



# GOA UNIVERSITY

Sub. P.O. Goa University, Taleigao Plateau, Goa - 403 206

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No.: GU/Exam(Prof)/B.E/2021/01

Date: 07/02/2022

**Revised Programme of the B.E (Civil, Electronics & Telecommunication/Electronics Comm Engg. Electrical & Electronics, and Information Technology) Semester- VII (Revised 2016-17 Course) Examinations to be held in February/March, 2022.**

**Time: 09.30 a.m. to 12.30 p.m.**

Day & Date	B.E (Civil)	B.E. (Electronics & TC)/Electronics Comm Engg)	B.E. (Electrical & Electronics)	B.E ( Information Technology)
<b>THURSDAY</b> 17/02/2022	Design of Concrete Structures - III	Microwave Engineering	Switchgear and Protection	Image Processing
<b>MONDAY</b> 21/02/2022	Environmental Engineering - II	Introduction to Soft Computing	Advanced Drives and Control	Principles of Compilers
<b>THURSDAY</b> 24/02/2022	Estimation , Costing and Valuation	Mobile Communication	VLSI Circuit Design	Mobile Computing
<b>MONDAY</b> 28/02/2022	<b>Elective-I</b> ( 1 ) Environmental Pollution and Control (2) Finite Element Method ( 3 ) Occupational Safety and Health Acts (4) Advances in Concrete Technology (5) Reinforced Earth Structures	<b>Elective-I</b> ( 1 ) Digital VLSI (2) Image Processing ( 3 ) Technical Writing and Professional Ethics (4) Introduction to Robotics (5) Introduction to GPU Computing (6) Computer Networks (7) Introduction to Device Drivers (8) Virtual Instrumentation (9) Wavelets & Multivariant DSP (10) Electronic Material Science (11) Microwave Networks and Applications (12) Distributed Operating Systems (13) Introduction to Java	<b>Elective-I</b> ( 1 ) Power System Planning and Reliability (2) HVDC Transmission ( 3 ) Smart Grid (4) Operations Research (5) Electrical Design Estimation and Costing	<b>Elective-I</b> ( 1 ) Embedded System Design (2) Genetic Algorithms ( 3 ) Bio Informatics (4) Electronic Commerce
<b>THURSDAY</b> 03/03/2022	<b>Elective-II</b> (1) Applied Engineering Geology (2) Disaster Management (3) Traffic Engineering (4) Structural Dynamics (5) Structural Design of Foundations	<b>Elective-II</b> ( 1 ) Analog VLSI (2) Adaptive Signal Processing ( 3 ) Numerical Methods and Approximation (4) Advanced Control Systems (5) Introduction to MEMS (6) Process Control Instrumentation (7) Secure Communications (8) Introduction to ARM Architecture (9) Electronic Circuits: Design, Simulation and Testing (10) Artificial Neural Network (11) Introduction to RF Design (12) Introduction to Databases (13) Power Electronics	<b>Elective-II</b> ( 1 ) Fuzzy Logic and Neural Networks (2) Data Communication & Networking ( 3 ) Image Processing (4) Statistics and Probability ( 5 ) Advanced Controllers	<b>Elective-II</b> ( 1 ) Geographical Information System (2) Computer Forensic ( 3 ) Digital Signal Processing (4) IT Business Methodology

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*W. Souza*  
f CONTROLLER OF EXAMINATIONS



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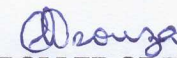
Date: 07/02/2022

**Revised Programme of the B.E (Mechanical, Computer and Mining) Semester- VII (Revised 2016-17 Course)****Examinations to be held in February/March, 2022.****Time: 02.00 p.m. to 05.00 p.m.**

Day & Date	B.E. ( Mechanical)	B.E (Computer)	B.E. (Mining )
<b>THURSDAY</b> <b>17/02/2022</b>	Heat and Mass Transfer	Compiler Construction	Mine Environment –II
<b>MONDAY</b> <b>21/02/2022</b>	Industrial Engineering and Operations Management	Data Mining	Mine Disaster Management
<b>THURSDAY</b> <b>24/02/2022</b>	CAD and FEA	Image Processing	Mine Safety and Legislation
<b>MONDAY</b> <b>28/02/2022</b>	<b>Elective-I</b> ( 1 ) Advance Mechanics of Solids (2) Advanced Analysis and Synthesis of Mechanism ( 3 ) Vibration and Noise Control (4) Alternate Energy Sources (5) Power Plant Engineering ( 6 ) Design of Heat Exchangers (7) Modern Manufacturing Practices (8) Tool Engineering	<b>Elective-I</b> ( 1 ) VLSI Design (2) Data Compression (3) Fuzzy Logic & Neural Networks (4) Web Technologies (5) Cloud Computing	<b>Elective-I</b> ( 1 ) Rock Fragmentation Engineering (2) Underground Space Technology ( 3 ) Petroleum Engineering (4) Coal Bed Methane
<b>THURSDAY</b> <b>03/03/2022</b>	<b>Elective-II</b> ( 1 ) Six Sigma Management (2) Management Information System ( 3 ) System Modelling and Simulation (4) Applied Operations Research (5) Industrial Safety and Environment (6) Industrial Automation and Process Control ( 7)Micro Electro Mechanical Systems (8) Competitive Manufacturing Management	<b>Elective-II</b> ( 1 ) Big Data Analytics (2) Geographical Information Systems ( 3 ) Design Pattern & Framework (4) Project Management and Quality Assurance (5) Entrepreneurship Development	<b>Elective-II</b> ( 1 ) Bulk Material Handling (2) Optimisation Technique in Mineral Industry (3) Computer Applications in Mining (4) Advanced Surface Mining

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No.: GU/Exam(Prof)/B.E/2021/01

Date: 07/02/2022

**Revised Programme of the B.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg. Computer, Electrical & Electronics, Information Technology and Mining) Semester- VIII (Revised 2016-17 Course) Examinations to be held in February, 2022.**

**Time: 02.00 p.m. to 05.00 p.m.**

Day & Date	B.E (Civil)	B.E. ( Mechanical)	B.E. (Electronics & TC)/Electronics Comm Engg)	B.E (Computer)	B.E. (Electrical & Electronics)	B.E ( Information Technology)	B.E. (Mining )
<b>WEDNESDAY</b> 16/02/2022	Irrigation and Water Resources Engineering	Computer Integrated Manufacturing Systems	Information Theory and Coding Introduction to Java (AITD)	Distributed Operating Systems	Flexible AC Transmission System	Distributed System	Mine Planning and Design
<b>SATURDAY</b> 19/02/2022	Construction Machinery and Project Management	Refrigeration and Air – Conditioning	Advanced Communication	Network Security	PLC and its Applications	Computer Cryptography and Network Security	Mine Environmental Management
<b>TUESDAY</b> 22/02/2022	<b>Elective-III</b> ( 1 ) Industrial and Municipal Waste Management (2) Advanced Structural Analysis ( 3 ) Ground Improvement Techniques (4) Design of Earthquake Resistance Structures (5) Advanced Materials and Construction Techniques	<b>Elective-III</b> ( 1 ) Finite Element Method in Engineering (2) Tribology ( 3 ) Product Design and Development (4) Cryogenics (5) Energy Audit and Management ( 6 ) Computational Fluid Dynamics (7) Nanotechnology (8) Fibre Reinforced Composites	<b>Elective-III</b> ( 1 ) Testing and Fault Tolerance (2) E - Commerce ( 3 ) Speech Processing (4) Entrepreneurship (5) Mobile Robotics (6) Advanced Computer Networks (7) Motors and Drives (8) Wireless Communication (9) Audio and Video Engineering (10) Mobile Computing (11) Nanoelectronics (12) Biomedical Electronics and Instrumentation (13) Introduction to Artificial Intelligence (14) Error Control Coding	<b>Elective-III</b> ( 1 ) Operation Research (2) Multimedia Systems (3) Bio Informatics (4) Storage Area Networks (5) Web Services	<b>Elective-III</b> ( 1 ) Illumination Engineering (2) Energy Auditing ( 3 ) Micro Grid and Distributed Generation (4) Power System Operation and Control (5) Power Quality (6) High Voltage Engineering	<b>Elective-III</b> ( 1 ) Web Services (2) Natural Language Processing ( 3 ) Fuzzy Logic and Neural Networks (4) Advanced Data Structures and Algorithms	<b>Elective-III</b> ( 1 ) Rock Slope Engineering (2) Geostatistics ( 3 ) Small Scale Mining and Ocean Mining (4) Geodetic Surveying
<b>FRIDAY</b> 25/02/2022	<b>Elective-IV</b> (1) Advanced Pre- stressed Concrete (2) Green Building Design (3) Repairs and Rehabilitations of Structures (4) Pavement Design (5) Design of Reinforced Concrete Bridges	<b>Elective-IV</b> ( 1 ) Supply Chain Management (2) Corporate Finance ( 3 ) Entrepreneurship Development (4) Advanced Optimization (5) Maintenance Engineering and Management (6) Fluid Power Control ( 7 ) Industrial Robotics (8) Control System Engineering	<b>Elective-IV</b> ( 1 ) System on Chip (2) Mobile Phone Programming ( 3 ) Wavelets and Multirate Digital Signal Processing (4) Advanced Mobile Networks (5) Underwater Robotics (6) Radar System Engineering (7) Optical Networking (8) Wireless Sensor Networks (9) Consumer Electronics (10) Electromagnetic Interference/Electromagnetic Compatibility (11) Introduction to Deep Neural Networks (12) Medical Imaging (13) Statistical Theory of Communication	<b>Elective-IV</b> ( 1 ) Genetic Algorithms (2) Real Time Systems ( 3 ) Mobile Computing (4) Machine Learning (5) Digital Signal Processing	<b>Elective-IV</b> ( 1 ) Digital System Design using HDL (2) Biomedical Instrumentation ( 3 ) Wireless Sensor Network (4) Advanced Control Systems ( 5 ) Switch Mode Power Converters (6) Entrepreneurship Development	<b>Elective-IV</b> ( 1 ) VLSI Design (2) Cloud Computing ( 3 ) Advanced Computer Architecture (5) Storage Area Networks	<b>Elective-IV</b> ( 1 ) Entrepreneurship Development (2) Exploration Geology ( 3 ) Computer Programming (OOPS) in C++ (4) Rock Excavation Engineering

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*Dr. Anura*  
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