA401	Employability
Cyber Security	R16MCA504	Employability
E-Commerce	R16MCA408	Employability
Internet of Things	R16MCA407	Employability
Distributed Operating Systems	R16MCA405	Employability
Internet of Things	R16MCA407	Employability
Distributed Operating Systems	R16MCA405	Employability
Artificial Intelligence	R16MCA507	Employability
Web Technologies	R16MCA304	Employability
OOPS through JAVA	R16MCA202	Employability
Computer Networks	R16MCA202	Employability

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Advanced Computer Architecture	R16MDS106	Employability
Digital IC design	R16MDS107	Employability
Network Security and Cryptography	R16MDS108	Employability
Wireless Sensor Networks	R16MDS201	Employability
System modeling and simulation	R16MDS111	Employability
Digital design using HDL	R16MDS105	Employability
Radar Signal Processing	R16MDE113	Employability
RF Circuit Design	R16MDE208	Employability
Advanced Digital System Design	R16MDS113	Employability
Coding Theory & Applications	R16MDE201	Employability
Image and Video processing	R16MDE206	Employability
Advanced Computer Architecture	R16MDS106	Employability
High Speed Networks	R16MDS212	Employability
Advanced Computer Architecture	R16MDS106	Employability
High Speed Networks	R16MDS212	Employability
Pattern Recognition	R16MDS114	Employability

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LIST OF NEW COURSES (2016-17)

Name of the Course	Course Code	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development
Programming with C	R16CC1104	Employability
Professional Ethics, Values & Patents	R16CC1106	Employability
Basic Communication Skills Lab	R16CC11L1	Skill development
Computer Programming Lab	R16CC11L4	Skill development
Interactive English	R16CC1201	Employability
Integral Transforms & Vector Calculus	R16CC1202	Employability
Engineering Mechanics	R16CC1206	Employability
Environmental Studies	R16CC1205	Employability
Enhancing Communication Skills Lab	R16CC12L1	Skill development
Engineering Work Shop	R16CC12L4	Employability
Engineering Graphics	R16CC1107	Employability
English Communication Skills Lab – I	R16CC12L1	Skill development
Environmental Studies	R16CC1205	Employability
Engineering Mathematics	R16CC1102	Employability
Engineering Chemistry	R16CC1105	Employability
Engineering Physics	R16CC1203	Employability
Engineering Graphics	R16CC1107	Employability
English Communication Skills Lab – I	R16CC11L1	Skill development
Environmental Studies	R16CC1109	Employability
Verbal Ability	R16CC1205	Employability
Sports & Games / NSS	R16MBA2MNC2	Employability
CMOS Analog and Digital IC Design	R16MEC202	Employability
Wireless LANS and PANS	R16MEC203	Employability
Power Quality	R16MEE205	Employability
Power System Stability	R16EE3201	Employability
Custom Power Devices	R16MEE208	Employability
Energy conservation and management	R16MTE205	Employability
Cryogenic engineering	R16MTE210	Employability
Aircraft and space propulsion	R16MTE209	Employability
Experimental stress analysis	R16MMD203	Employability
Fracture mechanics	R16MMD204	Employability
Advanced optimization techniques	R16MMD206	Employability
Condition monitoring	R16MMD208	Employability
Industrial robotics	R16MMD210	Employability

1

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Condition monitoring	R16MMD208	Employability
Industrial robotics	R16MMD210	Employability
Earthquake resistant design	R16MSE202	Employability
Geotechnical earthquake engineering	R16MSE205	Employability
Advanced reinforced concrete design	R16MSE208	Employability
Verbal Ability	R16MBA1MNC	Entrepreneurship
Sports & Games / NSS	R16MBA2MNC2	Entrepreneurship
English Communication Skills Lab - II	R16CC12L1	Skill development
Data Base Management Systems Lab	R16MCS103	Skill development
QAR	R16MCA2MNC	Employability
Business Environment	R16MBA105	Entrepreneurship
Quantitative Analysis for Business decision	R16MBA106	Entrepreneurship
Business Decision	R16MBA106	Entrepreneurship
IT-Workshop	R16MBA1L1	Entrepreneurship
Verbal Ability (MC)	R16MBA1MNC	Entrepreneurship
Financial Management	R16MCA105	Employability
Human Resource	R16MBA202	Entrepreneurship
Marketing Management	R16MBA203	Entrepreneurship
Production and Operations	R16MBA204	Entrepreneurship
Management	R16MBA204	Entrepreneurship
Organisational Behaviour	R16MBA205	Entrepreneurship
E-Business (ERP & e- commerce)	R16MBA206	Entrepreneurship
Business Lab	R16MBA2L1	Skill development
Quantitative Aptitude &Reasoning-I	R16MCA2MNC	Entrepreneurship
Sports (MC)	R16MBA2MNC2	Entrepreneurship
Corporate Laws	R16MBA301	Entrepreneurship
Strategic Management	R16MBA302	Entrepreneurship
Business Research Methodology	R16MBA303	Entrepreneurship
Quantitative Aptitude & Reasoning- II	R16MCA2MNC	Employability
Cost & Management Accounting	R16MBA309H1	Employability
C Programming & Data Structures Computer Organization	R16MCA101	Entrepreneurship
Mathematical Foundations of Computer Science	R16MCA103	Entrepreneurship
Probability and Statistical Applications	R16CE2101	Employability
Accounts and Financial Management	R16MCA105	Entrepreneurship
Verbal Ability	R16MCA1MNC	Employability
C Programming & Data Structures Lab	R16MCA101	Skill development
Information Technology Workshop	R16MCA1L1	Employability
Database Management System	R16MCS103	Employability
OOPs Through Java	R16MCA202	Employability
Operating Systems	R16MCA203	Employability
Optimization Techniques	R16MCA204	Employability
Organisational Structure and Personnel Management	R16MCA205	Employability
Quantitative Aptitude and Reasoning	R16MCA2MNC	Employability

Database Management System Lab	R16MCS103	Skill development
OOPs Through Java LAB	R16MCA2L2	Skill development
Software Engineering	R16MCS202	Entrepreneurship
Object Oriented Analysis and Design	R16MCA302	Employability
Design and Analysis of Algorithms	R16MCA303	Entrepreneurship
Web Technologies	R16MCA304	Employability
Human values & Professional ethics	R16MCA3MNC	Employability

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