

PARUL UNIVERSITY

R/Notification-1430/2024-25

Office of the Registrar
December 17, 2024

NOTIFICATION

Sub: Minor subjects (Interdisciplinary) offered in new framework of 4 years undergraduate Programmes in the university

Ref: (i) Proceedings of the Eighteenth Meeting of the Governing Body held on December 2, 2024

(ii) Orders of the Provost

PREAMBLE:

In accordance with the National Education Policy 2020, and guidelines given by University Grant Commission (UGC) for Four Year Undergraduate Programme, Director, NEP Cell proposed minor subjects (Interdisciplinary) to be offered in select faculties during the Eighteenth Meeting of the Governing Body held on December 2, 2024 which was approved by the Governing Body. Hence, the Order.

ORDER:

In accordance with the National Education Policy 2020, and guidelines given by University Grant Commission (UGC) for Four Year Undergraduate Programme, the minor subjects (Interdisciplinary) to be offered in select faculties are enclosed in the annexure.

By Order


Registrar

To,

1. Deans of Faculties
2. Principals of Colleges

Copy to,

- 1) Director, NEP Cell
- 2) The Controller of Examinations
- 3) Director (IQAC)
- 4) PUMIS Coordinator

Submitted to,

- 1) The President
- 2) The Provost

ANNEXURE

Name of the Faculty: Faculty of Liberal Arts

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
Psychology	Sociology	1	Introduction to sociology	4	Faculty of Liberal Arts
		2	Gender and Society	4	
		4	Social problems in India	4	
		5	Professional Industrial Studies	4	
		5	Social reforms in India	4	
		6	Sociology of Tribal Society	4	
		7	Society in Indian context: Theories and recent trends	4	
		8	Rural Management	4	
	Journalism and Mass Communication	1	Basics of Photography	4	Faculty of Liberal Arts
		2	Understanding social Media	4	
		4	Fundamentals of Event Management	4	
		5	Creative Writing for Beginners	4	
		5	Art of Short Film Making	4	
		6	Basics of Public Relations	4	
		7	Basics of Advertising	4	
		8	Contemporary Media and Society	4	
	Geography	1	Geographical Insights	4	Faculty of Liberal Arts
		2	Psycho-geography	4	
		4	Weather Patterns	4	
		5	Human Geography Exploration	4	
		5	Conservation and Resource Management	4	
		6	Geographical Information System	4	
		7	Urban Geography: Cities and Urbanization	4	
		8	Global Power and International Relations	4	
	Political Science	1	Introduction to Political Science	4	Faculty of Liberal Arts
		2	Political Sociology	4	
		4	Political Economy	4	
		5	Political Theory	4	
		5	Public Administration	4	

Political Science		6	Developmental Administration	4	
		7	International Relations	4	
		8	Indian Foreign Policy	4	
	Sociology	1	Introduction to sociology	4	Faculty of Liberal Arts
		2	Gender and Society	4	
		4	Social problems in India	4	
		5	Professional Industrial Studies	4	
		5	Social reforms in India	4	
		6	Sociology of Tribal Society	4	
		7	Society in Indian context: Theories and recent trends	4	
		8	Rural Management	4	
	History	1	Ancient Indian History & Culture	4	Faculty of Liberal Arts
		2	Medieval Indian History and Culture	4	
		4	History of British Rule in India	4	
		5	Indian Freedom Struggle Movements	4	
		5	Tourism and History	4	
		6	History Writing in India	4	
		7	Social History of Medicine	4	
		8	Globalisation of Past and Future	4	
	Economics	1	Elements of Economic Theory	4	Faculty of Liberal Arts
		2	Indian Economy	4	
		4	Fundamentals of Economic Growth & Development	4	
		5	Money and Banking	4	
		5	Economics of Social Issues	4	
		6	Agricultural Economics	4	
		7	Public Economics	4	
		8	Industrial Economics	4	
	Geography	1	Geographical Insights	4	Faculty of Liberal Arts
		2	Psycho-geography	4	
		4	Weather Patterns	4	
		5	Human Geography Exploration	4	
		5	Conservation and Resource Management	4	

Journalism and Mass Communication		6	Geographical Information System	4	
		7	Urban Geography: Cities and Urbanization	4	
		8	Global Power and International Relations	4	
	Sociology	1	Introduction to sociology	4	Faculty of Liberal Arts
		2	Gender and Society	4	
		4	Social problems in India	4	
		5	Professional Industrial Studies	4	
		5	Social reforms in India	4	
		6	Sociology of Tribal Society	4	
		7	Society in Indian context: Theories and recent trends	4	
		8	Rural Management	4	
	History	1	Ancient Indian History & Culture	4	Faculty of Liberal Arts
		2	Medieval Indian History and Culture	4	
		4	History of British Rule in India	4	
		5	Indian Freedom Struggle Movements	4	
		5	Tourism and History	4	
		6	History Writing in India	4	
		7	Social History of Medicine	4	
		8	Globalisation of Past and Future	4	
	Economics	1	Elements of Economic Theory	4	Faculty of Liberal Arts
		2	Indian Economy	4	
		4	Fundamentals of Economic Growth & Development	4	
		5	Money and Banking	4	
		5	Economics of Social Issues	4	
		6	Agricultural Economics	4	
		7	Public Economics	4	
		8	Industrial Economics	4	
	Political Science	1	Introduction to Political Science	4	Faculty of Liberal Arts
		2	Political Sociology	4	
		4	Political Economy	4	
		5	Political Theory	4	
		5	Public Administration	4	

		6	Developmental Administration	4	
		7	International Relations	4	
		8	Indian Foreign Policy	4	
	Psychology	1	Psychology-I	4	Faculty of Liberal Arts
		2	Psychology-II	4	
		4	Social Psychology	4	
		5	Industrial Psychology	4	
		5	Mental Health and Well-being	4	
		6	Psychology of Personality	4	
		7	Psychological Disorders	4	
		8	Guidance and Counselling	4	
Economics	Sociology	1	Introduction to sociology	4	Faculty of Liberal Arts
		2	Gender and Society	4	
		4	Social problems in India	4	
		5	Professional Industrial Studies	4	
		5	Social reforms in India	4	
		6	Sociology of Tribal Society	4	
		7	Society in Indian context: Theories and recent trends	4	
		8	Rural Management	4	
	English	1	Content writing for Social Media	4	Faculty of Liberal Arts
		2	Professional Communication	4	
		4	Enhancing LSRW skills	4	
		5	Analyzing Movie and Book Adaptations	4	
		5	Introduction to Linguistics	4	
		6	Dramatics	4	
		7	Reading classics	4	
		8	Technology Assisted Language Learning	4	
	Finance	1	Fundamental of Financial Management	4	Faculty of Management
		2	Banking and insurance	4	
		4	International Finance	4	

		5	Merger and acquisition	4	
		5	Management Financial Service	4	
		6	Strategic financial Services	4	
		7	Risk Management	4	
		8	Security and portfolio management	4	
	Political Science	1	Introduction to Political Science	4	Faculty of Liberal Arts
		2	Political Sociology	4	
		4	Political Economy	4	
		5	Political Theory	4	
		5	Public Administration	4	
		6	Developmental Administration	4	
		7	International Relations	4	
		8	Indian Foreign Policy	4	
	Foreign Trade	1	Basics of Foreign Trade	4	Faculty of Commerce
		2	Foreign Trade Policies & Regulations	4	
		4	Import Export Procedure and Documentation	4	
		5	International Supply Chain Management & Logistics	4	
		5	International Financial Management	4	
		6	Foreign Exchange & Risk Management	4	
		7	International Taxation & Regulations	4	
		8	International Marketing	4	
English	Journalism and Mass Communication	1	Basics of Photography	4	Faculty of Liberal Arts
		2	Understanding social Media	4	
		4	Fundamentals of Event Management	4	
		5	Creative Writing for Beginners	4	
		5	Art of Short Film Making	4	
		6	Basics of Public Relations	4	
		7	Basics of Advertising	4	
		8	Contemporary Media and Society	4	

	History	1	Ancient Indian History & Culture	4	Faculty of Liberal Arts
		2	Medieval Indian History and Culture	4	
		4	History of British Rule in India	4	
		5	Indian Freedom Struggle Movements	4	
		5	Tourism and History	4	
		6	History Writing in India	4	
		7	Social History of Medicine	4	
		8	Globalisation of Past and Future	4	
	Geography	1	Geographical Insights	4	Faculty of Liberal Arts
		2	Psycho-geography	4	
		4	Weather Patterns	4	
		5	Human Geography Exploration	4	
		5	Conservation and Resource Management	4	
		6	Geographical Information System	4	
		7	Urban Geography: Cities and Urbanization	4	
		8	Global Power and International Relations	4	
	Political Science	1	Introduction to Political Science	4	Faculty of Liberal Arts
		2	Political Sociology	4	
		4	Political Economy	4	
		5	Political Theory	4	
		5	Public Administration	4	
		6	Developmental Administration	4	
		7	International Relations	4	
		8	Indian Foreign Policy	4	
	Psychology	1	Psychology-I	4	Faculty of Liberal Arts
		2	Psychology-II		
		4	Social Psychology		
		5	Industrial Psychology		
		5	Mental Health and Well-being		
		6	Psychology of Personality		

		7	Psychological Disorders		
		8	Guidance and Counselling		

Name of the Faculty: Faculty of Management

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
BBA	Data Analytics	1	Introduction to Data Analytics	4	Faculty of Management
		2	Statistics	4	
		4	Data Mining	4	
		5	Fundamentals to Big Data Analytics	4	
		5	Data Ethics and Privacy	4	
		6	Data Visualization	4	
		7	Data Science in Business	4	
		8	Data Governance and Quality	4	
	Psychology	1	Psychology-I	4	Faculty of Liberal Arts
		2	Psychology-II	4	
		4	Social Psychology	4	
		5	Industrial Psychology	4	
		5	Mental Health and Well-being	4	
		6	Psychology of Personality	4	
		7	Psychological Disorders	4	
		8	Guidance and Counselling	4	
	Logistic Management	1	Fundamentals of marketing	4	Faculty of Management

		2	Supply Chain Management	4	
		4	Inventory and material Management	4	
		5	warehouse Management	4	
		5	Global Logistics.	4	
		6	Global Management.	4	
		7	Lean Six Sigma	4	
		8	Information System in Logistics	4	
	Digital Marketing	1	Marketing Management	4	Faculty of Management
		2	fundamentals of digital marketing	4	
		4	Brand Management	4	
		5	Social media promotion and marketing	4	
		5	Email marketing and campaigns	4	
		6	Content Marketing and creation	4	
		7	Social media analytics	4	
		8	Influencer marketing and collaborations	4	

Name of the Faculty: Faculty of Commerce

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
Commerce	Economics	1	Indian Economy & Planning	4	Faculty of Commerce
		2	Development Economics	4	
		4	Financial Economics	4	
		5	Financial Services & Market	4	

		5	Public Economics	4	Faculty of Commerce
		6	Environmental Economics	4	
		7	International Economics	4	
		8	Econometrics	4	
	Foreign Trade	1	Basics of Foreign Trade	4	
		2	Foreign Trade Policies & Regulations	4	
		4	Import Export Procedure and Documentation	4	
		5	International Supply Chain Management & Logistics	4	
		5	International Financial Management	4	
		6	Foreign Exchange & Risk Management	4	
		7	International Taxation & Regulations	4	
		8	International Marketing	4	
	Business Administration	1	Organizational behavior	4	Faculty of Commerce
		2	Human Resource Management	4	
		4	Office Management & Commercial Practices	4	
		5	Innovation Management	4	
		5	Production & Operation Management	4	
		6	Business Ethics & Corporate Governance	4	
		7	Leadership Skills for Managers	4	
		8	Organizational behavior	4	

Name of the Faculty: Social Work

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
Social Work	Areas of Social Work Practice	1	Urban Community Development	4	Faculty of Social work
		2	Rural and Tribal Community Development	4	

		4	Introduction to Contemporary Social Problems	4	
		5	NGO Management	4	
		5	Corporate Social Responsibility	4	
		6	Skills and Techniques of Social Work Practice	4	
		7	Counselling Skills and Guidance	4	
		8	Social Entrepreneurship	4	
	Rural Development	1	Problems and Challenges of Rural Areas	4	Faculty of Social Work
		2	Panchayati Raj System	4	
		4	Schemes for Rural Development	4	
		5	Movement of Rural Development	4	
		5	CSR in Rural Development	4	
		6	Rural Development Programmes in India	4	
		7	Rural Socio Political Institution and Processes	4	
		8	Civil Society and Rural Development	4	

Name of the Faculty: Faculty of Hotel Management & Catering

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
B.Sc. Hotel Management and	Event Management	1	Concept & Designing of Event	4	Faculty of HMCT
		2	Finance in Event Management	4	

BHMCT		4	Human Resources Management in Event sector	4	
		5	Business communication in Events	4	
		5	Marketing & Brand Management in Event sector	4	
		6	Basics of Management in Events	4	
		7	Business laws in Events	4	
		8	Event Management Planning	4	
	Retail Management	1	Introduction to Retail Operations	4	Faculty of HMCT
		2	Finance in Retail Management	4	
		4	Human Resources Management in Retail sector	4	
		5	Business communication in Retail Sector	4	
		5	Sales & Marketing management in Retail Sector	4	
		6	Basics of Management in Retail Sector	4	
		7	Business Laws in Retail Sector	4	
		8	Retail Management Perspectives	4	
	Tourism Operation	1	Introduction to Tourism Operations	4	Faculty of HMCT
		2	Finance in Tourism	4	
		4	Human Resources Management in Tourism Sector	4	
		5	Business communication in Tourism	4	
		5	Marketing & Brand Management in Tourism	4	
		6	Basics of Management in Tourism	4	
		7	Business Law in Tourism & Travel	4	
		8	Tourism Policies & Planning	4	
BBA Aviation	Event Management	1	Concept & Designing of Event	4	Faculty of HMCT

		2	Finance in Event Management	4	
		4	Human Resources Management in Event sector	4	
		5	Business communication in Events	4	
		5	Marketing & Brand Management in Event sector	4	
		6	Basics of Management in Events	4	
		7	Business laws in Events	4	
		8	Event Management Planning	4	
	Retail Management	1	Introduction to Retail Operations	4	Faculty of HMCT
		2	Finance in Retail Management	4	
		4	Human Resources Management in Retail sector	4	
		5	Business communication in Retail Sector	4	
		5	Sales & Marketing management in Retail Sector	4	
		6	Basics of Management in Retail Sector	4	
		7	Business Laws in Retail Sector	4	
		8	Retail Management Perspectives	4	

Name of the Faculty: Parul Institute of Public Health

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
B.Sc. Public Health	Artificial Intelligence & Machine Learning in Healthcare	1	Programming in Python	4	Faculty of Engineering and Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	

		8	AI and Machine Learning Projects	4	
	Nanotechnology in Healthcare	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering and Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nanotoxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nanosensors	4	
		8	Project	4	
	IOT in Healthcare	1	Fundamentals of Programming	4	Faculty of Engineering and Technology
		2	Introduction to Embedded system	4	
		4	Introduction to python programming	4	
		5	Fundamentals of Internet of Things	4	
		5	IoT Enabling Technologies	4	
		6	IoT systems design	4	
		7	IoT application and development	4	
		8	Project	4	
	AR/VR/MR/XR in Healthcare	1	Introduction to AR/VR/MR/XR in Healthcare	4	Faculty of Engineering and Technology
		2	AR/VR/MR/XR Hardware and Devices	4	
		4	Basics of 3D Modelling and Visualization	4	
		5	VR AR for Medical Education	4	
		5	VR AR for Medical Training with Unity	4	
		6	Mixed Reality Applications in Healthcare	4	
		7	AR/VR/MR/XR for Surgical Planning	4	
		8	Final Healthcare Project and Presentation	4	

	Economic Evaluation for Health Technology Assessment	1	Introduction to Health Economics & Health Technology Assessment	4	Faculty of Medicine
		2	Economic Evaluation of Health Programmes	4	
		4	Systematic Review and Meta-analysis	4	
		5	Decision Analysis for Health Technology Assessment	4	
		5	Equity and Sensitivity Analysis	4	
		6	Budget Impact analysis	4	
		7	Writing HTA Report and Dissemination	4	
		8	Project	4	

Name of the Faculty: IT and Comp. Sc.

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
BCA and B.Sc.IT	Animation	1	Character Design	4	Faculty of Design
		2	Storytelling & Storyboarding	4	
		4	Graphic Design	4	
		5	3D Visualization	4	
		5	3D Animation	4	
		6	Motion Graphics	4	
		7	VFX Production	4	
		8	Editing & Sound Design	4	
	Digital Marketing	1	Marketing Management	4	Faculty of Management
		2	Fundamentals of digital marketing	4	
		4	Brand Management	4	
		5	Social media promotion and marketing	4	
		5	Email marketing and campaigns	4	
		6	Content Marketing and creation	4	
		7	Social media analytics	4	
		8	Influencer marketing and collaborations	4	
	Photography and Photo Editing	1	Digital Camera Mechanism	4	Faculty of Design
		2	Characteristics of Lens.	4	
		4	Aesthetics of Composition.	4	

		5	Experience the Metadata.(Photo Editing)	4	
		5	Experiment on Expression	4	
		6	Documentary Photography	4	
		7	Business and Marketing for Photographers	4	
		8	Photographers Study	4	
	Videography & Video Editing	1	Fundamentals of Digital Videography	4	Faculty of Design
		2	Lighting and Camera Movement	4	
		4	Basic Video Editing	4	
		5	Non-linear editing and Sound Design	4	
		5	Colour Grading and Mastering	4	
		6	Documentary Film making	4	
		7	Fiction Film making	4	
		8	Cinematographers Study	4	
	Artificial Intelligence & Machine Learning	1	Artificial Intelligence and Machine Learning - I	4	Faculty of FITCS
		2	Artificial Intelligence and Machine Learning-II	4	
		4	Introduction to Data Science Using Pyhton	4	
		5	Computer Vision Using OPENCV	4	
		5	Deep Learning and Neural Network	4	
		6	Introduction to Data Science and Analytics	4	
		7	Advanced Image Processing using Python	4	
		8	Natural Language Processing	4	
	Cyber Security & Forensic	1	Basics of Cyber Security and Forensic	4	Faculty of FITCS
		2	Advanced Cyber Security and Forensic	4	
		4	Foundations of Cybersecurity and Information Assurance	4	
		5	Cyber Threat Intelligence and Analysis	4	
		5	Cyber Security in Mobile, Cloud, and IoT	4	
		6	Fundamentals of Cyber Forensics	4	

		7	Advanced Cyber Investigations and Social Engineering	4	
		8	Advanced Cyber Forensics Investigations	4	

Name of the Faculty: Faculty of Design

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
TV & Film	Direction	1	Elements of Design	4	Faculty of Design
		2	Story Telling	4	
		4	Visual Narration	4	
		5	Cinematography	4	
		5	Film editing aesthetics	4	
		6	Directing actor's	4	
		7	Directing Dialogue	4	
		8	Directing Genres	4	
	Sound Design	1	Elements of Design	4	Faculty of Design
		2	Study of Accoustics Theory	4	
		4	Sync sound recording	4	
		5	digital recording	4	
		5	AR / VR / game sound design	4	
		6	electronic music production	4	
		7	Music Recording, mixing & mastering	4	
		8	the art of foley sound	4	
	Cinematography	1	Elements of Design	4	

		2	Digital Camera mechanism	4	Faculty of Design
		4	Sensor	4	
		5	Linear Encoding	4	
		5	Log encoding	4	
		6	Compression	4	
		7	Aspect Ratio and Framerate	4	
		8	Grading	4	
	Editing	1	Elements of Design	4	Faculty of Design
		2	Screen writing	4	
		4	Film Scanning	4	
		5	Visual Composition	4	
		5	Rotoscopic	4	
		6	Visual Effects	4	
		7	Audio Editing	4	
		8	Colour Correction	4	
Animation & VFX	Graphic Design	1	Elements of Design	4	Faculty of Design
		2	Creative Composition and FX (Image Editing & Compositing)	4	
		4	Fundamentals of Graphic Design	4	
		5	Branding and Advertising	4	
		5	Print and Publication Design	4	
		6	Motion Graphics	4	
		7	3D Motion Design	4	

		8	Exhibition and Space Design	4	Faculty of Design
	Sound Design	1	Elements of Design	4	
		2	Study of Accoustics Theory	4	
		4	Sync sound recording	4	
		5	digital recording	4	
		5	AR / VR / game sound design	4	
		6	electronic music production	4	
		7	Music Recording, mixing & mastering	4	
		8	the art of foley sound	4	
	Film Making	1	Elements of Design	4	Faculty of Design
		2	Film Appreciation	4	
		4	Screenwriting and Storytelling	4	
		5	Photography	4	
		5	Cinematography and Camera Techniques	4	
		6	Editing and Post-Production	4	
		7	Sound Design	4	
		8	Ad Film Making	4	
	Game Design	1	Design COncepts	4	Faculty of Design
		2	Elements of Game Design	4	
		4	2D & 3D Game Art	4	

		5	Character and Environment Design	4	
		5	Introduction to Game Engine - Unity and Unreal	4	
		6	Creating FX for Games	4	
		7	Prototype Design	4	
		8	Game Testing and Quality Assurance	4	

Name of the Faculty: Faculty of Performing arts

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
Classical Music	Musicology	1	Introduction to Performing arts	4	Faculty of Performing Arts
		2	Introduction to Indian Classical Music	4	
		4	Historical Study of Indian Music - Ancient and Vedic Periods	4	
		5	Historical Study of Indian Music - Medieval and Modern Periods	4	
		5	Traditions in Indian Music	4	
		6	Aesthetics in Indian Music	4	
		7	Aesthetics in Western Music	4	
		8	Ethnomusicology	4	
	Light Music	1	Introduction to Performing arts	4	Faculty of Performing Arts
		2	Sugam Sangeet	4	
		4	Bhajan	4	
		5	Thumri - Dadra	4	
		5	Ghazal	4	
		6	Rabindra Sangeet	4	
		7	Lok Geet	4	
		8	Garba	4	
	Sound Engineering	1	Introduction to Performing arts	4	
		2	Music Theory and Ear Training	4	

		4	Fundamentals of Audio Engineering	4	Faculty of Performing Arts
		5	Sound Design and Synthesis	4	
		5	Audio Cables and Interconnections	4	
		6	Studio Techniques	4	
		7	Analog and digital consoles	4	
		8	Automation	4	
	Tabla	1	Introduction to Performing arts	4	Faculty of Performing Arts
		2	Origin and development of Tabla	4	
		4	Fundamental strokes and rhythm cycles	4	
		5	Concept of Improvisation in Tabla	4	
		5	Elements of Solo Tabla Performance	4	
		6	Art of accompaniment	4	
		7	Traditions in Tabla	4	
		8	Aesthetics in Tabla	4	
Dance	Indian Folk Dance	1	Introduction to Performing Arts	4	Faculty of Performing Arts
		2	Regional Classification of Folk Dances	4	
		4	History and evolution of Folk Dance	4	
		5	Cultural Significance and themes	4	
		5	Costumes, make-up and accessories	4	
		6	Choreography and dance movements	4	
		7	Influence on contemporary dance	4	
		8	Documentation and Preservation	4	
	Semi Classical Dance	1	Introduction to Performing Arts	4	Faculty of Performing Arts
		2	Mudras and Abhinaya	4	
		4	Costumes and Jewellery	4	
		5	Choreography and Fusion	4	
		5	Performance techniques	4	
		6	Comparative studies	4	
		7	Notable choreographers and performers	4	

		8	Cultural significance and context	4	
	Bollywood Dance	1	Introduction to Performing Arts	4	Faculty of Performing Arts
		2	Characteristics of Bollywood dance	4	
		4	Key elements of Bollywood Choreography	4	
		5	Choreographers and influential dancers	4	
		5	Diversity of Bollywood dance styles	4	
		6	Musicality and rhythm	4	
		7	Costumes and Make-up	4	
		8	Bollywood dance and cultural context	4	
	Tribal Dance form	1	Introduction to Performing Arts	4	Faculty of Performing Arts
		2	Geographical distribution of tribal dance	4	
		4	Cultural Significance and rituals	4	
		5	Gender roles in tribal dance	4	
		5	Tribal dance, festivals and events	4	
		6	Health and well-being aspects	4	
		7	Collaborations and cultural exchange	4	
		8	Tribal dance and globalisation	4	
Drama	Theatre Direction	1	Introduction to Performing arts	4	Faculty of Performing Arts
		2	Introduction of theatre Direction	4	
		4	Movement of stage & geography	4	
		5	Types of Directors & their approach	4	
		5	Importance of production elements	4	
		6	Directors journey from "script to performance"	4	
		7	Importance of design	4	
		8	Importance of Director's point of view	4	
		1	Introduction to Performing arts	4	

	Set & Production Design	2	Study for Design in Theatre	4	Faculty of Performing Arts
		4	Importance of Lines and Colour	4	
		5	Set design and Light design	4	
		5	Music and Costume Design	4	
		6	Design in Clasical Theatre	4	
		7	Design in Contemporary	4	
		8	Design in Bhavai	4	
	Costume Design	1	Introduction to Performing arts	4	Faculty of Performing Arts
		2	Historical Periods	4	
		4	Literature and Adaptations	4	
		5	Social and Political Themes	4	
		5	Cultural and Ethnic Diversity	4	
		6	Musical Theatre	4	
		7	Tragedy and Drama	4	
		8	Cultural Revivals	4	
	Script writing	1	Introduction to Performing arts	4	Faculty of Performing Arts
		2	How to create Plot	4	
		4	Turn Plot into Play	4	
		5	Importance of Climax	4	
		5	Importance of Conclusion	4	
		6	Importance of Diction in Script writing	4	
		7	Importance of Protagonist	4	
		8	Importance of Antagonist	4	

Name of the Institute: Parul Institute of Paramedical and Health Care

Name of the Department	Minor Title	Sem	Subject Title	Credit	Offering Faculty
B.Sc. Anesthesia and Critical Care	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	

		5	Principals Of Operation Theatre Management	4	
		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	
		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nano toxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nano sensors	4	
		8	Project	4	
B.Sc. Cardiac Care Technology	Anaesthesia & Critical Care	1	Introduction Of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques Of Anaesthesia	4	
		4	Essentials Of Anaesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	

		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post-Operative Preparation, Complication And Management	4	
	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	
		5	Principals Of Operation Theatre Management	4	
		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	
		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nanotoxicology and Safety Assessment	4	

		6	Nanocomposites	4	
		7	Nanosensors	4	
		8	Project	4	
B.Sc. Emergency Medical Services	Anesthesia & Critical Care	1	Introduction Of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques Of Anaesthesia	4	
		4	Essentials Of Anesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	
		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post- Operative Preparation, Complication And Management	4	
	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	
		5	Principals Of Operation Theatre Management	4	
		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	
		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineeri ng & Technolo gy
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	

		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nanotoxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nanosensors	4	
		8	Project	4	
B.Sc. Medical Laboratory Technology	Anesthesia & Critical Care	1	Introduction Of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques Of Anaesthesia	4	
		4	Essentials Of Anesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	
		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post-Operative Preparation, Complication And Management	4	
	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	
		5	Principals Of Operation Theatre Management	4	

		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	
		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nano toxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nano sensors	4	
		8	Project	4	
B.Sc. Neurosciences	Anaesthesia & Critical Care	1	Introduction Of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques Of Anaesthesia	4	
		4	Essentials Of Anaesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	

		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post-Operative Preparation, Complication And Management	4	
	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	
		5	Principals Of Operation Theatre Management	4	
		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	
		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nano toxicology and Safety Assessment	4	

		6	Nanocomposites	4	
		7	Nano sensors	4	
		8	Project	4	
B.Sc. Operation Theatre Technology	Anaesthesia & Critical Care	1	Introduction Of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques Of Anaesthesia	4	
		4	Essentials Of Anaesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	
		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post-Operative Preparation, Complication And Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nano toxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nano sensors	4	
		8	Project	4	

B.Sc. Optometry	Anaesthesia & Critical Care	1	Introduction Of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques Of Anaesthesia	4	
		4	Essentials Of Anaesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	
		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post-Operative Preparation, Complication And Management	4	
	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	
		5	Principals Of Operation Theatre Management	4	
		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	
		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	

	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nano toxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nano sensors	4	
		8	Project	4	
B.Sc. Renal Dialysis	Anaesthesia & Critical Care	1	Introduction of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques of Anaesthesia	4	
		4	Essentials of Anaesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	
		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post-Operative Preparation, Complication And Management	4	
	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	
		5	Principals Of Operation Theatre Management	4	
		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	

		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nano toxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nano sensors	4	
		8	Project	4	
B.Sc. Radiography	Anaesthesia & Critical Care	1	Introduction Of Anaesthesia And Critical Care Technology	4	Faculty of PIPHS
		2	Basic Techniques Of Anaesthesia	4	
		4	Essentials Of Anaesthesia - I	4	
		5	Advanced Anaesthesia Technology	4	
		5	Advanced Critical Care Technology	4	
		6	Clinics: Basic And Advanced Anaesthesia And Critical Care	4	
		7	Advanced Physical Assessment & Critical Care Technology - 1	4	
		8	Clinics: Pre-Intra-Post-Operative Preparation,	4	

			Complication And Management		
	Operation Theatre Technology	1	Introduction To Operation Theatre Technology	4	Faculty of PIPHS
		2	Basics Of Surgical Procedures	4	
		4	Patient, Staff Safety And Quality Care	4	
		5	Principals Of Operation Theatre Management	4	
		5	Operation Theatre Technology 1	4	
		6	Operation Theatre Technology 2	4	
		7	Clinics General And Advanced Operation Theatre	4	
		8	Clinics Hospital Operation Management	4	
	AIML in Health Care	1	Programming in Python	4	Faculty of Engineering & Technology
		2	Artificial Intelligence	4	
		4	Data Science for AI	4	
		5	Machine Learning	4	
		5	Deep Learning	4	
		6	Natural Language Processing	4	
		7	AI and Machine Learning in Healthcare	4	
		8	AI and Machine Learning Projects	4	
	Nanotechnology in Health Care	1	Introduction to Nanotechnology and its Applications in Healthcare	4	Faculty of Engineering & Technology
		2	Nanomaterials in Biomedical Applications	4	
		4	Nanofabrication Techniques	4	
		5	Nanofabrication Techniques	4	
		5	Nano toxicology and Safety Assessment	4	
		6	Nanocomposites	4	
		7	Nano sensors	4	
		8	Project	4	

Name of the Faculty: Faculty of Applied Science

Name of the Department	Minor Title		Subject Title	Credi	Offering Faculty		
Forensic Science	Chemistry	1	Basics of Chemistry	4	Faculty of Applied Science		
			Lab (Basics of chemistry)				
		2	Basics of organic chemistry	4			
			Lab (Basics of organic chemistry)				
		4	Basics of inorganic chemistry	4			
			Lab (Basics of inorganic chemistry)				
		5	Basics of Physical chemistry	4			
			Lab (Basics of Physical chemistry)				
		5	Applied chemistry	4			
			Lab (Applied chemistry)				
	6	Basics of Analytical chemistry	4				
		7		Nanomaterial chemistry		4	
	8	Advanced analytical techniques	4				
		Physics	1	Basic Physics		4	Faculty of Applied Science
	Lab Basic Physics						
	2		Theory of Semiconductor Devices	4			
			Lab Theory of Semiconductor Devices				
	4		Electronics	4			
			Lab Electronics				
	5		Mathematical Physics	4			
			Lab Mathematical Physics				
	5		Solid State Physics	4			
			Lab Solid State Physics				
	6	Modern Physics	4				
		Lab Modern Physics					
	7	Thermodynamics and Statistical Physics	4				
		8	Experimental Techniques	4			
	Life Science		1	Cell Biology	4	Faculty of Applied Science	
			2	Bio-Chemistry & Microbiology	4		
				4			Fundamentals of Biomolecules
			5		LAB - Fundamentals of Biomolecules		
				Information Pathway	4		
				LAB - Information Pathway			
				Molecular Techniques	4		

			LAB - Molecular Techniques				
		6	Molecular Forensics	4			
			LAB - Molecular Forensics				
		7	Analytical Tools & Techniques	4			
			LAB-Analytical Tools & Techniques				
		8	Genetic Engineering	4			
			LAB - Genetic Engineering				
		Psychology	1	Psychology-I		4	Faculty of Liberal Arts
			2	Psychology-II		4	
			4	Social Psychology		4	
	5		Industrial Psychology	4			
	5		Mental Health and Well-being	4			
	6		Psychology of Personality	4			
	7		Psychological Disorders	4			
	8		Guidance and Counseling	4			
	Information Technology	1	Introduction to IT Fundamentals	4	Faculty of Engineering & Technology		
			LAB- IT Fundamentals				
		2	Networking and Infrastructure	4			
			LAB- Networking and Infrastructure				
		4	Fundamental of Operating Systems	4			
			LAB- Fundamental of Operating Systems				
		5	Introduction to Cyber Security	4			
			LAB- Security and Cyber security				
			Cyber law & ethics	4			
			LAB-Cyber law & ethics				
		6	Fundamentals of Web application	4			
			LAB-Fundamentals of Web application				
		7	Security monitoring	4			
			LAB-Security monitoring				
		8	Introduction of Dark web & block chain	4			
			LAB-Introduction of Dark web & block chain				
Chemistry	Physics	1	Basic Physics	4	Faculty of Applied Science		
			Lab Basic Physics				
		2	Theory of Semiconductor Devices	4			
			Lab Theory of Semiconductor Devices				

		4	Electronics	4	
			Lab Electronics		
		5	Mathematical Physics	4	
			Lab Mathematical Physics		
			Solid State Physics	4	
			Lab Solid State Physics		
		6	Modern Physics	4	
			Lab Modern Physics		
		7	Thermodynamics and Statistical Physics	4	
		8	Experimental Techniques	4	
	Life Science	1	Cell Biology	4	Faculty of Applied Science
			Lab - 3 (Cell Biology)		
		2	Basics of Microbiology	4	
			Lab - 3 (Basics of Microbiology)		
		4	Biochemistry	4	
			Lab - 2 (Biochemistry)		
		5	Molecular Biology	4	
			Lab -2 (Molecular Biology)		
			Genetic Engineering	4	
			Lab - 3 (Genetic Engineering)		
		6	Bio-process Engineering	4	
		7	Industrial Biotechnology		
		8	Good Laboratory and Manufacturing Practices	4	
	Mathematics	1	Calculus	4	Faculty of Applied Science
		2	Vector Calculus	4	
		4	Differential Equation	4	
		5	Linear Algebra	4	
		5	Introduction to Maple	4	
		6	Numerical Methods using MATLAB	4	
		7	Probability	4	
		8	Statistical Methods	4	
	Industrial Safety	1	Basics of Industrial Safety - 1	4	Faculty of Engineering & Technology
		2	Basics of Industrial Safety - 2	4	
		4	Fire and Safety - 1	4	
			Lab - 3 (Fire and Safety - 1)		
		5	Fire and Safety - 2	4	
			Lab - 2 (Fire and Safety - 2)		
			Hazard, Risk and Toxicology	4	
			Lab - 3 (Hazard, Risk and Toxicology)		
		6	Safety Practices - 1	4	
	7	Safety Practices - 2	4		

		8	Accident Case studies & Investigation	4	
Mathematics	Physics	1	Basic Physics	4	Faculty of Applied Science
			Lab Basic Physics		
		2	Theory of Semiconductor Devices	4	
			Lab Theory of Semiconductor Devices		
		4	Electronics	4	
			Lab Electronics		
		5	Mathematical Physics	4	
			Lab Mathematical Physics		
			Solid State Physics	4	
			Lab Solid State Physics		
		6	Modern Physics	4	
			Lab Modern Physics		
		7	Thermodynamics and Statistical Physics	4	
		8	Experimental Techniques	4	
	Chemistry	1	Basics of Chemistry	4	Faculty of Applied Science
			Lab (Basics of chemistry)		
		2	Basics of organic chemistry	4	
			Lab (Basics of organic chemistry)		
		4	Basics of inorganic chemistry	4	
			Lab (Basics of inorganic chemistry)		
		5	Basics of Physical chemistry	4	
			Lab (Basics of Physical chemistry)		
			Basic of Applied chemistry	4	
			Lab (Basic of Applied chemistry)		
		6	Basics of Analytical chemistry	4	
		7	Nanomaterial chemistry	4	
		8	Mini Project	4	
	Data Analytics	1	Programming in Python	4	Faculty of Engineering & Technology
			Lab (Programming in Python)		
		2	Business Analytics with Ms-Excel	4	
			Lab (Business Analytics with Ms-Excel)		
		4	Data Science using Python	4	
			Lab (Data Science using Python)		
		5	Data Analytics with R and Tableau	4	

			Lab (Data Analytics with R and Tableau)	4				
			Training on Power BI					
			Lab (Training on Power BI)					
		6	Computational Data analytics	4				
			Lab (Computational Data analytics)					
		7	Machine Learning and Data Analytics	4				
			Lab (Machine Learning and Data Analytics)					
		8	Mini Project	4				
		Physics	Chemistry	1		Basics of Chemistry	4	Faculty of Applied Science
						Lab (Basics of chemistry)		
2	Basics of organic chemistry			4				
	Lab (Basics of organic chemistry)							
4	Basics of inorganic chemistry			4				
	Lab (Basics of inorganic chemistry)							
5	Basics of Physical chemistry			4				
	Lab (Basics of Physical chemistry)							
	Basic of Applied chemistry			4				
	Lab (Basic of Applied chemistry)							
6	Basics of Analytical chemistry			4				
7	Nanomaterial chemistry		4					
8	Mini Project		4					
Data Analytics	1		Programming in Python	4	Faculty of Engineering & Technology			
			Lab (Programming in Python)					
			Business Analytics with Ms-Excel	4				
			Lab (Business Analytics with Ms-Excel)					
	4		Data Science using Python	4				
			Lab (Data Science using Python)					
	5		Data Analytics with R and Tableau	4				
			Lab (Data Analytics with R and Tableau)					
			Training on Power BI	4				
			Lab (Training on Power BI)					
	6	Computational Data analytics	4					
		Lab (Computational Data analytics)						

		7	Machine Learning and Data Analytics	4	Faculty of Applied Science
			Lab (Machine Learning and Data Analytics)		
			8	Mini Project	
	Mathematics	1	Calculus	4	
		2	Vector Calculus	4	
		4	Differential Equation	4	
		5	Linear Algebra	4	
		5	Introduction to Maple	4	
		6	Numerical Methods using MATLAB	4	
		7	Probability	4	
		8	Statistical Methods	4	
Bio Chemistry	Single Major				
Bio Technology	Single Major				
Genetics	Single Major				
Microbiology	Single Major				
Industrial Chemistry	Single Major				
Pharmaceutical Chemistry	Single Major				
Geology	Single Major				
Environmental Science	Single Major				
Food Technology	Single Major				