

॥ अंतरी पेटवू ज्ञानज्योत ॥



NORTH MAHARASHTRA UNIVERSITY, JALGAON

Direction No. 1

**Re-Constitution of authorities Under Section 14 (8)
of the Maharashtra University Act, 1994 and direction
Therefore**

Direction No. 2

Faculties of the University

Direction No. 3

Faculty wise break of the subjects

Direction No. 4

**The Board of Studies for every subject or
Group Subjects**

Direction No. 5

**The Department in the Colleges with the subjects and
their corresponding Board of Studies**

NORTH MAHARASHTRA UNIVERSITY, JALGAON

DIRECTION No. :- 1 to 5

Subject : Re-Constitution of authorities Under Section 14(8) of the Maharashtra Universities Act, 1994 and directions there for ...

Whereas the Maharashtra Universities Act, 1994 has come into force with effect from 22nd July, 1994, and whereas under the provision of the said act, the Board of Studies are to be reconstituted, and whereas no statutes for the purposes of reconstitution of the authorities established under the provision of the said act have been as yet framed, and whereas, therefore, in the absence of the said statutes and having regard to the need and urgency in the absence of the said statutes had having regard to the need and urgency of the matter, it is imperative to provide information in respect of the departments in colleges under various faculties, Board of Studies as well as the subjects that come under those departments, in conformity with the provisions of the said act, and whereas there is a need to issue appropriate directions.

Now therefore, I, Dr. S.U. Meshram, Vice-Chancellor, North Maharashtra University, in exercise of powers vested in me under Section 14(8) of the Maharashtra Universities Act, 1994, do hereby, issue directions in relation to the formation of departments in colleges covering various subject and the corresponding Board of Studies under which the subjects under the respective departments would come, as appended in the annexure enclosed herewith :

I, further direct that the aforesaid directions shall come into force from the date of issuance and shall remain in force till the relevant Statutes come into being in accordance with the provisions of the Maharashtra Universities Act, 1994.

Encl : As stated
(Direction Nos. 1 to 5)


(Prof. Dr. S.U. Meshram)
Vice-Chancellor

Ref. No. : NMU/21/12/BOS/81/2015

Date : 12 March, 2015

Copy forwarded with compliments to :

1. All Principals of affiliated Colleges / Directors of Recognized Institutes of North Maharashtra University, Jalgaon.
2. All Director/H.o.Ds of Schools / Departments of N.M.U., Jalgaon.
3. All H.o.D./ Controlling Officers of Administrative Departments of North Maharashtra University, Jalgaon.


(Dr. A. M. Mahajan)
Registrar

NORTH MAHARASHTRA UNIVERSITY, JALGAON

Direction No. 2 :- Faculties of the University

{Under Section 33 (1) of the Maharashtra Universities Act, 1994}

The University shall have the following Faculties :

- 1) Faculty of Arts & Fine Arts
- 2) Faculty of Mental, Moral and Social Sciences
- 3) Faculty of Science
- 4) Faculty of Law
- 5) Faculty of Pharmacy
- 6) Faculty of Engineering & Technology
- 7) Faculty of Commerce and Management
- 8) Faculty of Education

Direction No. 3 :- Faculty wise break of the subjects

{Under Section 33 (4) of the Maharashtra Universities Act, 1994}

The subjects comprised under each of these faculties shall be as follows : -

FACULTY OF ARTS AND FINE ARTS

- 1) Modern Indian Languages : Marathi, Hindi, Urdu
- 2) Foreign Languages : English, German, French, Chinese, Russian, Japanese
- 3) Ancient Indian Languages : Sanskrit, Pali, Ardhamagadhi
- 4) Fine and Performing Arts : Music, Dancing, Dramatics, Drawing, Painting, Sculpture and Applied Art, Diploma Course in Printing Arts

FACULTY OF MENTAL, MORAL AND SOCIAL SCIENCES

- | | |
|------------------------------------|---|
| 1) History | 2) Economics |
| 3) Political Science | 4) Sociology |
| 5) Psychology | 6) Philosophy |
| 7) Defence and Strategic Studies | 8) Mass Communication and Journalism |
| 9) Library and Information Science | 10) Sociology & Social Work |
| 11) Civics & Public Administration | 12) Anthropology |
| 13) Dr. Ambedkar Thoughts | 14) Buddhist Heritage Studies & Tourism |
| 15) Tribal Academy | 16) Gandhian Thoughts |
| 17) Womens Studies | |

FACULTY OF SCIENCE

- | | |
|--------------------------------|--|
| 01) Mathematics | 02) Physics |
| 03) Chemistry | 04) Botany |
| 05) Zoology | 06) Geology |
| 07) Geography (All Faculties) | 08) Microbiology |
| 09) Statistics | 10) Computer Science |
| 11) Energy Studies | 12) Material Science |
| 13) Biotechnology | 14) Electronics Science |
| 15) Biochemistry | 16) Polymer Chemistry |
| 17) Pesticides & Agrochemicals | 18) Environmental Science |
| 19) Molecular Biology | 20) Pharmaceutical Chemistry |
| 21) Industrial Chemistry | 22) Information Technology |
| 23) Instrumentation | 24) Drug Chemistry |
| 25) Physical Chemistry | 26) Applied Geology |
| 27) Geo informatics | 28) Organic Chemistry |
| 29) Analytical Chemistry | 30) Inorganic Chemistry |
| 31) Animation & Web Designing | 32) Agri. & Natural Resource Management Skills |

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|---------------------------|--------------------------------|
| 33) Nano Science | 34) Computer Application (MCA) |
| 35) Software Development | 36) Agriculture |
| 37) Printing & Publishing | 38) Soil & Water Conservation |

FACULTY OF LAW

- | | |
|--|---|
| 01) Constitutional Law | 02) History of Courts |
| 03) Administrative Law | 04) Human Rights & international Law |
| 05) Environmental Law | 06) Labour Laws |
| 07) Taxation Laws (All Subjects of DTL & MLL & LW) | |
| 08) Banking Laws includes N, I. Act | 09) Company Law |
| 10) Contract Laws | 11) Transfer of Property Act |
| 12) Land Laws | 13) Law of Trust |
| 14) Family Law | 15) Jurisprudence |
| 16) Legislative Principles & Interpretation of Statutes | |
| 17) Legal Language! Legal Writing includes General English | |
| 18) Law of Torts | 19) Law of Medicine |
| 20) Civil Procedure Code | 21) Criminal Procedure Code |
| 22) Law of Evidence | 23) Law of Crimes |
| 24) Criminology & Penology | 25) Arbitration. Conciliation & ADR Systems |
| 26) General , English | 27) Political Science |
| 28) Sociology | 29) Economics |
| 30) History | 31) Logic |
| 32) Computer | |

FACULTY OF PHARMACY

- | | |
|--|--|
| 1) Pharmaceutics | 2) Bio-pharmaceutics |
| 3) Dispensing pharmacy | 4) Pharmaceutical technology |
| 5) Cosmetic technology | 6) Pharmaceutical microbiology |
| 7) N.D.D.S. (Novel Drug Delivery system) | 8) Pharmaceutical Chemistry |
| 9) Organic Chemistry | 10) Pharmaceutical Inorganic Chemistry |
| 11) Drug Chemistry | 12) Medicinal Chemistry |
| 13) Pharmacognocny | 14) Herbal Drugs |
| 15) Tissue Culture | 16) Pharmacognocny and Phytochemistry |
| 17) Marine Drug | 18) Pharmacology |
| 19) Anatomy and physiology | 20) Patho-physiology |
| 21) Hospital and community pharmacy | 22) Clinical pharmacology |
| 23) Clinical pharmacy | 24) Cosmetic |

FACULTY OF ENGINEERING & TECHNOLOGY

Applied Science

- | | |
|--|---|
| 1) Physics | 2) Chemistry (applied to all branches of Engg.) |
| 3) Engineering Mathematics (all branches of Engg.) | |
| 4) Engineering Economics & Industrial Psy. | |
| 5) Communication Skills | 6) Engg. Economics & Resource Management |

Chemical Engineering & Technology (Subjects common or Chemical Engineering & Technology)

- | | |
|---|--|
| 01) Generation And Transmission of Mechanical Power | 02) Applied Mathematics- I |
| 03) Organic Chemistry | 04) Workshop Technology |
| 05) Applied Physical Chemistry | 06) Computer Programming and Application |
| 07) Physical Chemistry | 08) Organic Chemistry- I |

09) Electrical Engg And Electronics	10) Engineering Graphics
11) Physics	12) Inorganic Chemistry
13) Applied Mathematics- II	14) Material Technology
15) Applied & Structural Mechanics	16) Process heat transfer
17) Structural Mechanics	18) Fluid Mechanics
19) Organic Chemistry-II	20) Industrial Management & Communication Skill
21) Industrial Stoichiometry	22) Mass Transfer
23) Instrumentation & Process Control	24) Machine Design
25) Mechanical Operation	26) Process Engg Thermodynamics
27) Project Engineering & Economics	28) Presentation On Industrial Training & Tour
29) Project	30) Chemical Reaction
31) Process Equipment Design	32) Technical Seminar
33) Physical Chemistry- I	34) Industrial Engineering Chemistry
35) Mass Transfer- I	36) Math-III
37) Chemical Reaction Engg-1	38) Chemical Reaction Engg.- II
39) Machine Design & Drawing	40) Chemical Engg. Math
41) Instrumentation & Instrumental Analysis	42) Process Equipment Design
43) Transport Phenomena	44) Modeling Simulation & Computer Design
45) Process Dynamic & Control	46) Plant Design, Economics & Costing
47) Elective- I,II,III *	50) Chemistry of Oil's Fats
51) Post Harvest Technology of Oleaginous Materials	52) Refining of Oils & Fats
53) Quality Control Techniques in Oil and Fats	54) Technology of Waxes and Biochemistry of Lipids
61) Technology of Fats Slitting and Soaps	62) Industrial Hydrogenation & High Fat Products
55) Chemistry of Surfactants & Oleo chemicals	56) Technology of Essential Oils & Cosmetics
57) Technology of Surfactants & Detergents	58) Modified & Tailor Made Oils
59) Process Equipment Design	60) Principles of Polymers
61) Chemistry of Drying Oils, Alkyed Resin & Varnish	62) Chemistry & Technology of Polymers- I
63) Inorganic Pigments & Extenders	64) Color Testing Organic Pigments & Additives
65) Chemistry & Tech of Polymers- II	66) Formulation & Manufacture of Coatings- I
67) Chem. & Technology of Pigment Dispersion	68) Evaluation of Surface Coatings and Paint Defects
69) Technology of Printing Inks & Application Techniques	70) Elements of Food Chemistry
71) Bio Chemistry & Nutrition	72) Microbiology & Molecular Biology
73) Principal of Food Preservation	74) Food Processing- I
75) Food Processing- II	76) Biotechnology
77) Packing Technology	78) Food Quality
79) Biochemical Engineering	80) Treatment & Disposal of Food Industry Waste
81) Analysis of Finished Food Products	82) High Polymer Chemistry
83) Processing Plastics- I	84) Plastics Tech.Lab
85) Processing of Plastics- II	86) Technology Elastomers & Additives
87) Testing of Plastics	88) Polymer Rheology
89) Mould and Die Design	90) Polymer Blends & Composites
91) Oleochemicals & Surfactants	92) Nano Technology
93) Pharmaceutical Technology	

*** Elective - I,**

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|----------------------|-----------------------------------|----------------------|
| 1) Fuel & Combustion | 2) Particulate Technology | 3) Polymer Chemistry |
| 4) Catalysis | 5) Energy Recourses & Utilization | |

*** Elective - II,**

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|------------------------|--------------------------|----------------------|
| 1) Environmental Engg. | 2) Electrochemical Engg. | 3) Biochemical Engg. |
| 4) Multiphase Reaction | 5) Petroleum Engg. | |

*** Elective - III**

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|------------------------------|-----------------------------|------------------|
| 1) Industrial Thermodynamics | 2) Newer separation Process | 3) Polymer Engg. |
| 4) Applied Catalysis | | |

Civil Engineering & Architecture

Civil Engineering

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|--|---|
| 1) Engineering Mechanics Elements of Civil Engineering | 2) Mechanics of Structures |
| 3) Building Construction | 4) Geotechnical Engineering |
| 5) Surveying. | 6) Theory of Structure- I |
| 7) Building Design & Town Planning | 8) Concrete Technology & Construction Materials |
| 9) Highway, Airport & Bridges | 10) Fluid Mechanics. |
| 11) Advanced Surveying | 12) Advanced Fluid Mechanics |
| 13) Design of Concrete Structures | 14) Irrigation Engineering |
| 15) Transportation Engineering | 16) Public Health Engineering |
| 17) Engineering Geology | 18) Design of Steel Structures |
| 19) Advanced Theory of Structures. | 20) Foundation Engineering |
| 21) Practical Training Special Study | 22) Quantity Surveying & Valuation |
| 23) Numerical Analysis & Computer Application | 24) Environmental Engineering |
| 25) Water Shed Management | 26) Earthquake Resistant Design. |
| 27) Remote Sensing in Civil Engineering | 28) Earth Structures. |
| 29) Open Channel & Conduit Flow | 30) Low Cost Construction & Rural Development technique |
| 31) Dams & Hydraulics Structures | 32) Analysis & Design of Special Structures |
| 33) Construction Management | 34) Advanced Highway Engineering |
| 35) Finite Element Method | 36) Systems Approach in Civil Engineering |
| 37) Water Power Engineering | 38) Industrial Water Pollution & Control |
| 39) Land Development & Drainage Engineering | 40) Seminar |
| 41) Project | |

Architecture

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|--|---|
| 1) English Communication Skills | 2) History of Architecture & Human Settlements- I,II,III,IV |
| 3) Design Fundamentals In Architectures | 4) Structure- I,II,III,IV,V,VI,VII |
| 5) Building Material- I,II,III | 6) Architecture Drawing and graphics- I,II,III,IV |
| 7) Visual Arts- I,II | 8) Basic Design- I |
| 9) Model Workshop- I,II | 10) Social Science and History of culture |
| 11) Introduction to computing | 12) Basic and architectural Design |
| 13) Surveying and Leveling | 14) Climatology- I,II |
| 15) Architectural Design- I,II,III,IV,V,VI | 16) Building Construction- I,II,III,IV,V,VI |
| 17) Anthropometrics | 18) Building Service- I,II,III |

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| 19) Acoustics | 20) Photography |
| 21) Specifications | 22) Air Conditioning and Ventilation |
| 23) Landscape Design | 24) Working drawing- I,II |
| 25) Quantity Surveying and Estimating-I,II | 26) Introduction to town Planning |
| 27) Housing | 28) Rural Architectural |
| 29) Project and Construction management | 30) Interior Design |
| 31) Computer Application | 32) Appropriate Technology |
| 33) Professional Practice- I, II | 34) Contract Documents and Building Bylaws |
| 35) Building Economics | 36) Elective- I,II,III |
| 37) Architectural Construction Project | 38) Dissertation, Project Work |

Computer Engineering & information Technology Engineering

Computer Engineering

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|--|--|
| 1) Computer Programming | 2) Discrete Structures and Graph Theory |
| 3) Industrial Management and Economics | 4) Programming Laboratory- I |
| 5) Microprocessor- I | 6) Data structures and Files |
| 7) Computer organization | 8) Programming Laboratory- II |
| 9) Microprocessor- II | 10) Theory of Computer Science |
| 11) Digital System Design | 12) Computer Graphics |
| 13) System Programming | 14) Microprocessor- III |
| 15) Data Communication | 16) Software Engineering |
| 17) Database Management Systems | 18) Management Information S |
| 19) Application Development Tool | 20) Practical Training / Special stUi |
| 21) Mobile Network | 22) Artificial Intelligence |
| 23) VLSI Design | 24) Computer Network |
| 25) Operating Systems. | 26) Object Oriented Modeling Design and Architecture |
| 27) Embedded Systems | 29) Neural Networks and Fuzzy Logic |
| 30) Design and Analysis of Computer Algorithms | 31) Compiler Construction |
| 32) Software Metrics and Quality Assurance | 33) Advanced Computer Architecture |
| 34) Technical Visit! Case Studies | 35) Seminar |
| 36) Project Work | |

Information Technology

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|--|--|
| 1) Discrete Structures and Graph Theory | 2) Programming Paradigms and methodology |
| 3) Industrial Management and Economics | 4) Programming Laboratory-1 |
| 5) Microprocessor- I | 6) Data Communications |
| 7) Data Structures And Files | 8) Object Oriented Programming Methodology |
| 9) Information Theory | 10) Programming Laboratory- II |
| 11) Microprocessor- II | 12) Computer Organization |
| 13) Database Management | 14) Computer Graphics |
| 15) System Programming | 16) Computer Networks and |
| 17) Operating System | 18) Software Engineering |
| 19) Web Designing | 20) Management Information sy, |
| 21) Application Development Tools, | 22) Practical Training! Special study! |
| 23) Mobile Network | 24) Enterprise Resource Planning |
| 25) Information Retrieval | 26) E-Commerce |
| 27) Advanced Database Management System | 28) Object Oriented Modeling Design and Architecture |
| 29) Embedded Systems | 30) Multimedia Techniques |
| 31) Image Processing | 32) Internet Security |
| 33) Software Metrics and Quality Assurance | 34) Data Warehousing and Mining |
| 35) Technical Visit Case Studies | 36) Seminar |
| 37) Project Work | |

Electronics & Telecommunication & Industrial Electronics

Electronics and Telecommunication & Industrial Electronics

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|--|---|
| 1) Elements of Electrical and Electronics Engg | 2) Electronic Devices and Circuits- I |
| 3) Digital Electronics | 4) Electromagnetic Engineering |
| 5) Network and Lines | 6) Component Devices and Technology |
| 7) Electronic Devices and Circuits - II | 8) Principles of Communication System |
| 9) Electronic Instrumentation | 10) Electrical Machines |
| 11) Microprocessor Techniques | 12) Electronic Design- I |
| 13) Network Analysis and Synthesis | 14) Signal Conditioning and Data Conversion |
| 15) Feedback Control System | 16) Microprocessor Interface & Peripherals |
| 17) Communication System - I | 18) Electronic Design- II |
| 19) Power Electronics | 20) Communication Systems- II |
| 21) VLSI Design | 22) System Programming |
| 23) Television Engineering | 24) Bio-Medical Instrumentation |
| 25) Radiation and Microwave Techniques | 26) Digital Signal Processing |
| 27) Seminar | 28) Computer Communication |
| 29) Fiber Optic Communication | 30) Digital Image Processing |
| 31) Information Technology | 32) Telematics |
| 33) Consumer Electronics | 34) Electronic Measurement |
| 35) Project | 36) Industrial Electronics and Drives |
| 37) Applied Electronics | 38) Network Analysis |
| 39) Signal Conditioning and Data conversion | 40) Digital and Microprocessor Lab. |
| 41) Digital Circuits and Logic Design | 42) Analog & Digital Electronics |

Electrical and Instrumentation Engineering

Electrical Engineering

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|--|---|
| 1) AC Circuits & Transformer | 2) Electrical Engg. Material |
| 3) Electromagnetic Engg. | 4) Applied Thermodynamics |
| 5) Digital Computational Techniques | 6) Electrical Machine- I |
| 7) Electrical measurement- 1 | 8) Applied Electronics- I |
| 9) Fluid Mechanics & Machinery | 10) Applied Electronics- II |
| 11) Electrical Mechanics- II | 12) Power System- I,II |
| 13) Network Analysis | 14) Electrical Installation Ratio nation and Distribution |
| 15) Microprocessors Fundamentals & Applications | 16) Industrial Organization & Management |
| 17) Electrical Measurement- II | 18) Principles of Electrical Machine Design |
| 19) Practical Training/Special Study/Minor Project | 20) Power Electronics |
| 21) Contract System- I & II | 22) Switch Gear Protection |
| 23) Project | 24) Seminar |
| 25) Industrial Electrical Engineering | 26) Power System Stability |
| 27) High Voltage Engineering | 28) Power System, Operation & Contract |
| 29) Electromechanical Energy Conversion | 30) Microprocessor Based System |
| 31) Power System design practices | 32) Electric Traction Engg. |

Instrumentation

- | | |
|---|--------------------------------------|
| 1) Industrial instrumentation | 2) Electronics Device & Circuits |
| 3) Digital Techniques | 4) Electromagnetic Engg. |
| 5) Workshop Technology & Fabrication Techniques | 6) Transducers & Signal Conditioners |
| 7) Engg. Materials | 8) Electrical Machines |

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|---|-------------------------------------|
| 9) Thermal & Food Power Engg. | 10) Engg. Math- III |
| 11) Elective-I-DSP | 12) Elective-I-PPI |
| 13) Elective-I-Micro Electronics | 14) Elective-I-AET |
| 15) Unit Operations | 16) Process Equipment Design |
| 17) Process Instrumentation P1 | 18) Seminar |
| 19) Project | 20) Elective-II-FONT |
| 21) Elective_II-Fuzzy & Nurul Neww | 22) Elective-II-BI |
| 23) Elective-II-Computer Networks | 24) Instrumentation System Design |
| 25) Project Planning Estimation & Assessments | 26) Process Modeling & Optimization |
| 27) Technical Visits | |

Mechanical, Production & Automobile Engineering

Mechanical Engineering

- | | |
|--|---|
| 1) Engineering Graphics- I | 2) Workshop Practice- I |
| 3) Engineering Graphics- II | 4) Elements of Mechanical Engineering |
| 5) Workshop Practice- II | 6) Energy Conversion- I |
| 7) Machine Drawing & Computer Graphics | 8) Dynamics of Machinery- I |
| 9) Manufacturing Process | 10) Workshop Practice- III |
| 11) Energy Conversion- II | 12) Material science |
| 13) Workshop Practice- IV | 14) Numerical analysis and Computational Method |
| 15) Engineering Metallurgy | 16) Ind. Engg. and Management |
| 17) Machine Design- I | 18) Heat Transfer and Gas Dynamics |
| 19) Workshop Practice-V | 20) Turbo Machinery |
| 21) Manufacturing Technology | 22) Dynamics of Machinery- II |
| 23) Machine design- II | 24) Metrology & Quality Control |
| 25) Practical Training/Special study/Minor Project/EDP | 26) Non-Conventional Energy Sources |
| 27) MJC Tool design | 28) Operation Research |
| 29) Robotics | 30) Automobile Engg.- I |
| 31) Mechanical Estimation & Costing | 32) Reliability Engg. |
| 33) Machine Design- III | 34) Refrigeration & Air Conditioning |
| 35) Project & Financial Management | 36) Seminar |
| 37) Power Plant Engg. | 38) Mgt. Information system |
| 39) Materials Management | 40) Energy Conversion & Mgt. |
| 41) Automobile Engg.-Li | 42) Production Planning & Control |
| 43) Analysis & Synthesis of Mechanism | 44) CAD & CAM |
| 45) Tribology | 46) Mechanical Vibration |
| 47) Project | 48) Technical Visits |
| 49) Engg. Metalogy | 50) CAD / CAM |
| 51) Industrial Engg. & Management | 52) Machine Design- I |
| 53) Heat Transfer & Mass Transfer | 54) Workshop Practice- V |
| 55) Metrology & Quality Control | 56) Hydraulics & Pneumatics |
| 57) Automobile Systems | 58) Dynamics of Machinery- II |
| 59) Manufacturing Technology | 60) Practical Training |

Automobile

- | | |
|----------------------------------|-------------------------------|
| 1) Engg. Metalogy | 2) CAD /CAM |
| 3) Industrial Engg. & Management | 4) Machine Design- I |
| 5) Heat Transfer & Mass Transfer | 6) Workshop Practice- V |
| 7) Metrology & Quality Control | 8) Hydraulics & Pneumatics |
| 9) Automobile Systems | 10) Dynamics of Machinery- II |
| 11) Manufacturing Technology | 12) Practical Training |

Production

- | | |
|---|---|
| 1) Tool Design | 2) Production, Planning & Control |
| 3) Financial Management & Cost Control; | 4) Project |
| 5) Seminar | 6) Elective-I-Energy Management |
| 7) Elective-I-Total Quality Management | 8) Elective-I- Automobile Engg.- I |
| 9) Elective-I- Non Conventional Energy | 10) Elective-I- Management Information System |
| 11) Trilogy | 12) CAD CAM |
| 13) Materials Management | 14) Technical Visit |
| 15) Elective-II-Mechanical Estimation & Costing | 16) Elective-II-Industrial Relations |
| 17) Elective-I I-Automobile Engg- II | 18) Elective-II-Power Plant Engg |
| 19) Elective-II-Foundry Engg. | |

FACULTY OF COMMERCE & MANAGEMENT

Accountancy & Costing

- | | |
|--|---|
| 1. Financial & Cost Accounting | 2. Financial Accountancy |
| 3. Financial & Cost Accounting | 4. Corporate Accounting & Costing |
| 5. Corporate Accounting | 6. Advance Accounting & Costing Method |
| 7. Advance Accounting & Costing Techniques | 8. Income Tax |
| 9. Financial & Management Accountancy | 10. Direct & Indirect Tax Laws |
| 11. Corporate laws & Income Tax Laws | 12. Auditing |
| 13. Auditing Practices | 14. Income Tax Laws |
| 15. Direct & Indirect Tax Laws | 16. Advanced Accounting |
| 17. Advanced cost & Management Accounting | 18. Income Tax |
| 19. Principles & Practice of Auditing | 20. Corporate Accounting & Auditing |
| 21. Management Accountancy | 22. Auditing |
| 23. Income Tax Law | 24. Corporate Accounting & Auditing |
| 25. Auditing | 26. Management Accounting |
| 27. Advanced Accountancy | 28. Advanced cost Accountancy |
| 29. Direct & Indirect Law | 30. Accountancy for Managers |
| 31. Financial Accounting and Cost Control | 32. Information System Audit (ISA) |
| 33. System Analysis and Design | 34. Human Resource Auditing & Outsourcing |
| 35. Cost Accounting | 36. Costing Methods & Techniques |
| 37. Financial Accounting for Manager (Tally 9.2) | 38. Management Accounting |
| 39. Information System Audit (ISA) | 40. Business Accounting |

Commerce & Business Laws

- | | |
|--|--|
| 1. Corporate Laws | 2. Principles and Practices of Insurances |
| 3. E - Commerce | 4. Stock & Commodity Market |
| 5. Co-operative Laws & Micro Finance | 6. Foundation course in Comm & Management |
| 7. Business Law | 8. Business Communication |
| 9. Business & Tax Laws | 10. Corporate regulatory framework |
| 11. Business Processing outsourcing | 12. Entrepreneurship Management |
| 13. Business Communication | 14. Production Management & Operation Management |
| 15. Business Ethics & Corporate Governance | 16. Company Law |
| 17. Operation & Material Management | 18. Insurance & Risk Management |
| 19. E-Commerce | 20. Business Entrepreneurship |
| 21. Stock & Commodity Market | 22. Production & Material Management |
| 23. Communication Skills | 24. International Business |
| 25. Mercantile Laws | 26. Export & Import Management |

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| 27. Investment management | 28. Financial Management |
| 29. Production & Material Management | 30. Corporate Governance |
| 31. Communication Skills | 32. Agro Business |
| 33. Corporate Laws | 34. Business Research Methods |
| 35. Competitive Skills | 36. Business Laws |
| 37. Import & Export Management | 38. Corporate Laws |
| 39. Business & Mercantile Law | 40. Entrepreneurship Development |
| 41. Stock & Commodity Market | 42. Industrial Relation |
| 43. Business ethics and Corporate Governance | 44. Entrepreneurship Development |
| 45. Production & Operation Management | 46. Financial Management |
| 47. Business Research Methods | 48. Introduction to operations Management |
| 49. Corporate Social Responsibility | 50. Corporate Communication Skills |
| 51. E-Commerce & Excellence Management | 52. Enterprenuer & Project Management |
| 53. Legal Aspects of Business | 54. Indian Commercial Laws |
| 55. Operation Management | 56. Stock & Commodity Markets |
| 57. Introduction to ERP and SAP | 58. Business & Correspondence & Communication Skills |
| 59. Social issues and responsibility | 60. Industrial relations & trade unions |
| 61. Laws relating to industrial relations | 62. Soft skills building |
| 63. Social security & Welfare regulations | 64. Industrial Compliance Framework |
| 65. Labour Welfare | 66. Industrial Counseling & Negotiations |
| 67. Public Relation | 68. Consumer Protection and Business Ethics |
| 69. Research Methodology in Commerce | 70. Organization Behavior |
| 71. Entrepreneurship and Project Management | 72. Foundation Course for Managers |
| 73. Professional Communication | 74. Career Management and Counseling |
| 75. Soft Skill Development | |

Business Administration

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|--|------------------------------------|
| 1. Modern office Management | 2. Marketing & Advertising |
| 3. Marketing Management | 4. Organization & Management |
| 5. Financial Analysis & journalism | 6. Retail management |
| 7. Financial Services & Instruments | 8. Supply Chain Management |
| 9. Portfolio Management | 10. Service Management |
| 11. Investment Management | 12. Financial Management |
| 13. Business Administration - Paper I,II | 14. Corporate Regulatory Framework |

Business Economics & Banking

- | | |
|---|--------------------------------------|
| 1. Principles & Practices of Banking | 2. Micro economic Analysis |
| 3. Business Economics | 4. Managerial Economics |
| 5. Macro economic analysis | 6. Modern Banking & Financial system |
| 7. Econometrics | 8. Banking & Finance |
| 9. Current Economic Scenario | 10. Indian Economy |
| 11. Indian Economic Scenario | 12. Global Economics |
| 13. Advanced Banking | 14. Economics of Industries |
| 15. Economics of Environment & Research Methodology | 16. Banking and Finance |

Management of Studies

- | | |
|--|---|
| 1. Human Resource Management | 2. Modern Management Techniques |
| 3. Bank Management | 4. Organizational Behavior |
| 5. Strategic Management | 6. Agro Business management |
| 7. Industrial Physiology & Sociology | 8. Personal Administration & Management |
| 9. Laws for wages & working conditions | 10. Risk Management |

11. Training & Development
13. Modern Management Technology
15. Hospitality Management

12. Placement Activity Management
14. Modern Retail Management

Computer Management

1. Quantitative Tech. & computing skills
3. Programming in C++
5. Office Automation
7. Internet & Web Page design
9. Introduction to Visual Basic
11. Introduction of MS-Access
13. Database system & DB-2
15. Database Concepts & MS-Access
17. Programming in VC++
19. MIS and Data Security
21. System Analysis & ERP
23. RDBMS Oracle
25. Java Programming
27. Information System Audit
29. Systems Management and ERP I&II
31. MIS & Management and ERP
33. Introduction Programming using C++
35. Introduction to DBMS
37. Object Oriented Programming using C++
39. VB.NET
41. Numerical Methods
43. Computer Fundamentals & Office Automation
45. Human Resource Information System & ERP
47. Operating Systems
49. Computer Fundamentals & Hardware/Software Installation
51. 245. DBS & SQL Server
53. Introduction to Animation & Flash
55. Lab- III (2.1&2.2) & Lab IV(2.3)
57. Information Security & Cyber law
59. Lab-IV(4.1&4.4) & Lab-VIII(4.5)
61. Information System for Business

2. Business Statistics
4. Business Mathematics
6. Internet & Application
8. Basic of Database Internet & web Designing using HTML
10. E-Commerce & IT Act,2000
12. Computing Management
14. Programming Visual Basic-6
16. Database Programming through VB 6.0
18. Programming in ASP
20. System Analysis and Designing
22. Information Management
24. ERP and SAP
26. Developer 2000 (D2K)
28. Computer Applications for Business
30. Quantitative Techniques
32. Mathematical Techniques
34. Computer Networks and Web design
36. Data Structure
38. Computer Animation using Flash and Statistical Quality Control
40. Design of Experiments and Competitive skills
42. Introduction to R
44. Introduction of Internet & Web Technology
46. Research Methodology & Statistical Tools
48. Web Designing & Web tools
50. Ruby Programming Language
52. M I S & ERP
54. Software Designing & Development
56. Lab- V(3.1&3.4) & Lab VI(3.5)
58. Quality Control & Software Testing
60. Research Methodology & Statistical Tools
62. Cyber Crime and Security

Functional Electives

A

2. Scripting languages
4. Website Management & Services
6. PHP & AJAX

B

2. Java
4. Data Mining & ware housing
6. J2EE & J2ME

C

1. Introduction Designing & Graphics
3. 3D Animation using Houdini
5. Post Production Processes for Animation
2. Digital Graphics Design
4. Advanced Computer Animation
6. 3D Animation using Mays

FACULTY OF EDUCATION

1. Education and Development
2. Education an Evolutionary Perspective
3. Contemporary issues and concerns in secondary Education
4. Education: A Global perspective
5. Mental Retardation: The multidisciplinary Perspective
6. Education in India- A Global Perspective.
7. Process of Education
8. Curriculum Development and Transaction
9. Education as a Field of Study / Education in 21st Century
10. Teacher Education.
11. Foundations of Distance Education
12. Educational Technology
13. New trends in Education
14. Advanced Educational Theory
15. Fundamental Of Educational Theory
16. Learner and Learning
17. Teaching: Approaches, Strategies
18. Learning Resources
19. Various disabilities and Educational Psychology
20. Identification and Assessment of mental Retardation
21. An Introduction to Educational Psychology and Nature of Various Disabilities
22. Introduction to Visual Impairment and personality development
23. Educational Perspectives of Visual Impairment and intelligence
24. Psychology for Individual and Social Development.
25. Statistical Methods for data analysis
26. Inclusive Education for Children with Diverse Needs
27. Learner, Learning and Teaching Process
28. Methodology of Educational Research and Statistical Methods
29. Classroom Organization and Management
30. Assessment and Evaluation
31. Pedagogical content Knowledge CCM-I,III (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Mathematics, Science)
32. Pedagogical content Knowledge CCM- II,IV (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Maths, Science)
33. Mental Retardation: Curriculum and Teaching Strategies
34. Subject Teaching
35. Teaching and Learning Methods with Visual Impairment.
36. Educational Guidance and Counseling
37. Educational, Planning, Management, and Financing of Education
38. Information Communication and Technology and E-learning
39. Secondary and Higher Secondary Education
40. Foundations & History of Physical Education
41. Anatomy, Physiology & Health Education
42. Organization Administration in Physical Education
43. Method in General School Subjects- [Marathi, Hindi, English, History, Geography, Science, Mathematics]
44. Psychological base of Physical Education
45. Officiating, Coaching & Evaluation in Physical Education
46. Computer in Physical Education
47. Teaching Methodology in Physical Education

48. Science of sports training
49. Test Measurement & Evaluation and Physical Education
50. Sports Biomechanics
51. ICT (Information Computer Technology)
52. Yoga Science
53. Research Methodology
54. Management Officiating and Coaching
55. Physical Fitness & Wellness
56. Sports Sociology
57. Management in Physical Education & Sports
58. Sports Psychology
59. Sports Nutrition
60. Sports Medicine
61. Curriculum Design In Physical Education
62. Health & Fitness Management
63. Recreational and Luster Time Management
64. Personality Development Programme and Life Skill
65. English
66. Foundations Of Physical Education
67. Health Education
68. Sport Psychology
69. Organization, Administration in Physical Education
70. Anatomy
71. Marathi / Hindi
72. General Science
73. Computer in Physical Education
74. Physiology
75. Sports Sociology
76. Management Of Physical Education
77. History of Physical Education
78. Kinesiology
79. Recreation
80. Personality Development
81. Professional Preparation
82. Biomechanics
83. Methods of Physical Education
84. Officiating & Coaching
85. Basic of Sport Training
86. Sports Injuries & Rehabilitation
87. Fitness & Nutrition /Yoga
88. Test & Measurement

**Direction No. 4 - The Board of Studies for every subject or Group of Subjects
{Under Section 37(1) of the Maharashtra Universities Act, 1994}**

FACULTY OF ARTS AND FINE ARTS

Board of Studies

1) B.o.S. in Marathi

2) B.o.S. in Hindi

3) B.o.S. in English

4) B.o.S. in Ancient Indian Languages

5) B.o.S. in Urdu, Persian &
Arabic Languages

6) B.o.S. in Fine and Performing Arts

Subject or Group of Subjects.

1) Marathi.(For all faculties)

1) Hindi (For all faculties)

1) English (includes Science, Commerce,
Law, B.S.W., M.S.W.)
2) Linguistics

1) Sanskrit
2) Pali & Ardhamagadhi.

1) Urdu
2) Persian & Arabic Languages

1) Music
2) Dancing
3) Dramatics
4) Drawing and Painting
5) Sculpture
6) Applied Arts

FACULTY OF MENTAL, MORAL AND SOCIAL SCIENCES

Board of Studies

- 1) B.o.S. in History
- 2) B.o.S. in Philosophy
- 3) B.o.S. in Sociology & Social Work
- 4) B.o.S. in Political Science
- 5) B.o.S. in Economics
- 6) B.o.S. in Mass Communication
Journalism
- 7) B.o.S. in Defense & Strategic Studies
- 8) B.o S. in Psychology
- 9) B.o S. in Dr. Ambedkar Thoughts
- 10) B.o S. in Buddhist Heritage Studies & Tourism
- 11) B.o S. in Tribal Academy
- 12) B.o S. in Gandhian Thoughts
- 13) B.o S. in Womens Studies
- 14) B.o S. in Library Science

Subject or Group of Subjects

- 1) History (includes Law faculty)
- 2) History of Civilization
- 1) Philosophy
- 2) Logic (Includes Law College)
- 1) Sociology
- 2) Social Work
- 1) Political Science
- 2) Civics
- 3) Public Administration
(Includes related faculties)
- 1) Economics. (Includes related faculties)
- 1) Mass Communication and Journalism
- 1) Defense and Strategic Studies
(includes related faculties)
- 1) Psychology.
- 2) Yogic science
- 1) Dr. Ambedkar Thoughts
- 1) Buddhist Heritage Studies & Tourism
- 1) Tribal Academy
- 1) Gandhian Thoughts
- 1) Womens Studies
- 1) Library and Information Sciences

FACULTY OF SCIENCE

Board of Studies

- 01) B.o.S. in Mathematics
- 02) B.o S. in Statistics
- 03) B.o.S. in Physics
- 04) B.o.S. in Chemistry
- 05) B.o.S. in Botany
- 06) B.o.S in Computer Science
- 07) B.o.S. in Zoology

Subject or Group of Subjects

- 1) Mathematics
- 1) Statistics
- 1) Physics
- 2) Energy Studies
- 3) Material Science
- 1) Chemistry
- 2) Inorganic Chemistry
- 3) Organic Chemistry
- 4) Analytical Chemistry
- 5) Physical Chemistry
- 1) Botany
- 1) Computer Science
- 2) Information Technology
- 3) Computer Application (MCA)
- 1) Zoology

08) B.o.S. in Geography	1) Geography
09) B.o.S. in Life Science	1) Microbiology 2) Biochemistry 3) Biotechnology 4) Molecular Biology
10) B.o.S. in Electronics & Instrumentation	1) Electronics 2) Instrumentation
11) B.o.S. in Environmental Science	1) Environmental Science
12) B.o.S. in Chemical Science	1) Polymer Chemistry 2) Pesticides and Agro Chemicals 3) Industrial Chemistry
13) B.o.S. in Geosciences	1) Geology 2) Applied Geology 3) Geo informatics
14) B.o.S. in Animation & Web Designing	1) Software Development 2) Printing & Publishing
15) B.o.S. in Agri. & Natural Resource Management Skills	1) Agriculture 2) Soil & Water Conservation

FACULTY OF LAW

Board of Studies

01) B.o.S. in Law

Subject or Group of Subjects

- 1) Constitutional Law
- 2) History of Courts
- 3) Administrative Law
- 4) Human Rights & International Law
- 5) Environmental Law
- 6) Transfer of Property Act
- 7) Land Laws
- 8) Law of Trust
- 9) Family Law
- 10) Labour Laws
- 11) Taxation Laws
(All Subjects of DTL & MLL & LW)
- 12) Banking Laws includes N.I. Act,
- 13) Company Law
- 14) Contract Laws
- 15) Jurisprudence
- 16) Legislative Principles &
Interpretation of Statutes
- 17) Legal Language Includes Legal Writing
- 18) Legal Language Includes General English
- 19) Law of Torts
- 20) Law of Medicine
- 21) Civil Procedure Code
- 22) Criminal Procedure Code
- 23) Law of Evidence
- 24) Law of Crimes,
- 25) Criminology & Penology,
- 26) Arbitration, Conciliation & ADR Systems.
- 27) Research Methodology
- 28) Growth of Modern Indian Legal system I & II

FACULTY OF PHARMACY

Board of Studies	Subject or Group of Subjects
B.o.S. in Pharmaceutics	1) Pharmaceutics 2) Bio-pharmaceutics 3) Dispensing pharmacy 4) Pharmaceutical Technology 5) Cosmetic Technology 6) Pharmaceutical Microbiology 7) Novel Drug Delivery System
B.o.S. in Pharmaceutical Chemistry	1) Pharmaceutical Chemistry 2) Organic Chemistry 3) Pharmaceutical inorganic chemistry 4) Drug Chemistry 5) Medicinal Chemistry
B.o.S. in Pharmacognosy and Pharmacology	1) Pharmacognocoy 2) Herbal Drug 3) Tissue Culture 4) Pharmacognocoy and phytochemistry 5) Marine Drug 6) Pharmacology 7) Anatomy and Physiology 8) Pathophysiology 9) Hospital and community pharmacy 10) Clinical Pharmacology 11) Clinical Pharmacy
B.o.S. in B.Tech. (Cosmetics)	1) Cosmetic Engineering 2) Beauty Culture 3) Cosmetic Technology 4) Perfumes & Colors

Faculty of Engineering & Technology

Board of Studies	Subject or Group of Subjects
1) B.o.S. in Applied Sciences	1) Physics 2) Chemistry (applied to all branches of Engg.) 3) Engineering Mathematics (applied to all branches of Engg.) 4) Engineering Economics & Industrial Psy. 5) Communication Skills 6) Engg. Economics & Resource Management
2) B.o.S. in Chemical Engineering & Chemical Technology	01) Generation And Transmission of Mechanical Power 02) Applied Mathematics- I 03) Organic Chemistry 04) Workshop Technology 05) Applied Physical Chemistry 06) Computer Programming and Application 07) Physical Chemistry 08) Organic Chemistry- I 09) Electrical Engg And Electronics 10) Engineering Graphics 11) Physics 12) Inorganic Chemistry

- 13) Applied Mathematics- II
- 14) Material Technology
- 15) Applied & Structural Mechanics
- 16) Process heat transfer
- 17) Structural Mechanics
- 18) Fluid Mechanics
- 19) Organic Chemistry- II
- 20) Industrial Management & Communication Skill
- 21) Industrial Stoichiometry
- 22) Mass Transfer
- 23) Instrumentation & Process Control
- 24) Machine Design
- 25) Mechanical Operation
- 26) Process Engg Thermodynamics
- 27) Project Engineering & Economics
- 28) Presentation On Industrial Training & Tour
- 29) Project
- 30) Chemical Reaction
- 31) Process Equipment Design
- 32) Technical Seminar
- 33) Physical Chemistry- I
- 34) Industrial Engineering Chemistry
- 35) Mass Transfer- I
- 36) Math- III
- 37) Chemical Reaction Engg.- I
- 38) Chemical Reaction Engg.- II
- 39) Machine Design & Drawing
- 40) Chemical Engg. Math
- 41) Instrumentation & Instrumental Analysis
- 42) Process Equipment Design
- 43) Transport Phenomena
- 44) Modeling Simulation & Computer Design
- 45) Process Dynamic & Control
- 46) Plant Design, Economics & Costing
- 47) Elective -1,11,111 *
- 48) Chemistry of Oil's Fats
- 49) Post Harvest Technology of Oleaginous Materials
- 50) Refining of Oils & Fats
- 51) Quality Control Techniques in Oil and Fats
- 52) Technology of Waxes and Biochemistry of Lipids
- 53) Technology of Fats Slitting and Soaps
- 54) Industrial Hydrogenation & High Fat Products
- 55) Chemistry of Surfactants & Oleo chemicals
- 56) Technology of Essential Oils & Cosmetics
- 57) Technology of Surfactants & Detergents
- 58) Modified & Tailor Made Oils
- 59) Process Equipment Design
- 60) Principles of Polymers
- 61) Chemistry of Drying Oils, Alkyed Resin & Varnish
- 62) Chemistry & Technology of Polymers-I
- 63) Inorganic Pigments & Extenders
- 64) Color Testing Organic Pigments & Additives
- 65) Chemistry & Tech of Polymers- II
- 66) Formulation & Manufacture of Coatings- I
- 67) Chem. & Technology of Pigment Dispersion
- 68) Evaluation of Surface Coatings and Paint Defects
- 69) Technology of Printing Inks & Application Techniques
- 70) Elements of Food Chemistry
- 71) Bio Chemistry & Nutrition

- 72) Microbiology & Molecular Biology
- 73) Principal of Food Preservation
- 74) Food Processing-I
- 75) Food wizin4J
- 76) Biotechnology
- 77) Packing Technology
- 78) Food Quality
- 79) Biochemical Engineering
- 80) Treatment & Disposal of Food Industry Waste
- 81) Analysis of Finished Food Products
- 82) High Polymer Chemistry
- 83) Processing Plastics- I
- 84) Plastics Tech.Lab
- 85) Processing of Plastics- II
- 86) Technology Elastometer & Additives
- 87) Testing of Plastics
- 88) Polymer Rheology
- 89) Mould and Die Design
- 90) Polymer Blends & Composites
- 91) Oleo chemistry & Surfactants
- 92) Nano Technology
- 93) Pharmaceutical Technology
- * Elective- I
- 1) Fuel & Combustion
- 2) Particulate Technology
- 3) Polymer Chemistry
- 4) Catalysis
- 5) Energy Recourses & Utilization
- * Elective- II,
- 1) Environmental Engg.
- 2) Electrochemical Engg.
- 3) Biochemical Engg.
- 4) Multiphase Reaction
- 5) Petroleum Engg.
- * Elective- III
- 1) Industrial Thermodynamics
- 2) Newer separation Process
- 3) Polymer Engg.

3) B.o.S. in Civil Engineering & Architecture

Civil Engineering

- 1) Engineering Mechanics Elements of Civil Engineering
- 2) Mechanics of Structures
- 3) Building Construction
- 4) Geotechnical Engineering
- 5) Surveying
- 6) Theory of Structure- I
- 7) Building Design & Town Planning
- 8) Concrete Technology & Construction Materials
- 9) Highway. Airport & Bridges
- 10) Fluid Mechanics
- 11) Advanced Surveying
- 12) Advanced Fluid Mechanics
- 13) Design of Concrete Structures
- 14) Irrigation Engineering
- 15) Transportation Engineering
- 16) Public Health Engineering
- 17) Engineering Geology
- 18) Design of Steel Structures

- 19) Advanced Theory of Structures.
- 20) Foundation Engineering
- 21) Practical Training Special Study
- 22) Quantity Surveying & Valuation
- 23) Numerical Analysis & Computer Application
- 24) Environmental Engineering
- 25) Water Shed Management
- 26) Earthquake Resistant Design
- 27) Remote Sensing in Civil Engineering
- 28) Earth Structures
- 29) Open Channel & Conduit Flow
- 30) Low Cost Construction & Rural Development technique
- 31) Dams & Hydraulics Structures
- 32) Analysis & Design of Special Structures
- 33) Construction Management
- 34) Advanced Highway Engineering
- 35) Finite Element Method
- 36) Systems Approach in Civil Engineering
- 37) Water Power Engineering
- 38) Industrial Water Pollution & Control
- 39) Land Development & Drainage Engineering
- 40) Seminar
- 41) Project

Architecture

- 1) English /Communication Skills
- 2) History of Architecture & Human Settlements I. II. III, IV
- 3) Design Fundamentals In Architectures
- 4) Structure- I, II,III,IV,V,VI,VII
- 5) Building Material- I,II,III
- 6) Architecture Drawing and graphics- I,II,III,JV
- 7) Visual Arts- I,II
- 8) Basic Design- I
- 9) Model Workshop- I,II
- 10) Social Science *and* History of culture
- 11) Introduction to computing
- 12) Basic and architectural Design
- 13) Surveying and Leveling
- 14) Climatologic- I,II
- 15) Architectural Design- I,II,III,V,VI
- 16) Building Construction- I,II,III,IV,V,VI
- 17) Anthropometrics
- 18) Building Service- I,II,III
- 19) Acoustics
- 20) Photography
- 21) Specifications
- 22) Air Conditioning and Ventilation
- 23) Landscape Design
- 24) Working drawing- I,II
- 25) Quantity Surveying and Estimating- I,II
- 26) Introduction to sown Planning
- 27) Housing
- 28) Rural Architectural
- 29) Project and Construction management
- 30) Interior Design
- 31) Computer Application
- 32) Appropriate Technology
- 33) Professional Practice- I,II
- 34) Contract Documents and Building Bylaws

- 35) Building Economics
- 36) Elective- I,II,III
- 37) Architectural Construction Project
- 38) Dissertation, Project Work

4) B.o.S. in Computer Engineering & Information Technology

- 1) Computer Programming
- 2) Discrete Structures and Graph Theory
- 3) Industrial Management and Economics
- 4) Programming Laboratory- I
- 5) Microprocessor- I
- 6) Data structures and Files
- 7) Computer organization
- 8) Programming Laboratory- II
- 9) Microprocessor- II
- 10) Theory of Computer Science
- 11) Digital System Design
- 12) Computer Graphics
- 13) System Programming
- 14) Microprocessor- III
- 15) Data Communication
- 16) Software Engineering
- 17) Database Management Systems
- 18) Management Information S
- 19) Application Development Tool
- 20) Practical Training / Special stUi
- 21) Mobile Network
- 22) Artificial Intelligence
- 23) VLSI Design
- 24) Computer Network
- 25) Operating Systems.
- 26) Object Oriented Modeling Design and Architecture
- 27) Embedded Systems
- 28) Neural Network and Fuzzy Logic
- 29) Design and Analysis of Computer Algorithms
- 30) Compiler Construction
- 31) Software Metrics and Quality Assurance
- 32) Advanced Computer Architecture
- 33) Technical Visit! Case Studies
- 34) Seminar
- 35) Project Work

Information Technology

- 1) Discrete Structures and Graph Theory
- 2) Programming Paradigms and methodology
- 3) Industrial Management and Economics
- 4) Programming Laboratory- I
- 5) Microprocessor- I
- 6) Data Communications
- 7) Data Structures And Files
- 8) Object Oriented Programming Methodology
- 9) Information Theory
- 10) Programming Laboratory- II
- 11) Microprocessor- II
- 12) Computer Organization
- 13) Database Management

- 14) Computer Graphics
- 15) System Programming
- 16) Computer Networks and
- 17) Operating System
- 18) Software Engineering
- 19) Web Designing
- 20) Management Information sy.
- 21) Application Development Tools,
- 22) Practical Training! Special study/
- 23) Mobile Network
- 24) Enterprise Resource Planning
- 25) Information Retrieval
- 26) F-Commerce
- 27) Advanced Database Management System
- 28) Object Oriented Modeling Design and Architecture
- 29) Embedded Systems
- 30) Multimedia Techniques
- 31) Image Processing
- 32) Internet Security
- 33) Software Metrics and Quality Assurance
- 34) Data Warehousing and Mining
- 35) Technical Visit Case Studies
- 36) Seminar

Board of Studies

5) B.o.S. in Electronics and Telecommunication & industrial Electronics

Subject or Group of Subjects

Electronics and Telecommunication

- 1) Elements of Electrical and Electronics Engg
- 2) Electronic Devices and Circuits- I
- 3) Digital Electronics
- 4) Electromagnetic Engineering
- 5) Network and Lines
- 6) Component Devices and Technology
- 7) Electronic Devices and Circuits- II
- 8) Principles of Communication System
- 9) Electronic Instrumentation
- 10) Electrical Machines
- 11) Microprocessor Techniques
- 12) Electronic Design I
- 13) Network Analysis and Synthesis
- 14) Signal Conditioning and Data conversion
- 15) Feedback Control System
- 16) Microprocessor Interface & Peripherals
- 17) Communication System- I
- 18) Electronic Design- II
- 19) Power Electronics
- 20) Communication Systems- II
- 21) VLSI Design
- 22) System Programming
- 23) Television Engineering
- 24) Bio-Medical Instrumentation
- 25) Radiation and Microwave Techniques

- 26) Digital Signal Processing
- 27) Seminar
- 28) Computer Communication
- 29) Fiber Optic Communication
- 30) Digital Image Processing
- 31) Information Technology
- 32) Telemetric
- 33) Consumer Electronics
- 34) Electronic Measurement
- 35) Project
- 36) Industrial Electronics and Drives
- 37) Applied Electronics
- 38) Network Analysis
- 39) Signal Conditioning and Data conversion
- 40) Digital and Microprocessor Lab.
- 41) Digital Circuits and Logic Design
- 42) Analog & Digital Electronics

Industrial Electronics

- 01) Electronic Devices and Circuits
- 02) Network and Lines
- 03) Digital Electronic
- 04) Electromagnetic Engineering
- 05) Radio Communication Systems
- 06) Television System
- 07) Microprocessors and Microcomputers
- 08) Industrial Electronics
- 09) Electronic Measurements and Instruments
- 10) Optoelectronics
- 11) Power Electronics
- 12) Medical Electronics
- 13) Control System
- 14) Components and Devices Technology
- 15) Microelectronics
- 16) Electronic Drives and Control
- 17) Electronic Systems design
- 18) Industrial Instrumentation
- 19) Microprocessor based Systems
- 20) Computerized Numerical Controlled Machines
- 21) Robotics
- 22) Modem Control Theory
- 23) Computer Techniques
- 24) Electrical Safety and Power Distribution Systems
- 25) Biomedical Instrumentation
- 26) Elements of Electrical & Electronics Engg.
- 27) Digital Communication

**6) B.o.S. in Electrical
& Instrumentation
Engineering**

Electrical Engineering

- 1) AC Circuits & Transformer
- 2) Electrical Engg. Material
- 3) Electromagnetic Engg.
- 4) Applied Thermodynamics
- 5) Digital Computational Techniques
- 6) Electrical Machine- I
- 7) Electrical measurement- I
- 8) Applied Electronics- I

- 9) Fluid Mechanics & Machinery
- 10) Applied Electronics- II
- 11) Electrical Mechanics- II
- 12) Power System- I,II
- 13) Network Analysis
- 14) Electrical Installation Ratio nation and Distribution
- 15) Microprocessors Fundamentals & Applications
- 16) Industrial Organization & Management
- 17) Electrical Measurement- II
- 18) Principles of Electrical Machine Design
- 19) Practical Training/Special Study/Minor Project
- 20) Power Electronics
- 21) Contract System- I & II
- 22) Switch Gear Protection
- 23) Project
- 24) Seminar
- 25) Industrial Electrical Engineering
- 26) Power System Stability
- 27) High Voltage Engineering
- 28) Power System. Operation & Contract
- 29) Electromechanical Energy Conversion
- 30) Microprocessor Based System
- 31) Power System design practices
- 32) Electric Traction Engg.

Instrumentation

- 1) Industrial Instrumentation
- 2) Electronics Device & Circuits
- 3) Digital Techniques
- 4) Electromagnetic Engg.
- 5) Workshop Technology & Fabrication Techniques
- 6) Transducers & Signal Conditioners
- 7) Engg. Materials
- 8) Electrical Machines
- 9) Thermal & Food Power Engg.
- 10) Engg. Math- III
- 11) Elective-i-DSP
- 12) Elective-I-PPI
- 13) Elective-I-Micro Electronics
- 14) Elective-1-AET
- 15) Unit Operations
- 16) Process Equipment Design
- 17) Process Instrumentation PT
- 18) Seminar
- 19) Project
- 20) Elective-II-FONT
- 21) Elective II-Fuzzy & Nurul Neww
- 22) Elective-II-BI
- 23) Elective-II-Computer Networks
- 24) instrumentation System Design
- 25) Project Planning Estimation & Assessments
- 26) Process Modeling & Optimization
- 27) Technical Visits

7) B.o.S. in Mechanical Production & Automobile Engineering

Mechanical Engineering

- 1) Engineering Graphics - I
- 2) Workshop Practice - I
- 3) Engineering Graphics -II
- 4) Elements of Mechanical Engineering
- 5) Workshop Practice - II
- 6) Energy Conversion -I
- 7) Machine Drawing & Computer Graphics
- 8) Dynamics of Machinery-I
- 9) Manufacturing Process
- 10) Workshop Practice -III
- 11) Energy Conversion -II
- 12) Material science
- 13) Workshop Practice -IV
- 14) Numerical analysis and Computational Method
- 15) Engineering Metallurgy
- 16) Ind. Engg. and Management
- 17) Machine Design- I
- 18) Heat Transfer and Gas Dynamics
- 19) Workshop Practice-V
- 20) Turbo Machinery
- 21) Manufacturing Technology
- 22) Dynamics of Machinery-II
- 23) Machine design -II
- 24) Metrology & Quality Control
- 25) Practical Training! Special *study!* Minor Project! EDP
- 26) Non-Conventional Energy Sources
- 27) MJC Tool design
- 28) Operation Research
- 29) Robotics
- 30) Automobile Engg.-I
- 31) Mechanical Estimation & Costing
- 32) Reliability Engg.
- 33) Machine Design-III
- 34) Refrigeration & Air Conditioning
- 35) Project & Financial Management
- 36) Seminar
- 37) Power Plant Engg.
- 38) Mgt. Information system
- 39) Materials Management
- 40) Energy Conversion & Mgt
- 41) Automobile Engg.-II.
- 42) Production Planning & Control
- 43) Analysis & Synthesis of Mechanism
- 44) CAD& CAM
- 45) Tribology
- 46) Mechanical Vibration
- 47) Project
- 48) Technical Visits
- 49) Engg. Metalogy
- 50) CAD /CAM

- 51) Industrial Engg. & Management
- 52) Machine Design-I
- 53) Heat Transfer & Mass Transfer
- 54) Workshop Practice-V
- 55) Metrology & Quality Control
- 56) Hydraulics & Pneumatics
- 57) Automobile Systems
- 58) Dynamics of Machinery-II
- 59) Manufacturing Technology
- 60) Practical Training

Automobile

- 1) Engg. Metalogy
- 2) CAD /CAM
- 3) Industrial Engg. & Management
- 4) Machine Design- I
- 5) Heat Transfer & Mass Transfer
- 6) Workshop Practice-V
- 7) Metrology & Quality Control
- 8) Hydraulics & Pneumatics
- 9) Automobile Systems
- 10) Dynamics of Machinery-II
- 11) Manufacturing Technology
- 12) Practical Training

Production

- 1) Tool Design
- 2) Production, Planning & Control
- 3) Financial Management & Cost Control;
- 4) Project
- 5) Seminar
- 6) Elective-I-Energy Management
- 7) Elective-I-Total Quality Management
- 8) Elective-I- Automobile Engg.-I
- 9) Elective-I- Non Conventional Energy
- 10) Elective-I- Management Information System
- 11) Trilogy
- 12) CAD CAM
- 13) Materials Management
- 14) Technical Visit
- 15) Elective-II-Mechanical Estimation & Costing
- 16) Elective-II-Industrial Relations
- 17) Elective-II-Automobile Engg-II
- 18) Elective-II-Power Plant Engg
- 19) Elective-II-Foundry

FACULTY OF COMMERCE & MANAGEMENT

1) BoS in Accountancy & Costing

- | | |
|--|---|
| 1. Financial & Cost Accounting | 2. Financial Accounting |
| 3. Financial & Cost Accountancy | 4. Corporate Accounting & Costing |
| 5. Corporate Accounting | 6. Advance Accounting & Costing Method |
| 7. Advance Accounting & Costing Techniques | 8. Income Tax |
| 9. Financial & Management Accountancy | 10. Direct & Indirect Tax Laws |
| 11. Corporate laws & Income Tax Laws | 12. Auditing |
| 13. Auditing Practices | 14. Income Tax Laws |
| 15. Direct & Indirect Tax Laws | 16. Advanced Accounting |
| 17. Advanced cost & Management Accounting | 18. Income Tax |
| 19. Principles & Practice of Auditing | 20. Corporate Accounting & Auditing |
| 21. Management Accountancy | 22. Auditing |
| 23. Income Tax Law | 24. Corporate Accounting & Auditing |
| 25. Auditing | 26. Management Accounting |
| 27. Advanced Accountancy | 28. Advanced cost Accountancy |
| 29. Direct & Indirect Law | 30. Accountancy for Managers |
| 31. Financial Accounting and Cost Control | 32. Information System Audit (ISA) |
| 33. System Analysis and Design | 34. Human Resource Auditing & Outsourcing |
| 35. Cost Accounting | 36. Costing Methods & Techniques |
| 37. Financial Accounting for Manager (Tally 9.2) | 38. Management Accounting |
| 39. Information System Audit (ISA) | 40. Business Accounting |

2) BoS in Commerce & Business Laws

- | | |
|--|--|
| 1. Corporate Laws | 2. Principles and Practices of Insurances |
| 3. E - Commerce | 4. Stock & Commodity Market |
| 5. Co-operative Laws & Micro Finance | 6. Foundation course in Comm & Management |
| 7. Business Law | 8. Business Communication |
| 9. Business & Tax Laws | 10. Corporate regulatory framework |
| 11. Business Processing outsourcing | 12. Enterpreneursip Management |
| 13. Business Communication | 14. Production Management & Operation Management |
| 15. Business Ethics & Corporate Governance | 16. Company Law |
| 17. Operation & Material Management | 18. Insurance & Risk Management |
| 19. E-Commerce | 20. Business Entrepreneurship |
| 21. Stock & Commodity Market | 22. Production & Material Management |
| 23. Communication Skills | 24. International Business |
| 25. Mercantile Laws | 26. Export & Import Management |
| 27. Investment management | 28. Financial Management |
| 29. Production & Material Management | 30. Corporate Governance |
| 31. Communication Skills | 32. Agro Business |
| 33. Corporate Laws | 34. Business Research Methods |
| 35. Competitive Skills | 36. Business Laws |
| 37. Import & Export Management | 38. Corporate Laws |
| 39. Business & Mercantile Law | 40. Entrepreneurship Development |
| 41. Stock & Commodity Market | 42. Industrial Relation |
| 43. Business ethics and Corporate Governance | 44. Entrepreneurship Development |

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|---|--|
| 45. Production & Operation Management | 46. Financial Management |
| 47. Business Research Methods | 48. Introduction to operations Management |
| 49. Corporate Social Responsibility | 50. Corporate Communication Skills |
| 51. E-Commerce & Excellence Management | 52. Enterprenuer & Project Management |
| 53. Legal Aspects of Business | 54. Indian Commercial Laws |
| 55. Operation Management | 56. Stock & Commodity Markets |
| 57. Introduction to ERP and SAP | 58. Business & Correspondence & Communication Skills |
| 59. Social issues and responsibility | 60. Industrial relations & trade unions |
| 61. Laws relating to industrial relations | 62. Soft skills building |
| 63. Social security & Welfare regulations | 64. Industrial Compliance Framework |
| 65. Labour Welfare | 66. Industrial Counseling & Negotiations |
| 67. Public Relation | 68. Consumer Protection and Business Ethics |
| 69. Research Methodology in Commerce | 70. Organization Behavior |
| 71. Entrepreneurship and Project Management | 72. Foundation Course for Managers |
| 73. Professional Communication | 74. Career Management and Counseling |
| 75. Soft Skill Development | |

3) BoS in Business Administration

- | | |
|--|------------------------------------|
| 1. Modern office Management | 2. Marketing & Advertising |
| 3. Marketing Management | 4. Organization & Management |
| 5. Financial Analysis & journalism | 6. Retail management |
| 7. Financial Services & Instruments | 8. Supply Chain Management |
| 9. Portfolio Management | 10. Service Management |
| 11. Investment Management | 12. Financial Management |
| 13. Business Administration - Paper I,II | 14. Corporate Regulatory Framework |

4) BoS in Business Economics & Banking

- | | |
|---|--------------------------------------|
| 1. Principles & Practices of Banking | 2. Micro economic Analysis |
| 3. Business Economics | 4. Managerial Economics |
| 5. Macro economic analysis | 6. Modern Banking & Financial system |
| 7. Econometrics | 8. Banking & Finance |
| 9. Current Economic Scenario | 10. Indian Economy |
| 11. Indian Economic Scenario | 12. Global Economics |
| 13. Advanced Banking | 14. Economics of Industries |
| 15. Economics of Environment & Research Methodology | 16. Banking and Finance |

5) BoS in Management of Studies

- | | |
|--|---|
| 1. Human Resource Management | 2. Modern Management Techniques |
| 3. Bank Management | 4. Organizational Behavior |
| 5. Strategic Management | 6. Agro Business management |
| 7. Industrial Physiology & Sociology | 8. Personal Administration & Management |
| 9. Laws for wages & working conditions | 10. Risk Management |
| 11. Training & Development | 12. Placement Activity Management |
| 13. Modern Management Technology | 14. Modern Retail Management |
| 15. Hospitality Management | |

6) BoS in Computer Management

- | | |
|---|--|
| 1. Quantiative Tech. & computing skills | 2. Business Statistics |
| 3. Programming in C++ | 4. Business Mathematics |
| 5. Office Automation | 6. Internet & Application |
| 7. Internet & Web Page design | 8. Basic of Database Internet & web Designing using HTML |

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|---|---|
| 9. Introduction to Visual Basic | 10. E-Commerce & IT Act,2000 |
| 11. Introduction of MS-Access | 12. Computing Management |
| 158. Business Statistics
& Operations Research | |
| 13. Database system & DB-2 | 14. Programming Visual Basic-6 |
| 15. Database Concepts & MS-Access | 16. Database Programming through VB 6.0 |
| 17. Programming in VC++ | 18. Programming in ASP |
| 19. MIS and Data Security | 20. System Analysis and Designing |
| 21. System Analysis & ERP | 22. Information Management |
| 23. RDBMS Oracle | 24. ERP and SAP |
| 25. Java Programming | 26. Developer 2000 (D2K) |
| 27. Information System Audit | 28. Computer Applications for Business |
| 29. Systems Management and ERP I&II | 30. Quantitative Techniques |
| 31. MIS & Management and ERP | 32. Mathematical Techniques |
| 33. Introduction Programming using C++ | 34. Computer Networks and Web design |
| 35. Introduction to DBMS | 36. Data Structure |
| 37. Object Oriented Programming using
C++ | 38. Computer Animation using Flash and
Statistical Quality Control |
| 39. VB.NET | 40. Design of Experiments and Competitive skills |
| 41. Numerical Methods | 42. Introduction to R |
| 43. Computer Fundamentals & Office
Automation | 44. Introduction of Internet & Web Technology |
| 45. Human Resource Information
System & ERP | 46. Research Methodology & Statistical Tools |
| 47. Operating Systems | 48. Web Designing & Web tools |
| 49. Computer Fundamentals &
Hardware/Software Installation | 50. Ruby Programming Language |
| 51. 245. DBS & SQL Server | 52. M I S & ERP |
| 53. Introduction to Animation & Flash | 54. Software Designing & Development |
| 55. Lab- III (2.1&2.2) & Lab IV(2.3) | 56. Lab- V(3.1&3.4) & Lab VI(3.5) |
| 57. Information Security & Cyber law | 58. Quality Control & Software Testing |
| 59. Lab-IV(4.1&4.4) & Lab-VIII(4.5) | 60. Research Methodology & Statistical Tools |
| 61. Information System for Business | 62. Cyber Crime and Security |

Functional Electives

A

- | | |
|------------------------|----------------------------------|
| 1. Web Mining Concepts | 2. Scripting languages |
| 3. C#.Net | 4. Website Management & Services |
| 5. ASP.NET | 6. PHP & AJAX |

B

- | | |
|---------------------------------------|-------------------------------|
| 1. Database Administration & Security | 2. Java |
| 3. VB.Net | 4. Data Mining & ware housing |
| 5. Oracle & D2K | 6. J2EE & J2ME |

C

- | | |
|--|--------------------------------|
| 1. Introduction Designing & Graphics | 2. Digital Graphics Design |
| 3. 3D Animation using Houdini | 4. Advanced Computer Animation |
| 5. Post Production Processes for Animation | 6. 3D Animation using Mays |

FACULTY OF EDUCATION

Board of Studies

1) B.o.S. in Education

Subject or Group of Subjects

1. Education and Development
2. Education an Evolutionary Perspective
3. Contemporary issues and concerns in secondary Education
4. Education: A Global perspective
5. Mental Retardation: The multidisciplinary Perspective
6. Education in India- A Global Perspective
7. Process of Education
8. Curriculum Development and Transaction
9. Education as a Field of Study / Education in 21st Century
10. Teacher Education
11. Foundations of Distance Education
12. Educational Technology
13. New trends in Education
14. Advanced Educational Theory
15. Fundamental Of Educational Theory

2) B.o.S. in Educational Psychology

1. Learner and Learning
2. Teaching: Approaches, Strategies
3. Learning Resources
4. Various disabilities and Educational Psychology
5. Identification and Assessment of mental Retardation
6. An Introduction to Educational Psychology and Nature of Various Disabilities
7. Introduction to Visual Impairment and personality development
8. Educational Perspectives of Visual Impairment and intelligence
9. Psychology for Individual and Social Development
10. Statistical Methods for data analysis
11. Inclusive Education for Children with Diverse Needs
12. Learner, Learning and Teaching Process
13. Methodology of Educational Research and Statistical Methods

3) B.o.S. in Administration and Evaluation

1. Classroom Organization and Management
2. Assessment and Evaluation
3. Pedagogical content Knowledge CCM-I,III (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Mathematics, Science)
4. Pedagogical content Knowledge CCM- II,IV (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Maths, Science)
5. Mental Retardation: Curriculum and Teaching Strategies
6. Subject Teaching
7. Teaching and Learning Methods with Visual Impairment
8. Educational Guidance and Counseling
9. Educational, Planning, Management and Financing of Education
10. Information Communication and Technology and E-learning
11. Secondary and Higher Secondary Education

4) B.o.S. in Physical Education

1. Foundations & History of Physical Education
2. Anatomy, Physiology & Health Education
3. Organization Administration in Physical Education
4. Method in General School Subjects- [Marathi, Hindi, English, History, Geography, Science, Mathematics]
5. Psychological base of Physical Education.
6. Officiating, Coaching & Evaluation in Physical Education
7. Computer in Physical Education
8. Teaching Methodology in Physical Education
9. Science of sports training
10. Test Measurement & Evaluation and Physical Education
11. Sports Biomechanics
12. ICT (Information Computer Technology)
13. Yoga Science
14. Research Methodology
15. Management Officiating and Coaching
16. Physical Fitness & Wellness
17. Sports Sociology
18. Management in Physical Education & Sports
19. Sports Psychology
20. Sports Nutrition
21. Sports Medicine
22. Curriculum Design In Physical Education
23. Health & Fitness Management
24. Recreational and Luster Time Management
25. Personality Development Programme and Life Skill
26. English
27. Foundations of Physical Education
28. Health Education
29. Sport Psychology
30. Organization, Administration in Physical Education
31. Anatomy
32. Marathi / Hindi
33. General Science
34. Computer in Physical Education
35. Physiology
36. Sports Sociology
37. Management Of Physical Education
38. History of Physical Education
39. Kinesiology
40. Recreation
41. Personality Development
42. Professional Preparation
43. Biomechanics
44. Methods of Physical Education
45. Officiating & Coaching
46. Basic of Sport Training
47. Sports Injuries & Rehabilitation
48. Fitness & Nutrition /Yoga
49. Test & Measurement

Direction No. 5 :- The Department in the Colleges with the subjects and their corresponding Board of Studies.

(Under Section 37(1)(2) of the Maharashtra Universities Act 1994.)

The department in the Colleges teaching the subjects at the special, principal, major or main level for the purposes of Board of Studies under section 37(1)(2) of the Maharashtra Universities Act 1994 and Direction-4 shall be as given below.

FACULTY OF ARTS AND FINE ARTS

College Departments with the Subject Covered under the respective Deptts.

Corresponding Board of Studies

Department of Marathi

B.o.S. in Marathi

Department of Hindi

B.o.S. in Hindi

Department of English & Linguistics

B.o.S. in English

Department of Sanskrit, Pali & Ardhamagadhi

B.o.S. in Ancient Indian Languages

Department of Urdu, Persian & Arabic.

B.o.S. in Urdu, Persian & Arabic.

Department of Music,

Department of Dancing,

Department of Dramatics,

Department of Drawing and Painting,

Department of Sculpture,

Department of Applied Arts.

B.o.S. in Fine and Performing Arts.

FACULTY OF MENTAL, MORAL AND SOCIAL SCIENCES

College Departments with the Subject Covered under the respective Depts

Corresponding Board of Studies

Department of History

History & History of Civilization

B.o.S. in History

Department of Philosophy

Philosophy & Logic

B.o.S. in Philosophy

Department of Sociology / Social Work & Anthropology. (Includes M.S.W. /B.S.W. Colleges & Law Colleges)

B.o.S. in Sociology & Social Work

Department of Political Science

Political Science, Civics and Public Administration.

(Includes Commerce & Law Colleges)

B.o.S. in Political Science

Department of Economics

Economics, Home-Economics

B.o.S. in Economics

Department of Mass Communication & Journalism

Communication & Journalism,

B.o.S. in Mass Communication & Journalism

Department of Defense & Strategic Studies

Strategic Studies

B.o.S. in Defense & Strategic Studies

Department of Psychology

Psychology

Yogic science

B.o.S. in Psychology

Department of Library & Information Sci.

Library & Information Science

B.o.S. in Library & Information Science

FACULTY OF SCIENCE

College Departments with the Subject Covered under the respective Depts	Corresponding Board of Studies
Department of Mathematics Computational Mathematics	B.o.S. in Mathematics
Department of Statistics Statistics	B.o.S. in Statistics
Department of Physics Physics, Energy Studies Material Science	B.o.S. in Physics
Department of Organic Chemistry / Department of Physical Chemistry Organic Chemistry Physical Chemistry	B.o.S. in Chemistry
Department of Botany Botany	B.o.S. in Botany
Department of Computer Science Computer Science Information Technology Computer Application (MCA) Software Development Printing & Publishing	B.o. S. in Computer Science
Department of Zoology Zoology	B.o.S. in Zoology
Department of Geography Geography for (all faculties)	B.o.S. in Geography
Department of Life Sciences Microbiology, Biochemistry Biotechnology, Molecular Biology	B.o.S. in Life Sciences.
Department of Electronics & Instrumentation Electronics, Instrumentation	B.o.S. in Electronics & Instrumentation
Department of Environmental Sciences Environment Science Agriculture Soil & Water Conservation	B.o S. in Environmental Science
Department of Chemical Sciences Polymer Chemistry, Pesticides & Agro Chemicals Industrial Chemistry	B.o.S. in Chemical Science
Department of Geology Geology Applied Geology Geo informatics	B.o.S. in Geosciences

FACULTY OF LAW

College/ Department of Law

Corresponding Board of Studies

B.o.S. in Law

- 1) Constitutional Law
- 2) History of Courts
- 3) Administrative Law
- 4) Human Rights & International Law
- 5) Environmental Law
- 6) Transfer of Property Act
- 7) Land Laws
- 8) Law of Trust
- 9) Family Law
- 10) Labour Laws
- 11) Taxation Laws (All Subjects of DTL & MLL & LW)
- 12) Banking Laws includes N.I. Act,
- 13) Company Law
- 14) Contract Laws
- 15) Jurisprudence
- 16) Legislative Principles & Interpretation of Statutes
- 17) Legal Language Includes Legal Writing
- 18) Legal Language Includes General English
- 19) Law of Torts
- 20) Law of Medicine
- 21) Civil Procedure Code
- 22) Criminal Procedure Code
- 23) Law of Evidence
- 24) Law of Crimes
- 25) Criminology & Penology
- 26) Arbitration, Conciliation & ADR Systems

FACULTY OF PHARMACY

Dept. of Pharmaceutics

B.o.S. in Pharmaceutics

- 1) Bio-pharmaceutics
- 2) Dispensing pharmacy
- 3) Pharmaceutical Technology
- 4) Cosmetic Technology
- 5) Pharmaceutical Microbiology
- 6) Novel Drug Delivery System

Dept. of Pharmaceutical Chemistry

B.o.S. in Pharmaceutical Chemistry

- 1) Pharmaceutical Chemistry
- 2) Organic Chemistry
- 3) Pharmaceutical inorganic chemistry
- 4) Drug Chemistry
- 5) Medicinal Chemistry

Dept. of Pharmacognosy & Pharmacology**B.o.S. in Pharmacognosy & Pharmacology**

- 1) Herbal Drug
- 2) Tissue Culture
- 3) Pharmacognosy and phytochemistry
- 4) Marine Drug
- 5) Pharmacology
- 6) Anatomy and Physiology
- 7) Pathophysiology
- 8) Hospital and community pharmacy
- 9) Clinical Pharmacology
- 10) Clinical Pharmacy

Dept. of B.Tech. (Cosmetics)**B.o.S. in B.Tech. (Cosmetics)**

- 1) Cosmetic Engineering
- 2) Beauty Culture
- 3) Cosmetic Technology
- 4) Perfumes & Colors

FACULTY OF ENGINEERING & TECHNOLOGY**College Department with subject Covered under the respective Department****Dept. of Applied Science**

Physics ,

Chemistry (applied to all branches of Engineering),

Engineering Mathematics (applied to all branches of Engineering)

Engineering Economics & Industrial Psychology,

Communication Skills,

Engineering Economics & Resource Management

1) B.o.S. in Applied Science**Deptt. of Chem. Engg. / Technology****2) B.o.S. in Chemical Engg. & Chemical Technology**

Generation And Transmission of Mechanical Power

Applied Mathematics-I, Organic Chemistry,

Workshop Technology, Applied Physical Chemistry

Computer Programming and Application,

Physical Chemistry, Organic Chemistry- I,

Electrical Engineering And Electronics, Engineering Graphics.

Physics , Inorganic Chemistry, Applied Mathematics- II,

Material Technology, Applied & Structural Mechanics,

Process heat transfer, Structural Mechanics, Fluid Mechanics

Organic Chemistry-II, Industrial Management &

Communication Skill, Industrial Tachometry,

Mass Transfer, Instrumentation & Process Control,

Machine Design, Mechanical Operation,

Process Engineering Thermodynamics,

Project Engineering & Economics,

Presentation On Industrial Training & Tour. Project

Chemical Reaction, Process Equipment Design,

Technical Seminar, Physical Chemistry- I.

Industrial Engineering Chemistry. Mass Transfer- I

Math-III, Chemical Reaction Engineering- I,

Chemical Reaction engineering- II,

Machine Design & Drawing, Chemical Engineering Math

Instrumentation & Instrumental Analysis, Process Equipment Design

Transport Phenomena, Modeling Simulation

& Computer Design, Process Dynamic & Control.
 Plant Design. Economics & Costing, Elective I,II,III*
 Chemistry of Oil's Fats, Post Harvest Technology
 of Oleaginous Materials, Refining of Oils & Fats
 Quality Control Techniques in Oil and Fats.
 Technology of Waxes and Biochemistry of Lipids,
 Technology of Fats Slitting and Soaps,
 Industrial Hydrogenation & High Fat Products
 Chemistry of Surfactants & Oil chemicals.
 Technology of Essential Oils & Cosmetics, Technology of Surfactants & Detergents
 Modified & Tailor Made Oils, Process Equipment Design
 Principles of Polymers, Chemistry of Drying Oils,
 Alkyl Resin & Varnish, Chemistry &
 Technology of Polymers-I, Inorganic Pigments & Extenders.
 Color Testing Organic Pigments & Additives Chemistry
 & Tech of Polymers-II, Formulation & Manufacture of Coatings-I,
 Chem. & Technology of Pigment Dispersion.
 Evaluation of Surface Coatings and Paint Defects,
 Technology of Printing inks & Application Techniques,
 Elements of Food Chemistry. Bio Chemistry & Nutrition
 Microbiology & Molecular Biology, Principal of Food Preservation
 Food Processing-I, Food Processing-II, Biotechnology
 Packing Technology, Food Quality, Biochemical Engineering
 Treatment & Disposal of Food Industry Waste,
 Analysis of Finished Food Products, High Polymer Chemistry
 Processing Plastics-I, Plastics Tech. Lab,
 processing of Plastics-II. Technology Elastomers & Additives
 Testing of Plastics. Polymer Rhcology. Mould and Die Design
 Polymer Blends & Composites
 Oleo Chemistry & Surfactants
 Nano Technology
 Pharmaceuticals Technology
*** Elective- I**
 Fuel & Combustion, Particulate Technology. Polymer Chemistry
 Catalysis. Energy Recourses & Utilization
*** Elective- II,**
 Envier mental Engineering, Electrochemical Engineering
 Biochemical Engineering, Multiphase Reaction
 Petroleum Engineering
*** Elective- III**
 Industrial Thermodynamics, Newer separation Process
 Polymer Engineering, Applied Catalysis

3) B.o.S. in Civil Engineering & Architecture

Department of Civil Engineering & Architecture

Engineering Mechanics, Elements of Civil Engineering,
 Mechanics of Structures, Building Construction,
 (Geotechnical Engineering, Surveying, Theory of Structure-i,
 Building Design & Town Planning, Concrete Technology
 & Construction Materials, Highway. Airport & Bridges
 Fluid Mechanics, Advanced Surveying, Advanced Fluid Mechanics
 Design of Concrete Structures, Irrigation Engineering,
 Transportation Engineering, Public Health Engineering

Engineering Geology, Design of Steel Structures
 Advanced Theory of Structures, Foundation Engineering
 Practical Training Special Study, Quantity Surveying & Valuation
 Numerical Analysis & Computer Application. Environmental Engineering
 Water Shod Management, Earthquake Resistant Design,
 Remote Sensing in Civil Engineering, Earth Structures,
 Open Channel & Conduit Flow. Low Cost Construction &
 Rural Development technique, Dams & Hydraulics Structures
 Analysis & Design of Special Structures, Construction Management
 Advanced Highway Engineering, Finite Element Method,
 Systems Approach in Civil Engineering, Water Power Engineering,
 Industrial Water Pollution & Control, Land Development &
 Drainage Engineering, Seminar, Project

Architecture

English /Communication Skills, History of Architecture
 & Human Settlements I, II. III, IV, Design Fundamentals
 In Architectures, Structure- I. II. III, IV, V. VI, VII.
 Building Material- I, II, III, Architecture Drawing
 and graphics- I, II, III, IV, Visual Arts- I,H, Basic Design- I
 Model Workshop- I,II, Social Science and History: of culture
 Introduction to computing, Basic and archixiura1 Design
 Surveying and Leveling, Climatology- I, II,
 Architectural Design- I, II, III.IV V. VT, Building Construction -
 I, II, III, IV, V, VI, Anthropometrics, Building Service- I, II, III,
 Acoustics, Photography, Specifications,
 Air Conditioning and Ventilation, Landscape Design
 Working drawing- I,II. Quantity Surveying and Estimating- I, II,
 Introduction to town Planning, Housing, Rural Architectural,
 Project and Construction management, Interior Design,
 Computer Application, Appropriate Technology, Professional Practice- I,II
 Contract Documents and Building Bylaws. Building Economics
 Elective- I,II.III. Architectural Construction Project, Dissertation, Project Work

Department of Computer Engineering & Information Technology

4) B.o.S. in Computer Engineering & Information Technology

Computer Engineering

Computer Programming, Discrete Structures
 and Graph Theory, Industrial Management and Economics
 Programming Laboratory- I. Microprocessor- I,
 Data structures and Files, Computer organization,
 Programming Laboratory- II, Microprocessor-II, Theory of Computer Science
 Digital System Design, Computer Graphics, System Programming
 Microprocessor-III, Data Communication, Software Engineering,
 Database Management Systems, Management Information S
 Application Development Tool, Practical Training / Special stUi
 Mobile Network, Artificial Intelligence, VLSI Design
 Computer Network, Operating Systems,
 Object Oriented Modeling Design and Architecture,
 Embedded Systems, Neural Networks and Fuzzy Logic
 Design and Analysis of Computer Algorithms
 Compiler Construction, Software Metrics and Quality Assurance
 Advanced Computer Architecture, Technical Visit! Case Studies
 Seminar, Project Work

Information Technology

Discrete Structures and Graph Theory,
Programming Paradigms and methodology
Industrial Management and Economics, Programming Laboratory- I
Microprocessor-I, Data Communications. Data Structures And Files
Object Oriented Programming Methodology *Information Theory*
Programming Laboratory-H, Microprocessor- II, Computer Organization
Database Management, Computer Graphics. System Programming
Computer Networks and, Operating System, Software Engineering
Web Designing, Management Information sy,
Application Development Tools, Practical Training! Special study
Mobile Network, Enterprise Resource Planning
Information Retrieval, E-Commerce,
Advanced Database Management System,
Object Oriented Modeling Design and Architecture
Embedded **Systems**, Multimedia Techniques,
Image Processing Internet Security,
Software Metrics and Quality Assurance. Data Warehousing and Mining
Technical Visit! Case Studies, Seminar, Project Work

Department of Electronics, Electronics & Telecommunication & Industrial Electronics

Electronics and Telecommunication

Elements of Electrical and Electronics Engineering,
Electronic Devices and Circuits- I. Digital Electronics
Electromagnetic Engineering, Network and Lines,
Component Devices and Technology, Electronic Devices and Circuits- II
Principles of Communication System, Electronic Instrumentation
Electrical Machines, Microprocessor Techniques, Electronic Design- I
Network Analysis and Synthesis, Signal Conditioning and Data conversion,
Feedback Control System, Microprocessor Interface & Peripherals
Communication System- I, Electronic Design- II, Power Electronics
Communication. Systems - H, VLSI Design. System Programming
Television Engineering, Bio-Medical Instrumentation,
Radiation and Microwave Techniques, Digital Signal Processing
Seminar, Computer Communication, Fiber Optic Communication
Digital Image Processing. Information Technology, Telematics
Consumer Electronics, Electronic Measurement. Project
Industrial Electronics and Drives. Applied Electronics,
Network Analysis, Signal Conditioning and Data conversion,
Digital and Microprocessor Lab., Digital circuit and Logic Design
Analog & Digital Electronics

5) B.o.S. in Electronics, Electronics & Telecommunication & Industrial Electronics

Department of Electrical and Instrumentation Engineering

Electrical Engineering

AC Circuits Transformer,
Electrical Engineering Material,
Electromagnetic Engineering. Applied Thermodynamics,
Digital Computational Techniques. Electrical Machine- I.
Electrical measurement-I, Applied Electronics-I
Fluid Mechanics & Machinery . Applied Electronics- II
Electrical Mechanics-II, Power System- I, II
Network Analysis, Electrical Installation Ratio nation and Distribution
Microprocessors Fundamentals & Applications.

6) B.o.S. in Electrical and Instrumentation Engineering

Industrial Organization & Management, Electrical Measurement- II
Principles of Electrical Machine Design,
Practical Training/Special Study/Minor Project,
Power Electronics, Contract System- I & II. S h Gear Protection
Project, Seminar, Industrial Electrical Engineering, Power System Stability
High Voltage Engineering, Power System, Operation & Contract
Electromechanical Energy Conversion, Microprocessor Based System
Power System design practices, Electric Traction ENGINEERING

Instrumentation

Industrial Instrumentation, Electronics Device & Circuits
Digital Techniques, Electromagnetic Engineering,
Workshop Technology & Fabrication Techniques,
Transducers & Signal Conditioners, Engineering Materials,
Electrical Machines, Thermal & Food Power Engineering
Engineering Math-III, Elective-i-DSP, Elective-I-PPI,
Elective-i-Micro Electronics, Elective-1-AET, Unit Operations
Process Equipment Design, Process Instrumentation P1
Seminar, Project, Elective-II-FONT, Elective H-Fuzzy & Nurul New
Elective-II-BI, Elective-II-Computer Networks instrumentation System Design
Project Planning Estimation & Assessments, Process Modeling & Optimization
Technical Visits,

Department of Mechanical Production & Automobile Engineering

Mechanical Engineering

7) B.o.S. in Mechanical, Production & Automobile Engineering

Engineering Graphics- I, Workshop Practice- I
Engineering Graphics- II. Elements of Mechanical Engineering
Workshop Practice- II, Energy Conversion- I
Machine Drawing & Computer Graphics, Dynamics of Machinery- I
Manufacturing Process, Workshop Practice- III
Energy Conversion- II, Material science, Workshop Practice- IV
Numerical analysis and Computational Method, Engineering Metallurgy
Ind. Engineering and Management, Machine Design- I,
Heat Transfer and Gas Dynamics, Workshop Practice- V
Turbo Machinery, Manufacturing Technology, Dynamics of Machinery- II
Machine design- II, Metrology & Quality Control.
Practical Training! Special study! Minor Project! EDP,
Non-Conventional Energy Sources, M/C Tool design, Operation Research
Robotics, Automobile Engineering-i, Mechanical Estimation & Costing
Reliability Engineering, Machine Design-III, Refrigeration & Air Conditioning
Project & Financial Management, Seminar, Power Plant Engineering
Mgt. Information system, Materials Management, Energy Conversion & Mgt.
Automobile Engineering- II, Production Planning & Control
Analysis & Synthesis of Mechanism, CAD& CAM
Tribology, Mechanical Vibration, Project, Technical Visits
Engineering Met logy, Cat Cam, Industrial Engineering & Management
Machine Design- I, Heat Transfer & Mass Transfer,
Workshop Practice- V, Metrology & Quality Control
Hydraulics & Pneumatics, Automobile Systems,
Dynamics of Machinery- II, Manufacturing Technology
Practical Training

Automobile

Engineering Met logy, Cat Cam,
Industrial ENGINEERING & Management, Machine Design- I
Heat Transfer & Mass Transfer, Workshop Practice- V
Metrology & Quality Control, Hydraulics & Pneumatics
Automobile Systems, Dynamics of Machinery- II
Manufacturing Technology, Practical Training

Production

Tool Design, Production, Planning & Control
Financial Management & Cost Control, Project
Seminar, Elective-I-Energy Management
Elective-I-Total Quality Management,
Elective-I- Automobile Engineering- I
Elective-I- Non Conventional Energy, Elective- I - Management Information System
Trilogy, CAD CAM, Materials Management, Technical Visit

Elective-TI-Mechanical Estimation & Costing,
Elective-II-Industrial Relations
Elective-I I-Automobile Engineering- II,
Elective-II-Power Plant Engg.
Elective-II-Foundry Engineering

FACULTY OF COMMERCE & MANAGEMENT

**College / Department with the Subject
Covered under the respective Department**

Corresponding B.O.S.

Dept. of Accountancy & Costing

1. Financial & Cost Accounting
3. Financial & Cost Accountancy
5. Corporate Accounting
7. Advance Accounting & Costing
Techniques
9. Financial & Management Accountancy
11. Corporate laws & Income Tax Laws
13. Auditing Practices
15. Direct & Indirect Tax Laws
17. Advanced cost & Management
Accounting
19. Principles & Practice of Auditing
21. Management Accountancy
23. Income Tax Law
25. Auditing
27. Advanced Accountancy
29. Direct & Indirect Law
31. Financial Accounting and Cost Control
33. System Analysis and Design
35. Cost Accounting
37. Financial Accounting for Manager
(Tally 9.2)
39. Information System Audit (ISA)

BoS in Accountancy & Costing

2. Financial Accountancy
4. Corporate Accounting & Costing
6. Advance Accounting & Costing Method
8. Income Tax
10. Direct & Indirect Tax Laws
12. Auditing
14. Income Tax Laws
16. Advanced Accounting
18. Income Tax
20. Corporate Accounting & Auditing
22. Auditing
24. Corporate Accounting & Auditing
26. Management Accounting
28. Advanced cost Accountancy
30. Accountancy for Managers
32. Information System Audit (ISA)
34. Human Resource Auditing & Outsourcing
36. Costing Methods & Techniques
38. Management Accounting
40. Business Accounting

Dept. of Commerce & Business Laws

1. Corporate Laws
3. E - Commerce
5. Co-operative Laws & Micro Finance
7. Business Law
9. Business & Tax Laws
11. Business Processing outsourcing
13. Business Communication
15. Business Ethics & Corporate Governance
17. Operation & Material Management
19. E-Commerce
21. Stock & Commodity Market
23. Communication Skills
25. Mercantile Laws
27. Investment management
29. Production & Material Management
31. Communication Skills
33. Corporate Laws
35. Competitive Skills
37. Import & Export Management
39. Business & Mercantile Law
41. Stock & Commodity Market
43. Business ethics and Corporate Governance
45. Production & Operation Management
47. Business Research Methods
49. Corporate Social Responsibility
51. E-Commerce & Excellence Management
53. Legal Aspects of Business
55. Operation Management
57. Introduction to ERP and SAP

59. Social issues and responsibility
61. Laws relating to industrial relations
63. Social security & Welfare regulations
65. Labour Welfare
67. Public Relation
69. Research Methodology in Commerce
71. Entrepreneurship and Project Management
73. Professional Communication
75. Soft Skill Development

Dept. of Business Administration

1. Modern office Management
3. Marketing Management
5. Financial Analysis & journalism
7. Financial Services & Instruments
9. Portfolio Management
11. Investment Management
13. Business Administration - Paper I,II

BoS in Commerce & Business Laws

2. Principles and Practices of Insurances
4. Stock & Commodity Market
6. Foundation course in Comm & Management
8. Business Communication
10. Corporate regulatory framework
12. Enterprenuership Management
14. Production Management & Operation Management
16. Company Law

18. Insurance & Risk Management
20. Business Entrepreneurship
22. Production & Material Management
24. International Business
26. Export & Import Management
28. Financial Management
30. Corporate Governance
32. Agro Business
34. Business Research Methods
36. Business Laws
38. Corporate Laws
40. Entrepreneurship Development
42. Industrial Relation
44. Entrepreneurship Development

46. Financial Management
48. Introduction to operations Management
50. Corporate Communication Skills
52. Enterprenuer & Project Management

54. Indian Commercial Laws
56. Stock & Commodity Markets
58. Business & Correspondence & Communication Skills
60. Industrial relations & trade unions
62. Soft skills building
64. Industrial Compliance Framework
66. Industrial Counseling & Negotiations
68. Consumer Protection and Business Ethics
70. Organization Behavior
72. Foundation Course for Managers
74. Career Management and Counseling

BoS in Business Administration

2. Marketing & Advertising
4. Organization & Management
6. Retail management
8. Supply Chain Management
10. Service Management
12. Financial Management
14. Corporate Regulatory Framework

Dept. of Business Economics & Banking

1. Principles & Practices of Banking
3. Business Economics
5. Macro economic analysis
7. Econometrics
9. Current Economic Scenario
11. Indian Economic Scenario
13. Advanced Banking
15. Economics of Environment & Research Methodology

Dept. of Management of Studies

1. Human Resource Management
3. Bank Management
5. Strategic Management
7. Industrial Physiology & Sociology
9. Laws for wages & working conditions
11. Training & Development
13. Modern Management Technology
15. Hospitality Management

Dept. of Computer Management

1. Quantitative Tech. & computing skills
3. Programming in C++
5. Office Automation
7. Internet & Web Page design
9. Introduction to Visual Basic
11. Introduction of MS-Access
13. Business Statistics & Operations Research
15. Database system & DB-2
17. Database Concepts & MS-Access
19. Programming in VC++
21. MIS and Data Security
23. System Analysis & ERP
25. RDBMS Oracle
27. Java Programming
29. Information System Audit
31. Systems Management and ERP I&II
33. MIS & Management and ERP
35. Introduction Programming using C++
37. Introduction to DBMS
39. Object Oriented Programming using C++
41. VB.NET
43. Numerical Methods
45. Computer Fundamentals & Office Automation
47. Human Resource Information System & ERP
49. Operating Systems
51. Computer Fundamentals & Hardware/Software Installation

BoS in Business Economics & Banking

2. Micro economic Analysis
4. Managerial Economics
6. Modern Banking & Financial system
8. Banking & Finance
10. Indian Economy
12. Global Economics
14. Economics of Industries
16. Banking and Finance

BoS in Management of Studies

2. Modern Management Techniques
4. Organizational Behavior
6. Agro Business management
8. Personal Administration & Management
10. Risk Management
12. Placement Activity Management
14. Modern Retail Management

BoS in Computer Management

2. Business Statistics
4. Business Mathematics
6. Internet & Application
8. Basic of Database Internet & web Designing using HTML
10. E-Commerce & IT Act,2000
12. Computing Management
14. Programming through Visual Basic Net
16. Programming Visual Basic-6
18. Database Programming through VB 6.0
20. Programming in ASP
22. System Analysis and Designing
24. Information Management
26. ERP and SAP
28. Developer 2000 (D2K)
30. Computer Applications for Business
32. Quantitative Techniques
34. Mathematical Techniques
36. Computer Networks and Web design
38. Data Structure
40. Computer Animation using Flash and Statistical Quality Control
42. Design of Experiments and Competitive skills
44. Introduction to R
46. Introduction of Internet & Web Technology
48. Research Methodology & Statistical Tools
50. Web Designing & Web tools
52. Ruby Programming Language

- 53. 245. DBS & SQL Server
- 55. Introduction to Animation & Flash
- 57. Lab- III (2.1&2.2) & Lab IV(2.3)
- 59. Information Security & Cyber law
- 61. Lab-IV(4.1&4.4) & Lab-VIII(4.5)
- 63. Information System for Business

- 54. M I S & ERP
- 56. Software Designing & Development
- 58. Lab- V(3.1&3.4) & Lab VI(3.5)
- 60. Quality Control & Software Testing
- 62. Research Methodology & Statistical Tools
- 64. Cyber Crime and Security

Functional Electives

A

- 1. Web Mining Concepts
- 3. C#.Net
- 5. ASP.NET

- 2. Scripting languages
- 4. Website Management & Services
- 6. PHP & AJAX

B

- 1. Database Administration & Security
- 3. VB.Net
- 5. Oracle & D2K

- 2. Java
- 4. Data Mining & ware housing
- 6. J2EE & J2ME

C

- 1. Introduction Designing & Graphics
- 3. 3D Animation using Houdini
- 5. Post Production Processes for Animation

- 2. Digital Graphics Design
- 4. Advanced Computer Animation
- 6. 3D Animation using Mays

FACULTY OF EDUCATION

**College Department with the Subject
Covered under the respective Department**

Corresponding B.o.S.

Department of Education

B.o.S. in Education

- 1. Education and Development
- 2. Education an Evolutionary Perspective
- 3. Contemporary issues and concerns in secondary Education
- 4. Education: A Global perspective
- 5. Mental Retardation: The multidisciplinary Perspective
- 6. Education in India- A Global Perspective
- 7. Process of Education
- 8. Curriculum Development and Transaction
- 9. Education as a Field of Study / Education in 21st Century
- 10. Teacher Education
- 11. Foundations of Distance Education
- 12. Educational Technology
- 13. New trends in Education
- 14. Advanced Educational Theory
- 15. Fundamental of Educational Theory

Department of Educational Psychology**B.o.S. in Educational Psychology**

1. Learner and Learning
2. Teaching: Approaches, Strategies
3. Learning Resources
4. Various disabilities and Educational Psychology
5. Identification and Assessment of mental Retardation
6. An Introduction to Educational Psychology and Nature of Various Disabilities
7. Introduction to Visual Impairment and personality development
8. Educational Perspectives of Visual Impairment and intelligence
9. Psychology for Individual and Social Development
10. Statistical Methods for data analysis
11. Inclusive Education for Children with Diverse Needs
12. Learner, Learning and Teaching Process
13. Methodology of Educational Research and Statistical Methods

Department of Administration and Evaluation**B.o.S. in Administration and Evaluation**

1. Classroom Organization and Management
2. Assessment and Evaluation
3. Pedagogical content Knowledge CCM-I,III (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Mathematics, Science)
4. Pedagogical content Knowledge CCM- II,IV (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Maths, Science)
5. Mental Retardation: Curriculum and Teaching Strategies
6. Subject Teaching
7. Teaching and Learning Methods with Visual Impairment
8. Educational Guidance and Counseling
9. Educational, Planning, Management and Financing of Education
10. Information Communication and Technology and E-learning
11. Secondary and Higher Secondary Education

Department of Physical Education**B.o.S. in Physical Education**

1. Foundations & History of Physical Education
2. Anatomy, Physiology & Health Education
3. Organization Administration in Physical Education
4. Method in General School Subjects- [Marathi, Hindi, English, History, Geography, Science, Mathematics]
5. Psychological base of Physical Education
6. Officiating, Coaching & Evaluation in Physical Education
7. Computer in Physical Education
8. Teaching Methodology in Physical Education
9. Science of sports training
10. Test Measurement & Evaluation and Physical Education
11. Sports Biomechanics
12. ICT (Information Computer Technology)
13. Yoga Science
14. Research Methodology
15. Management Officiating and Coaching
16. Physical Fitness & Wellness
17. Sports Sociology
18. Management in Physical Education & Sports
19. Sports Psychology

20. Sports Nutrition
21. Sports Medicine
22. Curriculum Design in Physical Education
23. Health & Fitness Management
24. Recreational and Luster Time Management
25. Personality Development Programme and Life Skill
26. English
27. Foundations of Physical Education
28. Health Education
29. Sport Psychology
30. Organization, Administration in Physical Education
31. Anatomy
32. Marathi / Hindi
33. General Science
34. Computer in Physical Education
35. Physiology
36. Sports Sociology
37. Management of Physical Education
38. History of Physical Education
39. Kinesiology
40. Recreation
41. Personality Development
42. Professional Preparation
43. Biomechanics
44. Methods of Physical Education
45. Officiating & Coaching
46. Basic of Sport Training
47. Sports Injuries & Rehabilitation
48. Fitness & Nutrition /Yoga
49. Test & Measurement

