



# VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY BURLA, ODISHA

ବୀର ସୁରେନ୍ଦ୍ର ସାଏ ବୈଷୟିକ ବିଶ୍ୱବିଦ୍ୟାଳୟ

(A UGC Recognized State Government University by an Act of Assembly, Estd. -1956)

Siddhi Vihar, Burla, Sambalpur -768018

No. VSSUT/Exam/ 3791 /2024

Date: 12.02.2024

The Regular **Mid Semester Examinations** for all even semesters (2<sup>nd</sup> / 4<sup>th</sup> / 6<sup>th</sup> / 8<sup>th</sup> / 10<sup>th</sup>) of all B.Tech./ DD/ B.Arch./ MCA/M.SC/INT. MSC./M.TECH and Ph.D Course Work courses for the Academic Session 2023-24 will be commenced from dt.29.02.2024.

The detailed Program including Date, Day, Time, Courses, Semester and Subjects are given as follows. Students are advised to go through the examinations schedule and report any discrepancy to the Examination Section on or before 16.02.2024 by 1:00 PM.

## PROGRAMME FOR 2<sup>ND</sup> SEMESTER (B.Tech)

DATE & TIME	DAY	SUBJECT(S)
01.03.2024 (9.00 AM – 10.30 AM)	Friday	1) Mathematics-II (All Sections)
02.03.2024 (9.00 AM – 10.30 AM)	Saturday	1) C & Data Structures (Sec. A,B,C,K,L,M & N) 2) Engineering Mechanics (Sec. D,E,F,G,H,I & J)
04.03.2024 (9.00 AM – 10.30 AM)	Monday	1) Engineering Physics (Sec. A,B,C,K,L,M & N) 2) Chemistry (Sec. D,E,F,G,H,I & J)
06.03.2024 (9.00 AM – 10.30 AM)	Wednesday	1) English for Technical Writing (Sec. A,B,C,K,L,M & N) 2) Universal Human Values (Sec. D,E,F,G,H,I & J)
07.03.2024 (9.00 AM – 10.30 AM)	Thursday	1) Basic Manufacturing Processes (Sec. A,B,C,K,L,M & N) 2) Basics Civil Engineering (Sec. D,E,F,G,H,I & J)
09.03.2024 (9.00 AM – 10.30 AM)	Saturday	1) Basic Electrical Engineering (Sec. A,B,C,K,L,M & N) 2) Basic Electronics (Sec. D,E,F,G,H,I & J)

## 4<sup>TH</sup> SEMESTER (B. Tech.)

DATE & TIME	DAY	SUBJECT(S)
02.03.2024 (11.00 AM – 12.30 PM)	Saturday	1) Mathematics-IV ( CH, EE, EEE, ME, MME, PE) 2) Structural Analysis-I (CE) 3) Digital System Design (ETC) 4) Design and Analysis of Algorithms (CSE) 5) Discrete Mathematics (IT)
04.03.2024 (11.00 AM – 12.30 PM)	Monday	1) Economics for Engineers (CE, EE, EEE, ME) 2) Organizational Behaviour ( CH, CSE, ETC, IT, MME,PE)



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06.03.2024 (11.00 AM – 12.30 PM)	Wednesday	<ol style="list-style-type: none"><li>1) Mechanical Operation (CH)</li><li>2) Surveying and Geomatics (CE)</li><li>3) Computer Organization (CSE)</li><li>4) Electrical Machines-II (EEE)</li><li>5) Electrical Machines- II (EE)</li><li>6) Principles of Analog &amp; Digital Communication (ETC)</li><li>7) Data Communication and Computer Networks (IT)</li><li>8) Materials Engineering (ME)</li><li>9) Unit Processes &amp; Principles of Metal Extraction (MME)</li><li>10) Strength of Materials(PE)</li></ol>
07.03.2024 (11.00 AM – 12.30 PM)	Thursday	<ol style="list-style-type: none"><li>1) Fuel and Combustion (CH)</li><li>2) Geotechnical Engineering-I (CE)</li><li>3) Theory of Computation (CSE)</li><li>4) Measurement and Instrumentation (EEE)</li><li>5) Electrical Power Generation Systems (EE)</li><li>6) Advanced Electronics Circuit (ETC)</li><li>7) Computer Organization and Architecture (IT)</li><li>8) Machine Dynamics-I(ME)</li><li>9) Mineral Processing (MME)</li><li>10) Theory of Machine (PE)</li></ol>
09.03.2024 (11.00 AM – 12.30 PM)	Saturday	<ol style="list-style-type: none"><li>1) Chemical Engineering Thermodynamics (CH)</li><li>2) Fluid Mechanics (CE)</li><li>3) Graph Theory (CSE)</li><li>4) Signals and Systems-I (EEE)</li><li>5) Analog and Digital Electronics Circuits (EE)</li><li>6) EMFT &amp; Transmission Lines (ETC)</li><li>7) Database Engineering (IT)</li><li>8) Fundamentals of Fluid Mechanics (ME)</li><li>9) Phase Transformation (MME)</li><li>10) Theory of Metal Cutting (PE)</li></ol>



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## 6<sup>TH</sup> SEMESTER (B.Tech. )

DATE & TIME	DAY	SUBJECT(S)
29.02.2024 (03.00 PM – 4.30 PM)	Thursday	1) Process Dynamics & Control (CH) 2) Transportation Engineering- I (CE) 3) Computer Networks (CSE) 4) Industrial Automation and Control (EEE) 5) Switchgear and Protection (EE) 6) Microwave Engineering (ETC) 7) Compiler Design (IT) 8) Internal Combustion Engine & Gas Turbine (ME) 9) Steel Making (MME) 10) Theory of Metal Forming (PE)
01.03.2024 (3.00 PM – 4.30 PM)	Friday	1) Mass Transfer – II (CH) 2) Steel Structures (CE) 3) Software Engineering (CSE) 4) Communication Systems- II (EEE) 5) Microprocessor and Microcontroller (EE) 6) Wireless and Mobile Communication (ETC) 7) Software Engineering (IT) 8) Machine Design-II (ME) 9) Casting Processes & Solidification (MME) 10) Manufacturing Design of Composites (PE) 11) Fluid Mechanics & Fluid Power Engineering (PE)
04.03.2024 (3.00 PM – 4.30 PM)	Monday	1) Process Equipment Design (CH) 2) Water Resources Engineering(CE) 3) Mechanics of Composite of Materials (CE) 4) Machine Learning (CSE) 5) Control System Engineering (EEE) 6) Control System- II (EE) 7) Electronic Instrument and Measurement (ETC) 8) Computer Graphics and Multimedia (IT) 9) Heat Transfer (ME) 10) Welding Technology (MME) 11) Principle of Machine Tools (PE)



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<p>06.03.2024 (3.00 PM – 4.30 PM)</p>	<p>Wednesday</p>	<ol style="list-style-type: none"> <li>1) Transport Phenomena (CH)</li> <li>2) Hydraulic Structure (CE)</li> <li>3) Urban Drainage &amp; Sewerage System (CE)</li> <li>4) Cloud Computing (CSE)</li> <li>5) Power System- II (EEE)</li> <li>6) Electric Drives and Traction (EE)</li> <li>7) Digital Image Processing (ETC)</li> <li>8) Soft Computing (IT)</li> <li>9) Industrial Engineering &amp; Operations Research (ME)</li> <li>10) Materials Testing (MME)</li> <li>11) Finite Element Method in Manufacturing(PE)</li> <li>12) Statistical Methods &amp; Design of Experiments (PE)</li> </ol>
<p>07.03.2024 (3.00 PM – 4.30 PM)</p>	<p>Thursday</p>	<ol style="list-style-type: none"> <li>1) Financial Management, Costing, Accounting, Balance Sheet, &amp; Ratio Analysis (CH/CE/CSE/EE/EEE)</li> <li>2) Professional Ethics, Professional Law &amp; Human Values (ETC/IT/ME/MME/PE)</li> </ol>
<p>11.03.2024 (3.00 PM – 4.30 PM)</p>	<p>Monday</p>	<ol style="list-style-type: none"> <li>1) Engineering Materials</li> <li>2) Project Management</li> <li>3) Advanced Manufacturing Technology</li> <li>4) Composite Materials and Processing</li> <li>5) Characterization Techniques</li> <li>6) Elements of Power Electronics</li> <li>7) MEMS</li> <li>8) Digital Circuits Design</li> <li>9) Production &amp; Operation Management</li> <li>10) Operating System</li> </ol>

Open  
Elective  
Subjects



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## PROGRAMME FOR 8<sup>TH</sup> SEMESTER (B.Tech)

DATE & TIME	DAY	SUBJECT(S)
29.02.2024 (11.00 AM – 12.30 PM)	Thursday	1) Bio Energy Engineering (CH) 2) Construction Management (CE) 3) Mobile Computing (CSE) 4) Reliability Engineering (EEE) 5) Electric and Hybrid Vehicle (EE) 6) Smart Power grid (EE) 7) DSP Architecture (ETC) 8) Computer Orgn. & System Architecture (ETC) 9) Neural Network and Deep learning (IT) 10) Mechanical Engg. Instrumentation and Control (ME) 11) Corrosion and Degradation of Materials (MME) 12) Rapid Prototyping & Tooling (PE) 13) Computer Integrated Manufacturing (PE)
01.03.2024 (11.00 AM – 12.30 PM)	Friday	1) Colloidal & Interfacial Engineering (CH) 2) Prestressed Concrete (CE) 3) Concrete Technology (CE) 4) Parallel and Distributed Computing (CSE) 5) AI & Machine Learning (EEE) 6) Embedded System (EE) 7) Soft computing and Heuristic optimization (EE) 8) Advanced Communication Systems (ETC) 9) Advanced Antenna Technology (ETC) 10) Real Time Systems (IT) 11) Automobile Engineering (ME) 12) Advanced Materials (MME) 13) Robotics and Flexible Manufacturing Systems (PE) 14) Quality Assurance and Reliability (PE)
02.03.2024 (11.00 AM – 12.30 PM)	Saturday	1) Entrepreneurship 2) Entrepreneurship & E-Business 3) Alloy Design and Selection of Materials 4) Optimization Techniques 5) Machine Learning 6) Data Mining 7) Electrical Power Distribution System 8) Audio & Video Systems 9) Time Series Analysis & Forecasting

Open  
Elective  
Subjects



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### 2<sup>ND</sup> SEMESTER (M.Tech./Ph.D CW)

DATE & TIME	DAY	SUBJECTS with SPECIALIZATION
01.03.2024 (9.00 AM – 10.30 AM)	Friday	<ol style="list-style-type: none"><li>1) Advanced Design of Steel Structures (CE-SE)</li><li>2) Highway Construction Practice (CE-TE)</li><li>3) Earth Retaining Structures (CE-GTE)</li><li>4) Ground water Hydrology (CE-WRE)</li><li>5) Advanced Database Systems (CSE-CSE)</li><li>6) Digital Protection of Power Systems (EE-PSE)</li><li>7) Digital Signal Processor Architecture (ETC-CSE)</li><li>8) Microstrip Components &amp; Circuits (ETC-RF&amp;M)</li><li>9) Advanced Software Engineering (IT-CIT)</li><li>10) Tribology (ME-MDA)</li><li>11) Computer Aided Design &amp; Manufacturing (ME-PE)</li><li>12) Advanced Concept in Iron Making (MME-IM)</li><li>13) Robotics and Robot Applications (PE-CAD/CAM&amp;R)</li></ol>
02.03.2024 (9.00 AM – 10.30 AM)	Saturday	<ol style="list-style-type: none"><li>1) Earthquake Analysis &amp; Design (CE-SE)</li><li>2) Pavement Analysis &amp; Design (CE-TE)</li><li>3) Subsoil Exploration (CE-GTE)</li><li>4) Urban Drainage &amp; Sewerage System (CE-WRE)</li><li>5) Machine Learning (CSE-CSE)</li><li>6) Power System Dynamics (EE-PSE)</li><li>7) Pattern Recognition &amp; Machine Learning (ETC-CSE)</li><li>8) Advanced Antenna Technology (ETC-RF&amp;M)</li><li>9) Advanced Algorithms (IT-CIT)</li><li>10) Composite Materials (ME-MDA)</li><li>11) Tools &amp; Dies Design (ME-PE)</li><li>12) Advanced Concept in Steel Making (MME-IM)</li><li>13) Automation in Manufacturing (PE-CAD/CAM&amp;R)</li></ol>



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<p>04.03.2024 (9.00 AM – 10.30 AM)</p>	<p>Monday</p>	<ol style="list-style-type: none"><li>1) Structural Dynamics (CE-SE)</li><li>2) Planning and Design of Airports (CE-TE)</li><li>3) Ground Improvement Technique (CE-GTE)</li><li>4) Remote Sensing and GIS Applications in Water Resource Engineering (CE-WRE)</li><li>5) Data Mining and Data Warehouse (CSE-CSE)</li><li>6) FACTS &amp; Custom Power Devices (EE-PSE)</li><li>7) Advanced Wireless Communication (ETC-CSE)</li><li>8) RF &amp; MW Solid State Device (ETC-RF&amp;M)</li><li>9) Machine Learning (IT-CIT)</li><li>10) Experimental Stress Analysis (ME-MDA)</li><li>11) Surface Engineering (ME-PE)</li><li>12) Characterization of Materials (MME-IM)</li><li>13) Concurrent Engineering (PE-CAD/CAM&amp;R)</li></ol>
<p>06.03.2024 (9.00 AM – 10.30 AM)</p>	<p>Wednesday</p>	<ol style="list-style-type: none"><li>1) Finite Element Method (CE-SE)</li><li>2) Traffic Analysis (CE-TE)</li><li>3) Dynamics of Soils and Foundations (CE-GTE)</li><li>4) Advanced Hydraulics (CE-WRE)</li><li>5) Distributed Operating Systems (CSE-CSE)</li><li>6) Reliability of Power Systems (EE-PSE)</li><li>7) Digital Switching &amp; Telecomm Network (ETC-CSE)</li><li>8) Meta-materials (RF&amp;M)</li><li>9) Data Mining (IT-CIT)</li><li>10) FEM in Engineering (ME-MDA)</li><li>11) Non-Traditional Manufacturing Process (ME-PE)</li><li>12) Advanced Composite Materials (MME-IM)</li><li>13) Mechanics of Material (PE-CAD/CAM&amp;R)</li></ol>





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## PROGRAMME FOR B.ARCH FOR ALL SEMESTERS

SEM.	DATE & TIME	DAY	SUBJECT(S)
2 <sup>ND</sup>	06.03.2024 (9.00 AM – 10.30 AM)	Wednesday	History to Architecture-I
	07.03.2024 (9.00 AM – 10.30 AM)	Thursday	Advanced Building Materials and Finishes
	09.03.2024 (9.00 AM – 10.30 AM)	Saturday	Structural Mechanics
	11.03.2024 (9.00 AM – 10.30 AM)	Monday	Communication Skill
4 <sup>TH</sup>	06.03.2024 (11.00 AM – 12.30 PM)	Wednesday	History of Architecture- III
	07.03.2024 (11.00 AM – 12.30 PM)	Thursday	Lighting and Electrical Services
	09.03.2024 (11.00 AM – 12.30 PM)	Saturday	Design of RCC Structure
	11.03.2024 (11.00 AM – 12.30 PM)	Monday	Vernacular Architecture
6 <sup>TH</sup>	06.03.2024 (3.00 PM – 4.30 PM)	Wednesday	Estimation Valuation and Specification
	07.03.2024 (3.00 PM – 4.30 PM)	Thursday	Theory of Design
	11.03.2024 (3.00 PM – 4.30 PM)	Monday	HVAC Systems
	12.03.2024 (3.00 PM – 4.30 PM)	Tuesday	Human Settlement Planning and Housing
8 <sup>TH</sup>	06.03.2024 (3.00 PM – 4.30 PM)	Wednesday	Professional Practice
	07.03.2024 (3.00 PM – 4.30 PM)	Thursday	Disaster Resistant Architecture
	11.03.2024 (3.00 PM – 4.30 PM)	Monday	Audio & Video Systems
	12.03.2024 (3.00 PM – 4.30 PM)	Tuesday	Architectural Conservation
10 <sup>TH</sup>	06.03.2024 (3.00 PM – 4.30 PM)	Wednesday	Building Economics and Project Management





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### PROGRAMME FOR 2<sup>ND</sup> SEMESTER MCA/Ph.D Course Work

DATE & TIME	DAY	SUBJECT(S)
02.03.2024 (9.00 AM – 10.30 AM)	Saturday	Computer Networks
04.03.2024 (9.00 AM – 10.30 AM)	Monday	Analysis and Design of Algorithms
06.03.2024 (9.00 AM – 10.30 AM)	Wednesday	Object Oriented Programming Using C++
07.03.2024 (9.00 AM – 10.30 AM)	Thursday	Software Engineering
09.03.2024 (9.00 AM – 10.30 AM)	Saturday	Formal Language and Automata Theory

### PROGRAMME FOR 4<sup>TH</sup> MCA/Ph.D Course Work

DATE & TIME	DAY	SUBJECT(S)
04.03.2024 (11.00 AM – 12.30 PM)	Monday	Advanced Computer Architecture
06.03.2024 (11.00 AM – 12.30 PM)	Wednesday	Computer Based Optimization techniques

### PROGRAMME FOR M.Sc./Ph.D CW

SEM.	DATE & TIME	DAY	SUBJECT(S)
2 <sup>ND</sup>	01.03.2024 (9.00 AM – 10.30 AM)	Friday	1) Atomic, Molecular Physics & Spectroscopy (Physics) 2) Organometallics (Chemistry) 3) Measure Theory and Integration (Mathematics)
	02.03.2024 (9.00 AM – 10.30 AM)	Saturday	1) Statistical Mechanics (Physics) 2) Organic Reaction Mechanism (Chemistry) 3) Numerical Analysis (Mathematics)
	04.03.2024 (9.00 AM – 10.30 AM)	Monday	1) Electrodynamics (Physics) 2) Molecular Spectroscopy (Chemistry) 3) Topology (Mathematics)
	06.03.2024 (9.00 AM – 10.30 AM)	Wednesday	1) Quantum Mechanics – II (Physics) 2) Stereochemistry (Chemistry) 3) Complex Analysis (Mathematics)



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4 <sup>TH</sup>	02.03.2024 (11.00 AM – 12.30 PM)	Saturday	1) Chemistry of Materials (IC) 2) Operation Research (AM) 3) Crystallography/ SCMP (AP)
	04.03.2024 (11.00 AM – 12.30 PM)	Monday	1) Applied Fluid Dynamics (AM) 2) Physics of Semiconductor Device /Non-Linear Dynamics (AP) 3) Industrial Processes (IC)
	06.03.2024 (11.00 AM – 12.30 PM)	Wednesday	1) Bio-Organic Chemistry (OC) 2) Wavelet (AM)
	07.03.2024 (11.00 AM – 12.30 PM)	Thursday	1) Reactions and Reagents in Organic Synthesis (OC)

### PROGRAMME FOR INT. M.Sc FOR ALL SEMESTERS

SEM.	DATE & TIME	DAY	SUBJECT(S)
2 <sup>ND</sup>	01.03.2024 (9.00 AM – 10.30 AM)	Friday	Physics – II (Waves & Optics)
	02.03.2024 (9.00 AM – 10.30 AM)	Saturday	Communicative English
	04.03.2024 (9.00 AM – 10.30 AM)	Monday	Chemistry – II
	06.03.2024 (9.00 AM – 10.30 AM)	Wednesday	Mathematics - II
4 <sup>TH</sup>	02.03.2024 (11.00 AM – 12.30 PM)	Saturday	1) Mathematical Physics-II (Physics/ Mathematics) 2) Green Chemistry (Chemistry)
	04.03.2024 (11.00 AM – 12.30 PM)	Monday	1) Elements of Modern Physics (Physics) 2) Physical Chemistry- II (Chemistry) 3) Elementary Algebra (Mathematics)
	06.03.2024 (11.00 AM – 12.30 PM)	Wednesday	1) Digital Systems and Applications (Physics) 2) Inorganic Chemistry- II (Chemistry) 3) Solid Geometry (Mathematics)
	07.03.2024 (11.00 AM – 12.30 PM)	Thursday	1) Electricity and Magnetism (Physics) 2) Organic Chemistry- II (Chemistry) 3) Economics & Costing (Mathematics)
	09.03.2024 (11.00 AM – 12.30 PM)	Saturday	Mathematics- IV (Mathematics)



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6 <sup>TH</sup>	06.03.2024 (3.00 PM – 4.30 PM)	Wednesday	1) Advanced Environmental Chemistry ( Chemistry) 2) Statistical Mechanics (Physics) 3) Elementary Differential Geometry (Mathematics)
	07.03.2024 (3.00 PM – 4.30 PM)	Thursday	1) Principles of Inorganic Chemistry (Chemistry) 2) Electromagnetic Theory (Physics) 3) Introduction to Linear Programming (Math.)
	11.03.2024 (3.00 PM – 4.30 PM)	Monday	1) Natural Products (Chemistry) 2) Applied Optics (Physics) 3) Introduction to Complex Analysis (Mathematics)
8 <sup>TH</sup>	01.03.2024 (9.00 AM – 10.30 AM)	Friday	1) Atomic, Molecular Physics & Spectroscopy (Physics) 2) Organometallics (Chemistry) 3) Measure Theory and Integration (Mathematics)
	02.03.2024 (9.00 AM – 10.30 AM)	Saturday	1) Statistical Mechanics (Physics) 2) Organic Reaction Mechanism (Chemistry) 3) Numerical Analysis (Mathematics)
	04.03.2024 (9.00 AM – 10.30 AM)	Monday	1) Electrodynamics (Physics) 2) Molecular Spectroscopy (Chemistry) 3) Topology (Mathematics)
	06.03.2024 (9.00 AM – 10.30 AM)	Wednesday	1) Quantum Mechanics – II (Physics) 2) Stereochemistry (Chemistry) 3) Complex Analysis (Mathematics)
10 <sup>TH</sup>	02.03.2024 (11.00 AM – 12.30 PM)	Saturday	1) Crystallography/ SCMP (Physics) 2) Chemistry of Materials (Chemistry) 2) Operation Research (Mathematics)
	04.03.2024 (11.00 AM – 12.30 PM)	Monday	1) Physics of Semiconductor Device/Non-Linear Dynamics (Physics) 2) Industrial Process (Chemistry) 3) Applied Fluid Dynamics (Mathematics)
	06.03.2024 (11.00 AM – 12.30 PM)	Wednesday	1) Experimental Techniques in Physics (Physics) 2) Bio-Organic Chemistry (Chemistry) 3) Wavelet (Mathematics)
	07.03.2024 (11.00 AM – 12.30 PM)	Thursday	1) Mathematical Method (Mathematics) 2) Reactions and Reagents in Organic Synthesis (Chemistry)
	09.03.2024 (11.00 AM – 12.30 PM)	Saturday	1) General Topology (Mathematics)



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## 8th SEMESTER

(Dual Degree- Civil Engineering)

DATE & TIME	DAY	SUBJECT(S)
01.03.2024 (9.00 AM – 10.30 AM)	Friday	1) Advanced Design of Steel Structures (DD-CE)
02.03.2024 (9.00 AM – 10.30 AM)	Saturday	1) Earthquake Analysis and Design (DD-CE)
04.03.2024 (9.00 AM – 10.30 AM)	Monday	1) Structural Dynamics (DD-CE)
06.03.2024 (9.00 AM – 10.30 AM)	Wednesday	1) Finite Element Method (DD-CE)

/  
Controller of Examinations  
VSSUT, BURLA

**Memo No. :VSSUT/Exams./ 3792 (35) /2023,**

**Dt.: 12.02.2024**

Copy to:- All HODs (requested to circulate the notice among the faculty members)/ Prof. I/C Examinations/Dean, Academic Affairs/ Dean, PGS&R/ Dean, Students Welfare/ Dean, Faculty & Planning (requested to kindly hoist the notice in the University website)/Professor, T&P/PIC, Electrical Maintenance/ University Notice Boards/All Hall of Residence Notice Boards/ Medical Officer, VSSUT Dispensary/ PA to Vice-Chancellor for kind information of Hon'ble Vice Chancellor.

Sd/-  
Controller of Examinations  
VSSUT, BURLA