

North Maharashtra University, Jalgaon

DIRECTION NO. 04/2017

Direction for Governing the Constitution of Faculties and Board of Studies in the University

Whereas, the Maharashtra Public Universities Act, 2016 (Maharashtra Act No. VI of 2017) (hereinafter referred to as "said Act") published in Maharashtra Government Gazette on 11th January, 2017;

And

Whereas, in exercise of the powers vested to the State Government by sub-section 2 of Section 1 of the said act came into force on 1st March, 2017 by repelling the Maharashtra Universities Act, 1994, (Maharashtra Act No. XXXV of 1994);

And

Whereas, by virtue of entry No. 8 in the column No.(1) of Part-1 of the SCHEDULE of the "said Act"; read with sub-section 1 of Section 3, of the "said Act"; the North Maharashtra University, Jalgaon (hereinafter referred to as "the University") from 1st March, 2017 will be governed by the "said Act";

And

Whereas, as per sub-section 2 of Section 33 of the Maharashtra Universities Act, 1994, (Maharashtra Act No. XXXV of 1994); the University had the following eight faculties;

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

And

Whereas, under sub-section (2) (1) of Section 147 of the "said Act"; all Statutes and Ordinances made under Maharashtra Universities Act, 1994, (Maharashtra Act No. XXXV of 1994); in respect of the University, shall in so far as not inconsistent with the provisions of the "said Act"; continue to be in force and be deemed to have been made under the "said Act" in respect of the University, until they are superseded or modified by the Statutes or Ordinances, as the case may be made under the "said Act".

And

Whereas, under sub-section 2 of Section 34 of the "said Act"; the University shall have following four faculties;

- 1. Science and Technology
- 2. Commerce and Management
- 3. Humanities
- 4. Inter-disciplinary Studies

And

Whereas, with repeal of Maharashtra Universities Act, 1994, (Maharashtra Act No. XXXV of 1994); having eight faculties in the University are inconsistent with the provision of the "said Act"; and it is imperative to provide information in respect of the departments in University and Colleges under various Faculties, Board of Studies as well as the subjects that come under those departments in conformity with the provision of the "said Act"; there is a need to issue appropriate direction;

And

Whereas, Statutes for the purpose of constitution of authorities established under the provision of sub-section 3 of Section 34 and sub-section 1 of section 40 of the "said Act" are yet to be framed;

And

Whereas, under sub-section I of Section 62 of the "said Act"; it is the responsibility of the University to constitute the authorities before 1st September, 2017;

And

Whereas, the framing of Statutes under the provision of Section 72 of the "said Act"; requires the approval of various authorities and it is time consuming process;

And

Whereas, in absence of the said Statutes and having regard to the urgent need of the matter to constitute Faculties and Board of Studies;

And

Whereas, the recommendation of the Expert Committee constituted for the said purpose has been accepted by the Academic Council of the University vide resolution No.A-45/2017, dated 18.04.2017.

Now, therefore, I Prof. Pradip Premchand Patil, Vice-Chancellor, North Maharashtra University, Jalgaon being satisfied about the exigency to issue the direction, in exercise of powers vested in me under sub-section 8 of Section 12 of the "said Act"; do hereby issue the direction to regulate the matter in relation to:

24/1/2

- 1. Faculties of the University
- 2. Faculty-wise breakup of the subjects
- 3. Board of Studies for every subject or group of subjects and
- 4. Departments in the University and Colleges with the subjects and their corresponding Board of Studies,

as appended in the Annexure 'A', 'B', 'C' and 'D', respectively.

This direction may be called hereinafter as Direction for Governing the Constitution of Faculties and Board of Studies in the North Maharashtra University, Jalgaon.

The direction shall come into force from the date of its issuance and shall remain in force until the relevant Statutes have been made in accordance with the provision of the "said Act" or for a period of six months, whichever is earlier.

Encl.: Annexure 'A', 'B', 'C' and 'D'

(Prof. P. P. Patil) Vice-Chancellor

Ref. No.: NMU/21/BOS/171 /2017

Date: 24th May, 2017

Copy forwarded with compliments to:

- 1. Principals of All Affiliated Colleges/Directors of recognised Institutes, N.M.U., Jalgaon.
- 2. Director/HoDs of all Schools/Departments, N.M.U., Jalgaon.
- 3. HoDs/Controlling Officers of all Administrative Departments, N.M.U., Jalgaon.

(Prof. A. B. Chaudhari

Offg. Registrar

NORTH MAHARASHTRA UNIVERSITY, JALGAON

[A] Faculties of the University

(Under Section 34(2) of the Maharashtra Public Universities Act, 2016)

The University shall have the following four Faculties:-

Sr. No.	Name of the Faculty
	·x
(i)	Science and Technology;
(ii)	Commerce and Management;
(iii)	Humanities;
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(iv)	Inter-disciplinary Studies.

NORTH MAHARASHTRA UNIVERSITY, JALGAON

[B] Facultywise break-up of the subjects

(Under Section 34(3) of the Maharashtra Public Universities Act, 2016)

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

1. Faculty of Science and Technology:-

Sr. No.	Subjects	Sr. No.	Subjects		
1	Mathematics	2	Statistics		
3	Actuarial Science	4	Physics		
5	Energy Studies	6	Material Science		
7	Chemistry	8	Inorganic Chemistry		
9	Organic Chemistry	10	Analytical Chemistry		
11	Physical Chemistry	12	Drug Chemistry		
13	Polymer Chemistry	14	Pesticides and Agrochemicals		
15	Industrial Chemistry	16	Botany		
17	Computer Science	18	Information Technology		
19	Computer Application (MCA)	20	Zoology		
21	Geography	22	Applied Geography		
23	Microbiology	24	Biochemistry		
25	Biotechnology	26	Electronics Science		
27	VLSI Technology	28	Environmental Science		
29	Geology	30	Applied Geology		
31	Geoinformatics	32	Engineering Physics		
33	Engineering Chemistry	34	Engineering Mathematics		
35	Soft Skills	36	Industrial Economics and Management		
37	Industrial Management and	38	Managerial Behaviour, Psychosocial		
	Communication Skill		Dimensions		
39	Engineering Economics and Costing	40	Chemical Engineering		
41	Oil, Oleo chemicals and Surfactants	42	Paint Technology		
43	Technology Plastic Technology	44	Polymer Technology		
45	Food Technology	46	Pharmaceutical Chemistry and Technology		
47	Nano Technology	48	Biotechnology		
49	Civil Engineering	50	Building Science and Technology		
51	Infrastructure Engineering and Management	52	Environmental Engineering		
53	Architecture	54	Computer Engineering		
55	Information Technology	56	Computer Science and Engineering		
	- 07	l	, 0 0		

Sr. No.	Subjects	Sr. No.	Subjects
57	Electronics and Telecommunication Engineering	58	Industrial Electronics Engineering
59	Electronics Engineering (Communication Engineering)	60	Electronics
61	Electronics and Communication	62	Digital System
63	Digital Electronics	64	Electrical Engineering
65	Electrical Power System	66	Instrumentation Engineering
67	Mechanical Engineering	68	Computer Aided Design and Analysis
69	Machine Design	70	Thermal Engineering
71	Production Engineering	72	Design Engineering
73	Automobile Engineering	74	Pharmaceutics
75	Pharmaceutical Chemistry	76	Pharmacognocy
77	Pharmacology	78	Cosmetics
79	Public Health Sciences	80	Physiotherapy
81	Nursing	82	Health Care

2. Faculty of Commerce and Management:-

Sr. No.	Subjects	Sr. No.	Subjects
1	Accountancy and Costing	2	Commerce and Business Laws
3	Business Administration	4	Business Economics and Banking
5	Management Studies	6	Personnel Management
7	Computer Management		

3. Faculty of Humanities:-

Sr. No.	Subjects	Sr. No.	Subjects
1	Marathi	2	Hindi
3	English	4	Sanskrit
5	Pali	6	Ardhmagadhi (Prakrit)
7	Urdu	8	Persian and Arabic Languages
9	History	10	History of Civilization
11	Political Science	12	Public Administration
13	Psychology	14	Yoga Studies
15	Defence and Strategic Studies	16	Economics
17	Philosophy	18	Logic
19	Sociology	20	Social Work
21	Law	22	Taxation Law
23	Labour Law	24	Bioforensic and Bioterrorism Law
25	Intellectual Property Rights	26	Medical Jurisprudence and Toxicology

4. Faculty of Inter-disciplinary Studies:-

3 5 7 9 11 13 15 17 19	Education Educational Administration and Evaluation Music Dramatics Sculpture Printing Art Art History Library and Information Science Agricultural and Natural Resource	2 4 6 8 10 12 14 16	Educational Psychology Physical Education Dancing Drawing and Painting Applied Art Print Making Visual Communication
5 7 9 11 13 15 17	Evaluation Music Dramatics Sculpture Printing Art Art History Library and Information Science Agricultural and Natural Resource	6 8 10 12 14	Dancing Drawing and Painting Applied Art Print Making Visual Communication
7 9 11 13 15 17	Dramatics Sculpture Printing Art Art History Library and Information Science Agricultural and Natural Resource	8 10 12 14	Drawing and Painting Applied Art Print Making Visual Communication
9 11 13 15 17	Sculpture Printing Art Art History Library and Information Science Agricultural and Natural Resource	10 12 14	Applied Art Print Making Visual Communication
11 13 15 17	Printing Art Art History Library and Information Science Agricultural and Natural Resource	12 14	Print Making Visual Communication
13 15 17 19	Art History Library and Information Science Agricultural and Natural Resource	14	Visual Communication
15 17 19	Library and Information Science Agricultural and Natural Resource		
17 19	Agricultural and Natural Resource	16	
19			Mass Communication and Journalism
	Management Skill	18	Agriculture
24	Soil and Water Conservation	20	Animation and Web Designing
21	Software Development	22	Printing and Publishing
23	Beauty Therapy	24	Fashion Designing
25	Dr.Ambedkar Thought	26	Gandhian Thought
27	Buddhist Heritage Studies and Tourism	28	Community Education and Vocational Courses
29	Women's Studies	30	Nanotechnology
	Mylaya		

NORTH MAHARASHTRA UNIVERSITY, JALGAON

[C]:- The Board of Studies for every subject or Group of subjects

(Under Section 40(1) of the Maharashtra Public Universities Act, 2016)

The University shall have the following four Faculties vide section 34(2) of the Maharashtra Public Universities Act 2016. The Subjects/Group of subjects comprised under each of the Board of Studies shall be as follows:-

Sr.	Faculty Name of Board of Studies		Subject		Group of Subject/ Subjects	
1	Science and	1	Mathematics	I. Mathematics	1	Mathematics
	Technology	2	Statistics	I. Statistics	1	Statistics
				II. Actuarial Science	2	Actuarial Science
		3	Physics	I. Physics	1	Physics
				II. Energy Studies	2	Energy Studies
				III. Material Science	3	Material Science
		4	Chemistry	I. Chemistry	1	Chemistry
				II. Inorganic Chemistry	2	Inorganic Chemistry
				III. Organic Chemistry	3	Organic Chemistry
				IV. Analytical Chemistry	4	Analytical Chemistry
				V. Physical Chemistry	5	Physical Chemistry
				VI. Drug Chemistry	6	Drug Chemistry
		5	Botany	I. Botany	1	Botany

Sr.	Faculty		Name of Board of Studies		Subject		Group of Subject/ Subjects
1	Science and	6	Computer Science	I.	Computer Science	1	Computer Science
	Technology			II.	Information	2	Information Technology
					Technology		
				III.		3	Computer Application (MCA)
					(MCA)	A	<i>3</i>
		7	Zoology	I.	Zoology	1	Zoology
		8	Geography	I.	Geography	1	Geography
				II.	Applied Geography	2	Applied Geography
		9	Life Sciences	I.	Microbiology	1	Microbiology
				II.	Biochemistry	2	Biochemistry
				III.	Biotechnology	3	Biotechnology
		10	Electronics and	I.	Electronic Science	1	Electronic Science
			Instrumentation	П.,	VLSI Technology	2	VLSI Technology
		11	Environmental Science	10	Environmental Science	1	Environmental Science
		12	Chemical Sciences	CI.	Polymer Chemistry	1	Polymer Chemistry
				Ali,	Pesticides and	2	Pesticides and Agrochemicals
					Agrochemicals		
			No.	III.	Industrial Chemistry	3	Industrial Chemistry
				IV.	Organic Chemistry	4	Organic Chemistry
			Who.	V.	Analytical Chemistry	5	Analytical Chemistry
				VI.	Physical Chemistry	6	Physical Chemistry
		13	Geosciences	I.	Geology	1	Geology
				II.	Applied Geology	2	Applied Geology
				III.	Geoinformatics	3	Geoinformatics

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	14	Applied Sciences and	I. Applied Sciences and	1	Applied Inorganic Chemistry
	Technology		Humanities	Humanities	2	Applied Mathematics
					3	Applied Organic Chemistry
					4	Applied Physical Chemistry
					5	Bioprocess Industrial Economics and Management
				•	6	Communication and Soft Skill
				40	7	Computer Programming
				,01	8	Computer Science and Application
					9	Engineering Chemistry
					10	Process Engineering and Economics Costing/ Plant
						Design and economics costing
					11	Engineering Mathematics
				X/O.	12	Engineering Physics
					13	Entrepreneurship
				201	14	Entrepreneurship and Business Planning
			K	0.	15	Entrepreneurship Development
			6.2		16	Environmental Sciences/ Studies
					17	Financial Management
					18	Industrial Economics and Management
					19	Industrial Management
					20	Industrial Management and Communication Skill
					21	Industrial Organization and Management
			10)		22	Inorganic Chemistry
					23	Intellectual Property Rights
					24	IPR and Entrepreneurship

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1.	Science and	14	Applied Sciences and	I. Applied Sciences and	25	Managerial Behaviour: Psychosocial Dimensions
	Technology		Humanities	Humanities	26	Marketing Management
					27	Mathematics
					28	Organic Chemistry
					29	Physical Chemistry
					30	Physics
				40	31	Plant Design, Economics and Costing
				.01	32	Process Engineering Economics and Costing
					33	Professional Communication
					34	Soft and Entrepreneurship Skill
					35	Soft Skills
		15	Chemical Engineering,	I. Chemical Engineering	1	Applied and Structural Mechanics
			Chemical Technology and	II. Oil, Oleo chemicals and	2	Advance Catalysis
			Bio Technology	Surfactants Technology	3	Advanced Bakery and Confectionary Technology
			(Engineering)	III. Paint Technology	4	Advanced Biomaterials
			N. Carlotte	IV. Plastic Technology V. Polymer Technology	5	Advanced Separation Techniques
				VI. Food Technology	6	Advanced Technology in Food Packaging
				VII. Pharmaceutical	7	Advances in Food Nutritions
			V.O.,	Chemistry and		
				Technology	8	Advances in Technology of Oil and Fats Product
				VIII. Nano Technology	9	Advanced Food Processing Technology
				IX. Biotechnology	10	Animal Biotechnology
			101		11	Application Techniques and Paints Defect

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
Sr. 1	Faculty Science and Technology	15	Chemical Engineering, Chemical Technology and Bio Technology (Engineering)	I. Chemical Engineering II. Oil, Oleo chemicals and Surfactants Technology III. Paint Technology IV. Plastic Technology V. Polymer Technology VI. Food Technology VII. Pharmaceutical Chemistry and	12 13 14 15 16 17 18 19	Group of Subject/ Subjects Applications of Nano Science and Technology in Electronics Applications of Nano Science and Technology in Material Technology Applied Colloid and Surface Chemistry Applied Genetic Engineering Automotive and Insulation Coatings Bio Polymers Biochemical Engineering Biochemistry
			Technology VIII. Nano Technology IX. Biotechnology	20 21 22 23 24 25 26 27 28 29 30 31 32 33	Biofuel and Alcohol Technology Bioinformatics Biological Thermodynamics Biomechanics Biomedical Fluid Dynamics Biomedical Instrumentation Bioprocess Calculation Bioprocess Engineering Bioprocess Engineering and Economics Bioprocess Equipment Design Bioprocess Industries Bioprocess Instrumentation and Analysis Bioprocess Modelling and Simulation Bioprocess Principles Biosafety and Bioethics	

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	15	Chemical Engineering,	I. Chemical Engineering	35	Biostatistics
	Technology		Chemical Technology and	II. Oil, Oleo chemicals	36	Biotechnology and Waste Treatment
			Bio Technology	and Surfactants	37	Chemical Engineering Materials
			(Engineering)	Technology	38	Chemical Engineering Modelling and Optimization
				III. Paint Technology	39	Chemical Engineering Process
				IV. Plastic Technology V. Polymer Technology	40	Chemical Engineering Thermodynamics
				VI. Food Technology	41	Chemical Equipment Design
				VII. Pharmaceutical	42	Chemical Plant Design and Project Engineering
				Chemistry and	43	Chemical Process Technology
				Technology	44	Chemical Reaction Engineering
				VIII. Nano Technology	45	Chemistry and Technology of Oils and Fats
				IX. Biotechnology	46	Chemistry and Technology of Polymers
				~4.0.	47	Chemistry and Technology of Powder Coatings
					48	Chemistry and Technology /Technology of
						Polymers.
			JOHN MANDE		49	Chemistry of Surfactants and Oleo Chemicals
					50	Computational Fluid Dynamics
			No.		51	Computer Aided Process Equipment Design,
						Modelling and Simulation
					52	Concept in Biotechnology
					53	Down Stream Processing
					54	Eco-friendly Coating Technologies
					55	Elements of Mechanics and Workshop Technology
		•	MO.		56	Energy Engineering
					57	Engineering Graphics
					58	Engineering of Pigmented Dispersion

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	15	Chemical Engineering,	I. Chemical Engineering	59	Environmental Biotechnology
	Technology		Chemical Technology and	II. Oil, Oleo chemicals	60	Enzyme Engineering
			Bio Technology	and Surfactants	61	Fermentation Biotechnology
			(Engineering)	Technology	62	Fermentation Technology
				III. Paint Technology	63	Fluid Flow Operation
				IV. Plastic Technology V. Polymer Technology	64	Food Biochemistry and Nutrition
				VI. Food Technology	65	Food Biotechnology
				VII. Pharmaceutical	66	Food Chemistry
				Chemistry and	67	Food Engineering
				Technology	68	Food Processing
				VIII. Nano Technology	69	Food Quality
				IX. Biotechnology	70	Food Toxicity, Quality and Safety
				74.0	71	Generation and Transmission of Mechanical Power
					72	Genetic Engineering
					73	Genomics and Proteomics
				0.3	74	Good Manufacturing Practices
					75	Heat Transfer
			Mo.		76	Heat, Mass and Momentum Transfer
					77	High Fats Products and Hydrogenation
					78	Immunology
			John Mark		79	Industrial Fermentation Technology
					80	Industrial Hazards and Safety
					81	Industrial Pollution and Control
					82	Instrumentation and Instrumental Analysis
					83	Instrumentation and Process Control
					84	Introduction to Chemical Engineering

Sr.	Faculty	ı	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	15	Chemical Engineering,	I. Chemical Engineering	85	Introduction to Polymer Technology
	Technology		Chemical Technology and	II. Oil, Oleo chemicals	86	Machine Design and Drawing
			Bio Technology	and Surfactants	87	Mass Transfer
			(Engineering)	Technology	88	Mass Transfer Operations
				III. Paint Technology	89	Mass Transfer with Multiphase System
				IV. Plastic Technology V. Polymer Technology	90	Material Technology
				VI. Food Technology	91	Mathematical Methods in Chemical Engineering
				VII. Pharmaceutical	92	Mechanical Operation
				Chemistry and	93	Medicinal Chemistry and Drug Discovery
				Technology	94	Metabolic Engineering
				VIII. Nano Technology	95	Microbiology
				IX. Biotechnology	96	Microbiology and Molecular Biology
				~4.0	97	Modelling Simulation and CAD
					98	Modern Methods of Extraction
			TO HAMPINE TO SEE		99	Modern Methods of Instrumental Analysis
				8-3	100	Modified and Tailor Made Oils
					101	Molecular Biology
			No.		102	Molecular Modelling and Drug Design
			100		103	Mould and Die Design
					104	Nano Biotechnology
					105	Nano Particles in Energy Production
					106	Newer Separation Techniques
		4	40,		107	Newer Techniques of Synthesis and Curing of
						Polymers
					108	Non Traditional Oil and Non Triglyceride
						Constituents

Sr. Faculty	Name of Board of Studies	Subject	Group of Subject/ Subjects
	Name of Board of Studies Chemical Engineering, Chemical Technology and Bio Technology (Engineering)	I. Chemical Engineering II. Oil, Oleo chemicals and Surfactants Technology III. Paint Technology IV. Plastic Technology V. Polymer Technology VI. Food Technology VII. Pharmaceutical Chemistry and Technology VIII. Nano Technology	109 Oil Technology 110 Petrochemical Technology 111 Petrochemicals 112 Petroleum Refining Engineering 113 Pharmaceutical Biotechnology 114 Piping Design 115 Plant Biotechnology 116 Plant Design Economics and Costing 117 Plant Tissue Culture and Plant Biotechnology 118 Plant Utility 119 Plastic Waste Management
	John Maria	Technology VIII. Nano Technology IX. Biotechnology	118 Plant Utility

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	15	Chemical Engineering,	I. Chemical Engineering	135	Project Engineering and Economics
	Technology		Chemical Technology and	II. Oil, Oleo chemicals	136	Protein Engineering
			Bio Technology	and Surfactants	137	Quality Assurance and Analysis of Surface Coating
			(Engineering)	Technology	138	Quality Control Techniques in Oil and Fats
				III. Paint Technology	139	Quantum Mechanics
				IV. Plastic Technology V. Polymer Technology	140	Radiation Curing Coating
				VI. Food Technology	141	Reaction Engineering
				VII. Pharmaceutical	142	Reaction Engineering and Nano Catalysis
				Chemistry and	143	Refining of Oils and Fats
				Technology	144	Science and Technology of Nano Medicines
				VIII. Nano Technology	145	Science and Technology of Nano Composites and
				IX. Biotechnology		Nano Pigments
				74.0	146	Special Purpose and Effect Coatings
					147	Speciality Pigments and Additives in Coatings
					148	Stem Cell Technology
			4	7	149	System Biology
				_	150	Techniques for Synthesis of Nano Particles
					151	Technological Advances in Perfumery and
						Cosmetics
					152	Technology of Anionic Surfactants and Detergents
					153	Technology of Cationic and Amphoteric
						Surfactants
					154	Technology of Elastomers and Additives
		•			155	Technology of Fats Slitting and Soaps

Sr.	Faculty	1	lame of Board of Studies	Subject		Group of Subject/ Subjects
Sr. 1	Faculty Science and Technology	15	Chemical Engineering, Chemical Technology and Bio Technology (Engineering)	I. Chemical Engineering II. Oil, Oleo chemicals and Surfactants Technology III. Paint Technology IV. Plastic Technology V. Polymer Technology VI. Food Technology VII. Pharmaceutical Chemistry and Technology	156 157 158 159 160 161 162 163 164	Technology of Fatty Acids and Soaps Technology of Oral, Hair and Skin Care Products Technology of Pigment Technology of Printing Inks Theory of Colour and Architectural Coatings Theory of Corrosion and Marine and Maintenance Coatings Trade Sale Paint Transport Phenomena Treatment and Disposal of Food Industrial Waste
		16	16 Civil Engineering	II. Nano Technology IX. Biotechnology I. Civil Engineering II. Building Science and Technology III. Infrastructure	165 166 167 1 2 3	Unit Operation Waterborne Polymers and Coatings Workshop Technology Advance Construction Equipment's Advance Construction Technology Advance Design of Concrete Structures Advance RCC Structure
		4	POLICE PROPERTY OF THE PROPERT	Engineering and Management IV. Environmental Engineering	4 5 6 7 8 9 10 11	Advanced Concrete Technology Advanced Structural Design Advanced Waste Water Treatment Technology Advanced Water Treatment Technology Air pollution Architecture and Town Planning Building Construction Techniques and Materials Building Design and Drawing

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	16	Civil Engineering	I. Civil Engineering	13	Building Environment and Services
	Technology			II. Building Science and	14	Concrete Technology
				Technology	15	Construction and Project Management
				III. Infrastructure	16	Construction Contract Administration and
				Engineering and	A	Management
				Management IV. Environmental	17	Construction Cost and Quality Management
				Engineering	18	Construction Cost Dynamics
				Linguiteering	19	Construction Disaster Management
					20	Construction Economics and Finance
					21	Construction Management
					22	Construction Methods and Equipment
						Management
				~ €. О.	23	Construction Planning, Scheduling and
						Management
					24	Construction Safety
					25	Construction Safety and Disaster Management
				9	26	Construction Techniques and Equipment's
			100		27	Contracts and Valuation
					28	Contracts, Administration and Arbitration
					29	Design of Water Supply and Waste Water structure
					30	Design Operation and Maintenance of Water
			X III			Supply and Sewerage System
			Ap.		31	Earthquake Engineering
			10,		32	Earthquake Resistance Design of Building
					33	Elements of Civil Engineering

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	16	Civil Engineering	I. Civil Engineering	34	Elements of Civil Engineering and Engineering
	Technology			II. Building Science and		Mechanics
				Technology	35	Engineering Geology
				III. Infrastructure	36	Environment and Energy Management.
				Engineering and Management	37	Environmental Engineering
				IV. Environmental	38	Environmental Engineering Chemistry
				Engineering	39	Environmental Engineering Microbiology
					40	Environmental Impact Assessment
					41	Environmental Risk Assessment and Hazard
						Management
					42	Environmental Sanitation
					43	Estimating and Costing
					44	Finite Element Methods
				XX O.	45	Fluid Mechanics
					46	Geographical Information systems
			-		47	Geotechnical Engineering
			4	0.7	48	Geotechniques for Infrastructure.
			Manai		49	Highway Projects Planning, Designing and Economic Evaluation
					50	Industrial Pollution and Control
					51	Industrial Water and Waste Water Management
					52	Industrial Water Pollution and Control
			HA I		53	Infrastructural Engineering
					54	Infrastructure Development
		4	10.		55	Irrigation Water Distribution Systems
					56	Low Cost Housing
					57	Management and Project Planning in Construction

Sr.	Faculty	ľ	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	16	Civil Engineering	I. Civil Engineering	58	New Construction Material and Techniques
	Technology			II. Building Science and	59	Numerical Methods in Civil Engineering
				Technology	60	Open Channel and Conduit Flow
				III. Infrastructure	61	Operation Research
				Engineering and	62	Ports and Harbour Structures
				Management IV. Environmental	63	Probability, Statistics and Optimization Technique
				Engineering	64	Remote Sensing GIS and Its Environmental
				Linginicering		Application
					65	Repairs, Rehabilitation, Retrofitting of Structure
					66	Resource Management
				67	Retrofitting and Rehabilitation of Structures	
				68	Retrofitting of Structures	
				~4.0	69	Rural Water Supply and Sanitation
				70	Safety Management in Construction	
					71	Solid Waste and Management
				72	Strength of Materials	
			73	Structural Design		
				74	Structural Design and Drawing	
			75	Surveying		
					76	Sustainable Building Technology
					77	System Approach in Civil Engineering
			A A A		78	Theory of Structures
				79	Urban Hydrology and Storm Water Management.	
					80	Water Power engineering
					81	Water Resources Engineering
					82	Watershed Management

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	16	Civil Engineering		83	Work study and Incentive Management
	Technology				84	Life Cycle Costing of Infrastructure
		17	Architecture	I. Architecture	1	Architectural Design
					2	Graphics
					3	Building Technology (Materials & Construction)
					4	Building Services
				2.5	5	Climatology
					6	History of Architecture and Human Settlements
					7	Quantity Surveying and Estimating
					8	Structure
					9	Estimating & Specifications
ļ					10	Professional Practice & Building Byelaws
				~4.0	11	Landscape Design
					12	Town Planning & Urban Design
					13	Rural Architecture
					14	Acoustics
					15	Architectural Conservation
			No		16	Computer Applications
			N 31		17	Interior Design
					18	Housing
					19	Working Drawing
					20	Workshop & Visual Arts, Photography
			I ON		21	Surveying and Levelling
		•	10.		22	Contract Document
					23	Application of Non-conventional Energy in
						Architecture

Sr.	Faculty	1	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	17	Architecture	I. Architecture	24	Barrier free Architecture
	Technology				25	Project and Construction Management
					26	Sustainable Architecture
					27	GIS Applications in Architecture
					28	Industrial Architecture
					29	Traffic and Transportation
				23.	30	Product Design
		18	Computer Engineering and	I. Computer Engineering	1	Advanced Computer Architecture
			Information Technology	and Information	2	Advanced Computer Network
			JOHN MANO	Technology II. Computer Science and Engineering	3	Advanced Database Management Systems
					4	Advanced Software Engineering
					5	Advanced Unix Programming
					6	Analog and Digital Electronics
					7	Analog Electronics
					8	Analysis and Design of Algorithms
					9	Android Programming
					10	Applied Algorithms
					11	Artificial Intelligence
					12	Artificial Intelligence and Expert System
				13	Artificial Intelligence and Neural Network	
					14	Bio-Informatics
					15	Cloud Computing
					16	Compiler Construction
		•			17	Compiler Design
					18	Computer Graphics
					19	Computer Graphics and Multimedia

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	18	Computer Engineering and	I. Computer Engineering	20	Computer Network
	Technology		Information Technology	and Information	21	Computer Organization
				Technology	22	Computer Programming
				II. Computer Science and	23	Cryptography and Network Security
				Engineering	24	Data Communication
					25	Data Structures
					26	Data Warehousing and Mining
					27	Database Management System
					28	Database Management
				. 181	29	Digital Image and Video Processing
					30	Digital System and Microprocessor
					31	Digital System Design
					32	Discrete Structure and Graph Theory
				30	33	Distributed System
				1 1 1	34	E-Commerce
					35	Embedded Software Design
					36	Embedded Systems
				O.	37	Enterprise Resource Planning
			V.O.		38	Enterprise Resource Planning and SAP
					39	Formal Language and Automata Theory
					40	Fuzzy Logic and Neural Networks
					41	Human Computer Interaction
			HAN .		42	Image Processing
					43	Information Retrieval
		•	10,		44	Information Theory
					45	Internet Security

Sr.	Faculty	1	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	18	Computer Engineering and	I. Computer Engineering	46	Introduction to Computing
	Technology		Information Technology	and Information Technology	47	iPhone Programming
					48	Java Programming
				II. Computer Science and	49	Linux
				Engineering	50	Management Information System
					51	Mathematical Foundations of Computer Science
				3.50	52	Microprocessor
				.01	53	Microprocessor and Microcontroller
					54	Microprocessor and Microcontroller Interfacing
					55	Mobile Computing
					56	Mobile Network
					57	Multimedia Techniques
					58	Net-Centric Computing
					59	Neural Network and Fuzzy Logic
			C/	60	Object Oriented Modelling and Design	
				8.3	61	Object Oriented Technology
		(8)	6	62	Operating System	
				63	Operational Research	
			60,	6 ²	64	Parallel Computing
					65	Pattern Recognition
					66	Principles of Management
			JOHN MANDE		67	Programming Paradigm and Methodology
					68	Real Time System
					69	Soft Computing
					70	Software Engineering
					71	Software Engineering and Project Management

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	18	Computer Engineering and	I. Computer Engineering	72	Software Metrics and Quality Assurance
	Technology		Information Technology	Information Technology	73	Software Project Management
				II. Computer Science and	74	Software Testing and Quality Assurance
				Engineering	75	System Programming
					76	Web Design
				•	77	Web Engineering
					78	Web Programming
		19	Electronics and	I. Electronics and	1	Advance Power Electronics
			Telecommunication and	Telecommunication	2	Advanced Communication System
			Industrial Electronics	Engineering	3	Advanced Computer Network
			Engineering	II. Industrial Electronics Engineering III. Electronics Engineering (Communication	4	Advanced Digital Communication
					5	Advanced Digital Image Processing
					6	Advanced Digital Signal Processing
				Engineering)	7	Advanced Embedded System Design
				IV. Electronics	8	Advanced Instrumentation System
				V. Electronics and	9	Advanced Light Wave Communication
				Communication	10	Advanced Telecomm Network Management
			100.	VI. Digital Electronics	11	Advanced VLSI Design
				VII. Digital System	12	Advanced Digital Signal Processing and Processors
					13	Analog Integrated Circuits and Applications
					14	Analog VLSI Design
			- X		15	Antenna and Wave Propagation
					16	Antenna Theory
		•	MO.		17	Antenna Theory and Design
					18	Artificial Intelligence
			· ·		19	Artificial Intelligence and Neural Network

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	19	Electronics and	I. Electronics and	20	Artificial Intelligence and Soft Computing
	Technology		Telecommunication and	Telecommunication	21	Artificial Neural Networks and Fuzzy Systems
			Industrial Electronics	Engineering	22	Audio-video Engineering
			Engineering	II. Industrial Electronics	23	Automotive Electronics
				Engineering	24	Biomedical Engineering
				III. Electronics Engineering (Communication	25	Biomedical Engineering Systems
				Engineering)	26	Biomedical Instrumentation
				IV. Electronics	27	Biomedical Signal Processing
				V. Electronics and	28	Broadband Communication
				Communication	29	Communication System
				VI. Digital Electronics	30	Communication System Design
				VII. Digital System	31	Component Devices and Instrumentation Technology
					32	Computer Architecture
					33	Computer Communication Network
					34	Computer Networks
					35	Computer Networks and Management
			N. Carlotte		36	Control System Techniques
			(6)		37	Data Communication and Design
					38	Digital Communication Systems
					39	Digital Image Processing
					40	Digital Integrated Circuits and System
					41	Digital Signal Processing
					42	Digital Signal Processing and Image Processing
			TOHUNDIAN SI		43	Digital System Design
			My and the second		44	Digital Techniques and Applications
					45	Digital VLSI Design

Sr.	Faculty	N	lame of Board of Studies		Subject		Group of Subject/ Subjects
1	Science and	19	Electronics and	I.	Electronics and	46	Electrical Circuits and Machines
	Technology		Telecommunication and		Telecommunication	47	Electromagnetic Engineering
			Industrial Electronics		Engineering	48	Electromagnetic Interference and Compatibility
			Engineering	II.	Industrial Electronics	49	Electronic Circuit Design
					Engineering	50	Electronic Instrumentation
				III.		51	Electronic Measurement
					Engineering (Communication	52	Electronic Measurement Techniques
					Engineering)	53	Electronics Circuit Design
				IV.	•	54	Electronics Materials and Components
				V.	Electronics and	55	Elements of Electronics Engineering
					Communication	56	Embedded Networking and Wireless Sensor Network
				VI.	Digital Electronics	57	Embedded System
				VII.	Digital System	58	Embedded System Design
						59	Error Control Codes
						60	Feedback Control System
			4			61	Fibre Optic Communication
						62	FPGA Based System Design
			100			63	Image and Video Processing
			N DI		64	Image Processing	
			JOHN MINOL			65	Image Processing and Computer Vision
						66	Image Processing and Pattern Recognition
						67	Industrial Automation
						68	Industrial Economics and Telecom Regulation
		4				69	Information Theory and Coding Technology
						70	Light Wave communication
						71	Linear Integrated circuits

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
Sr. 1	Faculty Science and Technology	19	Electronics and Telecommunication and Industrial Electronics Engineering	Subject I. Electronics and Telecommunication Engineering II. Industrial Electronics Engineering (Communication Engineering) IV. Electronics V. Electronics and Communication VI. Digital Electronics	72 73 74 75 76 77 78 79 80 81	Group of Subject/ Subjects Linear Systems Theory Management Science Mechatronics Microcontroller and Peripheral Interface Controller Microcontroller Systems Microelectronic Circuit Design Microelectronics Microprocessors Microprocessors and Microcontroller System Mobile Communication
			Man and a second	VII. Digital System	82 83 84 85 86 87 88 89 90 91 92 93 94 95	Modelling and Simulation Modelling and Simulation Techniques Multimedia Communication Multimedia Systems Nano Electronics Nanotech and Nanotechnology Nanotechnology Network Analysis and Synthesis Network and Lines Network System and Filter Design Neural Network and Fuzzy Logic Neural Network and Fuzzy System Object Oriented Programming Operating System Optimization Techniques

Sr.	Faculty	ľ	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	19	Electronics and	I. Electronics and	97	Parallel Computing
	Technology		Telecommunication and	Telecommunication	98	Pattern Recognition and Classification
			Industrial Electronics	Engineering	99	Power Electronics
			Engineering	II. Industrial Electronics	100	Process Control System
				Engineering	101	Process Instrumentation
				III. Electronics Engineering (Communication	102	Radiation and Microwave Techniques
				Engineering)	103	Random Processes
				IV. Electronics	104	Real Time Operating System
				V. Electronics and	105	RF Circuit Design
				Communication	106	Robotics
				VI. Digital Electronics VII. Digital System	107	Satellite and Mobile Communication
					108	Satellite Communication
					109	Signal Processing and Application
					110	Solid State Devices and Circuits
					111	Speech and Audio Processing
			2		112	System Programming
				113	Telecomm Network Management	
			100		114	Telecommunication Network Management
					115	Telematics
				116	Television and Consumer Electronics	
					117	Transducers and Measurement Techniques.
			TOWN MANGE		118	VLSI Design
					119	VLSI Testing and Verification
		•			120	Wireless and Mobile Communication
					121	Wireless communication
					122	Wireless communication System

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	20	Electrical and	I. Electrical Engineering	1	A C Circuit and Transformer
	Technology		Instrumentation	II. Electrical Power	2	Advance Microprocessor
			Engineering	System	3	Agricultural Instrumentation
				III. Instrumentation	4	Analog and Digital Electronics
				Engineering	5	Analog Circuits and Analysis
					6	Analytical Instrumentation
					7	Applied Thermodynamics
					8	Artificial Intelligence
					9	Automatic Control Systems
					10	Automotive Instrumentation
					11	Basic Electrical Drives and Controls
					12	Biomedical Instrumentation
					13	Communication Engineering and Telemetry
					14	Computational Methods and Programming
					15	Computer Aided Power System Analysis
					16	Computer Network
					17	Computer Networking
			No.		18	Control System
					19	Control System Components
			College, and a second		20	Data Communication and Telemetry
					21	Digital Circuits Design
					22	Digital Control System
					23	Digital Signal Processing
					24	Digital Image Processing.
					25	Distributed Control System
					26	Discrete Control System and MATLAB

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	20	Electrical and	I. Electrical Engineering	27	Electric Traction Engineering
	Technology		Instrumentation	II. Electrical Power System	28	Electrical Engineering Materials
			Engineering	III. Instrumentation	29	Electrical Installation Estimation and Distribution
				Engineering	30	Electrical Machine Design
					31	Electrical Machine
					32	Electrical Machines and Networks
				3.5	33	Electrical Machines and Industrial Electronics
				.0	34	Electrical Measurement
					35	Electromagnetic Engineering
					36	Electromechanical Energy Conversion.
					37	Electronic Instrumentation
			39	38	Elements of Electrical Engineering	
				39	Elements of Electrical and Electronics Engineering	
				40	Embedded System	
				851,	41	Embedded System Design
					42	Energy Audit and Conservation
					43	Extra High Voltage Transmission
					44	Environmental Instrumentation
			11.0		45	Fibre Optics and Laser Instrumentation
					46	Flexible A C Transmission
				47	Flexible AC Transmission System and Power Quality	
				48	Generation Planning and Load Dispatch	
					49	High Voltage Engineering
					50	High Voltage Transmission
					51	Image Processing

Sr.	Faculty	ľ	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	20	Electrical and	I. Electrical Engineering	52	Industrial Automation
	Technology		Instrumentation	II. Electrical Power System	53	Industrial Drives and Control
			Engineering	III. Instrumentation	54	Industrial Electrical Engineering
				Engineering	55	Instrumentation for Agriculture, Food and Pharmaceutical Industry
					56	Instrumentation in Unit Operation
				2	57	Instrumentation System design
					58	Linear Techniques
					59	Measurement Fundamentals
					60	Metrology and machine Tools
			6	61	Microcontroller and Application	
				62	Microprocessor and Microcontroller	
				63	Microprocessor Techniques	
				The state of the s	64	Modelling And Simulation
					65	Nano Instrumentation
				66	Network Analysis	
					67	Neural and Fuzzy Logic
			No		68	Neural network and Fuzzy Logic Instrumentation
			49		69	Numerical Techniques
					70	Optimal and Adaptive Control
					71	Optimization Techniques
					72	Power Electronics
				73	Power Plant Engineering	
					74	Power Plant instrumentation
					75	Power System
					76	Power System Design Practice

Sr.	Faculty	ľ	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	20	Electrical and	I. Electrical Engineering	77	Power System Dynamics
	Technology		Instrumentation	II. Electrical Power System	78	Power System Operation And Control
			Engineering	III. Instrumentation	79	Power System Stability
				Engineering	80	Process Instrumentation
					81	Process Planning Estimation and Economics
					82	Programmable Logic Controller and Distributed Control System
					83	Renewable Energy Sources
					84	Robotics And Automation
				85 86 87 88 89	85	Sensors and Transducers
					86	Signals and System
					87	Soft Computing
					88	Switchgear and Protection
					89	Thermal and Fluid Power Engineering
				90	Unit Operation	
			Jan	93	91	Virtual Instrumentation
					92	Virtual Instrumentation and LABVIEW
					93	Advanced Power System Protection
					94	Artificial Intelligence and its Applications in Power Systems
					95	Computer Methods in Power System Analysis
					96	EHV Transmission Systems
					97	FACTS and Power Quality
		10	10,		98	High Voltage Power Transmission
					99	Power System Design
					100	Power System Modelling and Control

Sr.	Faculty	ſ	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and Technology	20	Electrical and Instrumentation Engineering	I. Electrical Engineering II. Electrical Power System III. Instrumentation Engineering	101	Power System Optimization Techniques Power System Planning and Reliability
		21	Mechanical , Production and Automobile Engineering	I. Mechanical Engineering II. Computer Aided Design and Analysis III. Machine Design IV. Thermal Engineering V. Production Engineering VI. Design Engineering VII. Automobile Engineering	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Advanced Air Conditioning Advanced Engine Technology Advanced Fluid Mechanics Advanced Heat Transfer Advanced Machine Design Advanced Manufacturing and Forming Processes Advanced Mechanical Engineering Design of Equipment Advanced Refrigeration Advanced Robotics Advanced Thermodynamics and Gas Dynamics Advanced Tool and Die Design Advanced Welding Technology Alternate Energy Sources Analysis and Synthesis of Mechanism Applied Thermodynamics Automobile Design Automobile Electrical Systems Automobile Engineering Automobile Engines Automobile Painting and Collision Repairs

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	21	Mechanical, Production	I. Mechanical Engineering	22	Automobile Services and Repairs
	Technology		and Automobile	II. Computer Aided Design	23	Automobile System Design
			Engineering	and Analysis	24	Automobile Systems
				III. Machine Design	25	Automotive Design
				IV. Thermal Engineering	26	Automotive Materials
				V. Production Engineering VI. Design Engineering	27	Autotronics
				VII. Automobile Engineering	28	Basic Electrical Drives and Controls
				VII. Automobile Engineering	29	CAD-CAM and Automation
					30	Computational Fluid Dynamics
					31	Computer Aided Design
					32	Computer Aided Design and Computer Aided
						Manufacturing
				16.0	33	Computer Aided Engineering
					34	Computer Aided Manufacturing
					35	Computer Methods in Mechanical Design
			4	7	36	Convective Heat Transfer Analysis
					37	Cost and Cost Control
			No.		38	Database Management
			Nana!		39	Design and synthesis of Mechanism
					40	Design for Manufacture and Assembly
					41	Design of Experiments and Analysis
					42	Design of Heat Exchanger
					43	Design of Machine Element
		•			44	Design of Material Handling Equipment
					45	Design of Pressure Vessel
					46	Design of Pumps and Compressors

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	21	Mechanical , Production	I. Mechanical Engineering	47	Electrical Machines and Industrial Electronics
	Technology		and Automobile	II. Computer Aided Design	48	Energy Conservation and Management
			Engineering	and Analysis	49	Energy Engineering
				III. Machine Design	50	Energy Resources and Technology
				IV. Thermal Engineering V. Production Engineering VI. Design Engineering	51	Engineering Drawing and Elements of Mechanical Engineering
				VII. Automobile Engineering	52	Engineering Mechanics
				VII. Automobile Engineering	53	Engineering Metallurgy
					54	Engineering Thermodynamics
					55	Equipment Design For Thermal Systems
				56	Finite Element Analysis	
					57	Finite Element Analysis and Simulation
				Techniques		
					58	Fluid Machinery
					59	Fluid Mechanics
					60	Gas Turbine and Jet Propulsion
					61	Heat Transfer
			No		62	Industrial Engineering
					63	Industrial Engineering and Safety
					64	Industrial Fluid Power
					65	Industrial Hydraulics And Pneumatics
			W. W.		66	Instrumentation and Automatic Control System
					67	Internal Combustion Engines
		-			68	Introduction to Computing
					69	Introduction to Robotics
					70	Mechatronic Product Design

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	21	Mechanical , Production	I. Mechanical Engineering	71	Machine Design
	Technology		and Automobile	II. Computer Aided Design	72	Machine Drawing and Computer Graphics
			Engineering	and Analysis	73	Machine Tool Design
				III. Machine Design	74	Machine Tools and Product Design
				IV. Thermal Engineering	75	Manufacturing Engineering
				V. Production Engineering VI. Design Engineering	76	Manufacturing Science
				VII. Automobile Engineering	77	Material Handling Systems
				VII. Automobile Engineering	78	Material Science
					79	Material Science and Metallurgy
					80	Measurement Techniques And Data Analysis
					81	Mechanical Design Analysis
					82	Mechanical Measurement and Metrology
				~4,0	83	Mechanical Vibration
					84	Mechatronics Systems
					85	Metrology and Quality Control
					86	Noise Vibration and Harshness in Automobiles
					87	Non Conventional Power Plant
			No		88	Non-Conventional Energy System
					89	Numerical Analysis and Computational Method
					90	Numerical Control and Machine Tool Robotics
					91	Numerical Methods in Thermal and Fluid
			N/N/			engineering
			JOHN MANO!		92	Operation Research
		•			93	Operation Research Techniques
					94	Optimization Techniques
					95	Optimization Techniques in Design

Sr.	Faculty	N	Name of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	21	Mechanical , Production	I. Mechanical Engineering	96	Personal Management and Industrial Relations
	Technology		and Automobile	II. Computer Aided Design	97	Power Plant Engineering
			Engineering	and Analysis	98	Process Equipment Design
				III. Machine Design	99	Procurement and Inventory Control
				IV. Thermal Engineering	100	Product Development and Rapid Prototyping
				V. Production Engineering VI. Design Engineering	101	Production Management
				VII. Automobile Engineering	102	Production Planning and Control
				viii) tatoilloone Engineering	103	Project and Business Management
				(2)	104	Refrigeration and Air Conditioning
					105	Research Methodology
					106	Robotics
					107	Solar Energy Technology
				30	108	Special Purpose Vehicles
					109	Strength of Materials
					110	System Dynamics and Simulation
					111	Theory of Elasticity and Plasticity
				O.	112	Theory of Machines
			10,0		113	Thermal Equipment Design
					114	Tool Engineering
					115	Transport Management and Motor Industry
					116	Transport Management and Safety Regulations
			HA A		117	Tribology
					118	Turbomachinery
			TOHN WALL		119	Vehicle Body Engineering
					120	Vehicle Testing and Evaluation
			*		121	Vibration Engineering

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	22	Pharmaceutics	I. Pharmaceutics	1	Dispensing Pharmacy
	Technology				2	Unit Operations
					3	Physical Pharmacy
					4	Communication Skills and Soft Skills Development
					5	Pharmaceutical Microbiology
					6	Hospital Pharmacy
				8	7	Pharmaceutical Technology
				(0)	8	Bio-Pharmaceutics and Pharmacokinetics
					9	Pharmaceutical Jurisprudence and Ethics
					10	Pharmaceutical Technology
					11	Pharmaceutical Industrial Management
				48	12	Pharmaceutics
					13	Pharma Marketing
				CALL	14	Quality Assurance
				/2,	15	Bioavailability and TDM
					16	Cosmeceutics
			No.		17	Packaging Technology
		23	Pharmaceutical Chemistry	I. Pharmaceutical	1	Inorganic Pharmaceutical Chemistry
				Chemistry	2	Inorganicand Physical Chemistry
					3	Organic Chemistry
					6	Biochemistry
					7	Medicinal Chemistry
					8	Pharmaceutical Analysis
					9	Drug design and lead Identification

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
1	Science and	24	Pharmacognosy	I. Pharmacognosy	1	Pharmacognosy
	Technology				2	Environmental Science
					3	Chemistry of Natural Products
					4	Pharmaceutical Biotechnology
					5	Medicinal Plant Biotechnology
					6	Plant Biotechnology
		25	Pharmacology	I. Pharmacology	1	Applied Biostatistics and Computer Applications
					-	in Pharmacy
				:17	2	Anatomy, Physiology and Health Education
					3	Industrial Psychology
					4	Pathophysiology of Common Diseases
					5	Pharmacology
				X/A	6	Clinical Pharmacy and Drug Interaction
		26	B.Tech Cosmetics	I. Cosmetics	1	Cosmetics
		27	Public Health Science	Public Health Science	1	Public Health Science
		28	Physiotherapy	I. Physiotherapy	1	Physiotherapy
		29	Nursing	I. Nursing	1	Nursing
		30	Health Care	I. Health Care	1	Health Care

Sr.	Faculty	ſ	Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	1	Accountancy and Costing	I. Accountancy and	1	Financial and Cost Accounting
	and			Costing	2	Advanced Cost and Management Accounting
	Management				3	Principles of Accounting
					4	Cost Control and Cost Reduction
					5	Business Accounting
					6	Management Accounting
					7	Auditing Practices
					8	Cost and Management Accountancy
					9	Corporate Accounting and Costing
					10	Advanced Accountancy
					11	Corporate Accounting
					12	Cost Accounting
				~4.0	13	Advanced Accounting
					14	Income Tax
					15	Auditing and Information System Audit
					16	Financial Accounting and Costing
					17	Financial Accounting
			10.		18	Corporate Accountancy
			Wyl.		19	Principles & Practices of Auditing
					20	Advanced Cost Accountancy
					21	Management Accounting and Financial Management
					22	Financial Management and Decision Making
					23	Principles and Practices of Auditing
		-			24	Direct and Indirect Tax
					25	Auditing
					26	Auditing and ISA

Sr.	Faculty	1	Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	1	Accountancy and Costing	I. Accountancy and	27	Business Accounting and Financial Management
	and			Costing	28	Security Analysis and Portfolio Management
	Management				29	Corporate Laws and Income Tax Laws
					30	Income Tax Law
					31	Financial Services and Instrument
					32	Financial Analysis and Business Journalism
				., C	33	Introduction to Information System Audit
				.01	34	International Financial Management
					35	International Finance
		2	Commerce and Business	I. Commerce and	1.	Corporate Law
			Laws	Business Laws	2.	Business Ethics and Mind Management
					3.	Current Business Scenario
				160	4.	Industrial Safety Management
					5.	Co-operative Laws and Micro Finance
					6.	Business Law
			3	8.7	7.	Company Law
					8.	Stock and Commodity Market
			No.		9.	Mercantile Laws
			18		10.	Production and Material Management
					11.	Industrial Relation
					12.	Production Management
					13.	Business Research Methods
					14.	Corporate Social Responsibility
		4			15.	e-Commerce and Excellence Management
					16.	Indian Commercial Laws
					17.	Industrial Relations and Trade Unions

Sr.	Faculty Name of Board of Studies 5		Subject		Group of Subject/ Subjects		
2	Commerce	2	Commerce and Business	I. Commerce and	18.	Industrial Compliance Framework	
	and		Laws	Business Laws	19.	Consumer Protection and Business Ethics	
	Management				20.	Foundation Course for Managers	
					21.	Business Communication	
					22.	Business Enterprises	
					23.	International Business	
					24.	Corporate Governance	
					25.	Entrepreneurship Development	
					26.	Corporate Communication Skills	
					27.	Legal Aspects of Business	
					28.	Social Security and Welfare Legislations	
					29.	Labour Legislations	
				~ (0	30.	Public Relations	
					31.	Research Methodology in Commerce and Management	
				C/	32.	Research Methodology	
			4	3-3	33.	Labour Welfare and Administration	
					34.	Professional Communication	
			Ma.		35.	Entrepreneurship and Project Management	
			10		36.	Indian Financial System	
					37.	Foreign Trade	
					38.	Soft Skills Development	
					39.	Advance Research Method	
					40.	Ethical Practices in Business	
					41.	Direct Tax Law and Practices	
					42.	Industrial Legislation and Labour Laws	
					43.	Operation Research	

Sr.	Faculty	ſ	Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	2	Commerce and Business	I. Commerce and	44.	Principles and Practices of Insurance
	and		Laws	Business Laws	45.	Business and Tax Law
	Management				46.	Business Entrepreneurship
					47.	Corporate Regulatory and Framework
					48.	Income Tax and Competitive Skills
					49.	Entrepreneurship
				3°C	50.	Legal Aspects of Business
				.0	51.	Direct Tax Laws and Business Laws
					52.	Competitive Skills
				110/13	53.	Business and Mercantile Law
					54.	Competitive Business Skills
					55.	Social Security and Welfare Regulations
				74.0	56.	Case Study in Industrial Relations
					57.	Laws Relating to Industrial Relations
					58.	Professional Communication Skills
			8	0.3	59.	Communication Skills and Auditing
					60.	Corporate Laws and Income Tax
			Mo.		61.	Business Research Methods
					62.	Industrial Counselling
					63.	Industrial Psychology and Sociology
					64.	Rural Development
					65.	Business Ethics and Professional Values
					66.	Banking and Insurance
		3 •	Business Administration	I. Business	1	HR Administration and Labour Welfare
			1	Administration	2	Organizational Behaviour
					3	Quality Control and Application

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	3	Business Administration	I. Business	4	Business Plan
	and			Administration	5	Modern Retail Management
	Management				6	Marketing and Advertising
					7	Marketing Management
					8	Business Administration
					9	Retail Management
					10	Supply Chain Management
					11	Sales and Distribution Management
					12	Marketing Strategic and Competitive Positioning
					13	Retail Marketing
					14	Agriculture Marketing
					15	Financial Instruments
				~4.0	16	Management Principles
					17	Logistics and Supply Chain Management
				C	18	Financial Management
			3		19	International Marketing and Export Promotion
					20	Import Export Management
			100.		21	Labour Welfare and Administration
			N Shi		22	Principles of Marketing
					23	Marketing Research Consumer Behaviour
					24	Marketing and Retail Management
			A A A		25	Global Marketing Management
					26	Distribution and Logistics Management
		4			27	International Logistic and Supply Chain Management
					28	Distribution and Retail Management
					29	Advertisement and Sales Promotion

Sr.	Faculty	Name of Board of Studies		Subject		Group of Subject/ Subjects
2	Commerce	3	Business Administration	I. Business Administration	30	Promotion and Brand Management
	and				31	Service Marketing
	Management				32	Office Management
					33	Promotion Management
		4	Business Economics and	I. Business Economics and	1	Principles and Practices of Banking
			Banking	Banking	2	Business Economics
				3°C	3	Macro-Economics
				.0	4	Global Economic Scenario
					5	Indian Economic Scenario
					6	Advanced Banking
					7	Economics of Industries
					8	Micro-Economics
				74.0	9	Managerial Economics
					10	Modern Banking and Financial System
					11	Labour Economics
			8	0-3	12	Indian Economy
					13	Economics of Global Trade and Finance
			No		14	Industrial Economics
					15	International Economic Scenario
					16	Fundamentals of Banking and Insurance
					17	Principles of Economics
					18	Banking and Finance Management
					19	Labour Economics and International HRM
		•			20	Agriculture Economics
					21	Global Economics
					22	Indian Economics

Sr.	Faculty	ľ	Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	4	Business Economics and	I. Business Economics	23	Basic Economics Concepts
	and		Banking	and Banking	24	New Trends and Development in Agri Sector
	Management				25	Agro Business
		5	Management Studies	I. Management Studies	1	Human Resource Management
				II. Personnel	2	International Business Management
				Management	3	Global Management Practices
					4	Personnel Management
					5	Innovation Management
					6	Strategic Management
					7	Event and Hospitality Management
					8	Modern Management Principles
				49	9	Modern Management Techniques
					10	Modern Management Practices
					11	Personal Administration and Management
				CI	12	Strategic Financial Management
			3		13	Modern HR Practices and OD
					14	HR in Services Management
			10.		15	Strategic Technology Management
					16	Total Quality Management
					17	Strategic Sourcing for Operations
					18	International Marketing Management
					19	International Strategic Management
					20	International Services and Quality Management
					21	Agro Business Management
					22	Management of Agriculture and Allied Sciences
					23	Management of Agri-Business Projects

Sr.	r. Faculty		Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	5	Management Studies	I. Management Studies	24	Case Studies in Strategic Management
	and			II. Personnel	25	Family Business Management
	Management			Management	26	Hospitality Management
					27	Case Studies in Management and Managerial
					9.	Decision Making
					28	Advanced Human Resource Management
					29	HRM Practices
					30	Case Study in PM
				,0)	31	Operations Management
					32	Introduction to ERP and SAP
					33	Labour Costing and Compensation Management
					34	Career Management and Counselling
					35	Operations and Material Management
					36	Integrated Material Management
					37	Inventory Management and Requirement
						Planning
			1		38	Production and Operations Management
			4	0,	39	Business Management
					40	Principles of Management
			Mo.		41	Financial Management
					42	Principles and Practices Management
					43	Strategic Human Resource Management
					44	Management Principle and Personnel
						Management
					45	Invest Management
					46	Management Information System
		•			47	Management Information System and ERP
					48	Modern Office Management

Sr.	Faculty	ı	lame of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	5	Management Studies	I. Management Studies	49	Enterprise Resource Planning
	and			II. Personnel Management	50	Management Science
	Management	6	Computer Management	I. Computer Management	1	Internet and Web Design
					2	Server Side Scripting using PHP
					3	Advanced Excel
					4	Quantitative Techniques
					5	Programming in C++
				6	6	Fundamentals of Computer and Internet
					7	Cyber Laws and Security
					8	Database Management
					9	System Analysis and Design
					10	RDBMS using Oracle and D2K
					11	RDBMS
					12	Java Programming Languages
					13	Information System for Business
					14	Introduction to Information System Audit
					15	CASE Tool with MS VISIO
			No		16	MSOFFICE 2007, Word, Excel, Power Point
			W. S.		17	e-Services Applications
					18	Management Information System
					19	Computer Fundamentals and Office Automation
			A STATE OF THE STA		20	Tally ERP
					21	Tally, MS-ACCESS and e-Commerce
					22	Business Statistics
					23	Business Statistics and Operation Research
					24	Business Mathematics

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	6	Computer Management	I. Computer Management	25	Internet and Application
	and				26	Web Designing Using HTML
	Management				27	Internet and HTML
					28	e-Commerce
					29	Mathematics and Statistics for Manager
					30	MS-Office, Internet
				32.	31	C# .Net
					32	e-Business and e-Governance
					33	Computing Management
					34	ASP.NET
					35	Computer Application
					36	Data Structure
				16.0	37	Computer Animation Using Flash
					38	Introduction to e-Commerce
					39	Information Technology for Managers
				8-3	40	Cyber Crime and Security Law
					41	ICT in Taxation
			No		42	Internet Programming with ASP .NET
			101		43	Linux Operating System
					44	MIS and ERP
					45	ERP
					46	Cyber Crime and Security
			I OF THE PROPERTY OF THE PROPE		47	Management Information System and e-Commerce
					48	Database Management System
					49	Software Engineering
					50	Oracle and Visual Basic

Sr.	Faculty	Faculty Name of Board of Studies		Subject		Group of Subject/ Subjects
2	Commerce	6	Computer Management	I. Computer Management	51	Internet Technology
	and				52	Software Project Management and Information
	Management					System Audit
					53	Systems Management
					54	Information Technology and Systems
					K M	Management
					55	Database Administration with Oracle and D2K
					56	Scripting Languages
					57	Commerce and Web Site Management
					58	Data Mining and Data Warehousing
					59	VB.NET
					60	Database Administration and Security
				62	61	Advanced Graphics and Animation
					62	ICT Fundamental and Operating Systems
					63	Object Oriented Programming using C++
			1	3	64	Web Designing and Web Tools
				O.	65	RDBMS with MS - SQL Server
			V. O.		66	Programming Concept using C++
					67	Graphics and Animation
					68	Cyber Crime and Security
			M.		69	Java Programming
			*//		70	Computer Fundamental and Application
					71	Human Resource Information Systems and ERP
		4			72	Introduction to Internet and Web Technologies

Sr.	Faculty	ſ	Name of Board of Studies	Subject		Group of Subject/ Subjects
2	Commerce	6	Computer Management	I. Computer Management	73	Web Designing using HTML
	and				74	Programing In VB.NET
	Management				75	Oracle and D2K
					76	Computer Awareness
					77	Internet and Web Services
					78	Software Testing
				3°C	79	MS-Access and VB 6.0
				.0	80	e-Commerce and Internet Services
					81	Computer Animation
					82	Fundamentals of Computer and Internet
					83	Introducing to Programming using C++
					84	MS Access and Visual Basic 6.0
				~4.0	85	Information System and Introduction to BPO
					86	Essentials of e-Commerce

Sr.	Faculty	ſ	Name of Board of Studies	Subject		Group of Subject/ Subjects
3.	Humanities	1	Marathi	I. Marathi	1	Marathi
		2	Hindi	I. Hindi	1	Hindi
		3	English	I. English	1	English
		4	Ancient Indian Languages	I. Sanskrit	1	Sanskrit
				II. Pali	2	Pali
				III. Ardhmagadhi (Prakrit)	3	Ardhmagadhi (Prakrit)
		5	Urdu, Persian and Arabic	I. Urdu	1	Urdu
			Languages	II. Persian and Arabic Languages	2	Persian and Arabic Languages
		6	History	I. History	1	History
				II. History of Civilization	2	History of Civilization
		7	Political Science	I. Political Science	1	Political Science
				II. Public Administration	2	Public Administration
		8	Psychology	I. Psychology	1	Psychology
		9	Yoga Studies	Yoga Studies	2	Yoga Studies
		10	Defence and Strategic Studies	I. Defence and Strategic Studies	1	Defence and Strategic Studies
		11	Economics	I. Economics	1	Economics
		12	Philosophy	I. Philosophy	1	Philosophy
				II. Logic	2	Logic
		13	Sociology	I. Sociology	1	Sociology
		14	Social Work	I. Social Work	1	Social Work
		15	Law	I. Law	1	Administrative Law and Right to Information
				II. Taxation Law	2	Alternative Dispute Resolution
				III. Labour Law	3	Arbitration, Conciliation and ADR Systems

Sr.	Faculty		Name of Board of Studies	Subject		Group of Subject/ Subjects
Sr. 3.	Humanities Humanities	15	Law	IV. Bioforensic and Bioterrorism Law V. Intellectual Property Rights VI. Medical Jurisprudence and Toxicology	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Banking Laws and Negotiable Instruments Basic of Law, Forensic Science and Crime Bioterrorism: National and International Scenario Book Keeping and Accountancy Business Law Civil Procedure Code and Limitation Act Company Law Comparative Criminal Procedure Computer Constitutional Law Constitutional Law and New Challenges Criminal Procedure Code Criminal Procedure code, Juvenile Justice Act and Probation of Offenders Criminology Cyber Space and IPR Drafting ,Pleading ,Conveyancing Economics English (Compulsory)
					21 22	English (Compulsory) Environmental Law
					23	Equity & Trust
					24	Family Law
					25	Finance Act 1994 (Service Tax)

Sr.	Faculty	ı	Name of Board of Studies	Subject		Group of Subject/ Subjects
3.	Humanities	15	Law	I. Law II. Taxation Law	26	Forensic Science and its Application in Crime Investigation
				III. Labour Law	27	General English
				IV. Bioforensic and	28	General Law affecting Taxation
				Bioterrorism Law	29	General Regime of IPR
				V. Intellectual Property Rights VI. Medical	30	Geographical Indications, Layout designs of Integrated Circuits and Protection of Plant Varieties and Farmers' Rights
				Jurisprudence and Toxicology	31	History
				Toxicology	32	History of Courts, Legislature and Legal profession
					33	Human Rights
					34	Human Rights and International Law
				7. C.	35	Income Tax Act 1961 with Relevant Rules
				Chip.	36	Industrial Relations
					37	Insurance Law
			A.	0.7	38	Interpretation os Statues & Legislative Principles
			(8)		39	Judicial Process (Jurisprudence)
			Maria		40	Jurisprudence
			" W.O.		41	Juvenile Delinquency
					42	Labour Laws
					43	Land Laws
					44	Land Laws including Ceiling and any other Local Laws Tenancy Laws and Land Laws
			10,		45	Law and Medical Profession
					46	Law and Social Transformation in India
			· ·		47	Law of Contract

Sr.	Faculty	N	lame of Board of Studies	Subject		Group of Subject/ Subjects
3.	Humanities	15	Law	I. Law II. Taxation Law III. Labour Law	48 49 50	Law of Crimes Law of Evidence Law of Import Export Regulation
				IV. Bioforensic and Bioterrorism Law V. Intellectual Property Rights VI. Medical Jurisprudence and Toxicology	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	Law of Import Export Regulation Law of Medicine Law of Torts Law of Torts including MV Accident and Consumer Protection Act Law of Trust Law of Wages and Principles of Wage Fixation Legal Education and Research Methodology Legal Language / Legal Writing Including General English Legal Language including Legal Writing Legal Regulation of Economic Enterprises Legislation Affecting Condition of Work Legislative Principles and Interpretation of Statutes Logic Maharashtra Professional Central Sales & Wealth Tax Act Marathi Mass Media Law Medico Legal Aspects
		4			67 68	Medico legal Practice Ownership and Enforcement of IPR

Sr.	Faculty	N	ame of Board of Studies		Subject		Group of Subject/ Subjects
3.	Humanities	15	Law	I. La	aw	69	Penology
					axation Law	70	Penology: Treatment of Offenders
					abour Law	71	Political Science
					ioforensic and ioterrorism Law	72	Principles of Taxation
		73	Public International Law				
					ights	74	Public Utilities Law
				VI. M		75	Recent Advances in Forensic Science and the
					risprudence and		Laws
				To	oxicology	76	Social Security Legislation
						77	Sociology
						78	Special Contract
				3	· A	79	Taxation Law
				1 X		80	The Maharashtra Value Added Tax Act 2002
				C. A. A.		81	Toxicology
						82	Transfer of Property Act
				J.		83	Trust Equity and Fiduciary Relationships

Sr.	Faculty	N	ame of Board of Studies	Subject		Group of Subject/ Subjects
4.	Inter-disciplinary	1	Education	I. Education	1	Education in 21 st Century
	Studies				2	Teacher Education
					3	Educational Technology
					4	New Trends in Education
					5	Advanced Educational Theory
				•	6	Fundamental of Educational Theory
					7	Knowledge and Curriculum
					8	Contemporary India and Education
					9	Language across the Curriculum
					10	Genders, School and Society
					11	Inclusive Education
					12	Curriculum Designing, Adaptation and Evaluation
				4' Ò	13	Curriculum, Adaptation and Strategies for
						Teaching Expanded Curriculum
					14	Philosophy of Education
				.03	15	Sociological Foundation of Education
					16	Deprived and Women Education in India
			10	O-1	17	Elementary and Secondary Education
					18	Curriculum Development and Transaction
			Contract of the second		19	Special Education
					20	Higher Education in India
					21	Educational Theories in Global Perspectives
					22	ICT and e-learning
		2	Educational	I. Educational Psychology	1	Learning and Teaching
			Psychology		2	Learning Teaching and Assessment
					3	Childhood and Growing Up

Sr.	Faculty	Na	ame of Board of Studies	Subject		Group of Subject/ Subjects
4.	Inter-disciplinary	2	Educational	I. Educational Psychology	4	Human Growth and Development
	Studies		Psychology		5	Assessment and Identification of Needs
					6	Community Based Rehabilitation
					7	Gender and Disability
					8	Guidance and Counselling for Disabled
					9	Psycho Social and Family Issues
					10	Technology and Disability
				101	11	Identification of Children with Visual Impairment and Assessment of Needs
					12	Educational Guidance and Counselling
					13	Psychology of Development and Learning
					14	Advanced Guidance, Counselling
				47	15	Learning, Teaching and Childhood Psychology
					16	MR E1 - E11
					17	VI E1 - E11
				.03	18	Dissertation
		3	Administration and Evaluation	I. Administration and Evaluation	1	Pedagogical Content Knowledge CCM-I,III (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Mathematics, Science)
			Mo.		2	Pedagogical Content Knowledge CCM- II,IV (Marathi, Hindi, English, History, Geography, Urdu, Sanskrit, Mathematics, Science)
			10/7		3	Information Communication and Technology and e-Learning
		4			4	Teaching Methodologies

Sr.	Faculty	Na	ame of Board of Studies	Subject		Group of Subject/ Subjects
4.	Inter-disciplinary Studies	3	Administration and Evaluation	I. Administration and Evaluation	5	Pedagogy of Teaching (Special Reference to MR) : Languages
					6	Pedagogy of Teaching Mathematics
					7	Pedagogy of Teaching Science
					8	Pedagogy of Teaching Social Studies
					9	Pedagogy of Teaching (Special Reference to VI):
					A TO	Languages
					10	Intervention and Teaching Strategies
					11	Technology and Education of the Visually Impaired
					12	Methodology of Educational Research
					13	Educational Planning and Administration
					14	EPC
				. 2	15	Internship Programme
				X	16	Applied Paper on Internship
					17	Final Lesson
					18	Statistical Methods for Data Analysis
				40	19	Assessment for Learning
		4	Physical Education	Physical Education	1	Organization and Administration in Physical
						Education
			1/0.		2	Officiating and Coaching
					3	Test Measurement and Evaluation in Physical
						Education
					4	Contemporary Issues in Physical Education, Fitness
			101			and Wellness
		4			5	Sports Psychology

Sr.	Faculty	ſ	Name of Board of Studies	Subject		Group of Subject/ Subjects
4.	Inter-disciplinary	4	Physical	I. Physical Education	6	Sports Medicine
	Studies		Education		7	Computer Applications in Physical Education
					8	Yoga Education
					9	Olympic Movement
				• 30	10	Curriculum Design in Physical Education
					11	Health Education and Environmental Studies
					12	Sports Medicine, Physiotherapy and Rehabilitation
				. 10	13	Kinesiology and Biomechanics
					14	Research and Statistics in Physical Education
					15	Sports Nutrition and Weight Management
					16	Sports Management
				~ £. O.	17	Educational Technology and Methods of Teaching
						in Physical Education
					18	Anatomy and Physiology
					19	History, Principles and Foundation of Physical
						Education
			•	V.O.	20	Sports Psychology and Sociology
					21	Measurement and Evaluation in Physical Education
				J.	22	Physiology of Exercise
					23	Sports Biomechanics and Kinesiology
			XX		24	Sports Journalism and Mass Media
					25	Sports Technology

Sr.	Faculty	Na	ame of Board of Studies	Subject		Group of Subject/ Subjects
4.	Inter-disciplinary Studies	4	Physical Education	I. Physical Education	26	Information and Communication Technology (ICT) in Physical Education
					27	Yogic Science
					28	Scientific Principles of Sports Training
					29	Theory of Sports and Games
					30	Sports Management and Curriculum Design in
					7	Physical Education
					31	Athletic Care and Rehabilitation
					32	Health Education and Sports Nutrition
					33	Sports Engineering
					34	Physical Fitness and Wellness
				14/8	35	Research Process in Physical Education and Sports Sciences
					36	Applied Statistics in Physical Education and Sports
					37	Value and Environmental Education
				4.0.	38	Teaching Practice
					39	Dissertation
			6 f		40	Ground Practice
			M a	0	41	Internship

Sr.	Faculty	N	ame of Board of Studies	Subject		Group of Subject/ Subjects
4	Inter-disciplinary	5	Fine and	I. Music	1	Music
	Studies		Performing Arts	II. Dancing	2	Dancing
				III. Dramatics	3	Dramatics
				IV. Drawing and Painting	4	Drawing and Painting
				V. Sculpture	5	Sculpture
				VI. Applied Art VII. Printing Art	6	Applied Art
				VIII. Print Making	7	Printing Art
				IX. Art History	8	Print Making
				X. Visual Communication	9	Art History
					10	Visual Communication
		6	Library and	I. Library and Information Science	1	Library and Information Science
			Information	~4.0		
		7	Science Mass	I. Mass Communication and	1	Mass Communication and Journalism
		'	Communication	Journalism	1	Wass Communication and Journalism
		8	and Journalism	Journalism		
			B.Voc. Agricultural and Natural Resource	B.Voc. Agricultural and Natural	1	Agricultural and Natural Resource Management Skill.
				Resource Management Skill	2	Agriculture
			Management Skill). `	3	Soil and Water Conservation
		9		I. B.Voc. Animation and Web	1	Animation and Web Designing
				Designing	2	Software Development
					3	Printing and Publishing
		10	B.Voc. Beauty Therapy	I. B.Voc. Beauty Therapy	1	Beauty Therapy

Sr.	Faculty	Name of Board of Studies		Subject		Group of Subject/ Subjects
4	Inter-disciplinary Studies	11	B.Voc. Fashion Designing	I. B.Voc. Fashion Designing	1	Fashion Designing
		12	Thoughts	 Dr.Ambedkar Thought 	1	Dr.Ambedkar Thought
				II. Gandhian Thought	2	Gandhian Thought
				III. Buddhist Heritage Studies and Tourism	3	Buddhist Heritage Studies and Tourism
		13	Skill	I. Skill Development	1	Community Education and Vocational Courses
			Development	(3)		
		14	Women's	I. Women's Studies	1	Women's Studies
			Studies			
		15	Nanotechnology	I. Nanotechnology	1	Nanotechnology

NORTH MAHARASHTRA UNIVERSITY, JALGAON

[D] The Departments in the University and Colleges with the subjects and their CorrespondingBoard of Studies.

(Under Section 40(1)(2) of the Maharashtra Public Universities Act 2016)

The Departments in the University and Colleges teaching the subjects at the special, principal, major or main level for the purposes of Board of Studies under section 40(1)(2) of the Maharashtra Public Universities Act, 2016shall be as given below:

1. Faculty of Science and Technology:-

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	1. Department of Mathematics	1	Board of Studies in Mathematics
1	Mathematics		16/2
	2. Department of Statistics	2	Board of Studies in Statistics
1	Statistics	2	
2	Actuarial Science	A STATE OF THE STA	
	3. Department of Physics	3	Board of Studies in Physics
1	Physics		
2	Energy Studies		
3	Material Science		
	4. Department of Chemistry	4	Board of Studies in Chemistry
1	Chemistry		
2	Inorganic Chemistry		
3	Organic Chemistry		
4	Analytical Chemistry		
5	Physical Chemistry		
6	Drug Chemistry		
	5. Department of Botany	5	Board of Studies in Botany
1	Botany		
The state of the s	6. Department of Computer Sciences	6	Board of Studies in Computer Sciences
1	Computer Science		
2	Information Technology		
3	Computer Application (MCA)		
	7. Department of Zoology	7	Board of Studies in Zoology
1	Zoology		
	8. Department of Geography	8	Board of Studies in Geography
1	Geography		
2	Applied Geography		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	9. Department of Life Sciences	9	Board of Studies in Life Sciences
1	Microbiology		
2	Biochemistry		
3	Biotechnology		
	10. Department of Electronic Science and Instrumentation	10	Board of Studies in Electronic Science and Instrumentation
1	Electronic Science		
2	VLSI Technology		
1	11. Department of Environmental Science Environmental Science	11	Board of Studies in Environmental Science
	12. Department of Chemical Sciences	12	Board of Studies in Chemical Sciences
1	Polymer Chemistry		
2	Pesticides and Agrochemicals		
3	Industrial Chemistry		36/2
4	Organic Chemistry		
5	Analytical Chemistry	200	
6	Physical Chemistry	10 A 10	
	13. Department of Geosciences	13	Board of Studies inGeosciences
1	Geology		
2	Applied Geology		
3	Geoinformatics		
	14. Department of Applied Sciences and Humanities	14	Board of Studies in Applied Sciences and Humanities
1	Applied Inorganic Chemistry		
2	Applied Mathematics		
3	Applied Organic Chemistry		
4	Applied Physical Chemistry		
	Bioprcess Industrial Economics and		
5	Management		
6	Communication and Soft Skill		
7	Computer Programming		
8	Computer Science and Application		
9	Engineering Chemistry		
10	Process Engineering and Economics Costing/		
	Plant Design and economics costing		
11	Engineering Mathematics		
12	Engineering Physics		
13	Entrepreneurship		
14	Entrepreneurship and Business Planning		
15	Entrepreneurship Development		
16	Environmental Sciences/Studies		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	14. Department of Applied Sciences and Humanities	14	Board of Studies in Applied Sciences and Humanities
17	Financial Management		
18	Industrial Economics and Management		
19	Industrial Management		
20	Industrial Management and Communication Skill		
21	Industrial Organization and Management		
22	Inorganic Chemistry		
23	Intellectual Property Rights		163
24	IPR and Entrepreneurship		1310
25	Managerial Behaviour: Psychosocial Dimensions	-	
26	Marketing Management		
27	Mathematics		19
28	Organic Chemistry	9	
29	Physical Chemistry	800	
30	Physics	The state of the s	
31	Plant Design, Economics and Costing		
32	Process Engineering Economics and Costing		
33	Professional Communication		
34	Soft and Entrepreneurship Skill		
35	Soft Skills		
	15. Department of Chemical Engineering, Chemical Technology and Bio-technology (Engineering)	15	Board of Studies in Chemical Engineering, Chemical Technology and Bio-technology (Engineering)
1	Applied and Structural Mechanics		
2	Advance Catalysis		
3	Advanced Bakery and Confectionary		
	Technology		
4	Advanced Biomaterials		
5	Advanced Separation Techniques		
6	Advanced Technology in Food Packaging		
7	Advances in Food Nutritions		
8	Advances in Technology of Oil and Fats Product		
9	Advenced Food Processing Technology		
10	Animal Biotechnology		
11	Application Techniques and Paints Defect		
12	Applications of Nano Science and Technology in Electronics		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	15. Department of Chemical Engineering, Chemical Technology and Bio-technology (Engineering)	15	Board of Studies in Chemical Engineering, Chemical Technology and Bio-technology (Engineering)
13	Applications of Nano Science and Technology in Material Technology		
14	Applied Colloid and Surface Chemistry		
15	Applied Genetic Engineering		
16	Automotive and Insulation Coatings	=	
17	Bio Polymers		140
18	Biochemical Engineering		
19	Biochemistry	1	/.0.
20	Biofuel and Alcohol Technology		3
21	Bioinformatics		· * * * * * * * * * * * * * * * * * * *
22	Biological Thermodynamics		.619
23	Biomechanics		
24	Biomedical Fluid Dynamics	- P 4	
25	Biomedical Instrumentation	1000	
26	Biomedical Instrumentation	-	
27	Bioprocess Calculation		
28	Bioprocess Engineering		
29	Bioprocess Engineering and Economics		
30	Bioprocess Equipment Design		
31	Bioprocess Industries		
32	Bioprocess Instrumentation and Analysis		
33	Bioprocess Modelling and Simulation		
34	Bioprocess Principles		
35	Biosafety and Bioethics		
36	Biostatistics		
37	Biotechnology and Waste Treatment		
38	Chemical Engineering Materials		
39	Chemical Engineering Modelling and		
40	Optimization	-	
40	Chemical Engineering Process		
41	Chemical Engineering Thermodynamics		
42	Chemical Equipment Design	-	
43	Chemical Plant Design and Project		
44	Engineering Chemical Process Technology	1	
45	Chemical Reaction Engineering	1	
46	Chemistry and Technology of Oils and Fats	-	
	Circuistry and recimology of Olis and Fats	<u> </u>	

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	15. Department of Chemical Engineering, Chemical Technology and Bio-technology (Engineering)	15	Board of Studies in Chemical Engineering, Chemical Technology and Bio-technology (Engineering)
47	Chemistry and Technology of Polymers		
48	Chemistry and Technology of Powder		
	Coatings		
49	Chemistry and Technology of Polymers.		
50	Chemistry of Surfactants and Oleo Chemicals		
51	Computational Fluid Dynamics		100
	Computer Aided Process Equipment Design,		
52	Modelling and Simulation		10
53	Concept in Biotechnology		3
54	Down Stream Processing		· K A 1
55	Eco-friendly Coating Technologies		()
56	Elements of Mechanics and Workshop		(3)
	Technology	A 4	♂ `
57	Energy Engineering	Of State	
58	Engineering Graphics	200	
59	Engineering of Pigmented Dispersion		
60	Environmental Biotechnology		
61	Enzyme Engineering		
62	Fermentation Biotechnology		
63	Fermentation Technology		
64	Fluid Flow Operation		
65	Food Biochemistry and Nutrition		
66	Food Biotechnology		
67	Food Chemistry		
68	Food Engineering		
69	Food Processing		
70	Food Quality		
71	Food Toxicity, Quality and Safety		
72	Generation and Transmission of Mechanical	1	
-	Power		
73	Genetic Engineering		
74	Genomics and Proteomics		
75	Good Manufacturing Practices	1	
76	Heat Transfer	1	
77	Heat, Mass and Momentum Transfer	1	
78	High Fats Products and Hydrogenation	1	
	Immunology	-	
79	Initiationogy	<u> </u>	

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	15. Department of Chemical Engineering, Chemical Technology and Bio-technology (Engineering)	15	Board of Studies in Chemical Engineering, Chemical Technology and Bio-technology (Engineering)
80	Industrial Fermentation Technology		
81	Industrial Hazards and Safety		
82	Industrial Pollution and Control		
83	Instrumentation and Instrumental Analysis		
84	Instrumentation and Process Control		.00
85	Introduction to Chemical Engineering		100
86	Introduction to Polymer Technology		
87	Machine Design and Drawing		
88	Mass Transfer		3
89	Mass Transfer Operations	1	· * * * * * * * * * * * * * * * * * * *
90	Mass Transfer with Multiphase System		16/2
91	Material Technology		
92	Mathematical Methods in Chemical	A 8	
	Engineering	4	•
93	Mechanical Operation	1	
94	Medicinal Chemistry and Drug Discovery	1	
95	Metabolic Engineering		
96	Microbiology		
97	Microbiology and Molecular Biology		
98	Modelling Simulation and CAD		
99	Modern Methods of Extraction		
100	Modern Methods of Instrumental Analysis		
101	Modified and Tailor Made Oils		
102	Molecular Biology		
103	Molecular Modelling and Drug Design		
104	Mould and Die Design		
105	Nano Biotechnology		
106	Nano Particles in Energy Production		
107	Newer Separation Techniques		
108	Newer Techniques of Synthesis and Curing of		
108	Polymers		
109	Non Traditional Oil and Non Triglyceride		
	Constituents		
110	Oil Technology	1	
111	Petrochemical Technology	1	
112	Petrochemicals	1	
113	Petroleum Refining Engineering	1	

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	15. Department of Chemical Engineering, Chemical Technology and Bio-technology (Engineering)	15	Board of Studies in Chemical Engineering, Chemical Technology and Bio-technology (Engineering)
114	Pharmaceutical Biotechnology		
115	Piping Design		
116	Plant Biotechnology		
117	Plant Design Economics and Costing		
118	Plant Tissue Culture and Plant Biotechnology		
119	Plant Utility		100
120	Plastic Waste Management		
121	Pollution Control In Chemical Industries		
122	Polymer Blends and Composites		
123	Polymer Reaction Engineering		
124	Polymer Recycling and Waste Management		191
125	Polymer Technology	. (
126	Polymer Testing	Esse to	
127	Polymerization Kinetics	A STATE OF THE PARTY OF THE PAR	
128	Post-Harvest Technology of Oil Bearing Materials		
129	Principles of Food Preservation		
130	Process Calculations		
131	Process Dynamic and Control		
132	Process Engineering Economics and Costing		
133	Process Equipment Design		
134	Process Heat Transfer		
135	Processing of Plastics		
136	Project Engineering and Economics		
	Protein Engineering		
138	Quality Assurance and Analysis of Surface		
	Coating		
139	Quality Control Techniques in Oil and Fats		
140	Quantum Mechanics		
141	Radiation Curing Coating		
142	Reaction Engineering		
143	Reaction Engineering and Nano Catalysis		
144	Refining of Oils and Fats		
145	Science and Technology of Nano Medicines		
146	Science and Technology of Nano Composites		
	and Nano Pigments		
147	Special Purpose and Effect Coatings		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies	
	15. Department of Chemical Engineering, Chemical Technology and Bio-technology (Engineering)	15	Board of Studies in Chemical Engineering, Chemical Technology and Bio-technology (Engineering)	
148	Speciality Pigments and Additives in Coatings			
149	Stem Cell Technology			
150	System Biology			
151	Techniques for Synthesis of Nano Particles			
152	Technological Advances in Perfumery and Cosmetics		1990.	
153	Technology of Anionic Surfactants and Detergents		19/10	
154	Technology of Cationic and Amphoteric Surfactants		· HAI	
155	Technology of Elastomers and Additives			
156	Technology of Fats Slitting and Soaps	4	43,	
157	Technology of Fatty Acids and Soaps	A		
158	Technology of Oral, Hair and Skin Care	A TOWN		
	Products	200		
159	Technology of Pigment			
160	Technology of Printing Inks			
161	Theory of Colour and Architectural Coatings			
162	Theory of Corrosion and Marine and			
	Maintenance Coatings			
163	Trade Sale Paint			
164	Transport Phenomena			
165	Treatment and Disposal of Food Industrial			
	Waste			
166	Unit Operation			
167	Waterborne Polymers and Coatings			
168	Workshop Technology			
10	16. Department of Civil Engineering	16	Board of Studies inCivil Engineering	
1	Advance Construction Equipments			
2	Advance Construction Technology			
3	Advance Design of Concrete Structures			
4	Advance RCC Structure			
5	Advanced Concrete Technology			
6	Advanced Structural Design			
7	Advanced Waste Water Treatment			
	Technology			
8	Advanced Water Treatment Technology			
9	Air pollution			

Departments with the Subjects	Sr. No.	Corresponding Board of Studies
16. Department of Civil Engineering	16	Board of Studies inCivil Engineering
Architecture and Town Planning		
Building Construction Techniques and		
Materials		
Building Design and Drawing		
Building Environment and Services		
Concrete Technology		
Construction and Project Management		
Construction Contract Administration and Management		160
Construction Cost and Quality Management		1.0
Construction Cost Dynamics		
Construction Disaster Management		· * * 1
Construction Economics and Finance		
Construction Management	0	(3)
Construction Methods and Equipment	- A 1	
Management	Jan Jan	
Construction Planning, Scheduling and	A 4	
Management		
- 4		
Engineering Mechanics		
Engineering Geology		
Environmental Engineering		
Environmental Engineering Chemistry		
,		
	Architecture and Town Planning Building Construction Techniques and Materials Building Design and Drawing Building Environment and Services Concrete Technology Construction and Project Management Construction Contract Administration and Management Construction Cost and Quality Management Construction Cost Dynamics Construction Disaster Management Construction Management Construction Management Construction Management Construction Methods and Equipment Management Construction Planning, Scheduling and Management Construction Safety Construction Safety and Disaster Management Construction Techniques and Equipments Contracts and Valuation Contracts, Administration and Arbitration Design of Water Supply and Waste Water structure Design Operation and Maintenance of Water Supply and Sewerage System Earthquake Engineering Earthquake Resistance Design of Building Elements of Civil Engineering Elements of Civil Engineering Elements of Civil Engineering Engineering Mechanics Engineering Geology Environment and Energy Management. Environmental Engineering	Architecture and Town Planning Building Construction Techniques and Materials Building Environment and Services Concrete Technology Construction Cost and Quality Management Construction Disaster Management Construction Methods and Equipment Management Construction Methods and Equipment Management Construction Safety Construction Safety Construction Safety and Disaster Management Construction Techniques and Equipments Construction Safety and Disaster Management Construction Safety and Disaster Management Construction Techniques and Equipments Contracts, Administration and Arbitration Design of Water Supply and Waste Water structure Design Operation and Maintenance of Water Supply and Sewerage System Earthquake Engineering Earthquake Resistance Design of Building Elements of Civil Engineering Elements of Civil Engineering Engineering Geology Environment and Energy Management. Environmental Engineering Chemistry

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	16. Department of Civil Engineering	16	Board of Studies inCivil Engineering
40	Environmental Impact Assessment		
41	Environmental Risk Assessment and Hazard		
	Management		
42	Environmental Sanitation		
43	Estimating and Costing		
44	Finite Element Methods		
45	Fluid Mechanics		
46	Geographical Information systems		100
47	Geotechnical Engineering		
48	Geotechniques for Infrastructure.		10
49	Highway Projects Planning, Designing and		
	Economic Evaluation		· * * * * * * * * * * * * * * * * * * *
50	Industrial Pollution and Control		· Cl
51	Industrial Water and Waste Water		
	Management	and A	6
52	Industrial Water Pollution and Control	A SOL	
53	Infrastructural Engineering	A 4	
54	Infrastructure Development		
55	Irrigation Water Distribution Systems		
56	Low Cost Housing		
57	Management and Project Planning in		
	Construction		
58	New Construction Material and Techniques		
59	Numerical Methods in Civil Engineering		
60	Open Channel and Conduit Flow		
61	Operation Research		
62	Ports and Harbour Structures		
63	Probability, Statistics and Optimization		
	Technique		
64	Remote Sensing GIS and Its Environmental		
	Application		
65	Repairs, Rehabilitation, Retrofitting of Structure		
66	Resource Management		
67	Retrofitting and Rehabilitation of Structures		
68	Retrofitting of Structures		
69	Rural Water Supply and Sanitation		
70	Safety Management in Construction		
71	Solid Waste and Management		
72	Strength of Materials		
73	Structural Design		

No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	16. Department of Civil Engineering	16	Board of Studies inCivil Engineering
74	Structural Design and Drawing		
75	Surveying		
76	Sustainable Building Technology		
77	System Approach in Civil Engineering		
78	Theory of Structures		
79	Urban Hydrology and Storm Water		
	Management.		
80	Water Power engineering		100
81	Water Resources Engineering		0/10
82	Watershed Management		10.
83	Work study and Incentive Management		
84	Life Cycle Costing of Infrastructure		· * * * 1

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	17. Department of Architecture	17	Board of Studies inArchitecture
1	Architectural Design		
2	Graphics		
3	Building Technology (Materials &		
	Construction)		
4	Building Services		
5	Climatology		
6	History of Architecture and Human Settlements		190.
7	Quantity Surveying and Estimating		
8	Structure		1.0.
9	Estimating & Specifications		
10	Professional Practice & Building Byelaws		· K / / /
11	Landscape Design		· C/
12	Town Planning & Urban Design	0	
13	Rural Architecture	- A A	
14	Acoustics	10 A	
15	Architectural Conservation		
16	Computer Applications		
17	Interior Design		
18	Housing		
19	Working Drawing		
20	Workshop & Visual Arts, Photography		
21	Surveying and Levelling		
22	Contract Document		
23	Application of Non-conventional Energy in		
	Architecture		
24	Barrier free Architecture		
25	Project and Construction Management		
26	Sustainable Architecture		
27	GIS Applications in Architecture		
28	Industrial Architecture		
29	Traffic and Transportation		
30	Product Design		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	18. Department of Computer Engineering and Information Technology	18	Board of Studies inComputerEngineering and Information Technology
1	Advanced Computer Architecture		
2	Advanced Computer Network		
3	Advanced Database Management Systems		
4	Advanced Software Engineering		
5	Advanced Unix Programming		
6	Analog and Digital Electronics		
7	Analog Electronics		100
8	Analysis and Design of Algorithms		13/10
9	Android Programming		
10	Android Programming		1/24.
11	Applied Algorithms		
12	Artificial Intelligence		1,2,
13	Artificial Intelligence and Expert System	~ (
14	Artificial Intelligence and Neural Network	Sec. B.	
15	Bio-Informatics	A B	
16	Cloud Computing		
17	Compiler Construction		
18	Computer Graphics		
19	Computer Graphics and Multimedia		
20	Computer Network		
21	Computer Organization		
22	Computer Programming		
23	Cryptography and Network Security		
24	Cryptography and Network Security		
25	Data Communication		
26	Data Structures		
27	Data Warehousing and Mining		
28	Database Management System		
29	Digital Image and Video Processing		
30	Digital System and Microprocessor		
31	Digital System Design	1	
32	Discrete Structure and Graph Theory		
33	Distributed System	1	
34	Distributed System		
35	E-Commerce		
36	Embedded Software Design		
37	Embedded Systems	-	

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	18. Department of Computer Engineering and Information Technology	18	Board of Studies inComputerEngineering and Information Technology
38	Enterprise Resource Planning		
39	Enterprise Resource Planning and SAP		
40	Formal Language and Automata Theory		
41	Fuzzy Logic and Neural Networks		
42	Human Computer Interaction		
43	Image Processing		
44	Information Retrieval		100
45	Information Theory		12/0
46	Internet Security		
47	iPhone Programming		1/2/1
48	Java Programming		
49	Linux		1,2,
50	Management Information System	2	
51	Mathematical Foundations of Computer Science	See J	
52	Microprocessor	A STATE OF THE STA	
53	Microprocessor and Microcontroller		
54	Microprocessor and Microcontroller Interfacing		
55	Mobile Computing		
56	Mobile Computing		
57	Mobile Network		
58	Mobile Network		
59	Multimedia Techniques		
60	Net-Centric Computing		
61	Neural Network and Fuzzy Logic		
62	Neural Network and Fuzzy Logic		
63	Object Oriented Modelling and Design		
64	Object Oriented Modelling and Design		
65	Object Oriented Technology		
66	Operating System		
67	Operational Research		
68	Parallel Computing		
69	Pattern Recognition	1	
70	Principles of Management		
71	Programming Paradigm and Methodology		
72	Real Time System	1	
73	Soft Computing	1	
74	Software Engineering	1	

No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
l	18. Department of Computer Engineering and Information Technology	18	Board of Studies inComputerEngineering and Information Technology
75	Software Engineering and Project		3,
	Management		
76	Software Metrics and Quality Assurance		
77	Software Project Management		
78	Software Testing and Quality Assurance		
	System Programming		
80	Web Design		100
81	Web Engineering		12/10
82	Web Programming		.) 0.
	" Halagaria		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	19. Department of Electronics and Telecommunication and Industrial Electronics Engineering	19	Board of Studies inElectronics and Telecommunication and Industrial Electronics Engineering
1	Advance Power Electronics		
2	Advanced Communication System		
3	Advanced Computer Network		
4	Advanced Digital Communication		
5	Advanced Digital Image Processing		
6	Advanced Digital Signal Processing		
7	Advanced Embedded System Design		100
8	Advanced Instrumentation System		12/10
9	Advanced Light Wave Communication		
10	Advanced Telecomm Network Management		. 44/1
11	Advanced VLSI Design		
12	Advanced Digital Signal Processing and		(2)
	Processors		
13	Analog Integrated Circuits and Applications	A STATE OF THE STA	
14	Analog VLSI Design	The state of the s	
15	Antenna and Wave Propagation	-	
16	Antenna Theory		
17	Antenna Theory and Design		
18	Artificial Intelligence		
19	Artificial Intelligence and Neural Network		
20	Artificial Intelligence and Soft Computing		
21	Artificial Neural Networks and Fuzzy Systems		
22	Automotive Electronics		
23	Biomedical Engineering		
24	Biomedical Engineering Systems		
25	Biomedical Instrumentation		
26	Biomedical Signal Processing		
27	Broadband Communication	1	
28	Communication System	1	
29	Communication System Design	1	
30	Component Devices and Instrumentation Technology		
31	Computer Architecture		
32	Computer Communication Network		
33	Computer Networks	1	
34	Computer Networks and Management		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	19. Department of Electronics and Telecommunication and Industrial Electronics Engineering	19	Board of Studies inElectronics and Telecommunication and Industrial Electronics Engineering
35	Control System Techniques	Ì	
36	Data Communication and Design		
37	Digital Communication Systems		
38	Digital Image Processing		
39	Digital Integrated Circuits and System		
40	Digital Signal Processing		
41	Digital Signal Processing and Image Processing		100
42	Digital System Design		1210
43	Digital Techniques and Applications		
44	Digital VLSI Design		144
45	Electrical Circuits and Machines		
46	Electromagnetic Engineering		12,
47	Electromagnetic Interference and Compatibility		
48	Electronic Circuit Design	A STATE OF THE STA	,
49	Electronic Instrumentation		
50	Electronic Measurement		
51	Electronic Measurement Techniques		
52	Electronics Circuit Design		
53	Electronics Materials and Components		
54	Elements of Electronics Engineering		
55	Embedded Networking and Wireless Sensor Network		
56	Embedded System		
57	Embedded System Design		
58	Error Control Codes		
59	Feedback Control System		
60	Fibber Optic Communication		
61	FPGA Based System Design		
62	Image and Video Processing		
63	Image Processing		
64	Image Processing and Pattern Recognition		
65	Industrial Automation		
66	Industrial Economics and Telecom Regulation		
67	Information Theory and Coding Technology		
68	Light Wave communication		
69	Linear Integrated circuits		
70	Linear Systems Theory		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	19. Department of Electronics and Telecommunication and Industrial Electronics Engineering	19	Board of Studies inElectronics and Telecommunication and Industrial Electronics Engineering
71	Management Science		
72	Mechatronics		
	Microcontroller and Peripheral Interface		
73	Controller		
74	Microcontroller Systems		
75	Microelectronic Circuit Design		
76	Microelectronics		100
77	Microprocessors		
78	Microprocessors and Microcontroller System		
79	Mobile Communication		164.
80	Modelling and Simulation		
81	Modelling and Simulation Techniques		(2)
82	Multimedia Communication	28	
83	Multimedia Systems	0	
84	Nano Electronics	The state of the s	
85	Nanotech and Nanotechnology		
86	Nanotechnology		
87	Network Analysis and Synthesis		
88	Network and Lines		
89	Network System and Filter Design		
90	Neural Network and Fuzzy Logic		
91	Neural Network and Fuzzy System		
92	Object Oriented Programming		
93	Operating System		
94	Optimization Techniques		
95	Parallel Computing		
96	Pattern Recognition and Classification		
97	Power Electronics		
98	Process Control System		
99	Process Instrumentation		
100	Radiation and Microwave Techniques		
101	Random Processes]	
102	Real Time Operating System	1	
103	RF Circuit Design]	
104	Robotics]	
105	Satellite and Mobile Communication]	

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	19. Department of Electronics and Telecommunication and Industrial Electronics Engineering	19	Board of Studies inElectronics and Telecommunication and Industrial Electronics Engineering
106	Satellite Communication		5 5
107	Signal Processing and Application		
108	Solid State Devices and Circuits		
109	Speech and Audio Processing		
110	System Programming		
111	Telecomm Network Management		
112	Telecommunication Network Management		1.910
113	Telematics		
114	Television and Consumer Electronics		1640
115	Transducers and Measurement Techniques.		
116	VLSI Design	4	13.
117	VLSI Testing and Verification	A 8	
118	Wireless and Mobile Communication	J. 2013	
119	Wireless communication	100	
120	Wireless communication System		
	HIN MANAGE SHIP		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	20. Department of Electrical and	20	Board of Studies in Electricaland
	Instrumentation Engineering		Instrumentation Engineering
1	A C Circuit and Transformer		
2	Advance Microprocessor		
3	Agricultural Instrumentation		
4	Analog and Digital Electronics		
5	Analog Circuits and Analysis		
6	Analytical Instrumentation		
7	Applied Thermodynamics	1	140
8	Artificial Intelligence		
9	Automatic Control Systems		/.0.
10	Automotive Instrumentation		
11	Biomedical Instrumentation		· K / / /
12	Communication Engineering and Telemetry		· Cly
13	Computational Methods and Programming		
14	Computer Aided Power System Analysis	· 0 9 4	6
15	Computer Network	J. 201	
16	Computer Networking	A 4	
17	Control System		
18	Control System Components		
19	Data Communication and Telemetry		
20	Digital Circuits Design		
21	Digital Control System		
22	Digital Signal Processing		
23	Digital Image Processing.		
24	Distributed Control System		
25	Discrete Control System and MATLAB		
26	Electric Traction Engineering		
27	Electrical Engineering Materials		
28	Electrical Installation Estimation and		
1	Distribution		
29	Electrical Machine Design		
30	Electrical Machine		
31	Electrical Machines and Networks		
32	Electrical Measurement		
33	Electromagnetic Engineering		
34	Electromechanical Energy Conversion.	1	
35	Electronic Instrumentation		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	20. Department of Electrical and	20	Board of Studies in Electricaland
26	Instrumentation Engineering	_	Instrumentation Engineering
36	Elements of Electrical Engineering		
37	Elements of Electrical and Electronics		
20	Engineering Embadded System		
38	Embedded System	-	
39	Embedded System Design		
40	Energy Audit and Conservation	4	
41	Extra High Voltage Transmission	_	(6)
42	Environmental Instrumentation		
43	Fibber Optics and Laser Instrumentation		10,0
44	Flexible A C Transmission		
45	Flexible AC Transmission System and Power		164.
	Quality		
46	Generation Planning and Load Dispatch		(2)
47	High Voltage Engineering	1	
48	High Voltage Transmission	A SOL	
49	Image Processing	A TO THE REAL PROPERTY OF THE PERTY OF THE P	
50	Industrial Automation		
51	Industrial Drives and Control		
52	Industrial Electrical Engineering		
53	Instrumentation for Agriculture, Food and		
	Pharmaceutical Industry		
54	Instrumentation in Unit Operation		
55	Instrumentation System design		
56	Linear Techniques		
57	Measurement Fundamentals		
58	Metrology and machine Tools	1	
59	Microcontroller and Application		
60	Microprocessor and Microcontroller		
61	Microprocessor Techniques		
62	Modelling And Simulation	1	
63	Nano Instrumentation		
64	Network Analysis	1	
65	Neural and Fuzzy Logic	1	
66	Neural network and Fuzzy Logic	1	
00	Instrumentation		
67	Numerical Techniques	1	
68	Optimal and Adaptive Control	1	
	Optimization Techniques	1	
69	Power Electronics	-	
70	rower electronics		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	20. Department of Electrical and	20	Board of Studies in Electricaland
	Instrumentation Engineering		Instrumentation Engineering
71	Power Plant Engineering		
72	Power Plant instrumentation		
73	Power System		
74	Power System Design Practice		
75	Power System Dynamics		
76	Power System Operation And Control		
77	Power System Stability	1	14.0
78	Process Instrumentation		
79	Process Planning Estimation and Economics		/.0
80	Programmable Logic Controller and Distributed Control System		
81	Renewable Energy Sources		
82	Robotics And Automation		191
83	Sensors and Transducers	0	
84	Signals and System	Con D	
85	Soft Computing	A STATE OF THE PARTY OF THE PAR	,
86	Switchgear and Protection		
87	Thermal and Fluid Power Engineering		
88	Unit Operation		
89	Virtual Instrumentation		
90	Virtual Instrumentation and LABVIEW	-	
91	Advanced Power System Protection		
92	Artificial Intelligence and its Applications in		
3_	Power Systems		
93	Computer Methods in Power System		
	Analysis		
94	EHV Transmission Systems		
95	FACTS and Power Quality		
96	High Voltage Power Transmission		
97	Power Electronics Applications in Power		
	Systems		
98	Power Sector Economics, Management and		
	Restructuring		
99	Power System Design		
100	Power System Modelling and Control		
101	Power System Optimization Techniques		
102	Power System Planning and Reliability		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	21. Department ofMechanical, Production and Automobile Engineering	21	Board of Studies inMechanical, Production and Automobile Engineering
1	Advanced Air Conditioning		
2	Advanced Engine Technology		
3	Advanced Fluid Mechanics		
4	Advanced Heat Transfer		
5	Advanced Machine Design		
6	Advanced Manufacturing and Forming Processes		1480,
7	Advanced Mechanical Engineering Design of Equipment		18/6
8	Advanced Refrigeration		
9	Advanced Robotics		16%
10	Advanced Thermodynamics and Gas Dynamics		16/1
11	Advanced Tool and Die Design	1	
12	Advanced Welding Technology	A Park	
13	Alternate Energy Sources	1	
14	Analysis and Synthesis of Mechanism		
15	Applied Thermodynamics		
16	Automobile Design		
17	Automobile Dynamics		
18	Automobile Electrical Systems		
19	Automobile Engineering		
20	Automobile Engines		
21	Automobile Painting and Collision Repairs		
22	Automobile Services and Repairs		
23	Automobile System Design		
24	Automobile Systems		
25	Automotive Design		
26	Automotive Materials		
27	Autotronics		
28	Basic Electrical Drives and Controls		
29	CAD-CAM and Automation		
30	Computational Fluid Dynamics		
31	Computer Aided Design		
32	Computer Aided Design and Computer		
	Aided Manufacturing		
33	Computer Aided Engineering		
34	Computer Aided Manufacturing		
35	Computer Methods in Mechanical Design		

Sr. No.	College Departments with the Subjects covered under the respective Departments	Sr. No.	Corresponding Board of Studies
	21. Department ofMechanical, Production and Automobile Engineering	21	Board of Studies inMechanical, Production and Automobile Engineering
36	Convective Heat Transfer Analysis		
37	Cost and Cost Control		
38	Database Management		
39	Design and synthesis of Mechanism		
40	Design for Manufacture and Assembly		
41	Design of Experiments and Analysis		60
42	Design of Heat Exchanger		
43	Design of Machine Element		1,0,10
44	Design of Material Handling Equipment		
45	Design of Pressure Vessel		· * * 1
46	Design of Pumps and Compressors		· Cly
47	Electrical Machines and Industrial		
	Electronics	A	6
48	Energy Conservation and Management	Jan	
49	Energy Engineering	A 4	
50	Energy Resources and Technology		
51	Engineering Drawing and Elements of		
	Mechanical Engineering		
52	Engineering Mechanics		
53	Engineering Metallurgy		
54	Engineering Thermodynamics	1	
55	Equipment Design For Thermal Systems		
56	Finite Element Analysis	1	
57	Finite Element Analysis and Simulation		
	Techniques	_	
58	Fluid Machinery	_	
59	Fluid Mechanics	1	
60	Gas Turbine and Jet Propulsion	1	
61	Heat Transfer	1	
62	Industrial Engineering	1	
63	Industrial Engineering and Safety Industrial Fluid Power	-	
64		-	
65	Industrial Hydraulics And Pneumatics	-	
66	Instrumentation and Automatic Control System		
67	Internal Combustion Engines	1	
	-	-	
68	Introduction to Computing		

Sr. No.	College Departments with the Subjects covered under the respective Departments	Sr. No.	Corresponding Board of Studies
	21. Department ofMechanical, Production and Automobile	21	Board of Studies inMechanical, Production and Automobile Engineering
	Engineering		
69	Introduction to Robotics		
70	Mechatronic Product Design		
71	Machine Design		
72	Machine Drawing and Computer Graphics		
73	Machine Tool Design		
74	Machine Tools and Product Design		100
75	Manufacturing Engineering		
76	Manufacturing Science		10,0
77	Material Handling Systems		
78	Material Science		164
79	Material Science and Metallurgy		
80	Measurement Techniques And Data Analysis		(3)
81	Mechanical Design Analysis	A A	
82	Mechanical Measurement and Metrology	Second Second	
83	Mechanical Vibration	A 4	
84	Mechatronics Systems		
85	Metrology and Quality Control		
86	Noise Vibration and Harshness in Automobiles	•	
87	Non Conventional Power Plant		
88	Non-Conventional Energy System		
89	Numerical Analysis and Computational		
	Method		
90	Numerical Control and Machine Tool Robotics		
91	Numerical Methods in Thermal and Fluid		
	engineering		
92	Operation Research		
93	Operation Research Techniques		
94	Optimization Techniques	1	
95	Optimization Techniques in Design	1	
96	Personal Management and Industrial	1	
	Relations		
97	Power Plant Engineering]	
98	Process Equipment Design	1	
99	Procurement and Inventory Control	1	
100	Product Development and Rapid	1	
	Prototyping		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	21. Department ofMechanical, Production and Automobile Engineering	21	Board of Studies inMechanical, Production and Automobile Engineering
101	Production Management		
102	Production Planning and Control		
103	Project and Business Management		
104	Refrigeration and Air Conditioning		
105	Research Methodology		
106	Robotics		
107	Solar Energy Technology		160
108	Special Purpose Vehicles		19/10
109	Strength of Materials		
110	System Dynamics and Simulation		1 1/4.
111	Theory of Elasticity and Plasticity		
112	Theory of Machines	40	(2)
113	Thermal Equipment Design	1	
114	Tool Engineering	1	
115	Transport Management and Motor Industry	100	
116	Transport Management and Safety		
	Regulations		
117	Tribology		
118	Turbomachinery		
119	Vehicle Body Engineering		
120	Vehicle Testing and Evaluation		
121	Vibration Engineering		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	22. Department of Pharmaceutics	22	Board of Studies in Pharmaceutics
1	Dispensing Pharmacy		
2	Unit Operations		
3	Physical Pharmacy		
4	Communication Skills and Soft Skills		
	Development		
5	Pharmaceutical Microbiology		
6	Hospital Pharmacy		.00
7	Pharmaceutical Technology		100
8	Bio-Pharmaceutics and Pharmacokinetics		
9	Pharmaceutical Jurisprudence and Ethics		
10	Pharmaceutical Technology		
11	Pharmaceutical Industrial Management		
12	Pharmaceutics		3612
13	Pharma Marketing	. (
14	Quality Assurance	100	\bigcirc
15	Bioavailability and TDM	A A	
16	Cosmeceutics		
17	Packaging Technology		
	23. Department of Pharmaceutical	23	Board of Studies inPharmaceutical
	Chemistry		Chemistry
1	Inorganic Pharmaceutical Chemistry		
2	Inorganic and Physical Chemistry		
3	Organic Chemistry		
4	Biochemistry		
5	Medicinal Chemistry		
6	Pharmaceutical Analysis		
7	Drug design and lead Identification		
	24. Department of Pharmacognosy	24	Board of Studies inPharmacognosy
1	Pharmacognosy		
2	Environmental Science		
3	Chemistry of Natural Products		
4	Pharmaceutical Biotechnology		
5	Medicinal Plant Biotechnology		
6	Plant Biotechnology		

No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	25. Department of Pharmacology	25	Board of Studies inPharmacology
1	Applied Biostatistics and Computer		
	Applications in Pharmacy		
2	Anatomy, Physiology and Health Education		
3	Industrial Psychology		
4	Pathophysiology of Common Diseases		
5	Pharmacology		
6	Clinical Pharmacy and Drug Interaction		
	26. Department of Cosmetics	26	Board of Studies inCosmetics
1	Cosmetics		
	27. Department of Public Health	27	Board of Studies inPublic Health Science
	Science		
1	Public Health Science		· K / /
	28. Department of Physiotherapy	28	Board of Studies inPhysiotherapy
1	Physiotherapy		
	29. Department of Nursing	29	Board of Studies inNursing
1	Nursing	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	30. Department of Health Care	30	Board of Studies inHealth Care
1	Health Care		
	Still or		

2. Faculty of Commerce and Management:-

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	1. Department of Accountancy and	1	Board of Studies in Accountancy and
	Costing		Costing
1	Financial and Cost Accounting		
2	Advanced Cost and Management		
	Accounting		de
3	Principles of Accounting		
4	Cost Control and Cost Reduction		
5	Business Accounting		160
6	Management Accounting		
7	Auditing Practices		10,0
8	Cost and Management Accountancy		
9	Corporate Accounting and Costing		1 LX.
10	Advanced Accountancy		
11	Corporate Accounting	4	(2)
12	Cost Accounting	2	
13	Advanced Accounting	A SOL	
14	Income Tax	A TOP OF THE PERSON NAMED IN COLUMN TO PERSO	
15	Auditing and Information System Audit		
16	Financial Accounting and Costing		
17	Financial Accounting		
18	Corporate Accountancy		
19	Principles & Practices of Auditing		
20	Advanced Cost Accountancy		
21	Management Accounting and Financial		
	Management		
22	Financial Management and Decision Making		
23	Principles and Practices of Auditing		
24	Direct and Indirect Tax		
25	Auditing		
26	Auditing and ISA		
27	Business Accounting and Financial		
	Management		
28	Security Analysis and Portfolio Management		
29	Corporate Laws and Income Tax Laws	1	
30	Income Tax Law	1	
31	Financial Services and Instrument	1	
32	Financial Analysis and Business Journalism	1	
33	Introduction to Information System Audit	1	
34	International Financial Management	1	
35	International Finance	1	
		I	

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	2. Department of Commerce and Business Laws	2	Board of Studies inCommerce and Business Laws
1	Corporate Law		
2	Business Ethics and Mind Management		
3	Current Business Scenario	ļ	
4	Industrial Safety Management		
5	Co-operative Laws and Micro Finance		
6	Business Law		
7	Company Law		
8	Stock and Commodity Market		
9	Mercantile Laws		10,7
10	Production and Material Management		
11	Industrial Relation		· * * 1
12	Production Management		
13	Business Research Methods	4	13.
14	Corporate Social Responsibility	A 4	
15	e-Commerce and Excellence Management	Jan	
16	Indian Commercial Laws	100	
17	Industrial Relations and Trade Unions		
18	Industrial Compliance Framework		
19	Consumer Protection and Business Ethics		
20	Foundation Course for Managers		
21	Business Communication		
22	Business Enterprises		
23	International Business		
24	Corporate Governance		
25	Entrepreneurship Development		
26	Corporate Communication Skills		
27	Legal Aspects of Business		
28	Social Security and Welfare Legislations		
29	Labour Legislations		
30	Public Relations		
31	Research Methodology in Commerce and		
	Management		
32	Research Methodology		
33	Labour Welfare and Administration		
34	Professional Communication		
35	Entrepreneurship and Project Management		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	2. Department of Commerce and Business Laws	2	Board of Studies inCommerce and Business Laws
36	Indian Financial System		
37	Foreign Trade		
38	Soft Skills Development		
39	Advance Research Method		
40	Ethical Practices in Business		
41	Direct Tax Law and Practices		
42	Industrial Legislation and Labour Laws		100
43	Operation Research		
44	Principles and Practices of Insurance		10,0
45	Business and Tax Law		
46	Business Entrepreneurship		· * * 1
47	Corporate Regulatory and Framework		
48	Income Tax and Competitive Skills	0	
49	Entrepreneurship	A A	
50	Legal Aspects of Business	4 40	
51	Direct Tax Laws and Business Laws	1	
52	Competitive Skills		
53	Business and Mercantile Law		
54	Competitive Business Skills		
55	Social Security and Welfare Regulations		
56	Case Study in Industrial Relations		
57	Laws Relating to Industrial Relations		
58	Professional Communication Skills		
59	Communication Skills and Auditing		
60	Corporate Laws and Income Tax		
61	Business Research Methods		
62	Industrial Counselling		
63	Industrial Psychology and Sociology		
64	Rural Development		
65	Business Ethics and Professional Values		
66	Banking and Insurance		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	3. Department of Business Administration	3	Board of Studies inBusiness Administration
1	HR Administration and Labour Welfare		
2	Organizational Behaviour		
3	Quality Control and Application		
4	Business Plan		
5	Modern Retail Management		
6	Marketing and Advertising		
7	Marketing Management		
8	Business Administration		
9	Retail Management		10,0
10	Supply Chain Management		
11	Sales and Distribution Management		· * * * 1
12	Marketing Strategic and Competitive		-6/
	Positioning		
13	Retail Marketing		()
14	Agriculture Marketing	A 400	
15	Financial Instruments	A 4	
16	Management Principles		
17	Logistics and Supply Chain Management		
18	Financial Management		
19	International Marketing and Export		
	Promotion	_	
20	Import Export Management		
21	Labour Welfare and Administration		
22	Principles of Marketing	_	
23	Marketing Research Consumer Behaviour	_	
24	Marketing and Retail Management		
25	Global Marketing Management		
26	Distribution and Logistic Management		
27	International Logistic and Supply Chain		
30	Management	1	
28	Distribution and Retail Management	1	
29	Advertisement and Sales Promotion	4	
30	Promotion and Brand Management	1	
31	Service Marketing	1	
32	Office Management	1	
33	Promotion Management		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	4. Department of Business Economics and Banking	4	Board of Studies inBusiness Economics and Banking
1	Principles and Practices of Banking		
2	Business Economics		
3	Macro-Economics		
4	Global Economic Scenario		
5	Indian Economic Scenario		
6	Advanced Banking		
7	Economics of Industries		100
8	Micro-Economics		
9	Managerial Economics		
10	Modern Banking and Financial System		
11	Labour Economics		
12	Indian Economy		18/
13	Economics of Global Trade and Finance	. (
14	Industrial Economics	les o	
15	International Economic Scenario	A STATE OF THE PARTY OF THE PAR	•
16	Fundamentals of Banking and Insurance	1	
17	Principles of Economics		
18	Banking and Finance Management		
19	Labour Economics and International HRM		
20	Agriculture Economics		
21	Global Economics		
22	Indian Economics		
23	Basic Economics Concepts		
24	New Trends and Development in Agri Sector		
25	Agro Business		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
110.	5. Department of Management Studies	5	Board of Studies inManagement Studies
1	Human Resource Management		
2	International Business Management		
3	Global Management Practices		
4	Personnel Management		
5	Innovation Management		
6	Strategic Management		
7	Event and Hospitality Management		
8	Modern Management Principles		160
9	Modern Management Techniques		13/10
10	Modern Management Practices		
11	Personal Administration and Management		1/2/1
12	Strategic Financial Management		
13	Modern HR Practices and OD		(2)
14	HR in Services Management		
15	Strategic Technology Management	and the	
16	Total Quality Management	1	
17	Strategic Sourcing for Operations		
18	International Marketing Management	_	
19	International Strategic Management		
20	International Services and Quality		
	Management		
21	Agro Business Management		
22	Management of Agriculture and Allied		
	Sciences		
23	Management of Agri-Business Projects		
24	Case Studies in Strategic Management	_	
25	Family Business Management		
26	Hospitality Management		
27	Case Studies in Management and		
	Managerial Decision Making		
28	Advanced Human Resource Management	1	
29	HRM Practices	1	
30	Case Study in PM	_	
31	Operations Management		
32	Introduction to ERP and SAP		
33	Labour Costing and Compensation		
	Management		
34	Career Management and Counselling		
35	Operations and Material Management		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies	
	5. Department of Management Studies	5	5 Board of Studies inManagement Studies	
36	Integrated Material Management			
37	Inventory Management and Requirement			
	Planning			
38	Production and Operations Management			
39	Business Management			
40	Principles of Management			
41	Financial Management			
42	Principles and Practices Management		160.	
43	Strategic Human Resource Management		12/10	
44	Management Principle and Personnel			
	Management			
45	Invest Management			
46	Management Information System		19,	
47	Management Information System and ERP			
48	Modern Office Management	and the		
49	Enterprise Resource Planning			
50	Management Science			
	6. Department of Computer Management	6	Board of Studies inComputer Management	
1	Internet and Web Design			
2	Server Side Scripting using PHP			
3	Advanced Excel			
4	Quantitative Techniques			
5	Programming in C++			
6	Fundamentals of Computer and Internet			
7	Cyber Laws and Security			
8	Database Management			
9	System Analysis and Design			
10	RDBMS using Oracle and D2K			
11	RDBMS	1		
12	Java Programming Languages			
13	Information System for Business	1		
14	Introduction to Information System Audit			
15	CASE Tool with MS VISIO			
16	MSOFFICE 2007, Word, Excel, Power Point	1		
17	e-Services Applications	1		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	6. Department of Computer	6	Board of Studies inComputer Management
	Management		
18	Management Information System		
19	Computer Fundamentals and Office		
	Automation	_	
20	Tally ERP		
21	Tally, MS-ACCESS and e-Commerce		
22	Business Statistics		
23	Business Statistics and Operation Research		100
24	Business Mathematics		
25	Internet and Application		10
26	Web Designing Using HTML		
27	Internet and HTML		
28	e-Commerce		191
29	Mathematics and Statistics for Manager	. (
30	MS-Office, Internet	Jes o	
31	C# .Net		
32	e-Business and e-Governance		
33	Computing Management		
34	ASP.NET		
35	Computer Application		
36	Data Structure		
37	Computer Animation Using Flash		
38	Introduction to e-Commerce		
39	Information Technology for Managers		
40	Cyber Crime and Security Law		
41	ICT in Taxation		
42	Internet Programming with ASP .NET		
43	Linux Operating System		
44	MIS and ERP		
45	ERP		
46	Cyber Crime and Security	1	
47	Management Information System and e-	1	
	Commerce		
48	Database Management System	1	
49	Software Engineering	1	
50	Oracle and Visual Basic	1	
51	Internet Technology	1	

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	6. Department of Computer	6	Board of Studies inComputer Management
	Management		
	Software Project Management and		
	Information System Audit		
	Systems Management		
	Information Technology and Systems		
	Management		
	Database Administration with Oracle and D2K		
	Scripting Languages		140
	Commerce and Web Site Management		
	Data Mining and Data Warehousing		/.0
	VB.NET		3
			· 1/ 1/ 1
	Database Administration and Security		·CIA
	Advanced Graphics and Animation	-	13.
	ICT Fundamental and Operating Systems	A 8	
	Object Oriented Programming using C++	J. 40	
	Web Designing and Web Tools	A 4	
	RDBMS with MS - SQL Server		
	Programming Concept using C++		
	Graphics and Animation		
	Cyber Crime and Security		
	Java Programming		
	Computer Fundamental and Application		
71	Human Resource Information Systems and ERP		
	Introduction to Internet and Web		
	Technologies		
	Web Designing using HTML		
	Programing In VB.NET		
4000	Oracle and D2K		
10 10	Computer Awareness		
77	Internet and Web Services		
	Software Testing		
79	MS-Access and VB 6.0		
80	e-Commerce and Internet Services		
81	Computer Animation		
82	Fundamentals of Computer and Internet		
83	Introducing to Programming using C++		
84	MS Access and Visual Basic 6.0		
85	Information System and Introduction to BPO		
86	Essentials of e-Commerce		
81 82 83 84 85	Computer Animation Fundamentals of Computer and Internet Introducing to Programming using C++ MS Access and Visual Basic 6.0 Information System and Introduction to BPO		

3. Faculty of Humanities:-

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	1. Department of Marathi	1	Board of Studies inMarathi
1	Marathi		
	2. Department of Hindi	2	Board of Studiesin Hindi
1	Hindi		
	3. Department of English	3	Board of Studiesin English
1	English		
	4. Department of Ancient Indian Languages	4	Board of Studiesin Ancient Indian Languages
1	Sanskrit	-	
2	Pali		1.910
3	Ardhmagadhi (Prakrit)		, 3
	5. Department of Urdu, Persian and	5	Board of StudiesinUrdu, Persian and Arabic
	Arabic Languages		Languages
1	Urdu		
2	Persian and Arabic Languages	A 4	○ `
	6. Department of History	6	Board of StudiesinHistory
1	History	1000	
2	History of Civilization		
	7. Department of Political Science	7	Board of StudiesinPolitical Science
1	Political Science		
2	Public Administration		
	8. Department of Psychology	8	Board of StudiesinPsychology
1	Psychology		
	9. Department of Yoga Studies	9	Board of StudiesinYoga Studies
1	Yoga Studies		
	10. Department of Defence and	10	Board of StudiesinDefence and Strategic
	Strategic Studies	_	Studies
1	Defence and Strategic Studies		
	11. Department of Economics	11	Board of StudiesinEconomics
1	Economics		
1	12. Department of Philosophy	12	Board of StudiesinPhilosophy
1	Philosophy	1	
2	Logic		
	13. Department of Sociology	13	Board of StudiesinSociology
1	Sociology		
	14. Department of Social Work	14	Board of StudiesinSocial Work
1	Social Work		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	15. Department of Law	15	Board of StudiesinLaw
1	Administrative Law and Right to Information		
2	Alternative Dispute Resolution		
3	Arbitration, Conciliation and ADR Systems		
4	Banking Laws and Negotiable Instruments		
5	Basic of Law, Forensic Science and Crime		
6	Bioterrorism : National and International Scenario		201,
7	Book Keeping and Accountancy		100
8	Business Law		010
9	Civil Procedure Code and Limitation Act		
10	Company Law		1/2
11	Comparative Criminal Procedure		
12	Computer		(5)
13	Constitutional Law		
14	Constitutional Law and New Challenges	Soft of	
15	Criminal Procedure Code	A STATE OF THE PARTY OF THE PAR	
16	Criminal Procedure code, Juvenile Justice Act and Probation of Offenders		
17	Criminology		
18	Cyber Space and IPR		
19	Drafting ,Pleading ,Conveyancing		
20	Economics		
21	English (Compulsory)		
22	Environmental Law		
23	Equity & Trust		
24	Family Law		
25	Finance Act 1994 (Service Tax)		
26	Forensic Science and its Application in Crime	1	
1	Investigation		
27	General English		
28	General Law affecting Taxation		
29	General Regime of IPR		
30	Geographical Indications, Layout designs of Integrated Circuits and Protection of Plant Varieties and Farmers' Rights		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	15. Department of Law	15	Board of StudiesinLaw
31	History		
32	History of Courts, Legislature and Legal		
	profession		
33	Human Rights		
34	Human Rights and International Law		
35	Income Tax Act 1961 with Relevant Rules		
36	Industrial Relations		300
37	Insurance Law		100
38	Interpretation os Statues & Legislative Principles		1910
39	Judicial Process (Jurisprudence)		
40	Jurisprudence		
41	Juvenile Delinquency		19
42	Labour Laws	. (
43	Land Laws	for o	
44	Land Laws including Ceiling and any other Local Laws Tenancy Laws and Land Laws		
45	Law and Medical Profession		
46	Law and Social Transformation in India		
47	Law of Contract		
48	Law of Crimes		
49	Law of Evidence		
50	Law of Import Export Regulation		
51	Law of Medicine		
52	Law of Torts		
53	Law of Torts including MV Accident and		
	Consumer Protection Act		
54	Law of Trust		
55	Law of Wages and Principles of Wage		
	Fixation		
56	Legal Education and Research Methodology		
57	Legal Language / Legal Writing Including		
	General English	4	
58	Legal Language including Legal Writing	_	
59	Legal Regulation of Economic Enterprises	1	
60	Legislation Affecting Condition of Work		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	15. Department of Law	15	Board of StudiesinLaw
61	Legislative Principles and Interpretation of		
	Statutes		
62	Logic		
63	Maharashtra Professional Central Sales &		
	Wealth Tax Act		
64	Marathi		
65	Mass Media Law		
66	Medico Legal Aspects		100
67	Medico legal Practice		0/10
68	Ownership and Enforcement of IPR		10.
69	Penology		
70	Penology: Treatment of Offenders		
71	Political Science		191
72	Principles of Taxation	. (
73	Public International Law	Coo D	
74	Public Utilities Law		
75	Recent Advances in Forensic Science and the	-	
	Laws		
76	Social Security Legislation		
77	Sociology		
78	Special Contract]	
79	Taxation Law]	
80	The Maharashtra Value Added Tax Act 2002]	
81	Toxicology	1	
82	Transfer of Property Act		
83	Trust Equity and Fiduciary Relationships		

4. Faculty of Inter-disciplinary Studies:-

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	1. Department of Education	1	Board of Studies inEducation
1	Education in 21 st Century		
2	Teacher Education		
3	Educational Technology		
4	New Trends in Education		
5	Advanced Educational Theory		
6	Fundamental of Educational Theory		
7	Knowledge and Curriculum		100
8	Contemporary India and Education		
9	Language across the Curriculum		
10	Genders, School and Society		
11	Inclusive Education		
12	Curriculum Designing, Adaptation and Evaluation	. (
13	Curriculum, Adaptation and Strategies for Teaching Expanded Curriculum		
14	Philosophy of Education		
15	Sociological Foundation of Education		
16	Deprived and Women Education in India		
17	Elementary and Secondary Education		
18	Curriculum Development and Transaction		
19	Special Education		
20	Higher Education in India		
21	Educational Theories in Global Perspectives		
22	ICT and e-learning		
	2. Department of Educational	2	Board of Studies in Educational Psychology
	Psychology		
1	Learning and Teaching		
2	Learning Teaching and Assessment		
3	Childhood and Growing Up		
4	Human Growth and Development		
5	Assessment and Identification of Needs		
6	Community Based Rehabilitation		
7	Gender and Disability		
8	Guidance and Counselling for Disabled		
9	Psycho Social and Family Issues		
10	Technology and Disability		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	2. Department of Educational	2	Board of Studies in Educational Psychology
	Psychology		
11	Identification of Children with Visual		
	Impairment and Assessment of Needs	-	
12	Educational Guidance and Counselling		
13	Psychology of Development and Learning		
14	Advanced Guidance, Counselling		
15	Learning, Teaching and Childhood		
	Psychology		190
16	MR E1 - E11		
17	VI E1 - E11		/0.
18	Dessertation		3
	3. Department of Administration and Evaluation	3	Board of Studies in Administration and Evaluation
1	Pedagogical Content Knowledge CCM-I,III	d	
	(Marathi, Hindi, English, History, Geography,	94	
	Urdu, Sanskrit, Mathematics, Science)	1	
2	Pedagogical Content Knowledge CCM- II,IV	A TO	
	(Marathi, Hindi, English, History, Geography,		
	Urdu, Sanskrit, Mathematics, Science)		
3	Information Communication and		
4	Technology and e-Learning		
4	Teaching Methodologies		
5	Pedagogy of Teaching (Special Reference to		
6	MR) : Languages		
7	Pedagogy of Teaching Mathematics		
8	Pedagogy of Teaching Science		
	Pedagogy of Teaching Social Studies		
9	Pedagogy of Teaching (Special Reference to VI): Languages		
10	Intervention and Teaching Strategies		
11	Technology and Education of the Visually		
	Impaired		
12	Methodology of Educational Research		
13	Educational Planning and Administration		
14	EPC		
15	Internship Programme		
16	Applied Paper on Internship	1	
17	Final Lesson		
18	Statistical Methods for Data Analysis		
19	Assessment for Learning		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	4. Department of Physical Education	4	Board of Studies in Physical Education
1	Organization and Administration in Physical		
	Education		
2	Officiating and Coaching		
3	Test Measurement and Evaluation in Physical		
	Education		
4	Contemporary Issues in Physical Education,		
	Fitness and Wellness	_	
5	Sports Psychology		100
6	Sports Medicine		
7	Computer Applications in Physical Education		10.
8	Yoga Education		
9	Olympic Movement		
10	Curriculum Design in Physical Education		16/2
11	Health Education and Environmental Studies	. (
12	Sports Medicine, Physiotherapy and	- P 4	
	Rehabilitation	A A STATE OF THE S	
13	Kinesiology and Biomechanics		
14	Research and Statistics in Physical Education		
15	Sports Nutrition and Weight Management		
16	Sports Management		
17	Educational Technology and Methods of		
	Teaching in Physical Education	<u></u>	
18	Anatomy and Physiology		
19	History, Principles and Foundation of		
	Physical Education		
20	Sports Psychology and Sociology		
21	Measurement and Evaluation in Physical		
	Education		
22	Physiology of Exercise	_	
23	Sports Biomechanics and Kinesiology		
24	Sports Journalism and Mass Media		
25	Sports Technology		
26	Information and Communication Technology		
27	(ICT) in Physical Education		
27	Yogic Science		
28	Scientific Principles of Sports Training		
29	Theory of Sports and Games		
30	Sports Management and Curriculum Design		
	in Physical Education		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	4. Department of Physical Education	4	Board of Studies in Physical Education
31	Athletic Care and Rehabilitation	-	
32	Health Education and Sports Nutrition		
33	Sports Engineering		
34	Physical Fitness and Wellness		
35	Research Process in Physical Education and		
	Sports Sciences		
36	Applied Statistics in Physical Education and Sports	-	:11/1/18
37	Value and Environmental Education		
38	Teaching Practice		
39	Dessertation		
40	Ground Practice	-	
41	Internship		
	5. Department ofFine and Performing	5 (Board of Studies in Fine and Performing
	Arts		Arts
1	Music	10 AT	
2	Dancing	-	
3	Dramatics		
4	Drawing and Painting		
5	Sculpture		
6	Applied Art		
7	Printing Art		
8	Print Making	•	
9	Art History		
10	Visual Communication		
	6. Department of Library and	6	Board of Studies in Library and Information Science
	Information Science		
1	Library and Information Science		
	7. Department of Mass	7	Board of Studies in Mass Communication
The The	Communication and Journalism		and Journalism
1	Mass Communication and Journalism		
	8. Department of B.Voc. Agricultural	8	Board of Studies in B.Voc. Agricultural and Natural Resource Management Skill
	and Natural Resource Management Skill		
1	Agricultural and Natural Resource		
	Management Skill		
2	Agriculture	-	
3	Soil and Water Conservation		

Sr. No.	Departments with the Subjects	Sr. No.	Corresponding Board of Studies
	9. Department of B.Voc. Animation	9	Board of Studies in B.Voc. Animation and
	and Web Designing		Web Designing
1	Animation and Web Designing		
2	Software Development		
3	Printing and Publishing		
	10. Department of B.Voc. Beauty	10	Board of Studies in B.Voc. Beauty Therapy
	Therapy		
1	Beauty Therapy		.00
	11. Department of B.Voc. Fashion	11	Board of Studies in B.Voc. Fashion
	Designing		Designing
1	Fashion Designing		
	12. Department of Thoughts	12	Board of Studies in Thoughts
1	Dr. Ambedkar Thought		· * * * * * * * * * * * * * * * * * * *
2	Gandhian Thought		
3	Buddhist Heritage Studies and Tourism		
	13. Department of Skill Development	13	Board of Studies in Skill Development
1	Skill Development :	100	
	Community Education and Vocational	1	
	Courses		
	14. Department of Women's Studies	14	Board of Studies in Women's Studies
1	Women's Studies		
	15. Department of Nanotechnology	15	Board of Studies in Nanotechnology
1	Nanotechnology		