



JAIPUR NATIONAL UNIVERSITY

Jagatpura, Jaipur

Course Code	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1MTCSE 1	Basic Control System	2016-17	It provides the desired response by controlling the output. The following figure shows the simple block diagram of a control system. Here, the control system is represented by a single block. Since, the output is controlled by varying input, the control system got this name.
1MTCSE 2	Systems Engineering	2016-17	systems engineering process involves the top-down development of a system's functional and physical requirements from a basic set of mission objectives. ... This should also include a set of documented interfaces to ensure compatibility of different parts of the system as they are developed
1MTCSE 3	Digital Control Systems	2016-17	It Provides control theory that uses digital computers to act as system controllers. Depending on the requirements, a digital control system can take the form of a microcontroller to an ASIC to a standard desktop computer.
1MTCSE 4.1	Real Time Instrumentation Techniques (Elective- I)	2016-17	It Provides knowledge and discussion on Real Time Instrumentation
1MTCSE 4.2	Power Electronics (Elective- I)	2016-17	It Provides knowledge and discussion on Advance Power Electronics
1MTCSE 4.3	Linear System Theory (Elective- I)	2016-17	To analyze linear state-space systems in continuous- and discrete time (controllability, observability, reachability, stability. solve linear time-invariant state equations in continuous- and discrete time.
1MTCSE 4.4	Robot Dynamics & Control (Elective- I)	2016-17	To understand the robot dynamics, trajectory generation, motion planning, and nonlinear control, and develop real-time planning and control software modules for robotic systems.
1MTCSE 5	Writing Skills & Presentation-I	2016-17	Skill development
1MTCSE 6	Simulation Lab	2016-17	To understand and analyse the various case studies and simulation techniques
2MTCSE 1	Control Devices	2016-17	To understand and analyse the Control Devices
2MTCSE 2	Modern Control System	2016-17	To enable the students to synthesize linear controllers capable of satisfying a variety of stability and response criteria by using both classical and modern design techniques.
2MTCSE 3	Non-Linear And Adaptive Control	2016-17	To understand and analyse the Non-Linear And Adaptive Control
2MTCSE 4.1	Optimal And Robust Control (Elective- II)	2016-17	To understand and analyse the Optimal And Robust Control
2MTCSE1	Control Devices	2016-17	To enable the students to synthesize linear controllers capable of satisfying a variety of stability and response criteria by using both classical and modern design techniques.
2MTCSE2	Modern Control System	2016-17	To provide a knowledge of theory and design of multivariable linear time-invariant (LTI) control systems.

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2MTCSE3	Non-Linear And Adaptive Control	2016-17	To know the common sources of measurement system variation and understand both Type A and Type B evaluations of measurement uncertainty
2MTCSE 4.2	Multi-Variable Control System (Elective- II)	2016-17	To provide a knowledge of theory and design of multivariable linear time-invariant (LTI) control systems.
2MTCSE 4.3	Measurement System & Error Analysis (Elective- II)	2016-17	To know the common sources of measurement system variation and understand both Type A and Type B evaluations of measurement uncertainty
2MTCSE 4.4	Power System Dynamics & Control (Elective- II)	2016-17	TO understand the concepts of synchronous machine modeling, reference frame transformation, automatic voltage regulation, power system stabilizer, transient stability for multimachine system, automatic generation control under deregulated environment.
2MTCSE 5	Writing Skills & Presentation-II	2016-17	Skill development
2MTCSE 6	Control System Lab	2016-17	To enable the students to synthesize linear controllers capable of satisfying a variety of stability and response criteria by using both classical and modern design techniques.
3MTCSE 1	Control Systems Design	2016-17	To enable the students to synthesize linear controllers capable of satisfying a variety of stability and response criteria by using both classical and modern design techniques.
3MTCSE 2.1	Drives and control (Elective- III)	2016-17	Find the interactive system block diagrams, reference designs and products you need to start designing the latest motor drive systems
2MTCSE5	Writing Skills & Presentation-II	2016-17	TO understand the concepts of synchronous machine modeling, reference frame transformation, automatic voltage regulation, power system stabilizer, transient stability for multimachine system, automatic generation control under deregulated environment.
2MTCSE6	Control System Lab	2016-17	To study about experiments on control system
3MTCSE1	Control Systems Design	2016-17	To know the common sources of measurement system variation and understand both Type A and Type B evaluations of measurement uncertainty
3MTCSE 2.2	Intelligent Control (Elective- III)	2016-17	To understand and design the fuzzy logic and artificial Neural Networks through case study or project based exercise. Analyze Genetic Algorithm system through case study and use and apply engineering tools to simulate various intelligent system.
3MTCSE 2.3	Digital Signal Processing (Elective- III)	2016-17	To identify the signals and systems (SO A), apply the principles of discrete-time signal analysis to perform various signal operations (SO A, E)
3MTCSE 2.4	Microprocessor Based Control System (Elective- III)	2016-17	To understand and analyse the Control Devices
3MTCSE3	Advance Control System Lab	2016-17	To understand and analyse the Control Devices in respect to recents trends developments
3MTCSE4	Dissertation Part -I	2016-17	Skill development
4MTCSE1	Dissertation Part-II	2016-17	Skill development


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BAG111	Introductory Agriculture and Principles of Agronomy	2016-17	Students will learn the different cultural practice of agronomical crops, consultancy services provided to farmers related soil fertility and productivity, business of crop production and plant protection, students learn about forest management practices and forest tree products for medicinal uses, students learn about farm tools and implements, students develop nursery and preparation of seed beds of crops, students provide consultancy services related soil and water losses from runoff plots.
BAG112	Principles of Genetics	2016-17	Students will learn the characteristics of plants, conventional and non conventional Genetics /Breeding which enhance practical knowledge and help to hybridize seed production of food grain commodities and vegetables. DNA and its structure, function, types, mode of replication and repair. RNA and its structure, function and its types, transcription, translation, genetic code and protein synthesis. Numerical chromosomal aberrations (polyploidy) and evolution of different crop species like cotton, wheat, tobacco and brassicas. Mutation - characteristics, classification and induction. Test of goodness of fit of genetic ratio. Study of different types of gene interaction and modifications of typical dihybrid f_2 ratio. Study and detection of linkage in f_2 and test cross progeny.
BAG113	Introduction to Soil Science	2016-17	Students learn how to identify soils, classification of soils and soil analysis in lab and establish own soil testing laboratory. Also study about problem soils – acid, salt affected and calcareous soils, characteristics, reclamation – mechanical, chemical and biological methods also learn about Irrigation water – quality of irrigation water and its appraisal, Indian standards for water quality, use of saline water for agriculture and collection and processing of soil sample, determination of bulk density and particle density, Soil moisture determination, Soil moisture constants – Field capacity, permanent wilting point, Water holding capacity Infiltration rate, Soil texture and mechanical analysis, Soil temperature, Soil analysis for CEC, pH, EC, soluble cations & anions.
BAG114	Dimensions of Agricultural Extension	2016-17	Students learn to different Extension programme of different agricultural activities related to village. Agricultural Development Programmes with reference to year of start, objectives & salient features- Institution Village Linkage Programme (IVLP), National Agricultural Technology Project (NATP), ATMA, ATIC, KVK & NAIP. Poverty Alleviation Programmes- Integrated Rural Development Programme (IRDP), Swarna Jayanti Gram Swarajgar Yojana (SGSY), National Rural employment act (NREGA). Reorganized Extension System (T & V System) – Concept & Methodology. Organizing PRA techniques in a village to identify the agricultural problems.

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BAG115	Agricultural Microbiology	2016-17	Students learn to different microbial experiment related to agricultural, beneficial microorganism in agriculture, biofertilizers – rhizobium, mycorrhiza, azolla, microbial insecticides, microbial agents for control of plant diseases, microbes in composting, microbiology of water, marine water, fresh water, potable water, food microbiology, microbial spoilage and food preservation, biodegradation of pesticides, biogas production, microbiology laboratory which help to create employability in bio fertilizer in industry.
BAG116	Introduction to Computer Applications	2016-17	Students learn to different introduction to computer applications programme, study of computer components, booting of computer and its shut down, practicing WINDOWS operating system, use of different computer hardware and software, also use of windows explorer, control panel, accessories, running application under MS windows, MS word, power point slide creation, printing and other inbuilt additional function, data management, graphs & chart, macros, goal seek pivot table, ifnancial functions and other inbuilt additional function also study about data analysis using inbuilt tool packs, correlation & regression, internet browsing, browsing a web page and creating of E-Mail ID which help to creat emplobility in computer and new agri techno based industry.
BAG118	Comprehensive and Communication Skills in English	2016-17	Students learn to different comprehensive and communication skills and personality development also learn about letter and application writing, personal/business correspondence, preparation of curriculum vitae and job applications, precis writing, spoken english practice by using audiovisual aids ,oral presentation of reports which help to increase <u>personalty and working skill.</u>
BAG121	Agricultural Meteorology	2016-17	Students learn to identify the weather and climate in relationship with agricultural crops, on the basis of climatological factors the future information can be forcast and study about use of weather data for irrigation scheduling, pesticide sprays, fertilizer application, basics of weather forecasting, agro-meterological observatory – its site selection, installation and exposure of instruments, weather data recording, measurement of total solar radiation, short wave and long wave radiation, albedo and sunshine duration, maximum and minimum air temperature, soil temperature, dew point temperature, determination of vapor pressure, relative humidity, atmospheric pressure, wind speed and wind direction, measurement of rain, open pan evaporation and evapo-transpiration, processing, tabulation and presentation of weather data which help to students emplobility in weather forcasting department and realted lab work.

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BAG122	Principles of Plant Breeding	2016-17	Students study about desired change in the characteristics of genotype, plant with the help of breeding, new high yielding varieties can be developed, this has a lot of scope in seed industry, different breeding methods of their development, inbred line, different hybrids, synthetic, composite, multiline, clone, etc. polyploidy in relation to plant breeding and mutation breeding – types, role and methods of mutation breeding also study about use of biotechnology in plant breeding and procedure for release of new variety, emasculation and hybridization techniques which is help to create employability in agro seed based industry.
BAG123	Plant Pathogens and Principles of Plant Pathology	2016-17	Students learn to study the morphology of different plant pathogens and management of diseases caused by them plant disease forecasting - remote sensing application of biotechnology in plant disease management - development of disease resistant transgenic plants through gene cloning, integrated plant disease management (IPDM), plant pathology laboratory preparation of culture media for fungi and bacteria, preparation of fungicides – Bordeaux mixture, Bordeaux paste methods of application of fungicides – seed, soil and foliar which is create employability in agro pesticide industry.
BAG125	Principles of Agricultural Economics	2016-17	Students learn to costs and prices agricultural crops, basic concepts of goods, service, utility, value, price, wealth & welfare economics and demand supply national income – concepts & measurement taxes and canons of taxation which is help to student understand market and market based industry.
BAG126	Fundamentals of Soil and Water Conservation Engineering	2016-17	Study of different methods and soil conservation pressurized irrigation methods- sprinkler and drip determination of fertilizers doses, uniformity coefficient and capacity of a sprinkler irrigation system, sprinkler and drip irrigation systems watershed management which help to create employability in drip and sprinkler based industry and self employability in farm production.
BAG128	Soil Chemistry, Soil Fertility and Nutrient Management	2016-17	Students learn to identify nutrient deficiency symptoms and its management and soil testing in lab. overcome deficiencies and toxicities rapid tissue tests, Soil test based fertilizer recommendations to crops instruments and their calibration and applications, estimation of available N, P, K, S, Zn and Fe in soil, estimation of N, P and K in plants these help to create employability in nutrient analysis in lab also fertilizer based industry.
BAG231	Field Crops-I (Kharif)	2016-17	Students learn to agricultural practices of field crops, seed and sowing, intercropping operations, fertilizer, water and weed management, plant protection, nursery preparation, seed bed preparation, calculations on seed rate, fertilizer application, yield calculations, harvesting and yield estimation these help to self employability in crop production and related startups.

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BAG232	Weed Management	2016-17	Students learn to diffrents control measures of weed management, weed prevention, control and eradication, methods of weed control- physical, cultural, chemical and biological methods, integrated weed management, herbicides- advantages and limitation of herbicide usage, weed management, aquatic weeds and their management, computation of herbicide doses, herbicide application equipment and calibration, phytotoxicity symptoms of herbicides, economics of weed control practice which is help to creat emplobility in herbicide industry.
BAG233	Introductory Nematology	2016-17	Students will learn about morphology of nematodes and management of diseases cuased by them, nematode diseases of crop plants of economic importance in state, nematode management, soil and plant samples, extraction of nematodes from soil and roots, killing and fixing of nematodes, nematocides and their uses which is increase emplobility in research field and pesticide industry.
BAG234	Statistics	2016-17	Students learn to different statistics calculations ralated to agriculture also study about estimation of regression lines, t & S.N.D. test for single mean and difference between two means, paired t-test, test of significance of correlation and regression coefficients, chisquare test for goodness of fit & test of independence in 2x2 contingency table and m x n contingency table which help to increase emplobility in research field, research data analysis and statistics department.
BAG236	Production Technology of Fruits and Plantation Crops	2016-17	The study of this course students learn different production technic of fruits and plantation crops, package of practices for the cultivation of major fruits , plant propagation methods, by seeds, cuttings (soft wood, hard wood and semi-hardwood), budding and grafting, layering (simple layering, Air layering,), layout and planting systems, methods of pruning and training of important fruit crops, micro irrigation methods for establishment of orchard, preparation of growth regulator solutions for propagation, application of growth regulators for improving fruit set, fruit size and quality which is help to increase emplobility in fruit based and PGR industry and self emplobility in fruit production.
BAG237	Production Economics and Farm Management	2016-17	By the study of this courses students develovep managerial skill inrespect of successful organization and oferation of farms and get job in public as well as in private sector, factor product relationship,also study about determination of optimum input and output, factor relationship, product relationship, types of enterprise relationships, organisations of farm business systems of farming preparation of farm plans and budgets, economics analysis of different crop and livestock enterprises

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BAG238	Farm Power and Machinery	2016-17	Students learn to different farm machinery and their application tractor driving, daily and periodic maintenance of tractor, tractor drawn mould board plough and disk plough, cultivators, harrows and hoes, calibration of seed cum ferti- drill, estimation of tractor operational cost which help to employment in agro based machinery industry.
BAG239	Manures And Fertilizers	2016-17	Students learn to prepare different organic manures and compost, biofertilizer inoculation and fertilizers recommendation to farmers on the basis of soil and plant analysis. Determination of organic carbon and microbial biomass C, N and P. Total nitrogen and phosphorus in manures / composts – Ammoniacal and nitrate nitrogen – Water soluble P ₂ O ₅ , potassium, calcium, sulphur and zinc contents of fertilizers, Adulteration in fertilizer.
BAG241	Field Crops- II (Rabi)	2016-17	Students learn to different cultural practices of rabi crops intercultural operations, fertilizer, water and weed management, plant protection measures, seed bed preparation fertilizer experiments on rabi crops, identification of weeds herbicides judging sugarcane maturity and quality tests which help to self employment in crop production and crop based industry.
BAG242	Water Management	2016-17	Students learn to different water management system determination of infiltration rate measurement of irrigation water using different devices, irrigation water quality and its management, water management, agricultural drainage which is help to increase farm production and self employment.
BAG243	Soil survey, Land Use Planning and Remote Sensing	2016-17	Students learn to benchmark survey of different areas with using different soil survey methods and remote sensing techniques and also study about methods of soil survey and mapping, land use planning, aerial photography, aerial and satellite sensor imagery, image processing and interpretations, interpretation of topographic map and delineation of physiographic boundaries based, preparation of the soil survey report, interpretation of remote sensing information which is create employment in soil survey and related industry.


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BAG244	Insect Ecology and Integrated Pest Management including Beneficial Insects	2016-17	<p>Student learn relationship between insect and environment also study about important insecticides- botanicals, chlorinated hydrocarbons, organophosphates, carbamates, synthetic pyrethroids and novel insecticides, chitin synthesis inhibitors, rodenticides, acaricides and fumigants, hormones and pheromones, repellents, antifeedants, attractants, gamma radiation and genetic control, pest surveillance through light traps, pheromone traps and field incidence, techniques for the estimation of insect population, IPM practices-mechanical, physical and cultural methods identification and application of parasites and predators, neem based products chemical control- Insecticides and their formulations, plant protection equipments, calibration of spray equipments, calculation of doses/concentrations of insecticides, poison bait preparation for rodent control, safe handling of pesticides, rearing technique for honeybees, rearing technique for silkworm, rearing technique for lac insect these topics help to increase employability in pesticide industry and silk and lac industry.</p>
BAG245	Production Technology of Vegetables and Flowers	2016-17	<p>The study of this course students learn different production technic of Vegetables and Flowers crops vegetable gardening floriculture. landscape gardening ornamental gardening Package of practices for rose, jasmine, chrysanthemum, marigold and gladiolus. protected cultivation kitchen garden vegetable nurseries Layout of lawns Potting, repotting and maintenance of house plants Training and pruning styles and types of gardens.</p>
BAG246	Agricultural Finance and Co-operation	2016-17	<p>The study of agricultural finance and enhances is the ability and knowledge of finance its need , sources of inances three R ' S of credit, methods of re payment , financing institutions , cooperatives. This has good scop for employment in finance sector.</p>
BAG247	Crop Physiology	2016-17	<p>Students learn to different activities related to the plants – foliar nutrition – hydroponics, plant growth regulators, commercial application of plant growth regulator in agriculture and horticulture and hormonal regulation of fruit ripening, seed viability and vigour tests, effect of ethylene on regulation of stomata breaking seed dormancy, chemical method, mechanical method, post harvest physiology which help to promote self employability, and PGR based and post harvest industry.</p>
BAG248	Entrepreneurship Development and Communication Skills	2016-17	<p>The study of this course students learn communication skills entrepreneurship development incubation and commercialization of ideas and innovations, government schemes and incentives for promotion of entrepreneurship, export and import policies, contract farming and joint ventures, public- privatepartnerships which is help to improve working skill and startups.</p>

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BAG351	Practical Crop Production -1(Kharif crops)	2016-17	Students learn to different cultural practices of kharif crops also study about crop planning, seed treatment, nursery raising, sowing, nutrient management, water management, weed management and management of insect pests and diseases of crops, harvesting, threshing, drying, winnowing, storage and marketing of produce, preparation of balance sheet including cost of cultivation, net returns these help to students increase self employability and farm production.
BAG352	Rainfed Farming	2016-17	Students learn to farming on the basis of rainfed condition moisture index and aridity index, crops and cropping systems for drylands in situ moisture conservation soil mulching seed treatment with chemicals, methods of fertilizer application model watershed agro-forestry, grass legume forage and alley cropping systems, watershed management practices which is increase to self employment and increase dry land farm production and other related agro forest industry.
BAG353	Principles of Plant Biotechnology	2016-17	Study the modern scientific method to multiply the plants in laboratory in large quantities nutritional requirements of in vitro cultures micropropagation, anther culture, pollen culture, ovule culture, embryo culture, test tube fertilization, Endosperm culture, synthetic seed production technology, applications in crop improvements, genetic engineering gene transfer technique plant regeneration, synthetic seed production plant tissue culture laboratory these topics help to increase employability in laboratory related work and synthetic seed and plant development based industry.
BAG354	Crop and stored grain pests and their management	2016-17	Student will learn to identify grain pests and their management, management of insect pests, preventive and curative methods for control of stored grain pests which is help to increase employability in pesticide industry and warehouse based work.
BAG355	Breeding of Field and Horticultural Crops	2016-17	The study of breeding of several field & horticulture crops use full in developing new variety by using different methods disease and pest resistance and quality (physical, chemical, nutritional and marketing) improvement, conventional and non-conventional breeding methods, important varieties heterosis and inbreeding which help to develop employability in new variety released and seed based industry.
BAG356	Agricultural Marketing, trade and Prices	2016-17	This course provides knowledge in area of market, classification, producers surplus, functions of marketing, marketing channels, Efficiency, role of govt. in marketing, international trade etc. This knowledge will be helpful in getting job in the field of agriculture marketing.

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BAG357	Protected cultivation and Post harvest Technology	2016-17	Students learn to growing of plants in green house glass house and poly house etc Green house technology Green houses equipments post harvest engineering Silos; Grain storage structures and requirements of good storage structure.
BAG358	Diseases of Field Crops and their management	2016-17	Students will learn to identify different diseases of field crops and their management, economic importance, disease cycle, management of diseases, study of symptoms, etiology, host-parasite relationship and control measures of diseases. This knowledge will be helpful in getting job in the field of pesticide industry.
BAG359	Production technology of Spices, Aromatic and Medicinal crops	2016-17	Students take up self employment in spices, medicinal and aromatic plant cultivation and herbal drug formulation pharmaceutical industry, propagation techniques of spices, aromatic and medicinal crops, processing and curing of spices, cost of cultivation of spices, nurseries. This knowledge will be helpful in develop employability in the field of pharmaceutical industry and these crop based industry.
BAG361	Practical Crop Production –II (Rabi)	2016-17	Students take up self employment in crop planting, raising field crops in multiple cropping systems, field preparation, seed treatment, nursery raising sowing, fertilizer application, water management, weed management, intercultural operation, management of insect, pest and diseases of crop, harvesting, threshing, drying, winnowing, storage and marketing of produce, preparation of balance sheet including cost of cultivation, net return. This knowledge will be helpful in getting job in nursery based work farm work.
BAG362	Farming Systems, Sustainable Agriculture and Organic Farming	2016-17	Students learn to different farming system related to sustainable agriculture, also study about land degradation and conservation, Organic farming, organic manures, vermicomposting, green manuring, recycling of organic residues, biofertilizers, soil amendments, integrated diseases and pest management preparation of integrated farming system model for wetlands, preparation of integrated farming system model for drylands, preparation of enriched farm yard manure; preparation of vermicompost. This knowledge will be helpful in getting job in organic farm and manure based industry and self employability in organic farming.

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BAG363	Principles of Seed Technology	2016-17	The scholars study about various test of seeds and classes of seed production. This has lot of employment opportunity in seed industry and technology, seed demand forecasting and planning of certified, foundation and breeder seed production, seed multiplication, maintenance and multiplication of pre-release and newly released varieties in self and cross pollinated crops, seed production- foundation and certified seed production of maize, bajra, sorghum (hybrids, synthetics and composites), rice, cotton, tomato and hybrids: chillies and cucurbits (varieties and hybrids), state seed testing laboratories; duties and powers of seed inspectors, offences and penalties, seed treatment, seed marketing structure, marketing organization which is help to increase employability in seed based industry.
BAG364	Extension Methodologies for Transfer of Agricultural Technology	2016-17	Students learn to different extension programme of different agricultural activities related to village, extension programme extension teaching methods, method and result demonstrations, small group discussion techniques – Lecture, Panel, Workshop, Syndicate group, Brain Storming, Seminar, Conference and Buzz group, Mass contact Methods- Campaign, Exhibition, Kisan Mela, Radio & Television -Meaning, Importance, steps. This knowledge will be helpful in getting job in different project which release by government and private sector.
BAG365	Livestock Production and Management	2016-17	Students learn important exotic and Indian breeds of cattle, buffalo, sheep, goat and swine and also study about milk secretion, milking of animal and factor affecting milk yield and composition, meat production, disease control measures, sanitation and care preservation and marketing of eggs housing and management of poultry. This knowledge will be helpful to create self employability in poultry, animal production and milk and milk based product industry.
BAG366	Environmental Science**	2016-17	Students learn from the pollution aspects from agriculture industrial, hazards waste also learn the activities of environmental act, disaster management, forest conservation oil nuclear hazards and industrial wastes, estimation of chlorophyll, estimation of ascorbic acid (Vitamin C), estimation of pesticide contamination in agro-ecosystem bio-chemical oxygen demand (BOD) determination of heavy metals in sewage and sludge, total dissolved solids (TDS) chemical oxygen demand (COD). This knowledge will be helpful in getting job in lab related work and disaster management work.

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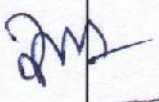
BAG367	Post harvest management and value addition of fruits and vegetables	2016-17	This course creat self emplyoment in post-harvest handling of fruits and vegetables, processing of fruits and vegetables also study about methods of storage – pre-cooling, pre-storage treatments, low temperature storage, controlled atmospheric storage, hypobaric storage, irradiation and low cost storage structuresPreparation of jams, jellies, marmalades, candies, crystallized and glazed fruits, preserves, chutneys, pickles, ketchup, sauce, puree, syrups, juices, squashes and cordials construction of zero energy cool chambers for on farm storage, preparation of chutneys, pickles, sauces and ketchup. This knowledge will be helpful in creat employability in post harvest product making industry.
BAG368	Diseases of Horticultural Crops and their management	2016-17	Students learn to different desease of horticultural crops and their management also study about control measures of diseases of citrus, mango, grapevine, pomegranate, papaya, guava, ber, potato, tomatoto, chilli, brinjal, bhindi, pea, onion. This knowledge will be helpful in develop employability in pesticide industry.
BAG369	Fundamentals of Agri. Business Management	2016-17	Study about the agro based industery their management agribusiness, agricultural policy, agribusiness management, capital management, financial management of agribusiness, financial statements, balance sheet, profit and loss statement, analysis of financial statements, agro-based industries, marketing management, preparation of project reports dairying, poultry, fisheries and agro-industries etc, project appraisal techniques: case study of agro-based industries, retail trade commodity trading, agribusiness finance limited of input markets: seed, fertilizers, pesticides. This knowledge will be helpful in getting job in marketing and related industry.
BAGEHA471	Bio-control agents and Bio-pesticides	2016-17	Students learn about the entomology and also study about using the bio pesticides and bio contoral agents to substitute chemical pesticidess and reduce the toxicity mass production of NPV, Bt and metarrhizium anisopliae natural enemies, techniques of biological control production and multiplication of biocontrol IPM, biological control. This knowledge will be helpful in developed employability in biocontrol based industry .
BAGEHA472	Vermi-composting and Organic farming	2016-17	Students learn to different method of vermi -culture and organic farming vermitechnology, agriculture waste and organic recycling of nutrients preparation of vermicompost, biofertilizers, determination of organic carbon, N, P and K content of soils under organic farming.This knowledge will be helpful in getting job related to lab work and developed self employability in biofertilizer and vermicompost manufacture based industry.

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BAGEHA473	Tissue culture and Micro-propagation techniques	2016-17	Students learn to different tissue culture and micropropagation technique, self employability in setting up of commercial micro propagation unit - lab and hardening unit design, equipment, lab wares, biosafety measures and waste disposal, legislative requirement and govt. incentive, techniques in micro propagation, marketing and supply chain management, media preparation explant preparation, preparation of synthetic seeds. This knowledge will be helpful in developed employability in making tissue culture plant and synthetic seed development
BAGEHA475	Nursery Management of Horticultural Crops	2016-17	Nursery establishment of horticultural crops and self employment of propagation material and equipment and also study about layout of nurseries and management vegetable nursery, multiplication of plants by cutting, layering, grafting, budding and in vitro propagation PGRs in plant propagation grafting in horticultural crops, use of plant growth regulators in propagation, potting, repotting or lifting of saplings (packaging). This knowledge will be helpful in self employability in nursery development.
BAGEHA476	Commercial Vegetable Production	2016-17	The study of this course students learn to commercial cultivation of different vegetables with advance technic on commercial scale, storage techniques of vegetable crops, net house practice of emasculation seed production in root crops preparation of nursery bed which is help to increase self employability in different vegetable production techniques.
BAGEHA478	Plant Growth regulators in Agriculture	2016-17	Students learn to application of PGR in agriculture also study about plant growth regulators, flower and fruit drop and their control measures, plant hormone in seed, fruit and grain formation, weed control and plant hormones. This knowledge will be helpful in developed self employability in PGR used in agro crop and PGR based industry.
BAGESS471	Marketing Management	2016-17	The study of marketing management provides thorough knowledge of the area, marketing management, new product development, product mix, branding, packaging and labeling, pricing policies, strategies and pricing methods, performance analysis of regulated market and marketing societies, price spread and marketing efficiency analysis,. Which helps students in getting job, self employment, in public as well as private sector.


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BAGESS472	Project Formulation, Evaluation and Monitoring	2016-17	Students get specialization in formulation and evaluation of projects, reports, agriculture projects formulation, appraisal, implementation, monitoring and evaluation and also study about project feasibility project appraisal techniques, discounted and undiscounted techniques, compounding, payback period, annual return on investment, proceeds per unit of outlay, NPW, B-C ratio, IPR, profitability index, sensitivity analysis, project monitoring and evaluation: Ex-ante evaluation, mid course evaluation and ex- post evaluation, numerical exercises on techniques of project appraisals, which has employment opportunities in the area of project management.
BAGESS473	Natural Resource Economics and Management	2016-17	Students learn to the natural resources use in economic way and apply the same management practice on farm, natural resource economics, natural resources management and conservation, issues in natural resources and management, important issues in economics and management of land, water and forest resource and the environment, natural resources administration and policy formulations, optimum harvest of forestry, fishery, environmental impact assessment. This knowledge will be helpful in develop employability in pesticide industry. This knowledge will be helpful in getting job in marketing and agriculture based industry.
BAGESS475	Govt. Policies and Programmes on Agriculture	2016-17	Study of this course create self employability in different government policies and programmes applicable in agriculture sector, development programmes for agriculture, public-private partnership, agriculture related enterprise, MNREGA etc.
BAGESS477	Dairy Cattle Production	2016-17	After pursuing courses in this field students will be able to work with farm, zoo and lab animals anywhere in India and abroad. Dairy sector also offers large self employment opportunities. Students can also do teaching jobs in universities or colleges. Students can become professionals in this field including poultry, livestock, dairy and farmers. Most common career in animal husbandry is animal technician, animal caretaker, breeding supervisor and livestock farm manager. Breeds of cattle and buffalo dairy farm, clean milk production milking machine and its operation, pregnancy diagnosis, artificial insemination hay and silage making
BAGESS478	Poultry Production and Management	2016-17	Students learn this course food and food industries. Food industry will always need bright, ambitious, educated employees to help them produce it. A poultry hand is likely to be involved in a wide range of tasks, working under limited supervision. The tasks may include: handling and identifying chickens, hatchery maintenance, operating machinery and equipment. Which is help to create employability in food industry and related other food based industry.


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MPHSW 103	Social Work in Industry	2016-17	Conduct exercise on different role of social worker in industries / understand the labour and employees problems and its possible solutions as social work in industries, deals the problems of worker by organise various training programme and provide them safety / mediator between bottom level employers and top level management /It will help a good team leader/ manager and counsellors .
MPHSW 105/305	Rural and Urban Community Development in India	2016-17	Workshop & discussions on Rural and Urban community , caste class conflicts , infrastructure, public relation, problems , institutions and groups dynamics, schemes and programme for Urban and Rural Development /Theory, exposure visits & debate exercises/It will help the students about the urban and rural development Public Relation/ work for Rural and urban areas development and project planning and implementation
MPHS 103	Social Labour Welfare	2016-17	Conduct classes for programmes related to labour welfare and safety in any organisations, rules and regulations , its ethics / programmes and policies related to all level of employer in company, NGOs, funding agencies, factories and government institutions/ As Social worker , Welfare Officer and HR manager skills/ etc/ it will help in professional social worker in industries .
BBLLB 605 CPV	Penology ,Penology and Victimology	2016-17	The objective of this paper is to make students know as to why people commit crime, what treatment should be given to criminals and how the punishment for a particular type of crime is decided. As the criminal justice system has now focused attention towards various kinds of the victims, it becomes imperative to make students read and understand the relationship amongst criminals, victims and the punishments
LLM(1) BL 201 LI	LAW OF INSURANCE	2016-17	Student will be able to: Know the general principles of laws of Insurance viz- The Life Insurance Corporation Act, 1956, Marine Insurance Act, 1906, Motor Vehicle Insurance and Public Liability Insurance Act, 1991. Know the fundamental principles of insurance law that govern the business viz- duty of utmost good faith, the duty of disclosure, double insurance, contribution, subrogation and reinsurance. Know the practical application of the fundamental principles while purchasing a policy and realization of the benefits of policy. Examine the provisions of insurance law and dispute resolution mechanisms for resolution of insurance disputes, and insurance litigation.

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LLM(1) BL 203 SCT	SPECIFIC CONTRACT – E CONTRACT	2016-17	<p>students would be able to-</p> <p>Trace the evolution of law of contract with the passage of times and the role of equity in law, understand the differences between the law of torts and the law of contract in terms of liabilities, understand the essentials of a valid contract, know the contractual obligations arising out of breach of contract, distinguish the enforceable and unenforceable contracts, safeguard the interests of parties while drafting the terms of a contract, understand the role of a contract in growth of commercial activities</p>
BCA-603	Graphics & Multimedia	2016-17	<p>1. Students learn the concepts of computer graphics to design an application having advanced animation and graphics.</p> <p>2. Student can perform the role of Graphic designers and</p>
BCA-652	Graphics & Multimedia Lab	2016-17	
MCA- 402	Advanced Java Programming	2016-17	<p>1. Learning the concept of Java Student can integrate modern language features such as lambda expressions and streams in JDK 8.</p> <p>2. Students learn the advance concepts for developing the business applications using them.</p> <p>3. Learn to implement the different back end connectivity drivers for application design and development.</p>
MCA-451	Advanced Java Programming	2016-17	<p>1. Students learn the advance concepts for developing the business applications using them.</p> <p>2. Learn to implement the different back end connectivity drivers for application design and development.</p> <p>3. Knowledge of web based applications design and development using server programming.</p> <p>4. Students learn the development of remote application that can have the client/server architecture.</p>
MCA-505.3	Cloud Computing	2016-17	<p>1. The knowledge of virtual machines to access the different programs on same machine using the cloud computing.</p> <p>2. The knowledge of virtual machines to access the different programs on different machines using the cloud computing.</p> <p>3. Cloud computing add a new dimension the developers have the ability to build, deploy, and manage applications quickly which scale to unlock the full capabilities of the cloud.</p>
MCA-552.2	Data Warehousing and Data Mining Lab	2016-17	<p>1. Students get the knowledge of data warehousing concepts which they can implement with the software development in organization.</p> <p>2. Learn to implement different data mining techniques to be implemented while developing the applications in software industry.</p> <p>3. Advance technological concepts help them to fine tuning the applications to perform better as per the client requirements.</p> <p>4. Students can perform the role of data scientist. The data scientist's role is to decipher large volumes of data and carry out further analysis to find trends in the data and gain a deeper insight</p>

BPTHA101	Human Anatomy-I	2016-17	Student can enrol into MSc. Anatomy & can further can pursue career in Department of Anatomy
BPTHP102	Human Physiology-I	2016-17	Student can enrol into MSc. Anatomy & can further can pursue career in Department of Physiology
BPTBC103	Biochemistry	2016-17	Student can enrol into MSc. Anatomy & can further can pursue career in Department of Biochemistry
Chem-101	Chemistry I: Physico-Inorganic Chemistry-I	2016-17	Detection and analysis of Functional groups in organic compounds, purification by crystallization and production of Ni-Dimethyl glyoxime and methyl orange.
Bot-103	Diversity of microbes	2016-17	Train and develop skill to identification and synthesis of new compound by applying the concept of chemical bond formation and atomic structure of compounds which is provide employability in research and development area in different industries.
Bot -104	Diversity of cryptogams	2016-17	Skill development in identifying diseased plants, based on visual symptoms, single cell proteins production will help in improving commercial agriculture.
Zoo -105	Biodiversity I -Protozoa to Annelida	2016-17	Skill development in identifying fungal diseased plants, based on visual symptoms, will help in agriculture.
PCS-107	Professional Communication Skills*	2016-17	Training the students about characteristics and classification of protozoans such as Amoeba proteus, Plasmodium vivax etc will fetch jobs in public health sector. Skill development in Vermicomposting technique will help in self sustenance in agriculture.
Chem -108	Practical - I	2016-17	Training the students to speak and write with propriety and effectiveness and argue in a positive manner for group discussion and personal interview
Bot -109	Practical - II	2016-17	Technique of purification by sublimation and determination of melting point and boiling point used for the identification and separation of compounds in pharmaceutical industries.
Zoo -110	Practical - III	2016-17	Training the students to differentiate gram positive and negative bacteria through gram staining procedure and identification, characterization and pathogenic role of different microbes like bacteria, cyanobacteria and fungi on plants through permanent slides and specimens.
Chem -201	Chemistry I: Physico Inorganic Chemistry-I	2016-17	Demonstration of museum specimen and permanent slides to characterize and identify animals from various taxa makes them employable at zoological parks. Students also develop the skill of dissecting an organism and mounting of tissues.
Chem -202	Chemistry II: Physico-Organic Chemistry-II	2016-17	conductometric titration train the students for drug analysis in Pharmaceutical Industry and medicine area.
Zoo -205	Biodiversity-II Arthropoda to Hemichordata	2016-17	Train the student to illustrate mechanism of preparation, chemical reaction of organic hydrocarbon, which provide job opportunity in oil industrial ,pharmaceutical fields, research, teaching and competitive exams
Zoo -206	Biochemistry	2016-17	Training the students about characteristics and classification of Arthropods and insect vectors such as Mosquito, Housefly, Sandfly, Tse-Tse fly etc will fetch jobs in public health sector.
Comp-207	Computer Applications*	2016-17	Training in Enzyme kinetics and separation, purification and analysis of various biomolecules is helpful in various ayurvedic pharmaceutical companies

Chem -208	Practical - I	2016-17	The relationship of computers and automation to employment is part of the more general relation of technological change to employment. The most obvious effect is that increases in productivity due to technology.
Bot -209	Practical - II	2016-17	training in distillation, crystallization for purification and separation of compounds & qualitative analysis like element detections and identifications of functional groups and utilize their knowledge in academic and R&D (pharmaceutical industries).
Zoo -210	Practical - III	2016-17	Training the students to differentiate between different plant tissues. skill development in differentiation of dicot and monocot root, stem and leaves and their anomalous growth through section cutting and permanent slide.
Chem -302	Chemistry II: Physico-organic Chemistry-II	2016-17	Demonstration of museum specimen and permanent slides to characterize and identify animals from various taxa makes them employable at zoological parks. Students also develop the skill of dissecting an organism, mounting of tissues and preparation of solutions and buffers.
Bot -304	Plant Breeding and Evolution	2016-17	Training in mechanism carbonyl and carboxylic acid reactions helps in chemical industries for the production of synthetic analogs of natural chemical products, their analysis by various techniques like spectroscopy for detection and estimation of compound of interest.
Zoo-305	Chordates	2016-17	Training the students about the basic concept of plant breeding like pure line selection, mass selection, pedigree method, back cross, multiline selection, polyploidy and vegetative propagation used in crop improvement for employment in the fields of horticulture, agriculture, agronomy, forestry etc.
Zoo -306	Molecular Genetics	2016-17	Training the students in identification and characterization of various taxa which enables them in competitive exams and makes them employable in zoological parks.
Chem -307	Practical - I	2016-17	Training in isolation and purification of DNA, RNA and Protein and their analysis based on various biophysical and chemical techniques useful in research, Agriculture and molecular diagnostic labs
Bot -308	Practical - II	2016-17	Training in analytical technique like Thin layer chromatography and detection of alkali content in water sample is important in pharmaceutical/Textiles/Dye synthesis industries for check the purity of organic compounds and monitoring the reactions.
Zoo -309	Practical - III	2016-17	Skill development in the field of plant identification based on vegetative and floral characters and emasculation, bagging and tagging techniques of plant breeding.
Chem -401	Chemistry I: Physico Inorganic Chemistry - IV	2016-17	Training in DNA isolation and electrophoresis. Skill development in differentiating between poisonous and non- poisonous snakes.
Chem -402	Chemistry II: Physico organic Chemistry - IV	2016-17	Training in preparation of buffer solutions and pH estimation of solution which helps in all types of chemical industries, Pharmaceuticals and laboratories.

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Bot -403	Reproductive Botany (Embryology and Palynology)	2016-17	Training in synthesis of heterocyclic compounds and organometallic compounds and spectroscopy technique provide employability in research field, medicine synthesis , natural product synthesis, textiles.
Bot -404	Biotechnology	2016-17	Training the students about the concept of pollination, polyembryony, parthenogenesis, parthenocarp and apomixis. They will be able to calculate the percentage of pollen germination and can dissection the embryo/endosperm from developing seeds which helps them to get the employment in nursery
Zoo -406	Anatomy and Physiology	2016-17	Provide technical skills to culture/ micropropagate commercially important varieties plant, Synthetic seed production on large scale which bears directly employability in Agriculture, crop improvement, secondary metabolite production in government/ non-government organisation or startup companies
Chem -407	Practical - I	2016-17	Training the students in identification of various body systems which prepare them for competitive examinations like civil services forest services etc
Bot -408	Practical - II	2016-17	Training in identification of organic compounds through the functional group and determination of melting point etc, are helpful in academic and industries.
Zoo-409	Practical - III	2016-17	Skill development in pollen germination, pollen viability method and identification of different seed types and endosperms helps establishing a nursery of plants and as palynologist
Chem -502	Chemistry II: Physico organic Chemistry-V	2016-17	Students learn the clinical skill to measure haemoglobin, Blood pressure, bleeding time, clotting time and identify blood groups from given sample.
Bot -503	Plant physiology and Biochemistry	2016-17	Trained in classical and solid phase peptide synthesis, electrophoresis techniques will open job opportunities in field of commercial peptide synthesis
Bot -504	Analytical Techniques	2016-17	Skill development in basic concept of transpiration, mineral nutrition, Plant growth regulators, nitrogen fixation and osmotic potential for Self-sustenance in agriculture
Zoo -505	Immunology	2016-17	Training in principle, construction, working and application of spectroscopy, microscopy, centrifugation, chromatography, and electrophoresis
Zoo -506	Applied zoology	2016-17	Provides the theoretically as well as technical know-how of the antigen-antibody interaction, production and application of monoclonal antibodies, type of Vaccines and their mechanism of action; which will pave the path for students in fetching jobs of technical sales executives/specialists in Pharmaceutical companies or companies involved in the production of Biologicals.
Chem -507	Practical - I	2016-17	Skill development in start-up of silkworm rearing/bee-keeping/fish farm/prawn culture/poultry farm etc.
Bot -508	Practical - II	2016-17	Training in column chromatography technique for separation, conductometric titration for pH determination and purification by distillation provide employability in various analytical labs & pharmaceutical industries


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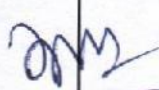
Zoo -509	Practical - III	2016-17	skill development in chromatography technique for separation of amino acids and pigments, enzyme activity assay are important in analytical labs & pharmaceutical industries
Chem -601	Chemistry I: Inorganic Chemistry-VI	2016-17	Skill development in measuring haemoglobin, identify blood groups, observe antigen-antibody interactions with the help of precipitation reactions, estimate WBC and RBC count in given sample.
Chem -602	Chemistry II: Physico organic Chemistry-VI	2016-17	training in the basic concepts of photochemistry (chemiluminiscence/ Fluorescence/ Phosphorescence) techniques, which is basic in many estimation and detection techniques in industries
Bot -604	Economic Botany	2016-17	Training in synthesis of different pharmaceutical drugs and medicines, analyze and evaluate new and existing pharmaceuticals.
Zoo -605	Medical Zoology	2016-17	Skill development in nutritional and medicinal properties of plants those are used in day-to-day daily life which helps to built an idea for directly employability in agriculture.
Zoo -606	Biodiversity and Environment	2016-17	Provides the theoretically as well as technical know-how of the antigen-antibody interaction, type of Vaccines and their mechanism of action; which will pave the path for students in fetching jobs of technical sales executives/specialists in Pharmaceutical companies or companies involved in the production of Biologicals.
Chem -607	Practical - I	2016-17	The course will prepare the students toward various national level entrance exams of general awareness such as Indian civil services and Indian forest services etc. (such as laws for environmental protection, Indian patent laws and Intellectual/Industrial property rights, conservation of biodiversity)
Bot -608	Practical - II	2016-17	Training in separation and estimation of inorganic ions by ion exchange method, synthesis of organic compound by nitration , halogenation and polarimetry for retraction of mixture of water and glycerol and calorimetry to determination of concentration and absorbance of solution provide employability in pharma, Textile, chemical industries as well as research.
Zoo -609	Practical - III	2016-17	Skill development in testing of economically important plants for starch, fibre, cellulose, hemicellulose and oil droplets which will be helpfull in the field of food industry/ chemical industry/ pharmaceuticals.
Zoo -106	Cell biology and Genetics	2016-17	training in principle, components, optical path and application of different types of spectroscopic, microscopic, radioactivity measuring instruments centrifugation, electrophoresis, conductometry, potentiometry and chromatographic techniques which id required in research, industries and medical field.
Bot -203	Pteridophyta, Gymnosperms and Palaeobotany	2016-17	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker

Bot -204	Morphology and anatomy of Angiosperms	2016-17	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker
Chem -301	Chemistry I: Physico-Inorganic Chemistry-I	2016-17	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
Bot-303	Angiosperm Taxonomy	2016-17	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
Zoo-405	Developmental biology	2016-17	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
Chem -501	Chemistry I: Physico Inorganic Chemistry-V	2016-17	Skill enhancement in drug manufacturing process and phases of clinical trials of pharmaceutical products makes the individual employable in Pharmaceutical companies
Bot -603	Ecology	2016-17	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BN-405	Environmental Science (EVS)	2016-17	THIS SUBJECT KNOWLEDGE HELP THE PERSON TO SURVIVE AND BATTER PLACEMENT IN EVERY AREA. CLIMATE CHANGES AND ITS IMPACT ON HEALTH AIR POLLUTION AND ITS IMPACT ON HEALTH HEAT WAVES AND ITS IMPACT ON HEALTH
BAPLS101	Essential Language Skills –I	2016-17	
BAPSG102	Sociology-I (Introduction to Sociology)	2016-17	<ul style="list-style-type: none"> • Sociological theories. • Explain processes of socialization. • Inter-dependence of social institution. • linkages of Sociology with other Social Sciences (Social Worker, Good Teacher, Social Critic)
BAPSG103	Sociology-II (Indian Society)	2016-17	<ul style="list-style-type: none"> • The pluralistic nature of society. • Inequalities existing in the society. • Need of sociological reasoning. • Colonial view of Indian society and the growth of sociology in India. • Family Counsellor, Community Service Worker, Guidance Counsellor)
BAPHI104	History-I (Ancient History of India- Early times to 185 BC)	2016-17	Paleolithic cultures- sequence and distribution; stone industries and other technological developments Mesolithic cultures- regional and chronological distribution; new developments in technology and economy; rock art. Understanding the regional and chronological distribution of the Neolithic and Chalcolithic cultures: subsistence, and patterns of exchange
BAPHI105	History-II (History of Rajasthan- Early Times to 1750 AD)	2016-17	A survey of the sources of the history of Rajasthan. Paleolithic and Mesolithic and Neolithic age in Rajasthan A brief survey of the main features of the society and culture in Rajasthan. (1200-1750AD). Meera and Dadu. Art and architecture-fort architecture, temples. Religion
BAPPS106	Political Science-I (Introduction to Political Science)	2016-17	Entrepreneurship/ Skill development

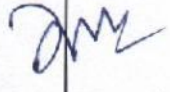
BAPPS107	Political Science-II (Introduction to Political Theory)	2016-17	Entrepreneurship/ Skill development
BAPEL108	English Literature –I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BAPEL109	English Literature –II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BAPGO110	Geography-I (Physical Geography-I)	2016-17	1.Understand rocks, soils, volcanoes and earthquakes 2.Observe and recognize of erosional and deposition land forms
BAPGO111	Geography-II (Geography of Rajasthan-I)	2016-17	1.Locate major rivers of Rajasthan on map 2.Make optimal use of various natural resources of Rajasthan
BAPGO112P	Geography-III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPEC113	Economics –I (Micro Economics- Basics)	2016-17	Entrepreneurship/ Skill development
BAPEC114	Economics –II (Micro Economics- Advanced)	2016-17	Entrepreneurship/ Skill development
BAPPY115	Psychology-I (Introduction to Psychology)	2016-17	Entrepreneurship/ Skill development
BAPPY116	Psychology-II (Human Development)	2016-17	Longitudinal, Cross Sectional, case study methods
BAPPY117P	Psychology -III(Practical)	2016-17	various paper pencil tests and performance tests used to measure psychology attributes
BAPHL118	Hindi Literature-I (हिंदी भाषा का उद्भव एवं विकास)	2016-17	Entrepreneurship/ Skill development
BAPHL119	Hindi Literature-II (भारतीय काव्यशास्त्र)	2016-17	Entrepreneurship/ Skill development
BAPDP120	Drawing and Painting –I(Fundamental of Visual Art and Indian Folk Art)	2016-17	Entrepreneurship/ Skill development
BAPDP121P	Drawing and Painting-II (Practical- Rendering)	2016-17	Entrepreneurship/ Skill development
BAPDP122P	Drawing and Painting - III (Practical- Still Life)	2016-17	Entrepreneurship/ Skill development
BAPHS123	Home Science-I (Physiology / Applied Life Science)	2016-17	Family housing needs- Protective, economic and social. Factors effecting selection and purchase of site for house building- legal aspects, location, physical features, soil conditions, cost, service. Arrangement of rooms and kitchen. Design- Decoration and structural. Colour- properties, classification and colour schemes. Furniture- types, styles and arrangement. Lighting - types, styles and arrangement. Flower arrangement- types, styles and arrangement Accessories - types, styles and arrangement.

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BAPHS124	Home Science-II (Family Resource Management & Housing)	2016-17	<ul style="list-style-type: none"> • Digestive System – Structure and functions of different parts of alimentary canal. • Digestive glands – their location and secretion. • Structure and function of Sex glands and organs including hormones • Menstrual Cycle • Physiology of pregnancy, parturition, lactation and menopause • Muscular-Skeletal System • Types of muscles, functions • <u>Skeletal System- formation of bone and teeth</u>
BAPHS125P	Home Science-III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPUL126	Urdu Literature –I	2016-17	Entrepreneurship/ Skill development
BAPUL127	Urdu Literature-II	2016-17	Entrepreneurship/ Skill development
BAPSL128	Sanskrit Literature –I	2016-17	Entrepreneurship/ Skill development
BAPSL129	Sanskrit Literature-II	2016-17	Entrepreneurship/ Skill development
BAPMU130	Music -I	2016-17	Entrepreneurship/ Skill development
BAPMU131	Music -II	2016-17	Entrepreneurship/ Skill development
BAPMU132P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPLS201	Essential Language Skills –II	2016-17	Entrepreneurship/ Skill development
BAPSG202	Sociology-I (Society, Culture and Globalization)	2016-17	<ul style="list-style-type: none"> • The role of culture in social inequalities. • Approaches to globalization and development. • Social, political, cultural, and economic aspects of globalization • The impacts on society at local and global levels. • Structure and Composition of Indian Society (Social Worker, Good Teacher, Social Critic)
BAPSG203	Sociology-II (Social Problems in India)	2016-17	<ul style="list-style-type: none"> • Basic theoretical approaches applied to social problems- Human Rights Violation, Religious ethnic and religion problems. • social problems and their core reasons. • social problems using sociological theories. • relationship between social problems and social institutions. <p>(Family Counsellor, Community Service Worker, Welfare Rights Officer)</p>
BAPHI204	History-I (Ancient History of Indian (Post Mauryan to 1200 A.D.)	2016-17	<ul style="list-style-type: none"> • reconstruction of south Indian history with the help of Sangam literature • Identify and describe the different empires of India • Draw the maps showing the extension of Gupta rulers and their successors. • Visit the monuments of different empires. • Analyze socio-economic and religious life of different empires. • Appreciate the development of art, literature, Science and culture during Gupta period
BAPHI205	History-II (History of Rajasthan (1750 AD to 1956 AD)	2016-17	<ul style="list-style-type: none"> • Understand the Political, Social and Economic Situation of Rajasthan after 1750. • Identify and describe the different empires of Rajasthan • Identify the causes and impact of Maratha invasion on Rajasthan. • Draw the maps showing the extension of British paramount in Rajasthan • Visit the monuments of different empires. • Analyze the peasant's movement in Rajasthan • Enumerate the effect of Praja Mandal movement in Rajasthan • Appreciate the Unification of Rajasthan

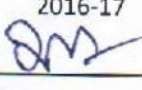

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BAPPS206	Political Science-I (Indian Political Thought)	2016-17	1. Critically Evaluate the Power Resources in Rajasthan 2. Locate Different Industries in the Map of Rajasthan
BAPPS207	Political Science-II (Indian Polity)	2016-17	Entrepreneurship/ Skill development
BAPEL208	English Literature –I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BAPEL209	English Literature –II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BAPGO210	Geography-I (Physical Geography-II)	2016-17	1. Analyze ocean tides, currents and marine resources 2. Understand climatic elements
BAPGO211	Geography-II (Geography of Rajasthan-II)	2016-17	1. Critically Evaluate the Power Resources in Rajasthan 2. Locate Different Industries in the Map of Rajasthan
BAPGO212P	Geography-III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPEC213	Economics –I (Indian Economy)	2016-17	Entrepreneurship/ Skill development
BAPEC214	Economics –II (Economy of Rajasthan)	2016-17	Entrepreneurship/ Skill development
BAPPY215	Psychology-I (Social Psychology)	2016-17	process and Agencies of Socialization, Leadership • Social problems: poverty, population and deprivation
BAPPY216	Psychology-II (Personality)	2016-17	• Assessment of personality: projective and non-projective techniques, • Defense Mechanism
BAPPY217P	Psychology-III (Practical)	2016-17	psychological tests to measure personalitiy, adjustment , leadership
BAPHL218	Hindi Literature –I (आधुनिक काव्य)	2016-17	Entrepreneurship/ Skill development
BAPHL219	Hindi Literature –II (प्रयोजनमूलक हिंदी)	2016-17	विज्ञापन व रेडियो लेखन, अनुवाद का विभिन्न क्षेत्रों में उपयोग
BAPDP220	Drawing and Painting –I(Art in Education, Culture and Society)	2016-17	Entrepreneurship/ Skill development
BAPDP221P	Drawing and Painting-II (Practical- Still Life)	2016-17	Entrepreneurship/ Skill development
BAPDP222P	Drawing and Painting –III (Practical- Nature study)	2016-17	Entrepreneurship/ Skill development
BAPHS223	Home Science –I (Human Development)	2016-17	<ul style="list-style-type: none"> • Transition from adolescence to adulthood • Developmental tasks of adulthood • Socio-emotional development; Relationships, Marriage and Parenting • Cognition and creativity: Work, Vocation and leisure • Developmental tasks of middle and late adulthood • Physical and physiological changes and aging • Diversity in roles and relationships Parenting growing children • Cultural perspective on aging and death


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BAPHS224	Home Science –II (Fundamental of Food and Nutrition)	2016-17	<p>dietary sources and clinical manifestations of deficiency/ excess of the following nutrients:</p> <ul style="list-style-type: none"> • Energy, Carbohydrates, lipids and proteins • Fat soluble vitamins-A, D, E and K • Water soluble vitamins – thiamine, riboflavin, niacin, pyridoxine, folate, vitamin B12 and vitamin C • Minerals – calcium, iron, zinc and iodine • Structure, composition, products, nutritional contribution, selection and changes during cooking of the following food groups: • Cereals • Pulses • Fruits and vegetables • Milk & milk products • Eggs • Meat, poultry and fish • Fats and Oils • Spices and herbs • Beverages <p>Dry, moist, frying and microwave cooking</p> <ul style="list-style-type: none"> • Advantages, disadvantages and the effect of various methods of cooking on foods • Preventing losses of nutrient during cooking • Improving nutritional quality of diets by Supplementation, Germination, Fermentation,
BAPHS225P	Home Science (Practical)	2016-17	Skill Development
BAPUL226	Urdu Literature –I	2016-17	Skill Development
BAPUL227	Urdu Literature-II	2016-17	Skill Development
BAPSL228	Sanskrit Literature –I	2016-17	Skill Development
BAPSL229	Sanskrit Literature-II	2016-17	Skill Development
BAPMU230	Music-I	2016-17	Skill Development
BAPMU231	Music-II	2016-17	Skill Development
BAPMU232P	Music (Practical)	2016-17	Skill Development
BAPGH301	General Hindi-I	2016-17	Skill Development
BAPSG302	Sociology (Survey Methods in Social Investigations)	2016-17	<p>Define and describe the scientific method</p> <p>Identify and differentiate between types of research methods, discussing the benefits and limitations of each, interpret and analyze data and charts.</p> <p>determine the significance of research findings.</p> <p>(Research Assistant, Market Research Analyst, Data Analyst)</p>
BAPSG303	Sociology (Environment and Society)	2016-17	<p>Impact of climate change and pollution on the environment and society, Sustainable development and the Sustainable Development Goals, Interactions between causes and consequences of environmental problems and human dependence on environmental infrastructures, History of the environmental movement (Geo-Political Risk Analyst, Journalist, Welfare Rights Officer, Work with NGOS)</p>

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BAPHI304	History (History of Medieval India : 1200 AD-1526 AD)	2016-17	<ul style="list-style-type: none"> Identify the sources of Medieval India Understand the foundation, expansion and consolidation of the Sultanate of Delhi Identify the causes the downfall of the Delhi Sultanate. Emergence of provincial dynasties & Consolidation of regional identities like, Bahamanis, Vijayanagar and Bengal. Acquire the knowledge about the Changing scenarios of the urban and rural societies after consolidation of the rule of the Sultanate of Delhi. Learn about the activities of Delhi Sultanate i.e., revenue systems monetization, market regulations, growth of urban centers, trade and commerce, Indian Ocean trade etc.
BAPHI305	History (Indian Society and Culture upto 1200 AD))	2016-17	<ul style="list-style-type: none"> Understand the concept of Cultural Revolution Understand the religious context of harappan and Vedic society Identify the key components of Ashok's dhamma Appreciate the art and Architecture of Mauryan and Shunga Era Art and Architecture of Southern India- Cholas, chakulayas and Pallavas Art and Architecture under Shungas, Kushanas and Satavhanas Gandhar Art
BAPPS306	Political Science(Indian Political Thoughts)	2016-17	Entrepreneurship/ Skill development
BAPPS307	Political Science (Indian Constitution)	2016-17	Entrepreneurship/ Skill development
BAPEL308	English Literature (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BAPEL309	English Literature (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BAPGO310	Geography (Human Geography-I)	2016-17	1.Explain Living Conditions and Culture of Different Tribes of World
BAPGO311	Geography (Geography of Resources -I)	2016-17	1.Reflect or the Exploitation of Various Natural Resources 2.Locate Different Minerals Resources in the World Map
BAPGO312P	Geography (Practical)	2016-17	Entrepreneurship/ Skill development
BAPEC313	Economics (Macro Economics-I)	2016-17	Entrepreneurship/ Skill development
BAPEC314	Economics (Macro Economics-II)	2016-17	Entrepreneurship/ Skill development
BAPPY315	Psychology (Psychopathology)	2016-17	Normality and Abnormality concept.Different types of mental disorder.Coping with stress.treatment of different disorder
BAPPY316	Psychology (Psychological Assessment and Statistics)	2016-17 	• Measures of Central Tendency: Mean, Median, Mode and correlation
BAPPY317P	Psychology (Practical)	2016-17	Identify mental illness through behavioural and psychological technique
BAPHL318	Hindi Literature (भक्तिकालीन काव्य)	2016-17	Entrepreneurship/ Skill development
BAPHL319	Hindi Literature (हिंदी विधाये)	2016-17	Entrepreneurship/ Skill development

BAPDP320	Drawing and Painting (History of Indian Painting and Sculpture)	2016-17	Entrepreneurship/ Skill development
BAPDP321P	Drawing and Painting (Practical –Landscape Painting)	2016-17	Entrepreneurship/ Skill development
BAPDP322P	Drawing and Painting(Practical – Composition)	2016-17	Entrepreneurship/ Skill development
BAPHS323	Home Science-I (Food and Nutrition)	2016-17	<ul style="list-style-type: none"> • Causes, symptoms, treatment, prevention of the following: • Protein Energy Malnutrition (PEM) • Vitamin A Deficiency (VAD) • Iron Deficiency Anaemia (IDA) • Iodine Deficiency Disorders (IDD) • Zinc Deficiency • Fluorosis Social health problems Smoking • Alcoholism • Drug addiction • AIDS including AIDS Control Programme • Introduction to Nutrition for physical fitness and sport • Feeding problems in children with special needs • Considerations during natural and man-made disasters e.g • Floods, war.- basic guidelines in disaster management. • Key terms, factors affecting food security, recent concern • Technologies for food and nutrition security
BAPHS324	Home Science-II(Child Development)	2016-17	<p>The effect of industrialization, urbanization, employment of women and socio-economic status. Family planning programmes in India.</p> <p>Demography and population dynamics in developed and developing countries, Indian population policy</p> <p>Special target groups for parent education; parents of young children, economically and socially backward, adopted, divorced, single and other needy parents living in urban, slum and rural areas, developmental problems and disability during childhood and adolescence</p>
BAPHS325P	Home Science (Practical)	2016-17	Entrepreneurship/ Skill development
BAPUL326	Urdu Literature –I	2016-17	Entrepreneurship/ Skill development
BAPUL327	Urdu Literature –II	2016-17	Entrepreneurship/ Skill development
BAPSL328	Sanskrit Literature –I	2016-17	Entrepreneurship/ Skill development
BAPSL329	Sanskrit Literature –II	2016-17	Entrepreneurship/ Skill development
BAPMU330	Music -I	2016-17	Entrepreneurship/ Skill development
BAPMU331	Music -II	2016-17	Entrepreneurship/ Skill development
BAPMU332P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPGH401	General Hindi –II	2016-17	Entrepreneurship/ Skill development


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BAPSG402	Sociology-I (Rural Sociology)	2016-17	<ul style="list-style-type: none"> Local and global context of agricultural and rural development processes. Institutions and policy approaches of social organization of rural life. Implications of social and environmental change for rural people. Agricultural and rural development paradigms. Impact of urbanization on agricultural and rural development. (Social Worker, Journalist, Work with NGOs Welfare Rights Officer)
BAPSG403	Sociology-II (Social Change in India)	2016-17	<ul style="list-style-type: none"> social change. Social Mobility Processes of social change-• Evolution, Progress and Development factors of social change-• The Five Year Plans, Community development programme, women Empowerment diversity in society. (Community Service Worker, Rehabilitation Counsellor Family Counsellor Social Worker)
BAPHI404	History-I History of Medieval India : 1526 AD-1707AD)	2016-17	<ul style="list-style-type: none"> Understand modern Indian history Identify the importance and the legacy of Freedom Movement. Distinguish the detail account of British raj as well as its overall impacts on the Indian society. Evaluate the renaissance and social reform movement in India. Understand some of the early resistance to British rule.
BAPHI405	History-II (Indian Society and Culture in Medieval Period)	2016-17	<ul style="list-style-type: none"> Discuss the major developments in European politico-economic scenario since the Renaissance. Understand the major revolutions. Analyze the economic development in 16th century Explain Napoleon and his continental system Understand the causes and results of major battles.
BAPPS406	Political Science-I (Representative Western Political Thinkers)	2016-17	Entrepreneurship/ Skill development
BAPPS407	Political Science-II (State Polity of Rajasthan)	2016-17	Entrepreneurship/ Skill development
BAPEL408	English Literature –I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BAPEL409	English Literature –II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BAPGO410	Geography-I (Human Geogrpahy-II)	2016-17	1. Compare the Population Composition of India with other Countries of Asia
BAPGO411	Geography-II (Geography of Ressources-II)	2016-17	1. Locate and Define the Major Resources Regions of the World 2. Participate in the Conservation of Resources
BAPGO412P	Geography-III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPEC413	Economics –I (Public Finance)	2016-17	Entrepreneurship/ Skill development
BAPEC414	Economics –II (Statistics for Economic Analysis)	2016-17	Entrepreneurship/ Skill development

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BAPPY415	Psychology-I (Experimental Psychology-I)	2016-17	conduction of experiments in psychology,Laws of perception organization,perception of distance and depth,types of memory and causes of forgetting
BAPPY416	Psychology-II (Experimental Psychology-II)	2016-17	uses of psychophysics in daily life,tranfer of learning,reasoning
BAPPY417P	Psychology-III (Practical)	2016-17	Experiments related to methods of classical psychophysics
BAPHL418	Hindi Literature –I (Natak Tatha Nibandh)	2016-17	नाटक की विधा व उसके तत्वों का ज्ञान
BAPHL419	Hindi Literature –II (Bhasha Vigyan)	2016-17	Entrepreneurship/ Skill development
BAPDP420	Drawing and Painting –I(History of Indian Painting and Sculpture- II)	2016-17	Entrepreneurship/ Skill development
BAPDP421P	Drawing and Painting-II (Practical- Landscape)	2016-17	Entrepreneurship/ Skill development
BAPDP422P	Drawing and Painting - III (Practical- Composition)	2016-17	Entrepreneurship/ Skill development
BAPHS423	Home Science-I (Home Science Education and Extension)	2016-17	<p>Functions and Role of communications.</p> <ul style="list-style-type: none"> • Audio Visual Aids - Posters, Charts, Flash cards, Puppets <p>Community Health, Positive Health, Good Health and Factors affecting health.</p> <ul style="list-style-type: none"> • Immunity and types of immunization • Immunization schedule • Diseases - Carriers of infection, symptoms, incubation period, treatment and preventive measures of - Diphtheria, Whooping cough, Tetanus, Cholera, Tuberculosis, AIDS, Hepatitis B <p>Safety measures at home and simple first - aid for Burns, Poisons, Electric Shocks, hemorrhage or bleeding, Drowning, Unconsciousness, Fractures, Insect bites, Snake bite, Epitasis or Nose bleeding, Sunstrokes and Sprains.</p>


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BAPHS424	Home Science-II(Textile Designing and Apparel Making)	2016-17	<ul style="list-style-type: none"> • General Properties of Textile fibers. 3 Types of Spinning and Processes involved in it. • Mechanical Spinning. (Cotton) • Chemical Spinning. • Types of Yarns: • Simple Yarns • Novelty Yarns <p>Dyeing: • Types of Dyes and Pigments • Methods of Dying.</p> <p>2 Printing: Type of Printing: • Hand Printing-Block, Stencil and Screen. • Machine Printing-Roller and Their Types.</p> <p>3 Types of Tie and Dye and Batik in brief. 4 Finishing: • Importance and Classification of finishing: Physical process-Calendar, Shrinking, Embossing, Weighting, Moirer o Chemical Process-Mercerizing, Wrinkle-resistant, Water Proofing, Wash and Wear, Mothproofing, Flame-Protecting</p> <p>Pattern Making: • Flat patterns. -Application, Merit and Demerits. • Draping. -Application, Merits and Demerits.</p> <p>3 Fitting of Garments • Factors affecting good fit • Problems and remedies.</p>
BAPHS425P	Home Science-III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPUL426	Urdu Literature -I	2016-17	Entrepreneurship/ Skill development
BAPUL427	Urdu Literature -II	2016-17	Entrepreneurship/ Skill development
BAPSL428	Sanskrit Literature -I	2016-17	Entrepreneurship/ Skill development
BAPSL429	Sanskrit Literature -II	2016-17	Entrepreneurship/ Skill development
BAPMU430	Music -I	2016-17	Entrepreneurship/ Skill development
BAPMU431	Music -II	2016-17	Entrepreneurship/ Skill development
BAPMU432P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPEE501	Environmental Education	2016-17	Entrepreneurship/ Skill development
BAPSG502	Sociology-I (Population Studies)	2016-17	<ul style="list-style-type: none"> • Population dynamics. • Mortality and fertility Rate of India. • Population theories to explain past and Present population characteristics. • Contemporary socio-economic issues in the context of Population theories. • Population policy of India and its impact. <p>(Census Worker,Policy Analyst,Human Resource Representative)</p>
BAPSG503	Sociology-II (Classical Socio Thinkers)	2016-17	<ul style="list-style-type: none"> • Social thought of Auguste comte , Marxian, Durkheimian , and Weberian on social world. • Foundations of classical sociology and their historical origins. • The relevance of classic theories to analyze contemporary social problems. <p>(Social Critic.Social Worker.Journalist.Lawyer)</p>
BAPHI504	History-I (Modern History of India -1757 to 1857)	2016-17	<ul style="list-style-type: none"> • Identify the impact of East India company on India • Identify the causes of emergence of Nationalism • Evaluate the impact of revolutionary nationalism on Indian Nationalism • Assess and analyze the contribution of leaders in national movement. • Evaluate the movement held between 1900 to 1947.

BAPHI505	History-II (World History – 1453 to 1815)	2016-17	<ul style="list-style-type: none"> • Understand the political, social and economic condition of Europe between 1815-1945. • Understand the causes and effects of two major world wars. • Identify the factors influencing the political rivalry between the nations. • Draw maps and charts. • Understand the process of unification of Germany and Italy. • Explain the formation of United Nation and also understand its relevance. • Read the documents and produce their own historical analysis.
BAPPS506	Political Science-I (Western Political Thinkers)	2016-17	Entrepreneurship/ Skill development
BAPPS507	Political Science-I (International Relations)	2016-17	Entrepreneurship/ Skill development
BAPEL508	English Literature-I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BAPEL509	English Literature-II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BAPGO510	Geography-I (World Geography - I)	2016-17	1.Read, Interpret, and Generate Maps and other Geographic Representations of India 2.Make Optimal use of Natural Resources of India
BAPGO511	Geography-II (Agriculture Geography)	2016-17	1.Read, Interpret and Generate Maps and Other Geographic Representation of Asia
BAPGO512P	Geography (Practical)	2016-17	Entrepreneurship/ Skill development
BAPEC513	Economics-I (Development Economics-I)	2016-17	Entrepreneurship/ Skill development
BAPEC514	Economics-II (Development Economics-II)	2016-17	Entrepreneurship/ Skill development
BAPPY515	Psychology-I (Child Psychology)	2016-17	Language ,social, cognitive development of childhood • Hazards and Happiness of early and late childhood.
BAPPY516	Psychology-II (Adolescent Psychology)	2016-17	Development task of adolescent period
BAPPY517P	Psychology (Practical)	2016-17	behavioural and psychometric tests to measure to understand childhood and adolescent period
BAPHL518	Hindi Literature-I (हिंदी पद्य)	2016-17	Entrepreneurship/ Skill development
BAPHL519	Hindi Literature-II (रीतिकालीन काव्य)	2016-17	Entrepreneurship/ Skill development
BAPDP520	Drawing and Painting (History of Ancient Art and Western Art)	2016-17	Entrepreneurship/ Skill development
BAPDP521P	Drawing and Painting (Practical – Anatomy)	2016-17	Entrepreneurship/ Skill development
BAPDP522P	Drawing and Painting(Practical- Study from life)	2016-17	Entrepreneurship/ Skill development

BAPHS523	Home Science (Fundamentals of A/D)	2016-17	Colours in Interior Decoration a) Concept of Colour b) Colour Hue c) Colour Scheme d) Colour Wheel Flower Arrangement a) Concept and Importance b) Materials and Equipment's used c) Types of Flower Arrangement
BAPHS524	Home Science (Interior Decoration)	2016-17	<ul style="list-style-type: none"> • Elements of design and their effects- Line, shape, Color and Texture. • Principles of design and their effects- Proportion, Balance, Emphasis, Rhythm, Harmony • Garment Silhouettes • Theories of origin of clothing, Functions of clothing • Individuality and conformity, conspicuous consumption and emulation <p>couture, Prêt-a-porter, Knockoff, Accessory, Toile, Atelier, Boutique, Avant Garde, Empire line, Season • Sources of design inspiration- printed and electronic media, web resources, historic/traditional costumes, travel, fabrics, nature, streets, architecture, awareness</p> <ul style="list-style-type: none"> • Fashion cycle • Consumer identification with fashion life cycle – fashion leaders, fashion followers, fashion victims, fashion laggards • Theories of Fashion adoption – trickle down, trickle up, trickle across • Factors favouring and retarding fashion • Women's fashion categories in terms of style, size, price • Women's fashion categories in terms of style, size, price • Major Milestones of 20th century fashion. • Major fashion centers of the world and their leading designers and brands- Paris, Milan, Tokyo, New York,
BAPHS525P	Home Science Practical	2016-17	Entrepreneurship/ Skill development
BAPUL526	Urdu Literature –I	2016-17	Entrepreneurship/ Skill development
BAPUL527	Urdu Literature –II	2016-17	Entrepreneurship/ Skill development
BAPSL528	Sanskrit Literature –I	2016-17	Entrepreneurship/ Skill development
BAPSL529	Sanskrit Literature –II	2016-17	Entrepreneurship/ Skill development
BAPMU530	Music -I	2016-17	Entrepreneurship/ Skill development
BAPMU531	Music -II	2016-17	Entrepreneurship/ Skill development
BAPMU532P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPCE601	Computer Application in Education	2016-17	Entrepreneurship/ Skill development
BAPSG602	Sociology-I (Indian Sociological Thinkers)	2016-17	<ul style="list-style-type: none"> • Indian thinkers and their ideas in each of the major emerging paradigms in Indian sociology • sociological concepts and theories developed by Indian sociological thinkers-Social values and social ecology, Dialectics of Tradition and modernity, Development of art and Literature ,Dominant Caste, Sanskritization and Westernization,Modernization of Indian tradition, Culture change in India (Media Planner,Teacher,Public Relation Specialist)

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BAPSG603	Sociology-II (Introducing Sub-Sociologies)	2016-17	<ul style="list-style-type: none"> • Urban Sociology-Urbanisation Migration • Socio-developmental issues-Slums,Environmental ProblemsDisplacement-Rehabilitation, Development and Human Rights • achievement of the sustainable cities of communities-Modernization, Sustainable Development • policies and programs of urban social development-Sawach Bharat Abhiyan, National Defecation campaign ,Mid Day Meal Sukanya Samriddhi Yojna, Balika Samridhi Yojna, Bhamashah Yojn <p>(Human Resource Representative,Welfare Rights Officer , Social Worker,PolicyAnalyst,Rehabilitation Counsellor)</p>
BAPHI604	History-I (History of Modern India - 1857 AD-1999 AD))	2016-17	<ul style="list-style-type: none"> • Identify the impact of East India company on India • Identify the causes of emergence of Nationalism • Evaluate the impact of revolutionary nationalism on Indian Nationalism • Assess and analyze the contribution of leaders in national movement. • Evaluate the movement held between 1900 to 1947.
BAPHI605	History-II World History (1815 AD- 1945 AD)	2016-17	<ul style="list-style-type: none"> • Understand the political, social and economic condition of Europe between 1815-1945. • Understand the causes and effects of two major world wars. • Identify the factors influencing the political rivalry between the nations. • Draw maps and charts. • Understand the process of unification of Germany and Italy. • Explain the formation of United Nation and also understand its relevance. • Read the documents and produce their own historical analysis
BAPPS606	Political Science-I (Challenges to Democracy)	2016-17	Entrepreneurship/ Skill development
BAPPS607	Political Science-II (Modern Political Theory)	2016-17	Entrepreneurship/ Skill development
BAPEL608	English Literature-I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BAPEL609	English Literature-II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BAPGO610	Geography-I (World Geography-II)	2016-17	1.Differentiate the Crops of India 2.Locate and Define the Types of Settlements in India
BAPGO611	Geography-II (Climatology and Oceanography)	2016-17	locate and define the major Mineral's Regions of Japan, China, Pakistan and Turkey
BAPGO612P	Geography -III (Practical)	2016-17	Entrepreneurship/ Skill development
BAPEC613	Economics-I (Money and Banking)	2016-17	Entrepreneurship/ Skill development
BAPEC614	Economics-II (International Economics)	2016-17	Entrepreneurship/ Skill development

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BAPPY615	Psychology-I (Managing Stress , Health and Well being)	2016-17	Coping of stress, components and goals of health psychology, different aspects of well being
BAPPY616	Psychology-II (Counselling Psychology)	2016-17	Approaches of counselling , process of counselling, Applications of counselling
BAPPY617P	Psychology-III (Practical)	2016-17	Psychological tests to measure stress and well being
BAPHL618	Hindi Literature-I ((आधुनिक काल)	2016-17	Entrepreneurship/ Skill development
BAPHL619	Hindi Literature-II (उपन्यास एवं एकांकी)	2016-17	Entrepreneurship/ Skill development
BAPDP620	Drawing and Painting-I (Art and Culture of Far East)	2016-17	Entrepreneurship/ Skill development
BAPDP621P	Drawing and Painting-II (Practical-Anatomy)	2016-17	Entrepreneurship/ Skill development
BAPDP622P	Drawing and Painting-III (Practical-Study from Life)	2016-17	Entrepreneurship/ Skill development
BAPHS623	Home Science-I (Advanced Fruit And Vegetable Preservation Technology)	2016-17	<p>Three basic categories of life skills-</p> <ul style="list-style-type: none"> • Social or interpersonal skills (Communication Skills, Assertiveness Skills, Cooperation Skills, Empathy) • Cognitive or thinking skills (Problem Solving, Critical Thinking, Creative Thinking, Decision Making, Self-Awareness) • Emotional skills (Managing Stress, Managing Emotions, Resisting peer pressure) <p>Communication skills-</p> <ul style="list-style-type: none"> • Meaning and definition • Types and levels of communication • Barriers to communication • Ways to improve interpersonal communication and public speaking <p>Need and importance of career guidance, exploring career options, deciding a career, career guidance center, resume writing, job search method and interview facing.</p>
BAPHS624	Home Science-II (Food Safety, Hygiene And Quality Testing)	2016-17	<p>FSSAI standards and regulations</p> <ul style="list-style-type: none"> • Food additives and contaminants • Hygiene and sanitation • HACCP Methods of Preservation • Asepsis • Low temperature • High temperature • Removal of moisture • Use of chemical preservatives • Fermentation • Irradiation • Newer methods
BAPHS625P	Home Science-III(Practical)	2016-17	Entrepreneurship/ Skill development
BAPUL626	Urdu Literature –I	2016-17	Entrepreneurship/ Skill development
BAPUL627	Urdu Literature –II	2016-17	Entrepreneurship/ Skill development
BAPSL628	Sanskrit Literature –I	2016-17	Entrepreneurship/ Skill development
BAPSL629	Sanskrit Literature –II	2016-17	Entrepreneurship/ Skill development

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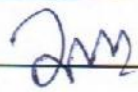
BAPSL630	Music -I	2016-17	Entrepreneurship/ Skill development
BAPSL631	Music -II	2016-17	Entrepreneurship/ Skill development
BAPSL632P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED101	Essential Language Skills-I +A274:B306	2016-17	Entrepreneurship/ Skill development
BABED102	Sociology-I (Introduction to Sociology)	2016-17	<ul style="list-style-type: none"> • Sociological theories. • Explain processes of socialization. • Inter-dependence of social institution. • linkages of Sociology with other Social Sciences (Social Worker, Good Teacher, Social Critic)
BABED103	Sociology-II (Indian Society)	2016-17	<ul style="list-style-type: none"> • The pluralistic nature of society. • Inequalities existing in the society. • Need of sociological reasoning. • Colonial view of Indian society and the growth of sociology in India. ((Family Counsellor, Community Service Worker, Guidance Counsellor)
BABED104	History-I (Ancient History of India- Early times to 185 BC)	2016-17	Paleolithic cultures- sequence and distribution; stone industries and other technological developments Mesolithic cultures- regional and chronological distribution; new developments in technology and economy; rock art. Understanding the regional and chronological distribution of the Neolithic and Chalcolithic cultures: subsistence, and patterns of exchange
BABED105	History-II (History of Rajasthan- Early Times to 1750 AD)	2016-17	A survey of the sources of the history of Rajasthan. Paleolithic and Mesolithic and Neolithic age in Rajasthan A brief survey of the main features of the society and culture in Rajasthan. (1200-1750AD). Meera and Dadu. Art and architecture-fort architecture, temples. Religion
BABED106	Political Science-I (Introduction to Political Science)	2016-17	Entrepreneurship/ Skill development
BABED107	Political Science-II (Introduction to Political Theory)	2016-17	Entrepreneurship/ Skill development
BABED108	English Literature –I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BABED109	English Literature –II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BABED110	Geography-I (Physical Geography)	2016-17	Entrepreneurship/ Skill development
BABED111	Geography-II (Geography of Rajasthan)	2016-17	Entrepreneurship/ Skill development
BABED112P	Geography-III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED113	Economics –I (Micro Economics- Basics)	2016-17	Entrepreneurship/ Skill development
BABED114	Economics –II (Micro Economics -Advanced)	2016-17	Entrepreneurship/ Skill development
BABED115	Psychology-I (Introduction to Psychology)	2016-17	Entrepreneurship/ Skill development
BABED116	Psychology-II (Human Development)	2016-17	Entrepreneurship/ Skill development


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BABED117P	Psychology -III(Practical)	2016-17	Entrepreneurship/ Skill development
BABED118	Hindi Literature-I (हिंदी भाषा का उद्भव एवं विकास)	2016-17	Entrepreneurship/ Skill development
BABED119	Hindi Literature-II (भारतीय काव्यशास्त्र)	2016-17	Entrepreneurship/ Skill development
BABED120	Drawing and Painting –I(Fundamental of Visual Art and Indian Folk Art)	2016-17	Entrepreneurship/ Skill development
BABED121P	Drawing and Painting-II (Practical- Rendering)	2016-17	Entrepreneurship/ Skill development
BABED122P	Drawing and Painting - III (Practical- Still Life)	2016-17	Entrepreneurship/ Skill development
BABED123	Home Science-I (Physiology / Applied Life Science)	2016-17	Family housing needs- Protective, economic and social. Factors effecting selection and purchase of site for house building- legal aspects, location, physical features, soil conditions, cost, service. Arrangement of rooms and kitchen. Design- Decoration and structural. Colour- properties, classification and colour schemes. Furniture- types, styles and arrangement. Lighting - types, styles and arrangement. Flower arrangement- types, styles and arrangement Accessories - types, styles and arrangement.
BABED124	Home Science-II (Family Resource Management & Housing)	2016-17	<ul style="list-style-type: none"> • Digestive System – Structure and functions of different parts of alimentary canal. • Digestive glands – their location and secretion. • Structure and function of Sex glands and organs including hormones • Menstrual Cycle • Physiology of pregnancy, parturition, lactation and menopause • Muscular-Skeletal System • Types of muscles, functions • Skeletal System- formation of bone and teeth
BABED125P	Home Science-III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED126	Urdu Literature –I	2016-17	Entrepreneurship/ Skill development
BABED127	Urdu Literature –II	2016-17	Entrepreneurship/ Skill development
BABED128	Sanskrit Literature-I	2016-17	Entrepreneurship/ Skill development
BABED129	Sanskrit Literature-II	2016-17	Entrepreneurship/ Skill development
BABED130	Music -I	2016-17	Entrepreneurship/ Skill development
BABED131	Music -II	2016-17	Entrepreneurship/ Skill development
BABED132P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED133	Childhood and Growing Up	2016-17	Entrepreneurship/ Skill development
BABED134	Yoga ,Health and Personality (Theory)	2016-17	Entrepreneurship/ Skill development
BABED135P	Yoga ,Health and Personality (Practical)	2016-17	Entrepreneurship/ Skill development
BABED201	Essential Language Skills-II	2016-17	Entrepreneurship/ Skill development

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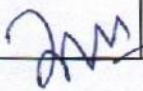
BABED202	Sociology-I (Society, Culture and Globalization)	2016-17	<ul style="list-style-type: none"> • The role of culture in social inequalities. • Approaches to globalization and development. • Social, political, cultural, and economic aspects of globalization ▪ The impacts on society at local and global levels. • Structure and Composition of Indian Society (Social Worker, Good Teacher, Social Critic)
BABED203	Sociology-II (Social Problems in India)	2016-17	<ul style="list-style-type: none"> • Basic theoretical approaches applied to social problems- Human Rights Violation, Religious ethnic and religion problems. • social problems and their core reasons. • social problems using sociological theories. • relationship between social problems and social institutions. <p>(Family Counsellor, Community Service Worker, Welfare Rights Officer)</p>
BABED204	History-I (Ancient History of Indian (Post Mauryan to 1200 A.D.)	2016-17	<ul style="list-style-type: none"> • reconstruction of south Indian history with the help of Sangam literature • Identify and describe the different empires of India • Draw the maps showing the extension of Gupta rulers and their successors. • Visit the monuments of different empires. • Analyze socio-economic and religious life of different empires. • Appreciate the development of art, literature, Science and culture during Gupta period
BABED205	History-II (History of Rajasthan (1750 AD to 1956 AD)	2016-17	<ul style="list-style-type: none"> • Understand the Political, Social and Economic Situation of Rajasthan after 1750. • Identify and describe the different empires of Rajasthan • Identify the causes and impact of Maratha invasion on Rajasthan. • Draw the maps showing the extension of British paramount in Rajasthan • Visit the monuments of different empires. • Analyze the peasant's movement in Rajasthan • Enumerate the effect of Praja Mandal movement in Rajasthan • Appreciate the Unification of Rajasthan
BABED206	Political Science-I (Indian Political Thought)	2016-17	Entrepreneurship/ Skill development
BABED207	Political Science-II (Indian Polity)	2016-17	Entrepreneurship/ Skill development
BABED208	English Literature –I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BABED209	English Literature –II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BABED210	Geography-I (Physical Geography-II)	2016-17	Entrepreneurship/ Skill development
BABED211	Geography-II (Geography of Rajasthan-II)	2016-17	Entrepreneurship/ Skill development
BABED212P	Geography-III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED213	Economics –I (Indian Economy)	2016-17	Entrepreneurship/ Skill development


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BABED214	Economics –II (Economy of Rajasthan)	2016-17	Entrepreneurship/ Skill development
BABED215	Psychology-I (Social Psychology)	2016-17	Entrepreneurship/ Skill development
BABED216	Psychology-II (Personality)	2016-17	Entrepreneurship/ Skill development
BABED217P	Psychology-III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED218	Hindi Literature –I (आधुनिक काव्य)	2016-17	Entrepreneurship/ Skill development
BABED219	Hindi Literature –II (प्रयोजनमूलक हिंदी)	2016-17	Entrepreneurship/ Skill development
BABED220	Drawing and Painting –I(Art in education, culture and society)	2016-17	Entrepreneurship/ Skill development
BABED221P	Drawing and Painting-II (Practical- Still Life)	2016-17	Entrepreneurship/ Skill development
BABED222P	Drawing and Painting - III (Practical- Nature study)	2016-17	Entrepreneurship/ Skill development
BABED223	Home Science -I (Human Development)	2016-17	<ul style="list-style-type: none"> • Transition from adolescence to adulthood • Developmental tasks of adulthood • Socio-emotional development; Relationships, Marriage and Parenting • Cognition and creativity: Work, Vocation and leisure • Developmental tasks of middle and late adulthood • Physical and physiological changes and aging • Diversity in roles and relationships Parenting growing children • Cultural perspective on aging and death
BABED224	Home Science -II (Fundamental of Food and Nutrition)	2016-17	<p>dietary sources and clinical manifestations of deficiency/ excess of the following nutrients:</p> <ul style="list-style-type: none"> • Energy, Carbohydrates, lipids and proteins • Fat soluble vitamins-A, D, E and K • Water soluble vitamins – thiamine, riboflavin, niacin, pyridoxine, folate, vitamin B12 and vitamin C • Minerals – calcium, iron, zinc and iodine • Structure, composition, products, nutritional contribution, selection and changes during cooking of the following food groups: • Cereals • Pulses • Fruits and vegetables • Milk & milk products • Eggs • Meat, poultry and fish • Fats and Oils • Spices and herbs • Beverages <p>Dry, moist, frying and microwave cooking</p> <ul style="list-style-type: none"> • Advantages, disadvantages and the effect of various methods of cooking on foods • Preventing losses of nutrient during cooking • Improving nutritional quality of diets by Supplementation, Germination, Fermentation,


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BABED225P	Home Science (Practical)	2016-17	Entrepreneurship/ Skill development
BABED226	Urdu Literature -I	2016-17	Entrepreneurship/ Skill development
BABED227	Urdu Literature-II	2016-17	Entrepreneurship/ Skill development
BABED228	Sanskrit Literature -I	2016-17	Entrepreneurship/ Skill development
BABED229	Sanskrit Literature -II	2016-17	Entrepreneurship/ Skill development
BABED230	Music -I	2016-17	Entrepreneurship/ Skill development
BABED231	Music -II	2016-17	Entrepreneurship/ Skill development
BABED232P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED233	Teaching and Learning	2016-17	<ul style="list-style-type: none"> • Teaching as an Art and Science. • Teaching as a Job, Occupation, Profession & Religion • Humane & Professional Teachers • Teacher as a purveyor & facilitator of knowledge • Skills & Competencies of a Teacher • Status of Teaching as a Profession • Teaching: Mapping & Management • Constructivist approach and models of teaching • Levels and phases of teaching
BABED301	General Hindi-I	2016-17	Entrepreneurship/ Skill development
BABED302	Sociology (Survey Methods in Social Investigations)	2016-17	<p>Define and describe the scientific method Identify and differentiate between types of research methods, discussing the benefits and limitations of each, interpret and analyze data and charts. determine the significance of research findings. (Research Assistant, Market Research Analyst, Data Analyst)</p>
BABED303	Sociology (Environment and Society)	2016-17	<p>Impact of climate change and pollution on the environment and society, Sustainable development and the Sustainable Development Goals, Interactions between causes and consequences of environmental problems and human dependence on environmental infrastructures, History of the environmental movement (Geo-Political Risk Analyst, Journalist, Welfare Rights Officer, Work with NGOS)</p>
BABED304	History (History of Medieval India : 1200 AD-1526 AD)	2016-17	<ul style="list-style-type: none"> • Identify the sources of Medieval India • Understand the foundation, expansion and consolidation of the Sultanate of Delhi • Identify the causes the downfall of the Delhi Sultanate. • Emergence of provincial dynasties & Consolidation of regional identities like, Bahamanis, Vijayanagar and Bengal. • Acquire the knowledge about the Changing scenarios of the urban and rural societies after consolidation of the rule of the Sultanate of Delhi. • learn about the activities of Delhi Sultanate i.e., revenue systems monetization, market regulations, growth of urban centers, trade and commerce, Indian Ocean trade etc.


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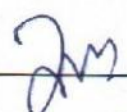
BABED305	History (Indian Society and Culture upto 1200 AD))	2016-17	<ul style="list-style-type: none"> • Understand the concept of Cultural Revolution • Understand the religious context of harappan and Vedic society • Identify the key components of Ashok's dhamma • Appreciate the art and Architecture of Mauryan and Shunga Era • Art and Architecture of Southern India- Cholas, chakulayas and Pallavas • Art and Architecture under Shungas, Kushanas and Satavhanas Gandhar Art
BABED306	Political Science (Indian Constitution)	2016-17	Entrepreneurship/ Skill development
BABED307	Political Science (Indian Political Thoughts)	2016-17	Entrepreneurship/ Skill development
BABED308	English Literature (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BABED309	English Literature (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BABED310	Geography (Human Geography-I)	2016-17	Entrepreneurship/ Skill development
BABED311	Geography (Geography of Resources -I)	2016-17	Entrepreneurship/ Skill development
BABED312P	Geography (Practical)	2016-17	Entrepreneurship/ Skill development
BABED313	Economics (Macro Economics-I)	2016-17	Entrepreneurship/ Skill development
BABED314	Economics (Macro Economics-II)	2016-17	Entrepreneurship/ Skill development
BABED315	Psychology (Psychopathology)	2016-17	Entrepreneurship/ Skill development
BABED316	Psychology (Psychological Assessment and Statistics)	2016-17	Entrepreneurship/ Skill development
BABED317P	Psychology (Practical)	2016-17	Entrepreneurship/ Skill development
BABED318	Hindi Literature (भक्तिकालीन काव्य)	2016-17	Entrepreneurship/ Skill development
BABED319	Hindi Literature (हिंदी विधाये)	2016-17	Entrepreneurship/ Skill development
BABED320	Drawing and Painting (History of Indian Painting and Sculpture)	2016-17	Entrepreneurship/ Skill development
BABED321P	Drawing and Painting (Practical -Landscape Painting)	2016-17	Entrepreneurship/ Skill development
BABED322P	Drawing and Painting(Practical – Composition)	2016-17	Entrepreneurship/ Skill development


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BABED323	Home Science-I (Food and Nutrition)	2016-17	<ul style="list-style-type: none"> • Causes, symptoms, treatment, prevention of the following: • Protein Energy Malnutrition (PEM) • Vitamin A Deficiency (VAD) • Iron Deficiency Anaemia (IDA) • Iodine Deficiency Disorders (IDD) • Zinc Deficiency • Fluorosis <p>Social health problems Smoking</p> <ul style="list-style-type: none"> • Alcoholism • Drug addiction • AIDS including AIDS Control Programme • Introduction to Nutrition for physical fitness and sport • Feeding problems in children with special needs • Considerations during natural and man-made disasters e.g • Floods, war.- basic guidelines in disaster management. • Key terms, factors affecting food security, recent concern • Technologies for food and nutrition security
BABED324	Home Science-II(Child Development)	2016-17	<p>The effect of industrialization, urbanization, employment of women and socio-economic status. Family planning programmes in India.</p> <p>Demography and population dynamics in developed and developing countries, Indian population policy</p> <p>Special target groups for parent education; parents of young children, economically and socially backward, adopted, divorced, single and other needy parents living in urban, slum and rural areas, developmental problems and disability during childhood and adolescence</p>
BABED325P	Home Science (Practical)	2016-17	Entrepreneurship/ Skill development
BABED326	Urdu Literature -I	2016-17	Entrepreneurship/ Skill development
BABED327	Urdu Literature -II	2016-17	Entrepreneurship/ Skill development
BABED328	Sanskrit Literature-I	2016-17	Entrepreneurship/ Skill development
BABED329	Sanskrit Literature-II	2016-17	Entrepreneurship/ Skill development
BABED330	Music -I	2016-17	Entrepreneurship/ Skill development
BABED331	Music -II	2016-17	Entrepreneurship/ Skill development
BABED332P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED333	Knowledge and Curriculum	2016-17	Entrepreneurship/ Skill development
BABED401	General Hindi -II	2016-17	Entrepreneurship/ Skill development
BABED402	Sociology-I (Rural Sociology)	2016-17	<ul style="list-style-type: none"> • Local and global context of agricultural and rural development processes. • Institutions and policy approaches of social organization of rural life. • Implications of social and environmental change for rural people. • Agricultural and rural development paradigms. • Impact of urbanization on agricultural and rural development.(Social Worker,Journalist,Work with NGOS Welfare Rights Officer)

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BABED403	Sociology-II (Social Change in India)	2016-17	<ul style="list-style-type: none"> • social change. • Social Mobility • Processes of social change-• Evolution, Progress and Development • factors of social change-• The Five Year Plans, Community development programme, women Empowerment • diversity in society. (Community Service Worker, Rehabilitation Counsellor Family Counsellor Social Worker)
BABED404	History-I (History of Medieval India- 1526-1757)	2016-17	<ul style="list-style-type: none"> • Understand modern Indian history • Identify the importance and the legacy of Freedom Movement. • Distinguish the detail account of British raj as well as its overall impacts on the Indian society. • Evaluate the renaissance and social reform movement in India. • Understand some of the early resistance to British rule.
BABED405	History-II (Indian Society and Culture in Medieval India)	2016-17	<ul style="list-style-type: none"> • Discuss the major developments in European politico-economic scenario since the Renaissance. • Understand the major revolutions. • Analyze the economic development in 16th century • Explain Napoleon and his continental system • Understand the causes and results of major battles.
BABED406	Political Science-I (Representative Western Political Thinkers)	2016-17	Entrepreneurship/ Skill development
BABED407	Political Science-II (State Polity of Rajasthan)	2016-17	Entrepreneurship/ Skill development
BABED408	English Literature –I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BABED409	English Literature –II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BABED410	Geography-I (Human Geography-II)	2016-17	Entrepreneurship/ Skill development
BABED411	Geography-II (Geography of Resources-II)	2016-17	Entrepreneurship/ Skill development
BABED412P	Geography-III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED413	Economics –I (Public Finance)	2016-17	Entrepreneurship/ Skill development
BABED414	Economics –II (Statistics for Economic Analysis)	2016-17	Entrepreneurship/ Skill development
BABED415	Psychology-I (Experimental Psychology-I)	2016-17	Entrepreneurship/ Skill development
BABED416	Psychology-II (Experimental Psychology-II)	2016-17	Entrepreneurship/ Skill development
BABED417P	Psychology-III(Practical)	2016-17	Entrepreneurship/ Skill development


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BABED418	Hindi Literature –I (Natak Tatha Nibandh)	2016-17	Entrepreneurship/ Skill development
BABED419	Hindi Literature –II (Bhasha Vigyan)	2016-17	Entrepreneurship/ Skill development
BABED420	Drawing and Painting –I(History of Indian Painting and Sculpture- II)	2016-17	Entrepreneurship/ Skill development
BABED421P	Drawing and Painting- II(Practical- Landscape)	2016-17	Entrepreneurship/ Skill development
BABED422P	Drawing and Painting - III (Practical- Composition)	2016-17	Entrepreneurship/ Skill development
BABED423	Home Science-I (Home Science Education and Extension)	2016-17	<p>Functions and Role of communications.</p> <ul style="list-style-type: none"> • Audio Visual Aids - Posters, Charts, Flash cards, Puppets <p>Community Health, Positive Health, Good Health and Factors affecting health.</p> <ul style="list-style-type: none"> • Immunity and types of immunization • Immunization schedule • Diseases - Carriers of infection, symptoms, incubation period, treatment and preventive measures of - Diphtheria, Whooping cough, Tetanus, Cholera, Tuberculosis, AIDS, Hepatitis B <p>Safety measures at home and simple first - aid for Burns, Poisons, Electric Shocks, hemorrhage or bleeding, Drowning, Unconsciousness, Fractures, Insect bites, Snake bite, Epitasis or Nose bleeding, Sunstrokes and Sprains.</p>
BABED424	Home Science-II(Textile Designing and Apparel Making)	2016-17	<ul style="list-style-type: none"> • General Properties of Textile fibers. 3 Types of Spinning and Processes involved in it. • Mechanical Spinning. (Cotton) • Chemical Spinning. • Types of Yarns: • Simple Yarns • Novelty Yarns <p>Dyeing: • Types of Dyes and Pigments • Methods of Dying.</p> <p>2 Printing: Type of Printing: • Hand Printing-Block, Stencil and Screen. • Machine Printing-Roller and Their Types.</p> <p>3 Types of Tie and Dye and Batik in brief. 4 Finishing: • Importance and Classification of finishing: Physical process-Calendarizing, Shrinking, Embossing, Weighting, Moiering o Chemical Process-Mercerizing, Wrinkle-resistant, Water Proofing, Wash and Wear, Mothproofing, Flame-Protecting</p> <p>Pattern Making: • Flat patterns. -Application, Merit and Demerits. • Draping. -Application, Merits and Demerits.</p> <p>3 Fitting of Garments • Factors affecting good fit • Problems and remedies.</p>
BABED425P	Home Science -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED426	Urdu Literature -I	2016-17	Entrepreneurship/ Skill development
BABED427	Urdu Literature -II	2016-17	Entrepreneurship/ Skill development
BABED428	Sanskrit Literature-I	2016-17	Entrepreneurship/ Skill development

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BABED429	Sanskrit Literature-II	2016-17	Entrepreneurship/ Skill development
BABED430	Music -I	2016-17	Entrepreneurship/ Skill development
BABED431	Music -II	2016-17	Entrepreneurship/ Skill development
BABED432	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED433P	Assessment for Learning	2016-17	Entrepreneurship/ Skill development
BABED501	Environmental Education	2016-17	Entrepreneurship/ Skill development
BABED502	Sociology-I (Population Studies)	2016-17	<ul style="list-style-type: none"> Population dynamics. Mortality and fertility Rate of India. Population theories to explain past and Present population characteristics. Contemporary socio-economic issues in the context of Population theories. Population policy of India and its impact. (Census Worker, Policy Analyst, Human Resource Representative)
BABED503	Sociology-II (Classical Socio Thinkers)	2016-17	<ul style="list-style-type: none"> Social thought of Auguste comte , Marxian, Durkheimian , and Weberian on social world. Foundations of classical sociology and their historical origins. The relevance of classic theories to analyze contemporary social problems. (Social Critic, Social Worker, Journalist, Lawyer)
BABED504	History-I (Modern History of India -1757 to 1857)	2016-17	<ul style="list-style-type: none"> Identify the impact of East India company on India Identify the causes of emergence of Nationalism Evaluate the impact of revolutionary nationalism on Indian Nationalism Assess and analyze the contribution of leaders in national movement. Evaluate the movement held between 1900 to 1947.
BABED505	History-II (World History – 1453 to 1815)	2016-17	<ul style="list-style-type: none"> Understand the political, social and economic condition of Europe between 1815-1945. Understand the causes and effects of two major world wars. Identify the factors influencing the political rivalry between the nations. Draw maps and charts. Understand the process of unification of Germany and Italy. Explain the formation of United Nation and also understand its relevance. Read the documents and produce their own historical analysis
BABED506	Political Science-I (Western Political Thinkers)	2016-17	Entrepreneurship/ Skill development
BABED507	Political Science-I (Western Political Thinkers)	2016-17	Entrepreneurship/ Skill development
BABED508	English Literature-I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BABED509	English Literature-II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BABED510	Geography-I (World Geography - I)	2016-17	Entrepreneurship/ Skill development
BABED511	Geography-II (Agriculture Geography)	2016-17	Entrepreneurship/ Skill development

BABED512P	Geography (Practical)	2016-17	Entrepreneurship/ Skill development
BABED513	Economics-I (Development Economics-I)	2016-17	Entrepreneurship/ Skill development
BABED514	Economics-II (Development Economics-II)	2016-17	Entrepreneurship/ Skill development
BABED515	Psychology-I (Child Psychology)	2016-17	Entrepreneurship/ Skill development
BABED516	Psychology-II (Adolescent Psychology)	2016-17	Entrepreneurship/ Skill development
BABED517P	Psychology (Practical)	2016-17	Entrepreneurship/ Skill development
BABED518	Hindi Literature-I (हिंदी पद्य)	2016-17	Entrepreneurship/ Skill development
BABED519	Hindi Literature-II (रीतिकालीन काव्य)	2016-17	Entrepreneurship/ Skill development
BABED520	Drawing and Painting (History of Ancient Art and Western Art)	2016-17	Entrepreneurship/ Skill development
BABED521P	Drawing and Painting (Practical – Anatomy)	2016-17	Entrepreneurship/ Skill development
BABED522P	Drawing and Painting(Practical- Study from life)	2016-17	Entrepreneurship/ Skill development
BABED523	Home Science (Fundamentals of A/D)	2016-17	Colours in Interior Decoration a) Concept of Colour b) Colour Hue c) Colour Scheme d) Colour Wheel Flower Arrangement a) Concept and Importance b) Materials and Equipment's used c)Types of Flower Arrangement

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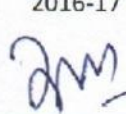
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BABED524	Home Science (Interior Decoration)	2016-17	<ul style="list-style-type: none"> • Elements of design and their effects- Line, shape, Color and Texture. • Principles of design and their effects- Proportion, Balance, Emphasis, Rhythm, Harmony • Garment Silhouettes • Theories of origin of clothing, Functions of clothing • Individuality and conformity, conspicuous consumption and emulation couture, Prêt-a-porter, Knockoff, Accessory, Toile, Atelier, Boutique, Avant Garde, Empire line, Season • Sources of design inspiration- printed and electronic media, web resources, historic/traditional costumes, travel, fabrics, nature, streets, architecture, awareness • Fashion cycle • Consumer identification with fashion life cycle – fashion leaders, fashion followers, fashion victims, fashion laggards • Theories of Fashion adoption – trickle down, trickle up, trickle across • Factors favouring and retarding fashion • Women's fashion categories in terms of style, size, price • Women's fashion categories in terms of style, size, price • Major Milestones of 20th century fashion. • Major fashion centers of the world and their leading designers and brands- Paris, Milan, Tokyo, New York,
BABED525P	Home Science Practical	2016-17	Entrepreneurship/ Skill development
BABED526	Urdu Literature -I	2016-17	Entrepreneurship/ Skill development
BABED527	Urdu Literature -II	2016-17	Entrepreneurship/ Skill development
BABED528	Sanskrit Literature-I	2016-17	Entrepreneurship/ Skill development
BABED529	Sanskrit Literature-II	2016-17	Entrepreneurship/ Skill development
BABED530	Music -I	2016-17	Entrepreneurship/ Skill development
BABED531	Music -II	2016-17	Entrepreneurship/ Skill development
BABED532P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED533	Contemporary India and Education	2016-17	Entrepreneurship/ Skill development
BABED601	Computer Application In Education	2016-17	Entrepreneurship/ Skill development
BABED602	Sociology-I (Indian Sociological Thinkers)	2016-17	<ul style="list-style-type: none"> • Indian thinkers and their ideas in each of the major emerging paradigms in Indian sociology • sociological concepts and theories developed by Indian sociological thinkers-Social values and social ecology, Dialectics of Tradition and modernity, Development of art and Literature ,Dominant Caste, Sanskritization and Westernization,Modernization of Indian tradition, Culture change in India (Media Planner,Teacher,Public Relation Specialist)

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BABED603	Sociology-II (Introducing Sub-Sociologies)	2016-17	<ul style="list-style-type: none"> • Urban Sociology-Urbanisation Migration • Socio-developmental issues-Slums,Environmental ProblemsDisplacement-Rehabilitation, Development and Human Rights • achievement of the sustainable cities of communities-Modernization, Sustainable Development • policies and programs of urban social development-Sawach Bharat Abhiyan, National Defecation compaign ,Mid Day Meal Sukanya Samriddhi Yojna, Balika Samridhi Yojna, Bhamashah Yojna (Human Resource Representative,Welfare Rights Officer , Social Worker,PolicyAnalyst,Rehabilitation Counsellor)
BABED604	History-I (History of Modern India (1857-1999))	2016-17	<ul style="list-style-type: none"> • Identify the impact of East India company on India • Identify the causes of emergence of Nationalism • Evaluate the impact of revolutionary nationalism on Indian Nationalism • Assess and analyze the contribution of leaders in national movement. • Evaluate the movement held between 1900 to 1947.
BABED605	History-II World History (1815 AD- 1945 AD))	2016-17	<ul style="list-style-type: none"> • Understand the political, social and economic condition of Europe between 1815-1945. • Understand the causes and effects of two major world wars. • Identify the factors influencing the political rivalry between the nations. • Draw maps and charts. • Understand the process of unification of Germany and Italy. • Explain the formation of United Nation and also understand its relevance. • Read the documents and produce their own historical analysis
BABED606	Political Science-I (Challenges to Democracy)	2016-17	Entrepreneurship/ Skill development
BABED607	Political Science-II (Modern Political Theory)	2016-17	Entrepreneurship/ Skill development
BABED608	English Literature-I (Poetry and Drama)	2016-17	Entrepreneurship/ Skill development
BABED609	English Literature-II (Prose and Fiction)	2016-17	Entrepreneurship/ Skill development
BABED610	Geography-I (World Geography-II)	2016-17	Entrepreneurship/ Skill development
BABED611	Geography-II (Climatology and Oceanography)	2016-17	Entrepreneurship/ Skill development
BABED612P	Geography -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED613	Economics-I (Money and Banking)	2016-17	Entrepreneurship/ Skill development
BABED614	Economics-II (International Economics)	2016-17	Entrepreneurship/ Skill development

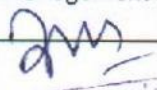
BABED615	Psychology-I (Managing Stress , Health and Well being)	2016-17	Entrepreneurship/ Skill development
BABED616	Psychology-II (Counselling Psychology)	2016-17	Entrepreneurship/ Skill development
BABED617P	Psychology (Practical)	2016-17	Entrepreneurship/ Skill development
BABED618	Hindi Literature-I ((आधुनिक काल)	2016-17	Entrepreneurship/ Skill development
BABED619	Hindi Literature-II (उपन्यास एवं एकांकी)	2016-17	Entrepreneurship/ Skill development
BABED620	Drawing and Painting-I (Art and Culture of Far East)	2016-17	Entrepreneurship/ Skill development
BABED621P	Drawing and Painting-II (Practical-Anatomy)	2016-17	Entrepreneurship/ Skill development
BABED622P	Drawing and Painting-III (Practical-Study from Life)	2016-17	Entrepreneurship/ Skill development
BABED623	Home Science-I (Advanced Fruit and Vegetable Preservation Technology)	2016-17	<p>Three basic categories of life skills-</p> <ul style="list-style-type: none"> • Social or interpersonal skills (Communication Skills, Assertiveness Skills, Cooperation Skills, Empathy) • Cognitive or thinking skills (Problem Solving, Critical Thinking, Creative Thinking, Decision Making, Self-Awareness) • Emotional skills (Managing Stress, Managing Emotions, Resisting peer pressure) <p>Communication skills-</p> <ul style="list-style-type: none"> • Meaning and definition • Types and levels of communication • Barriers to communication • Ways to improve interpersonal communication and public speaking <p>Need and importance of career guidance, exploring career options, deciding a career, career guidance center, resume writing, job search method and interview facing.</p>
BABED624	Home Science-II (Food Safety, Hygiene and Quality Testing)	2016-17	<p>FSSAI standards and regulations</p> <ul style="list-style-type: none"> • Food additives and contaminants • Hygiene and sanitation • HACCP Methods of Preservation • Asepsis • Low temperature • High temperature • Removal of moisture • Use of chemical preservatives • Fermentation • Irradiation • Newer methods
BABED625P	Home Science-III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED626	Urdu Literature -I	2016-17	Entrepreneurship/ Skill development
BABED627	Urdu Literature -II	2016-17	Entrepreneurship/ Skill development
BABED628	Sanskrit Literature-I	2016-17	Entrepreneurship/ Skill development
BABED629	Sanskrit Literature-II	2016-17	Entrepreneurship/ Skill development

BABED630	Music -I	2016-17	Entrepreneurship/ Skill development
BABED631	Music -II	2016-17	Entrepreneurship/ Skill development
BABED632P	Music -III (Practical)	2016-17	Entrepreneurship/ Skill development
BABED633	Pedagogy of English	2016-17	Entrepreneurship/ Skill development
BABED634	Pedagogy of Hindi	2016-17	Entrepreneurship/ Skill development
BABED635	Pedagogy of Political Science	2016-17	Entrepreneurship/ Skill development
BABED636	Pedagogy of Urdu	2016-17	Entrepreneurship/ Skill development
BABED637	Pedagogy of History	2016-17	Entrepreneurship/ Skill development
BABED638	Pedagogy of Social Science	2016-17	Entrepreneurship/ Skill development
BABED639	Pedagogy of Economics	2016-17	Entrepreneurship/ Skill development
BABED640	Pedagogy of Geography	2016-17	Entrepreneurship/ Skill development
BABED641	Pedagogy of Drawing and Painting	2016-17	Entrepreneurship/ Skill development
BABED642P	Internship (04 weeks- Practical)	2016-17	Entrepreneurship/ Skill development
BABED701	Gender , School and Society	2016-17	Entrepreneurship/ Skill development
BABED702	Creating an Inclusive School	2016-17	Entrepreneurship/ Skill development
BABED703	Guidance and Counselling	2016-17	Approches and principles of guidance and counselling,utility of guidance and counselling in different area
BABED704	Drama and Art in Education	2016-17	Entrepreneurship/ Skill development
BABED705P	Pedagogical Inputs	2016-17	Entrepreneurship/ Skill development
BABED706P	School Internship-I	2016-17	Entrepreneurship/ Skill development
BABED801	Value and Peace Education	2016-17	Entrepreneurship/ Skill development
BABED802	Health and Physical Education	2016-17	Entrepreneurship/ Skill development
BABED803	Indian Constitution and Human Rights	2016-17	Entrepreneurship/ Skill development
BABED805P	School Internship (Practical)	2016-17	Entrepreneurship/ Skill development
BABED806P	Post Internship (Practical)	2016-17	Entrepreneurship/ Skill development
BDFD-101	Basic of Fashion	2016-17	Global & Indian fashion Industry and role of merchandisers in the fashion industry. fashion theory and marketing of fashion goods.
BDFD-102	Sustainable Design (Environmental Studies)	2016-17	Develop the intellectual flexibility necessary to view environmental questions from multiple perspectives.
BDFD-103	Communication Skills	2016-17	Communication in different way and in different perspective
BDFDP-104	Basic Of Design	2016-17	Use different mediums and tools that are required for communicating design idea or blueprint of design that will encourage students to think, explore and create
BDFDP-105	Visualization & Representation-I	2016-17 	Development of calculated ideas and creative patterns with using shapes like circle and ellipse. Improving how space develops from point, to line to area to volume , knowledge about isometric views of manmade objects. also improving drawings of Drawings for Cube, Cuboids, Cylinder, cone, Prism, Pyramid and variations

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BDFDP- 106	Material Exploration-I	2016-17	To develop their skills in different areas: drawing, model-building, , and knowledge of materials applied to a design project.
BDFDP- 107	Computer Application	2016-17	Understanding Spread Sheet, on power point Excel like Work sheet, Basic database, MS Excel (Home), MS Excel (Insert), MS Excel (Page Layout)
BDFD-201	Introduction to textile	2016-17	Raw materials for textiles- woven, knitted, dyed and printed, properties of fabrics, Fabrics analysis
BDFD-202	Fabric Study (Woven)	2016-17	The construction of different fabrics
BDFD-203	Western Art Appreciation	2016-17	The construction of different fabrics
BDFDP-204	Visualization & Representation	2016-17	Visualize the object and represent it on the paper
BDFD-205	Material Exploration-II	2016-17	Focus on selecting materials in the first phase of design and developing the project until the end with the help of scaled models
BDFD-301	History of Western Costume	2016-17	The construction of different fabrics
BDFDP-304	Instruction Techniques I	2016-17	Learn about various sewing equipment that are essential in a sewing room. Gain an insight of various sewing machines available in the market, their functioning & common problems faced while usage. Get knowledge of basic stitches that a seamstress can employ in garment construction
BDFDP-307	Fabric Construction	2016-17	Process of making the fabric
BDFDP-504	Surface Ornamentation-I	2016-17	Embroideries, dyeing & printing and other surface ornamentation part.
DFD-101	Theory of Textile	2016-17	Raw materials for textiles- woven, knitted, dyed and printed, properties of fabrics, Fabrics analysis
DFD-102	History of fashion	2016-17	Global & Indian fashion Industry and role of merchandisers in the fashion industry. fashion theory and marketing of fashion goods.
DFD-103	Communication skills and personality Development	2016-17	Critical and innovative thinking. Display competence in oral, written, and visual communication.
DFDP-104	Fashion Model Drawing & Illustration	2016-17	Fashion model drawing, sketch/drawing, lines, shading & block figure techniques.
DFDP-105	Pattern Making & Construction-I	2016-17	To acquire basic understanding & skills of garment construction, enabling them to use various tools and techniques for design developments, integrating design skills with the help of sewing machine applications.
DFDP-106	Elements/Principle of design and Fashion	2016-17	Develops a relationship between fashion industry & students through which he/she is able to work in fashion industry & express his view, thought through the sketch.
DFD-201	Merchandising & Production Methods	2016-17	Types of garment manufacturing units and work flow in garment industry. Costing of garments – knits and woven. (knowledge concern areas - material costs, estimation vs actual costing).
DFD-202	Fashion Illustration	2016-17	Fashion model drawing develops the concept of visualization, communication through the medium of sketch/drawing based on the lines, shading & block figure techniques
DFDP-203	Draping	2016-17	Experiment with fabric, darts, tucks, and other design elements, fabric folds etc
DFDP-204	Design Collection & Portfolio	2016-17	Design Collection-Theme board, colour palette, story board etc. from a design inspiration

DFDP-205	Digital Design	2016-17	Corel Draw/Illustrator/Indesign: designing, editing, vector images, portfolio setting, applied art and advertisement.
DFDP-206	Pattern making & Construction	2016-17	Gain ability to use pattern making for creating new garments designs
DFDP-207	Surface Ornamentation	2016-17	Embroideries, dyeing & printing and other surface ornamentation part.
MBAFM-101	Business communication	2016-17	Analysis of project profitability by using different technique of capital budgeting
MBAFM-102	Business environment	2016-17	IFRS v/s GAAP implementation
MBAFM-103	Principles and practices of management	2016-17	Case Studies, Role play activity, Group Cohesion, Passion Project, Team work, Management Games
MBAFM-104	Organizational behavior	2016-17	Analysis of different types of ratio helps to identify problem areas and bring the attention of the management to such areas.
MBAFM-105	Introduction to global fashion industry	2016-17	Global & Indian fashion Industry and role of merchandisers in the fashion industry. fashion theory and marketing of fashion goods.
MBAFM-106	Fabric knowledge	2016-17	Raw materials for textiles- woven, knitted, dyed and printed, properties of fabrics, Fabrics analysis
MBAFM-107	Computer application in Fashion Management	2016-17	Latest Operating systems (OS) basic concepts of MS- DOS/ Windows (latest) or system management. Internet and Window Accessories
MBAFM-201	Research Methodology	2016-17	Basic fundamentals of research, sampling techniques and data collection methods data analysis-and hypothesis testing procedures and interpret research work
MBAFM-202	Management accounting-	2016-17	Skits based on Retail Sales Techniques and Promotions
MBAFM-203	Marketing Management	2016-17	Students will select a company as per their specialise interest and they will work on a problem and provide suggestions to the company.
MBAFM-204	Operation and production Management	2016-17	Identify the elements of operations management and various transformation processes to enhance productivity and competitiveness
MBAFM-205	Human Resource Management	2016-17	To develop the understanding of the concept of human resource management and to understand its relevance in organizations.
MBAFM-206	Design Process and Design Thinking	2016-17	Research and relate fashion design to a broader socio economic, historical, and environmental context. Articulate design ideas verbally, visually, and digitally.
MBAFM-207	Study of Garment Manufacturing process	2016-17	Types of garment manufacturing units and work flow in garment industry. Costing of garments – knits and woven. (knowledge concern areas - material costs, estimation vs actual costing).
MBAFM-301	Strategic Management	2016-17	Deal or No Deal(Mock Selling Activities),
MBAFM-302	Management accounting-	2016-17	Develop a relationship between risk and return of the securities and the combination of debt and equity in the capital structure of the company to make effective financial decisions
MBAFM-303	Customer Relationship Management	2016-17	Programs and strategies that can be applied for enhancing customer relationship management in an organization


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MBAFM-304	Fashion Forecasting	2016-17	Recognizing the patterns, cycles and dissemination of information, investigation will determine a framework to specifically apply creative and analytical skills in the trend forecasting process.
MBAFM-305	Product Development	2016-17	Helps in development of the product
MBAFM-306	Merchandising and production methods	2016-17	Types of garment manufacturing units and work flow in garment industry. Costing of garments – knits and woven.
Summer internship project		2016-17	Industry Internship/ Case Study / Merchandising
MBAFM-401	Entrepreneurship and Development	2016-17	Learn how to be an entrepreneurship
MBAFM-402	Visual Merchandising	2016-17	Visual aesthetics in business, Visual Merchandising – its evolution and its impact on Fashion business.
MBAFM-403	Project Management	2016-17	Analyzing sources of funds for rural development
MBAFM-404	Retail Management	2016-17	How retailer's differentiate their offering as an element in their corporate strategy
MBAFM-405	Advertising and Branding	2016-17	Analyse advertising and branding techniques and apply them to a variety of different issues
Summer internship project		2016-17	Internship Projects
BCPQT604E	Quantitative Techniques	2016-17	Solving business problems through LPP model
BSBED101	Essential Language Skills -I	2016-17	Entrepreneurship/ Skill development
BSBED102	Chemistry –I (Physico-inorganic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSBED103	Chemistry-II (Physico-organic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSBED104P	Chemistry (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED105	Botany-I (Introductory Microbiology)	2016-17	Entrepreneurship/ Skill development
BSBED106	Botany –II (Algae, Fungi and lichen)	2016-17	Entrepreneurship/ Skill development
BSBED107P	Botany (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED108	Zoology –I (Animal Diversity)	2016-17	• Conservative measures of biodiversity , • Phylogeny of major invertebrate phyla
BSBED109	Zoology –II (Cell and Molecular Biology)	2016-17	• DNA structure, polymorphism (A,B and Z type) and replication, transcription and functions. Elementary idea about DNA repairs.
BSBED110P	Zoology (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED111	Mathematics -I(Calculus)	2016-17	Maxima and Minima, Curvature, Rectification and Area, finding Area and volume of curves.
BSBED112	Mathematics –II (Differential Equations)	2016-17	Entrepreneurship/ Skill development
BSBED113P	Mathematics –(Project)	2016-17	application of differential equation, curve
BSBED114	Physics –I (Optics)	2016-17	Entrepreneurship/ Skill development
BSBED115	Physics –II (Electromagnetism)	2016-17	Entrepreneurship/ Skill development
BSBED116P	Physics –III (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED117	Childhood and Growing Up	2016-17	Entrepreneurship/ Skill development
BSBED118	Yoga ,Health and Personality (Theory)	2016-17	Entrepreneurship/ Skill development
BSBED119P	Yoga and Health (Practical)	2016-17	Entrepreneurship/ Skill development

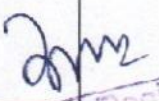
BSCBED201	Essential Language Skills-II	2016-17	Entrepreneurship/ Skill development
BSCBED202	Chemistry –I (Physico-Inorganic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSCBED203	Chemistry-II (Physico-Organic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSCBED204P	Chemistry-III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED205	Botany-I (Bryophyta and Pteridophyta)	2016-17	Entrepreneurship/ Skill development
BSCBED206	Botany –II (Gymnosperm and Angiosperm)	2016-17	Entrepreneurship/ Skill development
BSCBED207P	Botany-III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED208	Zoology –I (Genetics and Evolution)	2016-17	Chromosome mapping. • Paleontology: Fossils, Geological Divisions of the earth's crust.
BSCBED209	Zoology –II (Developmental Biology)	2016-17	• Scrutinize diverse blood groups and genetic disorders.,5. Identification of Blood groups and A, B, O, AB and Rh factor.
BSCBED210P	Zoology-III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED211	Mathematics -I(Numerical Analysis)	2016-17	Differences, Relation between differences and derivatives ,Numerical solution of algebraic and transcendental equations.
BSCBED212	Mathematics –II (Discrete Mathematics)	2016-17	Entrepreneurship/ Skill development
BSCBED213P	Mathematics –III(Project)	2016-17	Boolean function, Lagrange's interpolation formula
BSCBED214	Physics –I (Electronics Devices and Circuit Theory)	2016-17	Entrepreneurship/ Skill development
BSCBED215	Physics –II (Solid State Physics)	2016-17	Entrepreneurship/ Skill development
BSCBED216P	Physics –III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED217	Teaching and Learning	2016-17	<ul style="list-style-type: none"> • Teaching as an Art and Science. • Teaching as a Job, Occupation, Profession & Religion • Humane & Professional Teachers • Teacher as a purveyor & facilitator of knowledge • Skills & Competencies of a Teacher • Status of Teaching as a Profession • Teaching: Mapping & Management • Constructivist approach and models of teaching • Levels and phases of teaching
BSBED301	General Hindi –I	2016-17	Entrepreneurship/ Skill development
BSBED302	Chemistry –I (Physico-inorganic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSBED303	Chemistry-II (Physico-organic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSBED304P	Chemistry (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED305	Botany-I (Botanical Nomenclature and Angiosperm Taxonomy)	2016-17	Entrepreneurship/ Skill development
BSBED306	Botany –II (Plant Morphology and Anatomy)	2016-17	Entrepreneurship/ Skill development

BSBED307P	Botany (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED308	Zoology –I (Structure and Function of Non Chordates)	2016-17	Entrepreneurship/ Skill development
BSBED309	Zoology –II (Animal Physiology and Endocrinology)	2016-17	Counting of red and white blood cells in a blood sample Estimation of haemoglobin in a blood sample. Estimation of haematocrit value (PCV) in a blood sample.
BSBED310P	Zoology (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED311	Mathematics -I(Algebra of Matrices)	2016-17	The Concept of a Determinant, Linear Equations, Solving Homogeneous and No homogeneous Systems of linear Equations.
BSBED312	Mathematics –II (Abstract Algebra)	2016-17	Entrepreneurship/ Skill development
BSBED313P	Mathematics –(Project)	2016-17	Prepare a matrix and determinants in MS-Excel, knowledge of group, ring
BSBED314	Physics –I (Mechanics, waves and oscillations)	2016-17	Entrepreneurship/ Skill development
BSBED315	Physics –II (Theory of Relativity and Modern Physics)	2016-17	Entrepreneurship/ Skill development
BSBED316P	Physics –III (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED317	Knowledge and Curriculum	2016-17	Entrepreneurship/ Skill development
BSCBED401	General Hindi -II	2016-17	Entrepreneurship/ Skill development
BSCBED402	Chemistry –I (Physico-Inorganic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSCBED403	Chemistry-II (Physico-Organic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSCBED404P	Chemistry-III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED405	Botany-I (Plant Physiology-I)	2016-17	Entrepreneurship/ Skill development
BSCBED406	Botany –II (Plant Physiology-II)	2016-17	Entrepreneurship/ Skill development
BSCBED407P	Botany-III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED408	Zoology –I (Bio-Chemistry and Immunology)	2016-17	• Detection of protein, carbohydrate and lipid in the animal tissue/ food samples. • Identification of different kind of mono-di and polysaccharides in the given food samples
BSCBED409	Zoology –II (Structure and Function of Chordates)	2016-17	Adaptive Radiation, Dentition.
BSBED410P	Zoology-III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED411	Mathematics -I(Real Analysis)	2016-17	Entrepreneurship/ Skill development
BSCBED412	Mathematics –II (Optimization Techniques)	2016-17	mathematical formulation of A L.P.P, Optimization simplex algorithm, Applications of Linear Programming, solution of problem with finite number of stages.
BSCBED413P	Mathematics-III(Project)	2016-17	Prepare a power point presentation of linear transformations, Prepare a file for linear programming and its applications.

BSCBED414	Physics –I (Thermodynamics and Statistical Physics)	2016-17	Entrepreneurship/ Skill development
BSCBED415	Physics –II (Elementary of Quantum Mechanics)	2016-17	Entrepreneurship/ Skill development
BSCBED416P	Physics –III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED417	Assessment for Learning	2016-17	Entrepreneurship/ Skill development
BSBED501	Environmental Education	2016-17	Entrepreneurship/ Skill development
BSBED502	Chemistry –I (Physico- inorganic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSBED503	Chemistry-II (Physico- organic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSBED504P	Chemistry (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED505	Botany-I (Cell Biology and Immunology)	2016-17	Entrepreneurship/ Skill development
BSBED506	Botany –II (Genetics and Plant Breeding)	2016-17	Entrepreneurship/ Skill development
BSBED507P	Botany (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED508	Zoology –I (Micro Biology and Bio Technology)	2016-17	a. Size, Shapes and Patterns of Arrangement. b. Structural Organization: Slime Layer (Capsule), Cell envelopes: cytoplasmic membrane (inner membrane). Cell wall (outer membrane) of Gram-negative and Gram- positive bacteria, Recombinant DNA technology; hybridomas and their applications, PCR. DNA finger printing. DNA foot printing. RFLP, RAPD and AFLP, Human genome project. Genomics and proteomics
BSBED509	Zoology –II (Applied Zoology and Ethnology)	2016-17	Unit – I- Different culture methods Principles and practices of the following : 1. Vermiculture. 2. Sericulture (including Ericulture). 3. Lac culture 4. Apiculture 5. Prawn culture 6. Poultry keeping 7. Pisciculture
BSBED510P	Zoology (Practical)	2016-17	Entrepreneurship/ Skill development
BSBED511	Mathematics -I(Vector Calculus and Linear Algebra)	2016-17	Velocity, Acceleration, Displacement, Work done by force, Rank and Nullity of linear transformation. Mode of Transaction
BSBED512	Mathematics –II (Mechanics)	2016-17	Entrepreneurship/ Skill development
BSBED513P	Mathematics –(Project)	2016-17	Prepare a project for velocity and centre of gravity.
BSBED514	Physics –I (Mathematical Physics)	2016-17	Entrepreneurship/ Skill development
BSBED515	Physics –II (Atomic and Molecular Physics)	2016-17	Entrepreneurship/ Skill development
BSBED516P	Physics –III (Practical)	2016-17	Entrepreneurship/ Skill development


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BSBED517	Contemporary India and Education	2016-17	Entrepreneurship/ Skill development
BSCBED601	Computer Application in Education	2016-17	Entrepreneurship/ Skill development
BSCBED602	Chemistry –I (Physico-Inorganic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSCBED603	Chemistry-II (Physico-Organic Chemistry)	2016-17	Entrepreneurship/ Skill development
BSCBED604P	Chemistry-III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED605	Botany-I (Molecular Biology and Biochemistry)	2016-17	Entrepreneurship/ Skill development
BSCBED606	Botany –II (Ecology and Applications of Biotechnology)	2016-17	Entrepreneurship/ Skill development
BSCBED607P	Botany (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED608	Zoology –I (Ecology and Biostatistics)	2016-17	Density and methods of its measurement, natality, mortality age ratio and distribution, pyramids, fluctuations, biotic potential, dispersal, growth forms, population interactions and propagation, brief idea of demography.
BSCBED609	Zoology –II (Environmental Biology)	2016-17	• Analysis of soil pH and water analysis by measuring pH, alkalinity, dissolved pH, alkalinity, acidity, dissolved O ₂ and CO ₂ , Salinity (Chloride) and zoo planktons
BSCBED610P	Zoology-III(Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED611	Mathematics -I (Mathematical Statistics)	2016-17	Entrepreneurship/ Skill development
BSCBED612	Mathematics –II (Laplace and Fourier Transformation)	2016-17	change of scale property, half range series, change of intervals, harmonic analysis,
BSCBED613P	Mathematics-III(Project)	2016-17	Prepare a file problem related to probability, Formation of a table for mean, mode and median.
BSCBED614	Physics –I (Nuclear and Particle Physics)	2016-17	Entrepreneurship/ Skill development
BSCBED615	Physics –II (Experimental Techniques)	2016-17	Entrepreneurship/ Skill development
BSCBED616P	Physics –III (Practical)	2016-17	Entrepreneurship/ Skill development
BSCBED617	Pedagogy of Chemistry	2016-17	Entrepreneurship/ Skill development
BSCBED618	Pedagogy of Mathematics	2016-17	lesson plan, blue print, micro teaching, methods of teaching, remedial teaching
BSCBED619	Pedagogy of Physics	2016-17	<ul style="list-style-type: none"> • Determination of Instructional Objectives • Curriculum Transaction: Annual Plan, Theme based Plan/ Unit Plan, Lesson Plan • Demonstration Method, Inductive Deductive Method, Project Method, Laboratory Method, Comparative Method, Brain Storming, Play-Way Method. Programmed Learning Method. • Teaching Support System • Preparing Test items • Diagnostic Test and Remedial Teaching • Unit Test

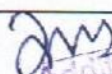

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BSCBED620	Pedagogy of Biology	2016-17	<ul style="list-style-type: none"> • Determination of Instructional Objectives • Curriculum Transaction: Annual Plan, Theme based Plan/ Unit Plan, Lesson Plan • Demonstration Method, Inductive Deductive Method, Project Method, Laboratory Method, Comparative Method, Brain Storming, Play-Way Method. Programmed Learning Method. • Teaching Support System • Preparing Test Items • Diagnostic Test and Remedial Teaching • Unit Test
BSCBED621	Pedagogy of General Science	2016-17	<ul style="list-style-type: none"> • Determination of Instructional Objectives • Curriculum Transaction: Annual Plan, Theme based Plan/ Unit Plan, Lesson Plan • Demonstration Method, Inductive Deductive Method, Project Method, Laboratory Method, Comparative Method, Brain Storming, Play-Way Method. Programmed Learning Method. • Teaching Support System • Preparing Test Items • Diagnostic Test and Remedial Teaching • Unit Test
BSCBED622P	Internship (4 weeks- Practical)	2016-17	
BSCBED701	Gender , School and Society	2016-17	<ul style="list-style-type: none"> • Development Dimensions and Goals: Basic Concepts- Sustainable Development Integrated Development Engendering Development. • The Millennium Development Goals. • Gender and Millennium Development Goals. • Girls as learners, hidden curriculum (teacher attitudes, expectations and peer culture), Epistemological Issues in mathematics, social sciences and life sciences using gender as a lens, subject choice made in Grade XI and its relation with gender <p>Gendered representations in textbooks (illustrations and text), policy interventions in school education, construct of gender in national curriculum frameworks, teacher in India: an analysis using gender as a lens.</p>


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BSCBED702	Creating an Inclusive School	2016-17	<ul style="list-style-type: none"> • Concept of Inclusion. • Curriculum Adjustment and Adaptation. • Children with Locomotors Disability. • Children with Speech & Hearing Disorders- Identification and Educational programmes. • Children with Visual Impairment: Identification and Educational programmes. • Children with Low Mental Ability: Identification and Educational programmes. • Children with Learning Disabilities: Identification and Educational programmes • First Generation learners. • provisions under Constitution of India • Rehabilitation Council of India Act, 1992 • National Policy on Education, 1986. • Centrally Sponsored Scheme for Integrated Education for the Disabled Children (IEDC, 1974). • Education of Special Focus Groups under the Sarva Shiksha Abhiyan. • NPE-1986, Policies guide lines on Inclusive Education, UNESCO- 2009 • UN convention on Rights of the Child, UNESCO-1989 • UN convention on Rights of the person with Disability, UNESCO-2006, Acts- RCI Act 1992, PWD Act- 1995, National Trust Act-1999, RTE Act—2009
BSCBED703	Guidance and Counselling	2016-17	Approches and principles of guidance and counselling, utility of guidance and counselling in different area
BSCBED704	Drama and Art in Education	2016-17	<ul style="list-style-type: none"> • Use of Drama for Educational and social change (Street play, Dramatization of a lesson) Use of Drama Techniques in the Classroom: voice and speech, mime and movements, improvisation, skills of observation, imitation and presentation. • Sur, Taal and Laya (Sargam) • Vocal - Folk songs, Poems, Prayers • Singing along with "Karaoke" • Composition of Songs, Poems, Prayers • Integration of Gayan and Vadan in Educational practices • Various Dance Forms - Bharat Natyam, Kathakali, Folk dance : Garba, Bhavai, Bhangada, Bihu and various other dances Integration of Dance in educational practices (Action songs, Nritya Natika) • Colours, Strokes and Sketching- understanding of various means and perspectives • Different forms of painting- Worli art, Madhubani art, Glass painting, Fabric painting and various forms of painting • Use of Drawing and Painting in Education -Chart making, Poster making, match-stick drawing and other forms • Rangoli, Ekebana, Wall painting (Mural)
BSCBED705P	Pedagogical Inputs	2016-17	Field Observation Programme Field Based Projects
BSCBED706P	School Internship-I	2016-17	Field Observation Programme Field Based Projects


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BSCBED801	Value and Peace Education	2016-17	<ul style="list-style-type: none"> • Gandhian concept of Peace. • Historical development of Peace Education in the world. • Creation of United Nations, UNESCO, UNICEF and their endeavors to promote Peace Education. • Peace Education in India and its development. <p>The Constitution as a means of conflict-resolution. Study of ongoing conflicts in the political, economic, socio-cultural and ecological spheres; Case studies of major conflicts between nation-states; Study of successful struggles for peace and ongoing processes of dialogue; Nationalism and its critics; war and markets; globalization: Economy, Politics, Technology; meanings and implications; Childhood in conflict settings: case study of areas where conflicts of different kinds have led to displacement, violence or persistent social turmoil.</p>
BSCBED802	Health and Physical Education	2016-17	Entrepreneurship/ Skill development
BSCBED803	Indian Constitution and Human Rights	2016-17	Entrepreneurship/ Skill development
BSCBED805P	School Internship (Practical)	2016-17	School Experience Programme Field Observation Programme Field Based Projects
BSCBED806P	Post Internship (Practical)	2016-17	School Experience Programme Field Observation Programme Field Based Projects
3MTCSE3	Advance Control System Lab	2016-17	To identify the signals and systems (SO A), apply the principles of discrete-time signal analysis to perform various signal operations (SO A, E)
3MTCSE4	Dissertation Part -I	2016-17	Design of project, contents & layout of the report, presentation.
BAG481	Orientation	2016-17	It will provide an opportunity to the students to understand the rural setting in relation to agriculture and allied activities. It makes the students familiar with socio-economic conditions of the farmers and their problems. It will be develop confidence and competence to solve agricultural problems. Students will acquaint with on-going extension and rural development programmes. Expose the students to Industrial environment, which cannot be simulated in the university. Students will be get familiarize the with various Materials, Machines, Processes, Products and their applications along with relevant aspects of shop management. They make the understand the psychology of the workers, and approach to problems along with the practices followed at factory. Students understand the scope, functions and job responsibility-ties in various departments of an organization.
BAG482	Research Station/KVK/ including village attachment and <i>In-situ</i> interaction of farmers, students and research station scientists	2016-17	
BAG483	Industrial Attachment*/Skill Development/Experiential Learning Courses	2016-17	
BAG484	Educational Tour	2016-17	
BAG485	Project Report Preparation and Evaluation	2016-17	


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Course Code	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
ESC-EC310	Data Structures & Algorithms Laboratory	2017-18	The course is designed to develop skills to design and analyze simple linear and non linear data structures. It strengthen the ability to the students to identify and apply the suitable data structure for the given real world problem.
ESC-EC410	Object Oriented Programming Laboratory	2017-18	Students are getting their hands on practice by doing the program based on C++ supporting object oriented programming , advanced features of C++ specifically stream I/O, templates and operator overloading.
PCC-EC603	Probability Theory and Stochastic Processes/ Random Variables and Stochastic Process	2017-18	At the end of this course students will demonstrate the ability to understand representation of random signals. Investigate characteristics of random processes. Make use of theorems related to random signals. To understand propagation of random signals in LTI systems.
PEC-EC 704.1	Introduction to Embedded Systems	2017-18	students will able to Understand the concept of Timer, Interrupt, I/O Port interfacing with Embedded system board. Design interfacing of the systems with other data handling / processing systems
PCC-EC801	Industrial Project	2017-18	Students will be able to apply their quick learning to provide the solution for routine problms in the form of an ideal working model using the differnt hardwre and software combinations.
PCC-EC802	Comprehensive Viva-Voice	2017-18	students get the chance to improve his communication skills and Able to face the
PCC-EE710	Professional Practices- IV Lab	2017-18	Knoweldge about industrial peripheral concepts.
PCC ME 606.2	Non Destructive Evaluation & Testing	2017-18	Students will be getting the latest knowldgfe of manufacturing processes
1MTIPE2	Metal Forming	2017-18	Understand the different types of defects, causes and apply their remedial measures in metal forming processes.
1MTIPE3	Metrology And Industrial Inspection	2017-18	Students can choose appropriate method and instruments for inspection of various gear elements and thread elements
1MTIPE4	Industrial Engineering Systems	2017-18	Develop skills in students to draw upon the fundamental knowledge, skills, and tools of Industrial engineering to develop scale-appropriate system-based engineering solutions that satisfy constraints imposed by a global society.
1MTIPE5	Total Quality Management	2017-18	Understand the use of use of several techniques and quality management tools
1MTIPE6	Manufacturing Lab	2017-18	Understand and analyze the concept of yield criteria applicable to different material deformation processes.
2MTIPE1	Advanced Optimization Techniques	2017-18	Unconstrained non linear optimization problems Constrained nonlinear optimization problems Artificial neural net work

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2MTIPE1	Advanced Computer Integrated Manufacturing System	2017-18	Analyze and Design appropriate automated assembly systems. Apply Computer aided process planning, MRP and CNC part programming
2MTIPE3	Machine Tool Design	2017-18	Demonstrate the inter-relationship between cutting parameters and machining performance measures like power requirement, cutting time, tool life and surface finish Analyze economics of machining operations
2MTIPE4	Supply Chain Management	2017-18	Understand the role of aggregate planning, inventory, IT and coordination in a supply chain
2MTIPE5.1	Human Resource Development & Industrial Relations	2017-18	To have an understanding of the basic concepts, functions and processes of human resource development. To be able to shape ethical behaviour of employees through right policies.
2MTIPE6	Cam Lab & Cad Lab	2017-18	Practicals based on designing of 3D CAD model and simulation. Working on CNC Lathe and CNC Milling machine.
MPHSW 104	Mental Health & Social work intervention	2017-18	Conduct advertisement workshop on mental health such as counseling, abnormal behaviour, Study, diagnosis and treatment /Discussion on creative ideas for counseling /Various case studies of abnormal behaviour and social system in order to better understand of human psychology / As counselor and psychiatric social worker in hospital and correctional field /work with client who are in stress and have abnormal behaviour
LLB803 PI	Private International Law	2017-18	Student will be able to : set out the conditions under which a court is competent to hear an action (the question of jurisdiction), determine by what law the rights of the parties are to be ascertained (the question of choice of law), specify the circumstances in which the foreign judgment can be recognised and enforced by action in England (the question of recognition and enforcement of foreign judgments, demonstrate the knowledge and understanding of the social, economic, moral and ethical context of conflict of laws, demonstrate an understanding of solutions to legal challenges arising from conflict of laws.

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LLM(1)102 CRP	COMPARATIVE CRIMINAL PROCEDURE	2017-18	<p>the students will be able to-</p> <p>1. Understand the adversarial system of criminal justice in motion for administration of Criminal justice, know the procedure of fair trial provided in Code of Criminal Procedure, 1973 for a just society, understand the formation of criminal courts, courts of judicial as well as executive magistrates involved in dispensing criminal justice, know the duties of citizens in maintaining law and order in society, know the power of police to arrest a person, discretion of courts to grant bail and rights of an arrestee and under trials, know the substantive provisions in respect of juveniles laid down in Juvenile Justice Act, know the reformatory provisions laid down under Probation of Offenders Act, Institute case for providing maintenance to persons entitled under section 125 of Cr.P.C1973.</p>
LLM(1) 202 CL-V	GENERAL PRINCIPLES OF TORTS	2017-18	<p>Student will be able to:</p> <p>evaluate & apply key concepts including strict & absolute liability, negligence, Defamation, Trespass etc, The practical implementation of Torts, Consumer protection, Motor vehicles act in solving the cases, create strategies & awareness of products & services by studying Consumer Protection Act.</p>
LLM(1) 203 CL-VI	SOCIO ECONOMIC CRIMES	2017-18	<p>Student will be able to Develop a nuanced understanding of diversity, development and dilemmas posed by diversity;</p> <p>(b) Appreciate the bases of India's geographic, socio-economic crimes;</p> <p>(c) Appreciate the sources of unity underlying the diversity;</p> <p>(d) Interrogate economic development, its inclusiveness and sustainability;</p> <p>(e) Understand and reflect on one's own geographical, economic and socio-cultural background vis-a-vis others; and</p> <p>(f) Correlate real world observations with the above stated objectives.</p>
BMLT-102	Basic Biochemistry-I	2017-18	<p>The course contents empowers the students with skill of antocoagulants preparation, It also provides the knowledge of cell structure & functioning, blood formation, identification of blood cells in peripheral blood smears and mechanism of cell injury.</p>
BMLT-103	General Microbiology	2017-18	<p>The course contents enriches the student with ability to prepare buffer solutions, solutions of different strength and cleaning of the glasswares. The students become familiar to the basic components of balanced diet, BMR etc.</p>
BMLT-104	Basic Pathology-I	2017-18	<p>This course provides knowledge about history of microbes, bacterial morphology, culture media, methods of cultivation of bacteria, growth and nutrition of bacteria & Structure and characteristics of virus, fungi & protozoa. It also provides the skill of sterilization and disinfection of objects.</p>

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BMLT-105	Human Anatomy & Physiology-I	2017-18	Students will have structural & functional concept of locomotion & transport, digestive system, excretory system, endocrinal system, muscular system and sensory organs. It also provides the concept the pathophysiology of diseases associated with these body system of human.
BMLT-106	*Professional Communication Skills	2017-18	This course enables the students to speak English, including the abilities to express their feelings with proper vocabulary and pronunciation. This course design also intends to guide students in achieving their career and lifelong goals by exhibiting balanced professional attitude in every walk of life.
BMLT-107P	General Microbiology Lab.	2017-18	This course skills the students to prepare the 1% sodium hypochlorite for discarding infectious material, various anticoagulant containers for blood collection, make blood smears and their staining for identification of various blood cells.
BMLT-108P	Basic Biochemistry-I Lab.	2017-18	This course enables the students to use glasswares & equipments, prepare the various solutions, buffers. The students also learn to perform diffusion, osmosis and dialysis.
BMLT-110P	Basic pathology-I Lab.	2017-18	This course makes the students skilled in using microscope, sterilising the lab objects, culturing and staining the microbes for their identification.
BMLT-111P	Human Anatomy & physiology-I lab	2017-18	Through this course, students will learn to perform clinical examination to GIT and muscle bulk, identify the human bones, tissue morphology of salivary gland, oral cavity, GIT, muscles & kidney of the human. Students will also learn to assess muscle reflex, nerve conduction.
BMLT-201	Basic Pathology-II	2017-18	This course enriches the students with knowledge of hemoglobinometry, hemocytometry, ESR, PCV, Bone marrow examination, pathology of inflammation, neoplasia and disturbance of body fluids.
BMLT-202	Basic Biochemistry-II	2017-18	This course provides the knowledge of transport of biomolecules across the membrane, chemistry of carbohydrates/lipids/proteins/nucleic acid/enzymes.
BMLT-203	Microbial Techniques	2017-18	Through this course, students will learn about different microscopy, microbial staining techniques, biochemical tests for bacterial identification, antibiotic sensitivity test and automation in the clinical microbiology.
BMLT-204	Human Anatomy & Physiology-II	2017-18	This course provides the theoretical concept of cardiovascular system, reproductive system, respiratory system, nervous system, body fluids, body temperature etc. Students will also learn the pathophysiology of diseases associated with body systems.
BMLT-205P	Practical 1 (Basic Pathology-II)	2017-18	This course skills the students to measure the hemoglobin, count the blood cells, determine the ESR/PCV and identify the tumor cells.
BMLT-206P	Practical 2 (Basic Biochemistry-II)	2017-18	Through this course, students will be able to perform qualitative determination carbohydrates/lipids/proteins etc.
BMLT-207P	Practical 3 (Microbial Techniques)	2017-18	This course will make the students able to perform staining, biochemical test, motility test, antibiotic sensitivity test and isolation of bacteria in pure culture.

BMLT-208P	Practical 4 (Human Anatomy & Physiology- ii)	2017-18	By this course, students will be able to measure pulse, BP, heart rate, body temperature. Students will also able to perform blood group determination, ECG, clinical examination of respiratory system, cardiovascular system, motor nerve system, respiratory movement etc.
BMLT-301	Clinical Hematology	2017-18	This course will learn about the hemostasis and associated disorders, anaemia, hemoglobinopathy, leucocytes abnormalities, hematological malignancies, special hematological tests and use of radioisotopes in hematology.
BMLT-302	Metabolic & Blood Biochemistry	2017-18	Students will learn about the metabolism of carbohydrates, lipid and protein & associated disorders. This course provides the concept of mechanism & diagnosis of diabetes, cholesterol & lipoprotein disorders and renal function test.
BMLT-303	Bacterial Pathogens & Associated Diseases	2017-18	By this course, students will have the knowledge of microflora of human body, bacterial toxins. Students will also learn about the morphology, pathogenesis & laboratory diagnosis of pathogenic bacteria & spirochetes, pathogenesis and laboratory diagnosis of bacterial diseases.
BMLT-304	Immunology	2017-18	This course provides the theoretical concept of immunity, cell & organs of immune system, complement system, humoral & cell mediated immunity, Ag-Ab reactions and their measurement.
BMLT-305	Preventive Medicine & Health Care	2017-18	Through this course, students will learn about water, air and noise pollution, infection & control, hygiene & sanitation, bacteriological examination of water & food, milk, epidemiology, prophylaxis immunization, health programme in india and introduction of nursing.
BMLT-306P	Practical 1 (Clinical Hematology)	2017-18	By this course, students learn to perform tests for diagnosis of bleeding disorders, anaemia, hematological malignancies, hemoglobinopathies and osmotic fragility test.
BMLT-307P	Practical 2 (Metabolic & Blood Biochemistry)	2017-18	This course skills the students to perform test for lipid profile, diagnosis and monitoring of diabetes, serum electrolyte concentration, renal function analysis.
BMLT-308P	Practical 3 (Bacterial Pathogens & Associated Diseases and Immunology)	2017-18	Through this course, students learn to perform test for isolation, identification of bacteria from biological samples. Students also learn to perform immunological test like immunodiffusion, hemagglutination & flocculation etc. and the tests for diagnosis of typhoid, UTI, TB, leprosy, syphilis and other bacteriological diseases.
BMLT-401	Histopathological Techniques	2017-18	In this course, students will learn about the histopathological specimens and their fixation, decalcification, tissue processing, section cutting, stain & staining of histopathological specimens, mounting and measurement techniques.
BMLT-402	Biochemical & Biophysical Techniques	2017-18	Through this course, students learn about the techniques like autoanalyser, spectroscopy, flame photometry, chromatography, electrophoresis, blood cell counter, ELISA, RIA, PCR, CLIA and ABG gas analyzer.

BMLT-403	Pathogenic Viruses	2017-18	This course provides the knowledge about the morphology, classification, cultivation & replication of viruses, and methods of diagnosis of viral diseases. Students also learn about the pathogenic viruses and the diseases caused by them.
BMLT-404	Clinical Pathology	2017-18	By this course, students will have knowledge of analysis of urine, stool, semen and other body fluids that help them in diagnosis of diseases. The students also learn about the role & techniques of pre-natal diagnosis and in-vitro fertility test.
BMLT-405P	Practical 1 (Histopathological Techniques)	2017-18	This course makes the students able to perform fixation, decalcification, tissue processing, section cutting of the histopathological specimen. Students will also be able to perform various staining procedure, mounting of the histopathological smears.
BMLT-406P	Practical 2 (Biochemical & Biophysical Techniques)	2017-18	In this course, students will perform tests for estimation of the metabolite concentration in the blood. Students also perform advance techniques like ELISA, PCR, electrophoresis, chromatography etc for detection, separation and estimation of various compound in the biological samples.
BMLT-407P	Practical 3 (Pathogenic Viruses)	2017-18	Through this course, students will be able to perform serological tests, CFT, isolation of viruses in chick embryonated egg for diagnosis of viral infection.
BMLT-408P	Practical 4 (Clinical Pathology)	2017-18	This course skills the students to perform various tests in urine, stool and body fluids. The students become able to know the procedures of amniocentesis, CVS and IVF.
BMLT-501	Blood Banking & Transfusion Medicine	2017-18	This course provides the theoretical & clinical concept of human blood group system, blood transfusion guideline, donor selection & donor blood collection, antibody & TTI screening in donor blood, blood component separation, donor - recipient compatibility testing, blood transfusion reaction and apheresis.
BMLT-502	Diagnostic Enzymes & Vitamins	2017-18	In this course, students will learn about enzymes inhibition, methods of estimation & significance of isoenzymes in various diseases. It also provides the knowledge about methods of estimation & role of vitamins, electrolyte in the various diseases.
BMLT-503	Clinical Mycology	2017-18	This course provides the knowledge about characteristics of fungi & fungal spore, Common laboratory diagnosis of mycoses. Students also learn about morphology, life cycle, culture characteristics, pathogenesis, infection with clinical feature and laboratory diagnosis of Subcutaneous Mycoses, Systemic Mycoses, Opportunistic Mycoses.
BMLT-504	Biostatistics & Computer Fundamentals	2017-18	This course provides knowledge about variable & data, Measure of central tendency, Measure of Variability, Probability and Standard Distributions, Correlation & Regression, Analysis of variance & covariance and sampling. Students will learn about basics of computer, MS office, internet, LAN etc.
BMLT-505P	Practical 1 (Blood Banking & Transfusion Medicine)	2017-18	This course skills the students to perform test for blood grouping, donor-recipient cross matching, antibody & transfusion transmitted infection screening. The students also learn to perform donor screening, blood component separation and apheresis.

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BMLT-506P	Practical 2 (Diagnostic Enzymes & Vitamins)	2017-18	Students will learn to perform tests for estimation of serum enzymes & vitamins concentration, diagnosis of liver, cardiac, muscle, bone and pancreatic diseases.
BMLT-507P	Practical 3 (Clinical Mycology)	2017-18	Students will learn to prepare culture media, perform staining and culture of fungus for their identification. This course provides the knowledge to perform tests for diagnosis of fungal diseases from biological specimens.
BMLT-601	Histo & Cytopathological Techniques	2017-18	Through this course, students will learn about methods for cytological studies in disease condition, demonstration of the biomolecules, microbes, enzymes in the tissues. It also provides the knowledge about cytogenetics and advanced techniques like flow cytometry, IHC, FISH and tissue culture.
BMLT-602	Hormones & Disorders	2017-18	This course provides concept of mechanism of action, metabolic & clinical effects of hormones. Students will learn about the pathogenesis, clinical features and lab diagnosis of hormonal disorders.
BMLT-603	Clinical Parasitology	2017-18	This course enriches the students with knowledge of properties, classification, methods of detection of the parasites. Students will also learn about life cycle, pathogenesis and laboratory diagnosis of the parasitic infection.
BMLT-604	Research Methodology	2017-18	This course provides the knowledge about Research and Literature, Research methodology, research design, research problems, Measurement & scaling techniques, methods of data collection.
BMLT-606P	Practical 1 (Histo & Cytopathological Techniques)	2017-18	Through this course, students become able to perform various staining of the carbohydrate, lipid, nucleic acid in the tissues, FNAC and cytological samples. Students will learn to perform IHC, FISH, karyotyping, LCB techniques for diagnosis of the diseases.
BMLT-607P	Practical 2 (Hormones & Disorders)	2017-18	This course provides knowledge to perform test for estimation of hormones in the serum, demonstration of the stimulation test, thyroid function test, infertility test for diagnosis of the various endocrinal and non-endocrinal diseases.
BMLT-608P	Practical 3 (Clinical Parasitology)	2017-18	Through this course, students will learn to perform ELISA and rapid test, blood, stool and body fluid examination for identification of parasites and diagnosis of the parasitic infections.
BMLT-701	Immunopathology	2017-18	In this course, students will learn about hypersensitivity, autoimmune disease, HLA system & its role in transplantation, introduction to the stem cell and diagnostic molecular pathology.
BMLT-702	Advance Biochemical Techniques	2017-18	This course provides the knowledge about introduction of cancer, mechanism of carcinogenesis, methods for tumour markers detection, tumour markers, clinical toxicology, blotting techniques and radioisotopes and its application in diagnosis and treatment.
BMLT-703	Advance Microbial Techniques	2017-18	This course gives knowledge about transport and processing of clinical samples, methods for identifying the unknown organism in sample, Laboratory strategy in the diagnosis of various infective syndromes, Sero-diagnosis for microbial diseases.

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BMLT-704	Entrepreneurship and Quality Laboratory Management	2017-18	This course provides theoretical concept of management and its functions, Organizing process, Directing-Communication process, Purchasing and store management, Marketing Management, Management Laws, Introduction to Quality control, Quality assurance charts, CAPA, concept of six sigma and Current trends in laboratory accreditation.
BMLT-705	Medical Jurisprudence	2017-18	Through this course, students will learn about Medical Law & ethics, Basic introduction to forensic medicine, Forensic Science Laboratory, Clinical Forensic Medicine, Medicolegal Identification and Forensic Toxicology.
BMLT-705P	Practical 1 (Immunopathology)	2017-18	In this course, students will learn to perform 1. Perform skin test for detection of allergy, Do tissue typing test for compatibility of graft between donor and recipients, Estimate the immunoglobulin concentration in the serum, demonstrate tissue typing for transplantation technology.
BMLT-706P	Practical 2 (Advance Biochemical Techniques)	2017-18	This course provides knowledge to perform test for estimate tumor marker concentration in the serum, detection of heavy metals in the patient's sample, detection of drugs abused in the biological sample and blotting techniques.
BMLT-707P	Practical 3 (Advance Microbial Techniques)	2017-18	Through this course, students will learn to process the biological sample for diagnosis of infection, Perform serological test for diagnosis of infection and Check the sterility of Air, water, I.V fluids from hospital.
BMLT-801	Six Month's Training with An Analytical Project)	2017-18	Training provides professional attitude and practical knowledge about work and ethics of different departments hematology, clinical pathology, histocytology, blood bank, biochemistry, microbiology etc of the hospital.
BCD-101	Computer Fundamentals	2017-18	The course content provides skills related to the better understanding of computer hardware and software. Students will also be able to work on Microsoft Word, Excel and Powerpoint.
BCD-102	Fundamentals of Biochemistry	2017-18	Skills related to analyzing the sample qualitatively for different nutrients like carbohydrates, protein and nucleic acids. Students will also be able to have skilled training in operating laboratory instrument.
BCD-103	General Microbiology	2017-18	The activities and course content will provide skills related to General bacteriology and microbial techniques for isolation of pure cultures of bacteria, fungi and algae as well as better understanding of the causation factors and pathogens which are responsible for various diseases.
BCD-104	Basic Nutrition	2017-18	This course is designed to educate the students about nutrients, their food sources as well as their importance in maintaining healthy human life. So this course provides skills related to the planning and implementation of diet which is required to maintain the nutritional status of the community people.
BCD-105	Basic Dietetics	2017-18	The skills related to the planning of different types of hospital diets, modified diets for different life style disorders will be provided by the course content.

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BCD-106	Professional Communication Skills	2017-18	This course enables the students to speak English, including the abilities to express their feelings with proper vocabulary and pronunciation. This course design also intends to guide students in achieving their career and lifelong goals by exhibiting balanced professional attitude in every walk of life.
BCD-107P	General Microbiology Lab	2017-18	The course content will enable the students to understand different approaches to isolate sub-cellular molecules/organelles and technicalities of microbial cultures, counting and staining methods, physiological analysis under microscope.
BCD-108P	Fundamentals of Biochemistry Lab	2017-18	The students will be able to handle different analytical instruments as well as analysis of food sample qualitatively for carbohydrates, protein and nucleic acids.
BCD-201	Clinical Nutrition	2017-18	This course provides skill related to therapeutic diet planning to the students which will help them to set up their private Diet Clinics as well as they can work as a Clinical Nutritionist in the Hospitals.
BCD-202	Vitamins And Mineral Nutrients	2017-18	The course content will provide detail regarding micronutrients like vitamins and Minerals, their food sources as well as role in body metabolism and human health. These will enable students to plan dietary guidelines for the patients seeking nutritional advice.
BCD-203	Basic Molecular Biology	2017-18	This course will extend understanding of the molecular mechanisms via which genetic information is stored and expressed, regulated and transmitted among generations. So course will provide skill related to basic techniques used in genetic engineering.
BCD-204	Family Meal Management	2017-18	This course enables students to adopt skills related to meal planning according to the requirement of different age groups which ensures their future as a Meal Planner for Family.
BCD-206	Human Anatomy and Physiology II	2017-18	Skills related to assessment of Blood pressure, Heart Rate, Pulse, Respiration Rate, Body Temperature, recording of electrocardiogram, Blood Group, Complete Blood Count, Radial pulse and Arterial pulse using sphygmograph.
BCD-209P	Human Anatomy and Physiology I Lab	2017-18	Skills related to assessment of Blood pressure, Heart Rate, Pulse, Respiration Rate, Body Temperature, recording of electrocardiogram, Blood Group, Complete Blood Count, Radial pulse and Arterial pulse using sphygmograph.
BCD-301	Therapeutic Nutrition	2017-18	This course provides skill related to planning a diet for chronic diseases to the students which will help them to set up their private Diet Clinics as well as they can work as a Dieticians in the Hospitals.
BCD-302	Nutritional Biochemistry	2017-18	This course enables the students to get skills related to estimation of different components in urine and blood and their diagnostic significance for various health conditions
BCD-303	Community Nutrition	2017-18	This course provides knowledge and skills related to nutritional assessment of the community people which will provide employability in government funded projects, Non-Government Organizations and may involve in the other research work for community Health and Nutrition.


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BCD-304	Food Commodities I	2017-18	This Course will provide skills related to processing of different food commodities including cereals, pulses, nuts, oilseeds, vegetables and fruits.
BCD-306P	Therapeutic Nutrition Lab	2017-18	After this course, students will be able to plan and prepare different therapeutic diets which is responsible for the nutritional management of diseased person and students will also be able to plan suggest different therapeutic recipes for Nutritional Deficiency Disorders.
BCD-307P	Community Nutrition Lab	2017-18	Students will get the skills related to the nutritional assessment of the community people and development of different audio-visual aids for the nutrition education and Nutritional Awareness.
BCD-309P	Nutritional Biochemistry Lab	2017-18	From this course, students will get practical knowledge about estimation techniques used for sugar such as glucose, fructose, maltose and lactose. Students will also be able to estimate different components in urine and blood.
BCD-401	Food Microbiology, Sanitation And Hygiene	2017-18	Students will be able to perform preservation techniques of different food commodities as well as quality control measures and strategies in food systems.
BCD-403	Food Preservation	2017-18	This course provides skill related to different food preservation techniques which will help the students for establishment of their own set up for manufacturing of Processed Food.
BCD-404	Preventive Nutrition	2017-18	This course enables students to formulate preventive and curative measure in context with nutrition to solve community health problems which will provide them opportunity to formulate programs and policies with government policy makers.
BCD-406P	Food Microbiology Lab	2017-18	After completion of this course, students will be able to prepare nutrient media, sterilization and inoculation techniques, identification of food pathogen in water, milk, cereals, pulses, oilseeds, meat and poultry and microbial examination of natural food products.
BCD-407P	Food Commodities Lab	2017-18	The students will acquire analytical skills about physiochemical and rheological properties of cereals, testing of physical and quality parameters for different food commodities and analysis of quality of water used in industries for different purpose.
BCD-408P	Food Preservation Lab	2017-18	This course will enable students to develop different food products by using different types of Food Preservatives.
BCD-501	Food Fortification	2017-18	This course provides skill related to different food fortification techniques which will help the students for establishment of their own set up for manufacturing of enriched, fortified and value added food products like cereal, beverages etc.
BCD-502	Food Toxicology and Safety	2017-18	Students will be able to identify food safety hazards and their controlling measures and explain the role of food hygiene and effective food handling in day to day life. This course will provide the skills related to apply a range of food quality systems and prepare a food safety plan.
BCD-503	Food Adulteration	2017-18	Students will be able to determine different adulteration, additives, colorants and sweeteners and toxins present in the food.

BCD-504	Food Service Management	2017-18	This is basically entrepreneurship skill development course which enables students to set their own food service establishment.
BCD-505	Research Methodology and Statistics	2017-18	Students will develop the skill of independent thinking for critically analyzing and writing research reports. This course enables them to choose the right statistical technique to be used with the research method and to understand when to apply which statistical procedure.
BCD-506P	Food Analysis Lab	2017-18	The student will have a in hand experience about the principles, methods, and techniques of qualitative and quantitative physical, chemical and biochemical analyses of foods.
BCD-507P	Food Service Management Lab	2017-18	After completion of this course, students will have all the skills required to establish a food service institutions and related aspects.
BCD-602	Nutrition in Special Conditions	2017-18	Students will able to plan specific nutritional guidelines during some specific conditions like high performance diet during different sports activity, nutrition in zero gravity for astronauts, nutrition during trekking and on higher altitudes, nutrition for military persons during their military operations etc
BPTHA201	Human Anatomy-II	2017-18	Student can enrol into MSc. Anatomy & can further can pursue career in Department of Anatomy
BPTHP202	Human Physiology-II	2017-18	Student can enrol into MSc. Anatomy & can further can pursue career in Department of Physiology
BPTCB505	Community Based Rehabilitation	2017-18	In this the student learn about the prospects of working at the community level & healthcare system at the rural level which gives him knowledge to carry out healthcare services at the primary level.
BPTSH602	Physiotherapy in Surgery & Hand	2017-18	This enables the student to treat & comprehensively rehabilitate the patients suffering from post-surgical ailments & general hand conditions.
BPTOC701	Physiotherapy in Orthopedic Conditions-I	2017-18	The student learns to treat different musculoskeletal conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
BPTOC801	Physiotherapy in Orthopedic Conditions-II	2017-18	The student learns to treat different musculoskeletal conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
BPTNC702	Physiotherapy in Neurological Conditions-I	2017-18	The student learns to treat different neurological conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
BPTNC802	Physiotherapy in Neurological Conditions-II	2017-18	The student learns to treat different neurological conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
BPTOC 703	Physiotherapy In Obstetrics, Gynecology & Pediatrics	2017-18	The student learns to treat pre-natal, ante-natal & post-natal conditions & pre & post operative rehabilitation that also include physiotherapy for In-Patient & out-patient. A comprehensive rehabilitation of ailments related to children
BPTBR705	Research Methodology And Biostatistics	2017-18	The students learn about performance of research, performing statistical tests, writing research papers for the scientific development of the institute & fraternity

MPTRM102	Research Methodology And Bio-Statistics	2017-18	The students learn about performance of research, performing statistical tests, writing research papers for the scientific development of the institute & fraternity
BPTCC803P	Physiotherapy in Cardiorespiratory Conditions	2017-18	The student learns to treat different cardiorespiratory conditions & operative rehabilitation that also include physiotherapy for In-Patient, out-patient & ICU's.
BPTEA804P	Eclectic Approaches in Physiotherapy	2017-18	The student learns to treat different approaches pertaining to efficient clinical practice & advanced techniques in rehabilitation for faster recovery of the patient.
MPTNP401	Rehabilitation in Physiotherapy Conditions (Orthopedics & Sports) –II	2017-18	The student learns to treat different musculoskeletal conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient. The student also learns to treat athletes on-field & off-field. This opens a huge prospect of Sports Physiotherapy which is of much requirement & need in the field of Sports
MPTNP 401	Rehabilitation in Physiotherapy Conditions (Orthopedics & Manual Therapy) –II	2017-18	The student learns to treat different musculoskeletal conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient. The student also learns to have comprehensive skills in Manual therapy & efficient treatment of patients
MPTNP302	Rehabilitation in Physiotherapy Conditions (Neurology & Psychosomatic Disorders) –I	2017-18	The student learns to treat different neurological conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
MPTNP401	Rehabilitation in Physiotherapy Conditions (Neurology & Psychosomatic Disorders) –II	2017-18	The student learns to treat different neurological conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
BP101T	Human Anatomy and Physiology I–Theory	2017-18	1. Understanding terminology, structure, function, and interdependence of systems within the human body. 2. To understand the coordinated working pattern of different organs of each system.
BP102T	Pharmaceutical Analysis I – Theory	2017-18	1. Developing the fundamentals of analytical chemistry. 2. Understanding the principles of volumetric and electro chemical analysis and carryout various volumetric and electrochemical titrations.
BP103T	Pharmaceutics I – Theory	2017-18	1. Understanding the fundamental knowledge on the preparatory pharmacy of various dosage forms. 2. Understanding the professional way of handling the prescription and preparation of various conventional dosage forms.
BP104T	Pharmaceutical Inorganic Chemistry –Theory	2017-18	1. Knowing sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals. 2. Understanding the medicinal and pharmaceutical importance of inorganic compounds.

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BP105I	Communication skills- Theory *	2017-18	<ol style="list-style-type: none"> 1. Understanding the behavioral needs for a Pharmacist to function effectively in the areas of pharmaceutical operation. 2. Communication building for effective management of the team.
BP106RBT	Remedial Biology- Theory	2017-18	<ol style="list-style-type: none"> 1. Learning the classification and salient features of five kingdoms of life. 2. Understanding the basic components of anatomy & physiology of plant.
BP106RMT	Remedial Mathematics- Theory	2017-18	<ol style="list-style-type: none"> 1. Applying mathematical concepts and principles in carrying computations for Pharmaceutical Sciences like in forming ledger in pharmacy stores. 2. Understanding the role of calculations during research in pharmacy.
BP107P	Human Anatomy and Physiology –Practical	2017-18	<ol style="list-style-type: none"> 1. Understanding terminology, structure, function, and interdependence of systems within the human body. 2. To understand the coordinated working pattern of different organs of each system.
BP108P	Pharmaceutical Analysis I – Practical	2017-18	<ol style="list-style-type: none"> 1. Developing the fundamentals of analytical chemistry. 2. Understanding the principles of volumetric and electro chemical analysis and carryout various volumetric and electrochemical titrations.
BP109P	Pharmaceutics I – Practical	2017-18	<ol style="list-style-type: none"> 1. Understanding the fundamental knowledge on the preparatory pharmacy of various dosage forms. 2. Understanding the professional way of handling the prescription and preparation of various conventional dosage forms.
BP110P	Pharmaceutical Inorganic Chemistry –Practical	2017-18	<ol style="list-style-type: none"> 1. Knowing sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals. 2. Understanding the medicinal and pharmaceutical importance of inorganic compounds.
BP111P	Communication skills – Practical*	2017-18	<ol style="list-style-type: none"> 1. Understanding the behavioral needs for a Pharmacist to function effectively in the areas of pharmaceutical operation. 2. To communicate effectively and manage the team as a team player.
BP112RBP	Remedial Biology – Practical*	2017-18	<ol style="list-style-type: none"> 1. Learning the classification and salient features of five kingdoms of life. 2. Understanding the basic components of anatomy & physiology of plant.
BP201T	Human Anatomy and Physiology II – Theory	2017-18	<ol style="list-style-type: none"> 1. To understand the gross morphology, structure and functions of various organs of the human body. 2. To identify the various tissues and organs of different systems of human body.
BP202T	Pharmaceutical Organic Chemistry I – Theory	2017-18	<ol style="list-style-type: none"> 1. To understand mechanisms and orientation of reactions. 2. To learn the identification of organic compound.

BP203T	Biochemistry – Theory	2017-18	<ol style="list-style-type: none"> 1. To understand metabolism of nutrient molecules in physiological and pathological conditions. 2. To understand the catalytic role of enzymes.
BP204T	Pathophysiology – Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the mechanisms and etiological conditions of a disease. 2. Understanding signs, symptoms and complications of the diseases.
BP205T	Computer Applications in Pharmacy – Theory *	2017-18	<ol style="list-style-type: none"> 1. To know the various types of application of computers in pharmacy. 2. To know the usage of various types of databases.
BP206T	Environmental sciences – Theory *	2017-18	<ol style="list-style-type: none"> 1. To impart basic knowledge about the environment and its allied problems. 2. To acquire skills to help the concerned individuals in identifying and solving environmental problems.
BP207P	Human Anatomy and Physiology II – Practical	2017-18	<ol style="list-style-type: none"> 1. To understand the gross morphology, structure and functions of various organs of the human body. 2. To identify the various tissues and organs of different systems of human body.
BP208P	Pharmaceutical Organic Chemistry I – Practical	2017-18	<ol style="list-style-type: none"> 1. To understand mechanisms and orientation of reactions. 2. To learn the identification of organic compound.
BP209P	Biochemistry – Practical	2017-18	<ol style="list-style-type: none"> 1. To understand metabolism of nutrient molecules in physiological and pathological conditions. 2. To understand the catalytic role of enzymes.
BP210P	Computer Applications in Pharmacy – Practical*	2017-18	<ol style="list-style-type: none"> 1. To know the various types of application of computers in pharmacy. 2. To know the usage of various types of databases.
BP301T	Pharmaceutical Organic Chemistry II – Theory	2017-18	<ol style="list-style-type: none"> 1. To write the structure, name and the type of isomerism of the organic compound. 2. To write the reaction, name the reaction and orientation of reactions.
BP302T	Physical Pharmaceutics I – Theory	2017-18	<ol style="list-style-type: none"> 1. To understand various physicochemical properties of drug molecules in the designing the dosage forms. 2. To know the principles of chemical kinetics & to use them for stability testing.
BP303T	Pharmaceutical Microbiology – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand methods of identification, cultivation and preservation of various microorganisms 2. To understand the importance and implementation of sterilization in pharmaceutical processing and industry
BP304T	Pharmaceutical Engineering – Theory	2017-18	<ol style="list-style-type: none"> 1. To know various unit operations used in Pharmaceutical industries. 2. To understand the material handling techniques and perform various processes involved in pharmaceutical manufacturing process
BP305P	Pharmaceutical Organic Chemistry II – Practical	2017-18	<ol style="list-style-type: none"> 1. To write the structure, name and the type of isomerism of the organic compound. 2. To write the reaction, name the reaction and orientation of reactions.
BP306P	Physical Pharmaceutics I – Practical	2017-18	<ol style="list-style-type: none"> 1. To understand various physicochemical properties of drug molecules in the designing the dosage forms. 2. To know the principles of chemical kinetics & to use them for stability testing.

BP307P	Pharmaceutical Microbiology – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand methods of identification, cultivation and preservation of various microorganisms 2. To understand the importance and implementation of sterilization in pharmaceutical processing and industry
BP308P	Pharmaceutical Engineering – Practical	2017-18	<ol style="list-style-type: none"> 1. To know various unit operations used in Pharmaceutical industries. 2. To understand the material handling techniques and perform various processes involved in pharmaceutical manufacturing process
BP401T	Pharmaceutical Organic Chemistry III – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the methods of preparation and properties of organic compounds 2. To know the stereo chemical aspects of organic compounds and stereo chemical reactions
BP402T	Medicinal Chemistry I – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the chemistry of drugs with respect to their pharmacological activity 2. Know the Structural Activity Relationship (SAR) of different class of drugs
BP403T	Physical Pharmaceutics II – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand various physicochemical properties of drug molecules in the designing the dosage forms 2. Know the principles of chemical kinetics & to use them for stability testing and determination of expiry date of formulations
BP404T	Pharmacology I – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the pharmacological actions of different categories of drugs. 2. Learn the mechanism of drug action at organ system/sub cellular/ macromolecular levels.
BP405T	Pharmacognosy and Phytochemistry I – Theory	2017-18	<ol style="list-style-type: none"> 1. To know the techniques in the cultivation and production of crude drugs. 2. To know the crude drugs, their uses and chemical nature and evaluation techniques for the herbal drugs.
BP406P	Medicinal Chemistry I – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand the chemistry of drugs with respect to their pharmacological activity 2. Know the Structural Activity Relationship (SAR) of different class of drugs
BP407P	Physical Pharmaceutics II – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand various physicochemical properties of drug molecules in the designing the dosage forms 2. Know the principles of chemical kinetics & to use them for stability testing and determination of expiry date of formulations
BP408P	Pharmacology I – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand the pharmacological actions of different categories of drugs. 2. Learn the mechanism of drug action at organ system/sub cellular/ macromolecular levels.
BP409P	Pharmacognosy and Phytochemistry I – Practical	2017-18	<ol style="list-style-type: none"> 1. To know the techniques in the cultivation and production of crude drugs. 2. To know the crude drugs, their uses and chemical nature and evaluation techniques for the herbal drugs.

BP501T	Medicinal Chemistry I – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the drug metabolic pathways, adverse effect and therapeutic value of drugs. 2. Study the chemical synthesis of selected drugs.
BP502T	Industrial Pharmacy – Theory	2017-18	<ol style="list-style-type: none"> 1. Know the various pharmaceutical dosage forms and their manufacturing techniques. 2. Know various considerations in development of pharmaceutical dosage forms
BP503T	Pharmacology II – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the mechanism of drug action and its relevance in the treatment of different diseases. 2. Demonstrate isolation of different organs/tissues from the laboratory animals by simulated experiments 3. To understand the pharmacology of drugs acting on various body systems.
BP504T	Pharmacognosy and Phytochemistry II – Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the modern extraction techniques, characterization and identification of the herbal drugs and phytoconstituents 2. Understanding the preparation and development of herbal formulation.
BP505T	Pharmaceutical Jurisprudence – Theory	2017-18	<ol style="list-style-type: none"> 1. To understand the Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals. 2. To understand the various Indian pharmaceutical Acts and Law. 3. To understand the regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals.
BP506P	Industrial Pharmacy – Practical	2017-18	<ol style="list-style-type: none"> 1. Know the various pharmaceutical dosage forms and their manufacturing techniques. 2. Know various considerations in development of pharmaceutical dosage forms
BP507P	Pharmacology II – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand the mechanism of drug action and its relevance in the treatment of different diseases. 2. Demonstrate isolation of different organs/tissues from the laboratory animals by simulated experiments 3. To understand the pharmacology of drugs acting on various body systems.
BP508P	Pharmacognosy and Phytochemistry II – Practical	2017-18	<ol style="list-style-type: none"> 1. To know the modern extraction techniques, characterization and identification of the herbal drugs and phytoconstituents 2. To understand the preparation and development of herbal formulation.
BP601T	Medicinal Chemistry III – Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding modern techniques of rational drug design like QSAR, Prodrug concept, combinatorial chemistry and Computer aided drug design (CADD). 2. Understanding the importance of SAR of drugs.
BP602T	Pharmacology III – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the mechanism of drug action and its relevance in the treatment of different infectious diseases. 2. Comprehend the principles of toxicology and treatment of various poisonings.

BP603T	Herbal Drug Technology – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand raw material as source of herbal drug from cultivation to herbal drug product. 2. Know the WHO and ICH guidelines for evaluation of herbal drugs.
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the basic concepts in biopharmaceutics and pharmacokinetics and their significance. 2. To understand the concepts of bioavailability and bioequivalence of drug products and their significance.
BP605T	Pharmaceutical Biotechnology – Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the importance of Immobilized enzymes in Pharmaceutical Industries. 2. Genetic engineering applications in relation to production of pharmaceuticals.
BP606T	Quality Assurance – Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the cGMP aspects in a pharmaceutical industry. 2. Understanding the scope of quality certifications applicable to pharmaceutical industries.
BP607T	Medicinal chemistry III – Practical	2017-18	<ol style="list-style-type: none"> 1. Understanding modern techniques of rational drug design like QSAR, Prodrug concept, combinatorial chemistry and Computer aided drug design (CADD). 2. Understanding the importance of SAR of drugs.
BP608P	Pharmacology III – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand the mechanism of drug action and its relevance in the treatment of different infectious diseases. 2. Comprehend the principles of toxicology and treatment of various poisonings.
BP609P	Herbal Drug Technology – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand raw material as source of herbal drugs from cultivation to herbal drug product. 2. Know the WHO and ICH guidelines for evaluation of herbal drugs.
BP701T	Instrumental Methods of Analysis – Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the interaction of matter with electromagnetic radiations and its applications in drug analysis 2. Understanding the chromatographic separation and analysis of drugs.
BP702T	Industrial PharmacyII – Theory	2017-18	<ol style="list-style-type: none"> 1. Knowing the process of pilot plant and scale up of pharmaceutical dosage forms 2. Understanding the process of technology transfer from lab scale to commercial batch 3. Knowing different Laws and Acts that regulate pharmaceutical industry.
BP703T	Pharmacy Practice – Theory	2017-18	<ol style="list-style-type: none"> 1. Monitor drug therapy of patient through medication chart review and clinical review 2. Obtain medication history interview and counsel the patients 3. Know pharmaceutical care services 4. Do patient counseling in community pharmacy; 5. Appreciate the pharmacy stores management and inventory control

BP704T	Novel Drug Delivery System – Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding various approaches for development of novel drug delivery systems. 2. Understanding the criteria for selection of drugs and polymers for the development of Novel drug delivery systems, their formulation and evaluation
BP705P	Instrumental Methods of Analysis – Practical	2017-18	<ol style="list-style-type: none"> 1. Understand the interaction of matter with electromagnetic radiations and its applications in drug analysis 2. Understand the chromatographic separation and analysis of drugs.
BP706PS	Practice School*	2017-18	<ol style="list-style-type: none"> 1. Monitor drug therapy of patient through medication chart review and clinical review 2. Obtain medication history interview and counsel the patients 3. Know pharmaceutical care services 4. Do patient counseling in community pharmacy; 5. Appreciate the pharmacy stores management and inventory control
BP801T	Biostatistics and Research Methodology	2017-18	<ol style="list-style-type: none"> 1. Know the operation of M.S. Excel, SPSS, R and MINITAB®, DoE (Design of Experiment) 2. Know the various statistical techniques to solve statistical problems
BP802T	Social and Preventive Pharmacy	2017-18	<ol style="list-style-type: none"> 1. To acquire high consciousness/realization of current issues related to health and pharmaceutical problems within the country and worldwide. 2. Evaluate alternative ways of solving problems related to health and pharmaceutical issues
BP803ET	Pharma Marketing Management	2017-18	<ol style="list-style-type: none"> 1. To understand the marketing concepts and techniques and their applications in the pharmaceutical industry. 2. To develop the key skills that promises the pharmacy graduates to enter the product development in pharmaceutical marketing sector.
BP804ET	Pharmaceutical Regulatory Science	2017-18	<ol style="list-style-type: none"> 1. Know about the process of drug discovery and development 2. Know the regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals
BP805ET	Pharmacovigilance	2017-18	<ol style="list-style-type: none"> 1. International standards for classification of diseases and drugs. 2. To understand adverse drug reaction reporting systems and communication in pharmacovigilance. 3. To understand methods to generate safety data during pre clinical, clinical and post approval phases of drugs' life cycle. 4. To understand drug safety evaluation in paediatrics, geriatrics, pregnancy and lactation.
BP806ET	Quality Control and Standardization of Herbals	2017-18	<ol style="list-style-type: none"> 1. To learn about the various methods and guidelines for evaluation and standardization of herbs and herbal drugs. 2. To know the regulatory approval process and their registration in Indian and international markets.

BP807ET	Computer Aided Drug Design	2017-18	<ol style="list-style-type: none"> 1. To learn rational drug design process and various techniques used in rational drug design process. 2. To understand Design and discovery of lead molecules.
BP808ET	Cell and Molecular Biology	2017-18	<ol style="list-style-type: none"> 1. To summarize cell and molecular biology history. 2. To summarize cellular functioning and composition. 3. To understand the chemical foundations of cell biology, DNA properties of cell biology, and protein structure and function.
BP809ET	Cosmetic Science	2017-18	<ol style="list-style-type: none"> 1. To learn the classification of cosmetic and cosmeceutical products and their formulations. 2. To understand the evolution of cosmeceuticals from cosmetics, cosmetics as quasi and OTC drugs.
BP810ET	Experimental Pharmacology	2017-18	<ol style="list-style-type: none"> 1. To understand the applications of various commonly used laboratory animals. 2. To demonstrate the various screening methods used in preclinical research.
BP811ET	Advanced Instrumentation Techniques	2017-18	<ol style="list-style-type: none"> 1. To understand the advanced instruments used and its applications in drug analysis 2. To understand the chromatographic separation and analysis of drugs, calibration of various analytical instruments 3. To know analysis of drugs using various analytical instruments.
BP812ET	Dietary Supplements and Nutraceuticals	2017-18	<ol style="list-style-type: none"> 1. Understand the need of supplements by the different group of people to maintain healthy life. 2. Understand the outcome of deficiencies in dietary supplements.
BP813PW	Project Work	2017-18	<ol style="list-style-type: none"> 1. To carry out the project work on any topic related to pharmaceutical sciences. 2. To undergo literature survey on topic, observations, and statistical analysis of the collected data.
DPHAM101	Pharmaceutics-I, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding different dosage form and their classification, manufacturing process and uses. 2. Learning the packing of pharmaceuticals and their size reduction, size separation, mixing, drying, filtration, extraction, distillation and sterilization processes.
DPHAM102	Pharmaceutical Chemistry-I, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the concepts of Acid and basis, Antioxidants, Gastrointestinal agents, Topical agents, Dental products, Inhalants, Respiratory stimulants, Expectorants and Emetics, Antidotes, Inorganic official compounds, Major intra and extracellular electrolytes. 2. Understanding the radiopharmaceutical and contrast media, Quality control of drugs and pharmaceuticals and Identification tests and Limit tests used to detect impurities in pharmaceutical substance as per Indian Pharmacopoeia.

DPHAM103	Pharmacognosy, Theory	2017-18	<p>1. Understanding the cultivation and utilization aspects of drugs.</p> <p>2. Understanding the techniques of extraction, identification, separation of natural compounds and their identification through morphological characters, physical and chemical tests.</p>
DPHAM104	Biochemistry & Clinical Pathology, Theory	2017-18	<p>1. Understanding of the basics of biochemistry, sources, chemical structures, metabolism and biological functions of biomolecules</p> <p>2. Evaluation of clinical diagnoses, detection and diagnosis of unsuspected disease, study of the cause, nature, development of disease and clinical significance.</p>
DPHAM105	Human Anatomy & Physiology, Theory	2017-18	<p>1. Recognizing the anatomical structures and explain the physiological functions of body systems (Respiratory, Cardiovascular, Digestive, Urinary system including all sense organs).</p> <p>2. Understanding the characteristics, components and functions of the central, peripheral, autonomic nervous system, cell, tissues, blood and different endocrine hormones.</p>
DPHAM106	Health Education & Community Pharmacy, Theory	2017-18	<p>1. Understanding the concepts of health, nutritional values, first aids and family plannings.</p> <p>2. Understanding the basic principles of diagnosis and management of several communicable and non-communicable diseases.</p>
DPHAM101P	Pharmaceutics-I, Practical	2017-18	<p>1. Preparing the different dosage forms like aromatic waters, solutions, spritis, tinctures, extracts, creams, capsules and tablets.</p> <p>2. Packaging and labeling of different dosage forms like aromatic waters, solutions, spritis, tinctures, extracts, creams, capsules and tablets</p>
DPHAM106P	Pharmaceutical Chemistry-I, Practical	2017-18	<p>1. Identifying various inorganic compounds and pharmaceuticals, 2. Applying limit test for various heavy metals and assay of inorganic pharmaceuticals either by acid base titrations, redox titrations, precipitation titrations or complexometric titrations.</p>
DPHAM107P	Pharmacognosy, Practical	2017-18	<p>1. Identifying various drugs by morphological characters, perform their physical and chemical tests and do their gross anatomical studies.</p>
DPHAM108P	Biochemistry & Clinical Pathology, Practical	2017-18	<p>1. Understanding methods for detection and identification of proteins, carbohydrates, lipids and analysis of various normal and abnormal constituents of blood and urine.</p>
DPHAM109P	Human Anatomy & Physiology, Practical	2017-18	<p>1. Understanding body physiological systems, examining blood films for various blood counts</p> <p>2. Analysing various paramaters of body system, determining blood clotting time, erythrocyte sedimentation rate and haemaoglobin value.</p>
DPHAM201	Pharmaceutics-II, Theory	2017-18	<p>1. Knowing about compounding and dispensing of pharmaceutical formulations.</p> <p>2. Learning about the dispensing pharmacy and dispensed medications of solid, liquid, semisolid, dental, cosmetic and sterile dosage forms.</p>

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DPHAM202	Pharmaceutical Chemistry-II, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the chemical structures and nomenclature of medicinal drugs. 2. Learning the storage and distribution of medications in pharmacies open to the public and hospital pharmacies.
DPHAM203	Pharmacology & Toxicology, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the mechanism, therapeutic application and adverse effects of various classes of drugs. 2. Understanding the side effects or unintentional actions of the drug and toxicity of drugs.
DPHAM204	Pharmaceutical Jurisprudence, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the pharmaceutical legislation, various Acts and Rules amended for the wellbeing of pharmacy profession, about Principles, Professional and Pharmaceutical Code and Ethics.
DPHAM205	Drug Store and Business Management, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding on integration of different managerial functions, managing up 2. Learning about different problems in starting a business or organization and strategies to increase the promotion and salesmanship in running organization.
DPHAM206	Hospital & Clinical Pharmacy, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding about various function of hospital and hospital pharmacy, various in-patient and out-patients services, manufacturing within hospital. 2. Learning about the various diseases their causative agents, diseases cycle, laboratory protocols for detection and methods of control and prevention of diseases.
DPHAM207P	Pharmaceutics-II, Practical	2017-18	<ol style="list-style-type: none"> 1. Compounding and dispensing of various pharmaceutical formulations like mixtures, emulsions, lotions liniments etc. 2. Understanding various dosage forms, their formulation design, their packaging, labeling.
DPHAM208P	Pharmaceutical Chemistry-II, Practical	2017-18	<ol style="list-style-type: none"> 1. Preparing organic compounds and do elemental and functional group analysis by the help of various detection tests. 2. Identifying certain groups of drugs like barbiturates, sulfonamides, phenothiazines etc. included in I.P with the help of official tests.
DPHAM209P	Pharmacology & Toxicology, Practical	2017-18	<ol style="list-style-type: none"> 1. Understanding the practical knowledge in the effects of drugs using animals in computer based softwares.
DPHAM210P	Hospital & Clinical Pharmacy, Practical	2017-18	<ol style="list-style-type: none"> 1. Preparing transfusion fluids, evaluation of surgical materials, and handling of data processing equipments.
PHAMD101	Human Anatomy and Physiology, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the terminology, structure, function, and interdependence of systems within the human body. 2. Understanding the coordinated working pattern of different organs of each system.
PHAMD102	Pharmaceutics, Theory	2017-18	<ol style="list-style-type: none"> 1. Understand the formulation aspects of different dosage forms 2. Performing different pharmaceutical calculation involved in formulation; 3. Formulate different types of dosage forms.

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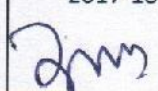
PHAMD103	Medicinal Biochemistry, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the catalytic activity of enzymes and importance of isoenzymes in diagnosis of diseases; 2. Knowing the metabolic process of biomolecules in health and illness (metabolic disorders) 3. Understanding the genetic organization of mammalian genome; protein synthesis; replication; mutation and repair mechanism.
PHAMD104	Pharmaceutical Organic Chemistry, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the IUPAC/Common system of nomenclature of simple organic compounds belonging to different classes of organic compounds. 2. Understanding the methods of preparation, test for purity, principle involved in the assay, important medicinal uses of some important organic compounds
PHAMD105	Pharmaceutical Inorganic Chemistry, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the principles and procedures of analysis of drugs and also regarding the application of inorganic pharmaceuticals. 2. Knowing the analysis of the inorganic pharmaceuticals their applications.
PHDRB106E	Remedial Biology, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the classification and salient features of five kingdoms of life. 2. Understanding the basic components of anatomy & physiology of plant.
PHDRM107E	Remedial Mathematics, Theory	2017-18	<ol style="list-style-type: none"> 1. Knowing Trigonometry, Analytical geometry, Matrices, Determinant, Integration, Differential equation, Laplace transform and their applications. 2. Solving the problems of different types by applying theory.
PHAMD107P	Human Anatomy and Physiology, Practical	2017-18	<ol style="list-style-type: none"> 1. Understanding body physiological systems, examining blood films for various blood counts 2. Analysing various parameters of body system, determining blood clotting time, erythrocyte sedimentation rate and haemoglobin value.
PHAMD108P	Pharmaceutics, Practical	2017-18	<ol style="list-style-type: none"> 1. Preparing the different dosage forms like aromatic waters, solutions, sprits, tinctures, extracts, creams, capsules and tablets. 2. Packaging and labeling of different dosage forms like aromatic waters, solutions, sprits, tinctures, extracts, creams, capsules and tablets
PHAMD109P	Medicinal Biochemistry, Practical	2017-18	<ol style="list-style-type: none"> 1. Performing experiments related to qualitative analysis of normal and abnormal constituents of urine, estimation of serum parameters. 2. Studying of factors affecting Enzyme activity.
PHAMD110P	Pharmaceutical Organic Chemistry, Practical	2017-18	<ol style="list-style-type: none"> 1. To understand mechanisms and orientation of reactions. 2. To learn the identification of organic compound.
PHAMD111P	Pharmaceutical Inorganic Chemistry, Practical	2017-18	<ol style="list-style-type: none"> 1. Performing the limit tests of various inorganic ions. 2. Performing the identification tests, tests for purity and assays.
PHDRB112P	Remedial Biology, Practical	2017-18	<ol style="list-style-type: none"> 1. Understanding the classification and salient features of five kingdoms of life. 2. Understanding the basic components of anatomy & physiology of plant.

PHAMD201	Pathophysiology, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the mechanisms and etiological conditions of a disease. 2. Understanding signs, symptoms and complications of the diseases.
PHAMD202	Pharmaceutical Microbiology, Theory	2017-18	<ol style="list-style-type: none"> 1. Knowing the anatomy, identification, growth factors and sterilization of microorganisms. 2. Knowing the mode of transmission of disease causing microorganism, symptoms of disease, and treatment aspect. 3. Estimation of RNA and DNA and thereby identifying the source.
PHAMD203	Pharmacognosy & Phytopharmaceuticals, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the basic principles of cultivation, collection and storage of crude drugs 2. Knowing the source, active constituents and uses of crude drugs
PHAMD204	Pharmacology-I, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the pharmacological aspects of drugs. 2. Handling and carrying out the animal experiments.
PHAMD205	Community Pharmacy, Theory	2017-18	<ol style="list-style-type: none"> 1. Knowing the business and professional practice management skills in community pharmacies. 2. Patient counselling & provide health screening services to public in community pharmacy.
PHAMD206	Pharmacotherapeutics-I, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the needs to identify the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy. 2. Identifying the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effects).
PHAMD207P	Pharmaceutical Microbiology, Practical	2017-18	<ol style="list-style-type: none"> 1. Understand methods of identification, cultivation and preservation of various microorganisms 2. To understand the importance and implementation of sterilization in pharmaceutical processing and industry
PHAMD208P	Pharmacognosy & Phytopharmaceuticals, Practical	2017-18	<ol style="list-style-type: none"> 1. Studying of cell wall constituents and cell inclusions. 2. Macroscopic, powder and microscopic study of various plants.
PHAMD209P	Pharmacotherapeutics-I, Practical	2017-18	<ol style="list-style-type: none"> 1. Hospital postings in various departments, attending ward rounds; follow up the progress and changes made in drug therapy in allotted patients. 2. Maintaining a record of cases presented.
PHAMD301	Pharmacology-II, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the pharmacological aspects of drugs. 2. Carrying out the animal experiments.

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PHAMD302	Pharmaceutical Analysis, Theory	2017-18	<ol style="list-style-type: none"> 1. Developing the fundamentals of analytical chemistry. 2. Understanding the principles of chromatography, spectroscopy, volumetric and electro chemical analysis and carryout various volumetric and electrochemical titrations.
PHAMD303	Pharmacotherapeutics-II, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the pathophysiology of selected disease states and the rationale for drug therapy. 2. Knowing the therapeutic approach to management of diseases.
PHAMD304	Pharmaceutical Jurisprudence, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the various concepts of the pharmaceutical legislation in India; 2. Knowing the various parameters in the Drug and Cosmetic Act and rules. 3. Understanding the Drug policy, DPCO, Patent and design act. 4. Understanding the labeling requirements and packaging guidelines for drugs and cosmetics.
PHAMD305	Medicinal Chemistry, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the modern concept of rational drug design. 2. Understanding SAR, mechanism of action, synthesis of important compounds, chemical nomenclature, brand names of important marketed products and their side effects.
PHAMD306	Pharmaceutical Formulations, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the principle involved in formulation of various pharmaceutical dosage forms. 2. Preparing various pharmaceutical formulation. 3. Evaluation of pharmaceutical dosage forms.
PHAMD307P	Pharmacology-II, Practical	2017-18	<ol style="list-style-type: none"> 1. Studying of laboratory animals and their handling. 2. Carrying out bioassay of various drugs on isolated tissue preparations. 3. Studying of theory, principle, procedure involved and interpretation of <i>in-vivo</i> and <i>in-vitro</i> experiments.
PHAMD308P	Pharmaceutical Analysis, Practical	2017-18	<ol style="list-style-type: none"> 1. Developing the fundamentals of analytical chemistry. 2. Understanding the principles of chromatography, spectroscopy, volumetric and electro chemical analysis and carryout various volumetric and electrochemical titrations.
PHAMD309P	Pharmacotherapeutics-II, Practical	2017-18	<ol style="list-style-type: none"> 1. Hospital postings in various departments, attending ward rounds; follow up the progress and changes made in drug therapy in allotted patients. 2. Maintaining a record of cases presented.
PHAMD310P	Medicinal Chemistry, Practical	2017-18	<ol style="list-style-type: none"> 1. Preparation of medicinally important compounds or intermediates required for synthesis of drugs. 2. Monograph analysis of important drugs
PHAMD311P	Pharmaceutical Formulations, Practical	2017-18	<ol style="list-style-type: none"> 1. Understanding the principle involved in formulation of various pharmaceutical dosage forms. 2. Preparing various pharmaceutical formulation. 3. Evaluation of pharmaceutical dosage forms.

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PHAMD401	Pharmacotherapeutics-III, Theory	2017-18	<ol style="list-style-type: none"> 1. Imparting knowledge and skills necessary for contribution to quality use of medicines 2. Identifying the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effects).
PHAMD402	Hospital Pharmacy, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding about drug distribution, drug dispensing, manufacturing practices of various formulations in hospital set up. 2. Understanding drug informations to the patient, counselling the Patients and therapeutic drug monitoring for improved patient care.
PHAMD403	Clinical Pharmacy, Theory	2017-18	<ol style="list-style-type: none"> 1. Monitoring drug therapy of patient through medication chart review and clinical review. 2. Obtaining medication history interview and counselling the patients and identifying and resolving drug related problems.
PHAMD404	Biostatistics & Research Methodology, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding types of clinical study designs, sample size determination, biostatistics and role of Computer in pharmacy, 2. Determination of sample size for simple comparative experiments, determination of sample size to obtain a confidence interval of specified width, power of a study
PHAMD405	Biopharmaceutics & Pharmacokinetics, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the biopharmaceutics and concept of drug absorption, distribution and elimination. 2. Understanding the concepts of pharmacokinetic models, bioavailability and bioequivalence.
PHAMD406	Clinical Toxicology, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding clinical symptoms, general principles involved in the management of poisoning. 2. Management, mitigation and prevention of toxicity resulting from poisons, chemicals, venomous snake bites, food additives, food contaminants.
PHAMD407P	Pharmacotherapeutics-III, Practical	2017-18	<ol style="list-style-type: none"> 1. Maintaining record of cases observed in the ward and the same should be submitted at the end of the course for evaluation. 2. Identifying the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effects).
PHAMD408P	Hospital Pharmacy, Practical	2017-18	<ol style="list-style-type: none"> 1. Preparation of ABC analysis of drugs sold in one month from the pharmacy. 2. Assessment of drug interactions in the given prescriptions and manufacture of parenteral formulations, powders.
PHAMD409P	Clinical Pharmacy, Practical	2017-18 	<ol style="list-style-type: none"> 1. Preparing assignment on Drug information, Patient medication history interview, Patient medication counselling. 2. Reviewing of recently published articles in the biomedical literature which deals with a drug or therapeutic issue

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PHAMD410P	Biopharmaceutics & Pharmacokinetics, Practical	2017-18	<ol style="list-style-type: none"> 1. Bioavailability studies of some commonly used drugs in animal/human model. 2. Performing in vitro absorption studies, bioequivalency studies, bioavailability studies, absorption studies in animal inverted intestine using various drugs
PHAMD501	Clinical Research, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the drug development process, good Clinical Practice – ICH, GCP, Central drug standard control organisation (CDSCO) guidelines. 2. Designing of clinical study documents (protocol, CRF, ICF, PIC with assignment)
PHAMD502	Pharmacoepidemiology and Pharmacoeconomics, Theory	2017-18	<ol style="list-style-type: none"> 1. Understanding the concept of risk in pharmacoepidemiology, pharmacoepidemiological methods, vaccine safety, hospital pharmacoepidemiology, risk management, drug induced birth defects. 2. Understanding the history, needs of pharmacoeconomic evaluations.
PHAMD503	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring, Theory	2017-18	<ol style="list-style-type: none"> 1. Formulate and design a dosage regimen for individual patients. 2. Interpret and correlate the plasma drug concentration with patient's therapeutic outcomes.
PHAMD504P	Clerkship *	2017-18	<ol style="list-style-type: none"> 1. To develop data collection and reporting skills in the area of community, hospital and clinical pharmacy. 2. The evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner
PHAMD505P	Project work (Six Months)	2017-18	<ol style="list-style-type: none"> 1. Take and record the patient history and record the findings of clinical examination. 2. Interpret the information from the patient's laboratory examination in assessing the.
MPPHP101	Pharmaceutical Analytical T	2017-18	<ol style="list-style-type: none"> 1. Understanding chemicals and excipients. 2. Analysing the various drugs in single and combination dosage forms. 3. Understanding theoretical and practical skills of the instruments.
MPPHP102	Drug Delivery System	2017-18	<ol style="list-style-type: none"> 1. Understanding various approaches for development of novel drug delivery systems. 2. Learning the criteria for selection of drugs and polymers for the development of delivering system.
MPPHP103	Modern Pharmaceutics	2017-18	<ol style="list-style-type: none"> 1. Understanding the active pharmaceutical ingredients and generic drug product development. 2. Understanding the industrial management and GMP considerations.
MPPHP104	Regulatory Affair	2017-18	<ol style="list-style-type: none"> 1. Understanding the concepts of innovator and generic drugs, drug development process. 2. Learn the regulatory guidance's and guidelines for filing and approval process
MPPHP105P	Pharmaceutics Practical-I	2017-18	<ol style="list-style-type: none"> 1. Carrying out the experiments based on HPLC, Gas Chromatography, other analytical equipments. 2. Formulation and evaluation of tablets, transdermal patches, various drug delivery systems.
MPPHP106	Seminar/Assignment	2017-18	<ol style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.

MPPH201	Pharmaceuticals (Nano Technology)	2017-18	<ul style="list-style-type: none"> 1. Understanding various approaches for development of novel drug delivery systems. 2. Understanding the criteria for selection of drugs and polymers for the development of NTDS.
MPPH202	Biopharmaceutics & Pharmacokinetics	2017-18	<ul style="list-style-type: none"> 1. Understanding the basic concepts in biopharmaceutics and pharmacokinetics. 2. Designing and evaluation of dosage regimens of the drugs using pharmacokinetic and biopharmaceutic parameters.
MPPH203	Computer Aided Drug Delivery Systems	2017-18	<ul style="list-style-type: none"> 1. Understanding the computational modeling of drug disposition 2. Learning the optimization techniques in pharmaceutical formulation. 3. Understanding the Computational fluid dynamics(CFD)
MPPH204	Cosmetic and Cosmeceuticals	2017-18	<ul style="list-style-type: none"> 1. Understanding various key ingredients and basic science to develop cosmetics and cosmeceuticals. 2. Building scientific knowledge to develop cosmetics and cosmeceuticals with desired Safety, stability, and efficacy.
MPPH205P	Pharmaceutics Practical II	2017-18	<ul style="list-style-type: none"> 1. Formulation and evaluation of microspheres, liposomes, spherules. 2. Conducting protein binding studies of a highly protein bound drug & poorly protein bound drug.
MPPH206P	Seminar/Assignment	2017-18	<ul style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.
MPPH301	Research Methodology and Biostatistics	2017-18	<ul style="list-style-type: none"> 1. Understanding the basics of general research methodology. 2. Understanding in detail about the Biostatistics, medical research, CPCSEA guidelines for laboratory animal facility.
MPPH302P	Journal Club	2017-18	<ul style="list-style-type: none"> 1. Collecting the good research and review articles based on the desired topics. 2. Demonstrating a presentation based on the research or review article in front of faculty members.
MPPH303P	Research Presentation (Proposal Presentation)	2017-18	<ul style="list-style-type: none"> 1. Conducting the research presentation on the proposed research work of scholar. 2. Discussing the proposed research work of scholar for further conduction of experimental work.
MPPH304P	Research Work	2017-18	<ul style="list-style-type: none"> 1. Collecting a detailed information on the proposed topic by reviewing research and review articles. 2. Preparing a ppt on the proposed research work topic emphasizing the experimental protocol, and discussions.
MPPH401P	Journal Club	2017-18	<ul style="list-style-type: none"> 1. Discussing the various research and review articles based on the proposed topic 2. Incorporating the input of the discussion within the scholars research work.
MPPH402P	Research Work	2017-18	<ul style="list-style-type: none"> 1. Carrying out the experimental research work. 2. Collecting the experimental data, observations, and results. 3. Preparing the Thesis. 4. Submission of the Thesis for checking to the supervisor.
MPPH403P	Thesis Discussion/ Final Presentation	2017-18	<ul style="list-style-type: none"> 1. Conducting the open final Viva-voce presentation of the research work of the scholar. 2. Questionnaire discussion by external and internal experts with the research scholar.

MPHPC101	Pharmaceutical Analytical T	2017-18	<ol style="list-style-type: none"> 1. Understanding the chemicals and excipients. 2. Analysing the various drugs in single and combination dosage forms. 3. Understanding theoretical and practical skills of the instruments.
MPHPC102	Advanced Organic Chemistry	2017-18	<ol style="list-style-type: none"> 1. Understanding the principles and applications of retrosynthesis 2. Understanding the mechanism & applications of various named reactions 3. Understanding the concept of disconnection to develop synthetic routes for small target molecule.
MPHPC103	Advanced Medicinal Chemistry	2017-18	<ol style="list-style-type: none"> 1. Learning various strategies to design and develop new drug like molecules for biological targets 2. Understanding the role of medicinal chemistry in drug research
MPHPC104	Chemistry of Natural Products	2017-18	<ol style="list-style-type: none"> 1. Understanding different types of natural compounds and their chemistry and medicinal importance 2. Understanding the importance of natural compounds as lead molecules for new drug discovery
MPHPC105P	Pharmaceutical Chemistry Practical	2017-18	<ol style="list-style-type: none"> 1. Analysis of Pharmacopoeial compounds and their formulations by UV Vis spectrophotometer 2. Experiments based on Column chromatography, HPLC, Gas Chromatography
MPHPC106	Seminar/Assignment	2017-18	<ol style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.
MPHPC201	Advanced Spectral Analysis	2017-18	<ol style="list-style-type: none"> 1. Interpretation of the NMR, Mass and IR spectra of various organic compounds 2. Learning theoretical and practical skills of the hyphenated instruments
MPHPC202	Advanced Organic Chemistry	2017-18	<ol style="list-style-type: none"> 1. Understanding the principles and applications of Green chemistry, peptide chemistry. 2. Understanding the role of various catalysts used in organic reactions.
MPHPC203	Computer Aided Drug Design	2017-18	<ol style="list-style-type: none"> 1. Working with molecular modeling softwares to design new drug molecules. 2. Understanding the role of CADD in drug discovery
MPHPC204	Pharmaceutical Process Chemistry	2017-18	<ol style="list-style-type: none"> 1. Understanding the strategies of scale up process of APIs and intermediates. 2. Understanding the various unit operations and various reactions in process chemistry.
MPHPC205P	Pharmaceutical Chemistry Practical	2017-18	<ol style="list-style-type: none"> 1. Performing the comparative study of synthesis of APIs/intermediates by different synthetic routes. 2. Interpretation of organic compounds by FT-IR, NMR 3. Performing docking study based experiment, virtual screening based experiment.
MPHPC206P	Seminar/Assignment	2017-18	<ol style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.

MPHPC301	h Methodology of Biosci	2017-18	<ol style="list-style-type: none"> 1. Understanding the basics of general research methodology. 2. Understanding in detail about the Biostatistics, medical research, CPCSEA guidelines for laboratory animal facility.
MPHPC302P	Journal Club	2017-18	<ol style="list-style-type: none"> 1. Collecting the good research and review articles based on the desired topics. 2. Demonstrating a presentation based on the research or review article in front of faculty members.
MPHPC303P	Presentation (Proposal Pr	2017-18	<ol style="list-style-type: none"> 1. Conducting the research presentation on the proposed research work of scholar. 2. Discussing the proposed research work of scholar for further conduction of experimental work.
MPHPC304P	Research Work	2017-18	<ol style="list-style-type: none"> 1. Collecting a detailed information on the proposed topic by reviewing research and review articles. 2. Preparing a ppt on the proposed research work topic emphasizing the experimental protocol, and discussions.
MPHPC401P	Journal Club	2017-18	<ol style="list-style-type: none"> 1. Discussing the various research and review articles based on the proposed topic 2. Incorporating the input of the discussion within the scholars research work.
MPHPC402P	Research Work	2017-18	<ol style="list-style-type: none"> 1. Carrying out the experimental research work. 2. Collecting the experimental data, observations, and results. 3. Preparing the Thesis. 4. Submission of the Thesis for checking to the supervisor.
MPHPC403P	Discussion/ Final Presentati	2017-18	<ol style="list-style-type: none"> 1. Conducting the open final Viva-voce presentation of the research work of the scholar. 2. Questionnaire discussion by external and internal experts with the research scholar.
MPHPL101	pharmaceutical Analytical T	2017-18	<ol style="list-style-type: none"> 1. Understanding chemicals and excipients. 2. Analysing the various drugs in single and combination dosage forms. 3. Understanding theoretical and practical skills of the instruments.
MPHPL102	Advanced Pharmacology-	2017-18	<ol style="list-style-type: none"> 1. Understanding the pathophysiology and pharmacotherapy of certain diseases 2. Understanding the mechanism of drug actions at cellular and molecular level 3. Understanding the adverse effects, contraindications and clinical uses of drugs used in treatment of diseases
MPHPL103	al and Toxicological Scree	2017-18	<ol style="list-style-type: none"> 1. Understanding the regulations and ethical requirement for the usage of experimental animals. 2. Understanding the various animals used in the drug discovery process and good laboratory practices in maintenance and handling of experimental animals.
MPHPL104	ar and Molecular Pharma	2017-18	<ol style="list-style-type: none"> 1. Understanding the applicability of molecular pharmacology and biomarkers in drug discovery process. 2. Demonstration of molecular biology techniques as applicable for pharmacology

MPHPL105P	Pharmacology Practical-I	2017-18	<ol style="list-style-type: none"> 1. Evaluation of CNS stimulant, depressant and other pharmacological activities. 2. Analysing the pharmacopoeial compounds and their formulations by UV Vis spectrophotometer
MPHPL106	Seminar/Assignment	2017-18	<ol style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.
MPHPL201	Advanced Pharmacology I	2017-18	<ol style="list-style-type: none"> 1. Understanding the mechanism of drug actions at cellular and molecular level 2. Understanding the adverse effects, contraindications and clinical uses of drugs used in treatment of diseases
MPHPL202	Pre-clinical and Toxicological Screening	2017-18	<ol style="list-style-type: none"> 1. Understanding the various types of toxicity studies. 2. Understanding the importance of ethical and regulatory requirements for toxicity studies. 3. Demonstrating the practical skills required to conduct the preclinical toxicity studies.
MPHPL203	Principles of Drug Discovery	2017-18	<ol style="list-style-type: none"> 1. Understanding the role of genomics, proteomics and bioinformatics in drug discovery 2. Learning various lead seeking method and lead optimization.
MPHPL204	Research and Pharmacovigilance	2017-18	<ol style="list-style-type: none"> 1. Demonstration of the types of clinical trial designs 2. Executing safety monitoring, reporting and close-out activities 3. Performing the adverse drug reaction reporting systems and communication in Pharmacovigilance.
MPHPL205P	Pharmacology Practical II	2017-18	<ol style="list-style-type: none"> 1. Performing various DRC of isolated tissues, Bioassays of various drugs on isolated animal tissues. 2. Experimentation on toxicity studies as per OECD guidelines.
MPHPL206P	Seminar/Assignment	2017-18	<ol style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.
MPHPL301	Research Methodology and Biostatistics	2017-18	<ol style="list-style-type: none"> 1. Understanding the basics of general research methodology. 2. Understanding in detail about the Biostatistics, medical research, CPCSEA guidelines for laboratory animal facility.
MPHPL302P	Journal Club	2017-18	<ol style="list-style-type: none"> 1. Collecting the good research and review articles based on the desired topics. 2. Demonstrating a presentation based on the research or review article in front of faculty members.
MPHPL303P	Presentation (Proposal Presentation)	2017-18	<ol style="list-style-type: none"> 1. Conducting the research presentation on the proposed research work of scholar. 2. Discussing the proposed research work of scholar for further conduction of experimental work.
MPHPL304P	Research Work	2017-18	<ol style="list-style-type: none"> 1. Collecting a detailed information on the proposed topic by reviewing research and review articles. 2. Preparing a ppt on the proposed research work topic emphasizing the experimental protocol, discussions and future prospects.
MPHPL401P	Journal Club	2017-18	<ol style="list-style-type: none"> 1. Discussing the various research and review articles based on the proposed topic 2. Incorporating the input of the discussion within the scholars research work.

MPHPL402P	Research Work	2017-18	<ol style="list-style-type: none"> 1. Carrying out the experimental research work. 2. Collecting the experimental data, observations, and results. 3. Preparing the Thesis. 4. Submission of the Thesis for checking to the supervisor.
MPHPL403P	Discussion/ Final Presentation	2017-18	<ol style="list-style-type: none"> 1. Conducting the open final Viva-voce presentation of the research work of the scholar. 2. Questionaire discussion by external and internal experts with the research scholar.
MPHQA101	Pharmaceutical Analytical T	2017-18	<ol style="list-style-type: none"> 1. Understanding chemicals and excipients. 2. Analysing the various drugs in single and combination dosage forms. 3. Understanding theoretical and practical skills of the instruments.
MPHQA102	Quality Management System	2017-18	<ol style="list-style-type: none"> 1. Understanding the ISO management systems, tools for quality improvement 2. Analysis of issues in quality and quality evaluation of pharmaceuticals
MPHQA103	Quality Control and Quality Assurance	2017-18	<ol style="list-style-type: none"> 1. Understanding the cGMP aspects in a pharmaceutical industry 2. Understanding the documentation, scope of quality certifications applicable to Pharmaceutical industries
MPHQA104	Development and Technology	2017-18	<ol style="list-style-type: none"> 1. Understanding the new product development process. 2. Understanding the necessary information to transfer technology from R&D to actual manufacturing by sorting out various information obtained during R&D
MPHQA105P	Pharmaceutical Quality Assurance	2017-18	<ol style="list-style-type: none"> 1. Analysis of Pharmacopoeial compounds in bulk and in their formulations (tablet/ capsules/ semisolids) by UV Vis spectrophotometer 2. Simultaneous estimation of multi-drug component containing formulations by UV spectrophotometry
MPHQA106	Seminar/Assignment	2017-18	<ol style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.
MPHQA201	Hazards and Safety Management	2017-18	<ol style="list-style-type: none"> 1. Understanding comprehensive knowledge on the safety management 2. Empowering ideas to clear mechanism and management in different kinds of hazard management system
MPHQA202	Pharmaceutical Validation	2017-18	<ol style="list-style-type: none"> 1. Process validation of different dosage forms 2. Validation of analytical method for estimation of drugs
MPHQA203	Standards and Regulatory Compliance	2017-18	<ol style="list-style-type: none"> 1. Understanding the importance of auditing and the methodology of auditing 2. Understanding the carry out the audit process and prepare the auditing report

MPHQA204	Pharmaceutical Manufacturing Technology	2017-18	<ol style="list-style-type: none"> 1. Understanding pharmaceutical industry developments, plant layout and production planning 2. Understanding the principles and practices of aseptic process technology, non sterile manufacturing technology and packaging technology.
MPHQA205P	Pharmaceutical Quality Assurance	2017-18	<ol style="list-style-type: none"> 1. Understanding the qualification of Pharmaceutical Testing Equipment (Dissolution testing apparatus, Friability Apparatus, Disintegration Tester) 2. Validation of an analytical method for a drug and validation of a processing area.
MPHQA206P	Seminar/Assignment	2017-18	<ol style="list-style-type: none"> 1. Preparing assignments, presentations and their conduction during the lecture hours.
MPHQA301	Research Methodology and Biostatistics	2017-18	<ol style="list-style-type: none"> 1. Understanding the basics of general research methodology. 2. Understanding in detail about the Biostatistics, medical research, CPCSEA guidelines for laboratory animal facility.
MPHQA302P	Journal Club	2017-18	<ol style="list-style-type: none"> 1. Collecting the good research and review articles based on the desired topics. 2. Demonstrating a presentation based on the research or review article in front of faculty members.
MPHQA303P	Research Presentation (Proposal Presentation)	2017-18	<ol style="list-style-type: none"> 1. Conducting the research presentation on the proposed research work of scholar. 2. Discussing the proposed research work of scholar for further conduction of experimental work.
MPHQA304P	Research Work	2017-18	<ol style="list-style-type: none"> 1. Collecting a detailed information on the proposed topic by reviewing research and review articles. 2. Preparing a ppt on the proposed research work topic emphasizing the experimental protocol, discussions and future prospects.
MPHQA401P	Journal Club	2017-18	<ol style="list-style-type: none"> 1. Discussing the various research and review articles based on the proposed topic 2. Incorporating the input of the discussion within the scholars research work.
MPHQA402P	Research Work	2017-18	<ol style="list-style-type: none"> 1. Carrying out the experimental research work. 2. Collecting the experimental data, observations, and results. 3. Preparing the Thesis. 4. Submission of the Thesis for checking to the supervisor.
MPHQA403P	Thesis Discussion/ Final Presentation	2017-18	<ol style="list-style-type: none"> 1. Conducting the open final Viva-voce presentation of the research work of the scholar. 2. Questionnaire discussion by external and internal experts with the research scholar.
DFD-101	Basic Of Fashion	2017-18	Create a relationship between fashion industry & students through which he/she is able to work in fashion industry & express his view, thought through the sketch
DFD-102	COMMUNICATION SKILLS	2017-18	Critical and innovative thinking. Display competence in oral, written, and visual communication.
DFDP-104	Fashion Illustration - I	2017-18	Fashion model drawing develops the concept of visualization, communication through the medium of sketch/drawing based on the lines, shading & block figure techniques

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DFDP- 106	Basic of Design	2017-18	Develops a relationship between fashion industry and students through which he/she is able to work in fashion industry & express his view, thought through the sketch.
DFDP- 107	Material exploration	2017-18	To develop their skills in different areas: drawing, model-building, and knowledge of materials applied to a design project.
DFDP-202	Textile Science	2017-18	To learn the terminology used in fabric processes and be able to explain what happens in the making of fabrics To understand how you go about analysing a fabric to find out how it is made and what it is made from.
DFDP-204	Fashion Illustration	2017-18	Overview, how fashion model drawing play an important role in fashion industry
BCHBA101	Fundamentals of Accounting	2017-18	Understanding of balance sheet
BCHBA102	Business Economics	2017-18	Economics Analysis Decisions of Consumer Behaviour
BCHBA104	Computer Applications	2017-18	preparation of video and PPT
BCHBA105	Marketing Management	2017-18	Develop a new product out of waste
BCHBA201	Financial Accounting	2017-18	Understanding Share Capital
BCHBA203	Business Communication	2017-18	Business Letter Writing
BCHBA204	Legal Aspects of Business	2017-18	Designing the consumer grievance to the District forum
BCHBA205	Consumer Behaviour	2017-18	Study the impact of reference group on consumer behaviour
BCHBA207	Industry Visit Report	2017-18	Applying classroom concept to industry
BCHBA301	Business Statistics	2017-18	Central Tendency through excel
BCHBA303	Human Resource Management	2017-18	How to make CV
BCHBA304	Product & Brand management	2017-18	Identification of Brand -Quiz and brand building exercises
BCHBA305	Operation Management	2017-18	Location Planning of own restaurant
BCHBA306	Marketing of Services	2017-18	Designing the promotional mix for a hospital
BCHBA401	Management Accounting	2017-18	Ratio Analysis & Interpretation
BCHBA402	Financial Management	2017-18	Inflow and outflow of inventory
BCHBA403	Business Ethics	2017-18	Ethical dilemma role play
BCHBA404E	Industrial Relations	2017-18	Role Play of Collective Bargaining & Worker Participation
BCHBA405E	Labour Welfare & Social Security	2017-18	Role play on ESIC
BCHBA406E	Talent Management	2017-18	Design questionnaire on how to retain talent
B.Com (H) BAM 405	Retail Management	2017-18	Plan out a promotional mix of a departmental store
B.Com(H) BAM 406	Outsourcing Management	2017-18	Outbound call activity
BCHBA502	Income Tax Law & Practice	2017-18	How to file income tax
BCHBA503	Company law	2017-18	Role play of a Company Secretary in drafting the agenda of the meeting
BCHBA504	Entrepreneurship & Skill Development	2017-18	B-Plan
BCHBA505E	Principles & Practices of Insurance	2017-18	Awareness of various life insurance products offered by different insurance companies

BCHBA506E	Sales & Distribution Management	2017-18	Role Play activity of seller engaged in Personal Selling
BCHBA507E	Supply Chain Management	2017-18	Simulation Exercise on Supply Chain network Design
BCHBA508	Strategic Management	2017-18	formulated strategies for a hypothetical organisation
BCHBA509P	Summer Training Report	2017-18	Report Writing
BCHBA601	Project Management	2017-18	Degining market feasibilty report
BCHBA602	Principles & Practices of Auditing	2017-18	Role play of an Auditor
BCHBA603E	Organization Behavior	2017-18	Team Building / group development skill
BCHBA606	Business Research Methods	2017-18	Designing the questionnaire , preperation of a research reprot
	E-Commerce	2017-18	Cyber Security
BCHBA608	Environmental Management	2017-18	Tree planation and say no to crackers movement
BCHBA609	Report on Recent Trends in Marketing	2017-18	Report Writing
BCHAB102	Business Economics	2017-18	Economics Analysis Decisions of Consumer Behaviour
BCHAB103	Computer Applications	2017-18	preperation of video and PPT
BCHAB104	undamentals of Accountin	2017-18	Understanding of balance sheet
BCHAB105	Business Mathematics	2017-18	solving mathematical problems through computer
BCHAB106	Financial Accounting	2017-18	Understanding Share Capital
BCHAB201	Legal Aspects of Business	2017-18	Designing the consumer grievance to the District forum
BCHAB203	Business Statistics	2017-18	Central Tendency through excel
BCHAB204	Advanced Accounting	2017-18	Analysing of Balance Sheet
BCHAB205	Cost Accounting	2017-18	Cost Sheet Preperation
BCHAB206	Financial Management	2017-18	Inflow and outflow of inventory
BCHAB207P	Industry Visit Report	2017-18	Applying classroom concept to industry
BCHAB301	Business Communication	2017-18	Business Letter Writing
BCHAB303	Principles & Practices of Auditing	2017-18	Role play of an Auditor
BCHAB306	Quantitative Techniques	2017-18	Solving business problems through LPP model
BCHAB401	Business Ethics	2017-18	Ethical dilema role play
BCHAB403	Management Accounting	2017-18	Ratio Analysis & Interpretation
BCHAB404E	Project Management	2017-18	Degining market feaibilty report
BCHAB405E	Event Management	2017-18	Organising an event in the campus , group activity
BCHAB406E	Production & Operation Management	2017-18	Location Planning of own resturant
BCHAB407	Income Tax Law & Practice	2017-18	How to file income tax
BCHAB501	Environment Management	2017-18	Tree planation and say no to crackers movement
BCHAB502	Company Law	2017-18	Role play of a Company Secretary in drafting the agenda of the meeting
BCHAB503	Business Budgeting	2017-18	Preperation of the master budget of freshers party
BCHAB504	Entrepreneurship and Skill Development	2017-18	B-Plan
BCHAB505	Goods &Service Tax	2017-18	Computation of GST input
BCHAB506E	Security Analysis &Portfolio Management	2017-18	Building a Portfolio as Entrepreneur
BCHAB507E	Advance Statistics	2017-18	Statistics to excel

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BCHAB508E	Merchant Banking & Corporate Restructuring	2017-18	Role play of underwriter
BCHAB509P	Summer Training Report	2017-18	Report Writing
BCHAB601	Marketing Management	2017-18	Develop a new product out of waste
	Management of Financial Institution	2017-18	How to open D-Mat account
	E-Commerce	2017-18	Cyber Security
BCHAB604	Business Research Methods	2017-18	Designing the questionnaire, preparation of a research report
BCHAB605E	Financial Reporting	2017-18	Web reporting of Public financial statements
BCHAB606E	Financial & Commodity Derivatives	2017-18	hypothetical game of online trading
BCHAB609P	Report on Recent Trends in Finance	2017-18	Report Writing
BBAES106	Entrepreneurship & Skill Development	2017-18	Prepare a B-Plan in five lakh rupees
BCPE5501E	Entrepreneurship & Skill Development	2017-18	Prepare a B-Plan in five lakh rupees
1DCB5	Applied Mechanics	2017-18	Applied mechanics is a branch of the physical sciences and the practical application of mechanics. ... Within the practical sciences, applied mechanics is useful in formulating new ideas and theories, discovering and interpreting phenomena, and developing experimental and computational tools.
1DCB06	Communication & Personality Development Lab	2017-18	To groom the over all personality and make the student more confident to express himself/herself in public and confidently face interviews.
1DCB9	Engineering Drawing-I	2017-18	Practical on design of basic engineering components.
1DCB10	Workshop Practice-I	2017-18	TO make the students able to understand different tool & equipment for work shop practice and enable them to acquire skills for the preparation of different Carpentry/fitting/welding models.
1DCB11	Electrical & Electronics Lab-I	2017-18	
2DCB1	English	2017-18	To improve the communication skills.
2DCB5	Basic Elements of Electrical & Electronics-II	2017-18	To understand the application part of the concepts studied and realisation of complicated circuits.
2DCB6	Computer & IT Fundamentals	2017-18	To have a basic understanding of programming in order to meet the demands of software industries.
2DCB7	Computer Programming Lab	2017-18	To get a hands on practice of coding.
2DCB10	Engineering Drawing-II	2017-18	Practical on design of different machine components.
2DCB11	Workshop Practice-II	2017-18	Practical on design of different machine components.
2DCB12	Electrical & Electronics Lab-II	2017-18	To recognise and understand the working of electrical and electronic components and equipment.
DCE-301	Strength Of Materials-I	2017-18	Its basic subject for civil engineering as it acts as a base for all further structural subjects of Civil like structural analysis and structural design.
DCE-302	Fluid Mechanics-I	2017-18	Fluid mechanics is the branch of classical physics and mathematics concerned with the response of matter that continuously deforms (flows) when subjected to a stress

DCE-303	Building Technology	2017-18	Planning of building for space with max comfort and economy
DCE-304	Surveying-I	2017-18	To find Earth basics idea and survey based on geographical condition
DCE-305	Concrete Technology	2017-18	Analysis of Structure of earth for economic design
DCE-306	CONSTRUCTION MATERIALS AND EQUIPMENTS	2017-18	Civil engineering materials are key components to the design and maintenance of civil structures. Most of these structures are large in scale such as bridges, buildings, and dams
DCE-307	Material Testing-I Lab	2017-18	To knowledge about some of the properties of most imp materials and experiments
DCE-308	Fluid Mechanics-I Lab	2017-18	Fluid mechanics is the branch of classical physics and mathematics concerned with the response of matter that continuously deforms (flows) when subjected to a stress
DCE-309	Surveying-I Lab	2017-18	To find Earth basics idea and survey based on geographical condition
DCE-401	Strength Of Materials-II	2017-18	Its basic subject for civil engineering as it acts as a base for all further structural subjects of Civil like structural analysis and structural design.
DCE-402	Fluid Mechanics-II	2017-18	Fluid mechanics is the branch of classical physics and mathematics concerned with the response of matter that continuously deforms (flows) when subjected to a stress
DCE-403	Water Supply & Sanitation	2017-18	sanitary engineer to develop plans and mathematical designs. Its not provide only for drinking purposes but also for domestic use and the improvement in the construction of public water-supplies for small rural towns and villages.
DCE-404	Transportation Engg.	2017-18	To provide the economical and efficient transportation service that meets societal needs while maintaining compatibility with environmental, energy, and safety goals
DCE-405	Soil Mechanics	2017-18	Geotechnical Engineering is an important science used to determine the soil characteristics that are essentially required for the design of structures
DCE-406	Surveying-II	2017-18	To find Earth basics idea and survey based on geographical condition
DCE-407	Material Testing-I Lab	2017-18	To knowledge about some of the properties of most imp materials and experiments
DCE-408	Fluid Mechanics-II Lab	2017-18	Fluid mechanics is the branch of classical physics and mathematics concerned with the response of matter that continuously deforms (flows) when subjected to a stress
DCE-409	Road Material Testing Lab	2017-18	To knowledge about some of the properties of most imp materials and experiments
DCE-410	Surveying-II Lab	2017-18	To find Earth basics idea and survey based on geographical condition
DCE-411	Soil Mechanics Lab	2017-18	Geotechnical Engineering is an important science used to determine the soil characteristics that are essentially required for the design of structures
DCE-501	Theory Of Structures-I	2017-18	Theory formation in structural analysis is the classification of the essential properties of technical artefacts or artefact classes reflected in theoretical models
DCE-502	Design Of Steel Structures	2017-18	To provide the knowledge about design steel structural elements according to IS Code.
DCE-503	Design Of R.C.C. Structures	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns
DCE-504	Irrigation Engineering	2017-18	To study of flow of water at atmospheric pressure

DCE-505	Estimating & Costing	2017-18	To study of flow of water at atmospheric pressure
DCE-506	Environment Engineering	2017-18	sanitary engineer to develop plans and mathematical designs. Its not provide only for drinking purposes but also for domestic use and the improvement in the construction of public water-supplies for small rural towns and villages.
DCE-601	Theory Of Structures-II	2017-18	Theory formation in structural analysis is the classification of the essential properties of technical artefacts or artefact classes reflected in theoretical models
DCE-602	Design Of Steel Structures-I	2017-18	To provide the knowledge about design steel structural elements according to IS Code.
DCE-603	Design Of R.C.C. Structures-I	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns
DCE-604	Construction Management & Accounts	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns
DCE-605	EARTHQUAKE RESISTANT STRUCTURE	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns
DCE-607	Building Drawing Lab	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns
DCE-608	Computer Aided Drawing	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns
DCE-609	Design Of Steel Structures-II	2017-18	To provide the knowledge about design steel structural elements according to IS Code.
DCE-610	Design Of R.C.C. Structures-II	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns
DCE-611	Project	2017-18	To knowledge and skills to design reinforced concrete structural elements including beams, one way slabs and columns

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Course Code	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
PCC-BT.503	Bionanotechnology	2018-19	Students will learn about designing of biopolymers, polymer control drug delivery and drug targeting and delivery. This course will help to get jobs in biotech and pharma industries.
PEC-BT.505.2	Perl for Biologist	2018-19	This course will teach students about perl as programming language that help in development of computational biology program in proteomics and genomics. This will help the students to get employment as biological data analyst in research laboratories.
PEC-BT.505.3	JAVA for Biologist	2018-19	This course will teach students about perl as programming language that help in development of computational biology program. This will help the students to get employment in bioinformatics and biological data analysis.
LC-BT.508.2	Perl for Biologist Lab	2018-19	This language will help students to quickly develop scripts (short programs) for scanning or transforming large amounts of data such as processing and manipulation of long sequences of DNA and proteins. This will help the students to get employment as bioinformatics scientist or as biological data analyst.
LC-BT.508.3	JAVA for Biologist Lab	2018-19	Students will learn BioJava as a mature open-source project that provides a framework for processing of biological data. This course will teach students powerful analysis and statistical routines, tools for manipulating sequences and 3D structures. This will help the students to get employment as Programming Biologist.
PEC-BT.605.3	Molecular Farming	2018-19	This course will teach students about the technology for recombinant protein production, biopharmaceuticals and edible vaccines and downstream processing of plant derived recombinant therapeutic proteins. This will help the students to get employment in agricultural sectors, pharmaceutical firms and manufacturing industries, scale up engineer in fermentation industries or as senior process designer in biotech or pharma industries.
PCC-BT.703	Animal cell and plant tissue culture	2018-19	This course will teach students about basic requirements for setting up a tissue culture laboratory, production of haploid plants and development of salt and drought resistance plants. Students will get employment opportunity as Ph.D scholar, senior research fellow in university or as a senior laboratory technician in a biotech industry.
PEC-BT.705.1	Medical Biotechnology	2018-19	Students will learn about molecular basis of complex human diseases and their diagnosis. This course will help the students to get jobs in medical coding and healthcare related companies.

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PEC-BT.705.2	System Biology	2018-19	Students will learn about computational and mathematical analysis and modelling of complex biological system. This course will help the students to get jobs resrach centers as data analyst.
PEC-BT.705.3	Metabolic Engineering	2018-19	Students will learn about different network motif, tanscription and translation levels and designing of strains for industrial level.This course will help the students to get jobs in R & D laboratories and in fermentation industry.
BPMWO101	Wave and Optics	2018-19	Skill developmental in determination of DO, alkalinity, acidity, hardness and chlorine content of given water sample makes them skilled at water chemistry required for environmental and toxicological testing.
BPMPR105	Wave and Optics Lab	2018-19	Training in measurement of small displacements, refractive index changes, total internal reflection, application of Standing Waves as Audible Information in Hypertension Therapy.
BPMAH102	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	2018-19	After successfully completing this laboratory, studnets are eligible to jobs in LASER based companies jobs in production and research department. The students are capable to answer the term constructive and destructive interference, optical Sensors, Methen gas sensors and etc.
MPT OM 302	Rehabilitation in Physiotherapy Conditions (Orthopedics & Manual Therapy) –I	2018-19	The student learns to treat different musculoskeletal conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient. The student also learns to have comprehensive skills in Manual therapy & efficient treatment of patients
MPT NP 302	Rehabilitation in Physiotherapy Conditions (Neurology & Psychosomatic Disorders) –I	2018-19	The student learns to treat different neurological conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
BPMPR106	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons Lab	2018-19	Train and develope skill to idetification and synthesis of new compound by applying the concept of chemical bond formation and atomic structure of compounds, organic synthesis provides employbility in different chemical industries and research.
BPMAH102	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	2018-19	Training in analytical technique like paper chromatography and detection of alkali content in water sample is important in pharmaceutical/Textiles/Dye synthesis industries for check the purity of organic compounds and monitoring the reactions.
BPMDC103	Differential Calculus	2018-19	A course in Maxima minima, and Lagrange's method of undetermined coefficient helps in prediction of various constraints in field of defence, engineering and logistics. Knowledge of differentiability, libnitz and Euler theorem, concavity and convexity trains the student in CURVE SKETCHING
BPMPC104	Professionals Communication Skills	2018-19	Training students to speak and write with propriety and effectiveness and argue in a positive manner for group discussuion and personal interview

BPMMC201	Mechanics	2018-19	Foundation course for academic, research jobs and technical jobs involving study the behavior of various mechanical instruments. Some of the topics like dynamics of rigid bodies, rotational motion, simple harmonic motion are very important in machine manufacturing industries. These are the key features of any mechanical instruments.
BPMPR205	Mechanics Lab	2018-19	The students have gets knowledge to design machines and conduct experiments. The students are eligible to design a system, component, or process to meet desired needs in production and manufacturing units. The Students are capable to identify, formulate and solve engineering based problems.
BPMCF202	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	2018-19	Training in functional group chemistry is important for synthesis of drugs and different organic compounds.
BPMPR206	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I Lab	2018-19	Purification of organic compound by crystallization, determination of melting and boiling points and synthesis. In the, pharmaceutical industries, students understands these technique and applied in R&D department of the organization and contribute for the betterment.
BPMDE203	Differential Equation	2018-19	Imparts direct formulation techniques for general, particular, explicit, implicit and singular solution of a differential equation. Also lesson on types of first and second order ordinary and partial differential equation. Derivation of heat, wave and laplace equations. Classification of second order linear equations
BPMEV204	Environmental Science	2018-19	The course will prepare the students toward various national level entrance exams of general awareness such as Indian civil services and Indian forest services etc. (such as laws for environmental protection, conservation of biodiversity)
BPMTP301	Thermal Physics	2018-19	Thermodynamics is the branch of physics in which students learnt about low temperature production. liquification of gases, working of steam, heat engines. Student are able to work in gas industries, thermal power plants, hydropower plants.
BPMCO302	Conductance, Electro Chemistry & Functional Group Organic Chemistry-II	2018-19	Training in concepts, mechanism of functional group chemistry in the field of synthesis of drugs , different organic compounds.
BPMPR306	Conductance, Electro Chemistry & Functional Group Organic Chemistry-II Lab	2018-19	Training in Systematic Qualitative Organic Analysis of Organic Compounds, monofunctional group and preparation of one derivative are useful in pharmaceutical industry and biotech industry.
BPMRA303	Real Analysis	2018-19	Deep and critical analysis of Real numbers, its properties , principles and various named theorem like Bolzano weitrass theorem, nested interval theorem and mean value theorems
BPMVC304	Vector Calculus	2018-19	Quantitative Analysis of scalar point function and vector point function along with the utility of gradient and curl. Knowledge of various integrals- line integral, surface integrals and volume integrals. Also Greens theorem and Gauss divergence theorem

BPMMF304	Mathematical Finance	2018-19	Lays significance on the finance aspect of mathematics like risk aversion, arbitrage, inflations etc. Also gives a deep understanding of asset return and maintainance, two find method, and pricing models.
BPMEM401	Electricity and Megnetism	2018-19	The electricity and magnetism part of this programe provides many careers prospectives manufacturing and technology-based roles. Whether we're talking about renewable or non-renewable energy, there are plenty of careers in electricity and magnetism within the energy sector.
BPMTS402	Transition Metal & Coordination Chemistry, States of Matter and Chemical Kinetics	2018-19	Training in the chemical and magnetic properties of transition metal and coordination compounds is important for working of various industries and research institute.
BPMPR406	Transition Metal & Coordination Chemistry, States of Matter and Chemical Kinetics Lab	2018-19	Training in qualitative semimicro analysis of mixtures containing 2 anions and 2 cations.
BPMAG403	Algebra	2018-19	Providing insight on pure mathematical aspects of Group theory, Ring theory and Number theory including named theorems- Lagranges' theorem, Euler theorem, Fermat little theorem, euclidean algorithm etc.
BPMPC404	Pharmaceutical Chemistry	2018-19	fundamental course of pharmaceutical chemistry provide opportunity in academic , research, medicine and industrial fields. also involving training of synthesis of different pharmaceutical drugs and medicines
BPMGM404	Green Methods in Chemistry	2018-19	develop skill to conversant with applications of green chemistry to organic synthesis. Students will be prepared for taking up entry level jobs in the chemical industry. They also will have the option of studying further in the area.
BPMCI404	Chemoinformatics	2018-19	develop skills in Molecular Modelling and Structure elucidationRecognize, apply, compare and predict chemical structures, properties, and reactivity and; solve chemistry related problems in computatinal area.
BPMSS501	Solid State Physics	2018-19	Training student study the crystal structure of materials, , mechanism transistors and require using X-ray crystallography, neutron diffraction, and electron diffraction which provide student to get employment as Silicon Design Engineer, Technical assistant in labs.
BPMMP501	Medical Physics	2018-19	Provide qualitative knowledge regarding how ionising radiation interacts with matter, how it affects living organisms and how it is used as a therapeutic technique which involve student in therapeutic technique assistant.
BPMPR505	Discipline Specific Electives (Physics) Lab : Medical Physics Lab	2018-19	We train student how to use CT Scan, ECG, Laser techniques, sphygmomanmeter that provide student technical support in hospital, work as demonstrator and medical sales executive etc.

BPMAP501	Atmospheric Physics	2018-19	Here we student get a qualitative knowledge of stellar evolution, including red giants, supernovas, neutron stars, pulsars, white dwarfs and black holes, using evidence and presently accepted theories which help student to work in weather forecasting.
BPMMPR505	Discipline Specific Electives (Physics) Lab: Atmospheric Physics LAB	2018-19	Students are able to work in weather stations, offices, or laboratories. Occasionally, they do have to do some fieldwork, which means working outdoors to examine the weather.
BPMMPR506	Organometallics, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy	2018-19	Training in synthesis of organometilic compounds, spectroscopy technique NMR, IR , UV makes the student employable in Medicinal Chemistry and Chemical industry
BPMMPR506	Discipline Specific Electives (Chemistry) Lab: Organometallics, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy Lab	2018-19	Training in synthesis of inorganic complexes and quanlitative analysis of organic functional group using spectroscopy is important in chemical industry
BPMMPR502	Molecular Modelling& Drug Design	2018-19	training the students to conformational analysis of compounds, Compare the shapes of the molecules Build and minimize organic compounds make them employable in computational drug design scientist assistant.
BPMMPR506	Discipline Specific Electives (Chemistry) Lab: Molecular Modelling& Drug Design Lab	2018-19	training students to identify basic components of computer and programming as applied to computer assisted design and modelling of molecules and Predicting protein structures by 'Threading', Molecular docking which make them employable in computational research area and industries to synthesised new compounds.
BPMIM502	Instrumental Methods of Analysis	2018-19	Training in different analytical spectroscopy, chromatography techniques, identify the experimental requirements and compare/analyze the data/results and provide employability in industries of chemical synthesis.
BPMMPR506	Discipline Specific Electives (Chemistry) Lab: Instrumental Methods of Analysis Lab	2018-19	develop practical skills in field of determination of ions , separation and detection of carbohydrate make employable in chemical industries and phamaceutical industries.
BPMLP503	Linear Programming	2018-19	Skill enhancement for tabular calculation of real life maxima minima problems. utility of optimization in programming. the concept of duality is used in various computer programming. the transportation and assignment problem bears relevance to various industrial diploma.
BPMMPR503	Mechanics	2018-19	Foundation course for academic, research jobs and technical jobs involving study the behavior of various mechanical instruments.

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BPMQM601	Quantum Mechanics and Application	2018-19	Student get the idea about the nature and behavior of matter, provide quantum computational knowledge energy on the atomic and subatomic level an essential knowledge for the jobs in sectors requiring large scale behavior, get jobs in Quantum software programmer.
BPMPR605	Discipline Specific Electives (Physics) Lab: Quantum Mechanics and Application Lab	2018-19	Student able to relate theoretical and practical idea in Zeeman effect ,there by showing the hyperfine structure,tunning effect which helps student in getting lab technician jobs.
BPMQC602	Quantum Chemistry, Spectroscopy & Photochemistry	2018-19	Training in the basic concepts of spectroscopy(NMR,Mass), chemiluminiscence/ Fluorescence/ Phosphorescence which is basic in many estimation and detection techniques in industries
BPMPR606	Discipline Specific Electives (Chemistry) Lab: Quantum Chemistry, Spectroscopy & Photochemistry Lab	2018-19	Training in spectroscopic and calorimetry practical skills are applied in identification, estimation and detection of organic compounds in industries and laboratory
BPMRC602	Research Methodology for Chemistry	2018-19	Student will develop the skill of research methodology like: types of research, literature review and research method for critically analyzing and writing research report.
BPMNM603	Numerical Method	2018-19	Training in basic concepts of numerical data solution by various estimating method like Regular falsi Runge kutta, Simpsons method.
BPMPS603	Probability and Statistics	2018-19	A relevant course useful for data analyst and share brokerage. the theme of the subject involves various calculation methods for prediction of profit and losses.
BPMEC604	Electrical Circuits and Network Skills	2018-19	Here the student get trained in design the circuits that serve as the foundation for these products, they may modify existing designs or create new designs because circuit technology is constantly changing, which help in getting various goverment job Circuit Designer Engineer, Electrical operator, goverment sector job.
BPMRE604	Computational Physics Skills	2018-19	Training in various crystal structure like atomic structure, crystal structure in form of computational design engineering and also provide detail study to realte thortical and experimental techniques which help student to get employment in computational design operator.
BPMCP604	Renewable Energy and Energy harvesting	2018-19	We train our student in the mechanism of water energy, solar energy and wind energy, also explain about chiep, environment friendly energy which help them in getting involving turbine operation.
BMHDC101	Differential Calculus	2018-19	Maxima minima, and Lagrange's method of undetermined coefficient helps in prediction of various constraints in field of defence, engineering and logistics. Knowledge of differentiability, libnitz and Euler theorem, concavity and convexity trains the student in CURVE SKETCHING

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BMHAG102	Algebra	2018-19	Foundation and practice of vast knowledge of functions, its types and properties. Skill development of division algorithm, calculation of higher order GCD and LCM. Knowledge of solving higher order word problems using matrix transformation. Calculation of rank and dimension using vector algebra
BMHOP103	Object oriented programming in C++	2018-19	Training students in Programming in C language and c++ and simulation in the subject
BMHES104	Environmental Sciences	2018-19	The course will prepare the students toward various national level entrance exams of general awareness such as Indian civil services and Indian forest services etc. (such as laws for environmental protection, conservation of biodiversity)
BMHPR105	Practical-I : Object Oriented Programming in C++ Lab	2018-19	training to operate windows (MS Word, MS Excel, MS Power point), along with c and c++ programming
BMHRA201	Real Analysis I	2018-19	calculation and understanding on limit continuity and differentiability. Problem solving on expansion of series using Taylor and Maclaurin theorem.
BMHRA202	Differential Equations	2018-19	Imparts direct formulation techniques for general, particular, explicit, implicit and singular solution of a differential equation. Also lesson on types of first and second order ordinary and partial differential equation. Derivation of heat, wave and laplace equations. Classification of second order linear equations
BMHMF203	Mathematical finance	2018-19	Lays significance on the finance aspect of mathematics like risk aversion, arbitrage, inflations etc. Also gives a deep understanding of asset return and maintainance, two find method, and pricing models.
BMHEC204	English communication	2018-19	Training students to speak and write with propriety and effectiveness and argue in a positive manner for group discussuion and personal interview
BMHRA301	Real Analysis II	2018-19	Deep and critical analysis of Real numbers, its properties , principles and various named theorem like Bolzano weitrass theorem, nested interval theorem and mean vsluae theorems
BMHPD302	Partial Differential Equation	2018-19	problem solving ability for first order partial differential equation. Applying method of separation of variable. Solving the vibrating string problem and heat conduction problem.brief knowledge on successive differentiation- Euler's method, Modified Euler's methos and Runge Kutta method
BMHRI303	Riemann Integration and series of function	2018-19	Basic knowledge of integrability and understanding of Reimann functions. Introduction to improper integrals and convergence of beta gamma functions. Understanding of powerseries, radius of convergence
BMHVC305	vector calculus	2018-19	Analysis of scalar point function and vector point function along with the utility of gradient and curl. Knowledge of various integrals- line integral, surface integrals and volume integrals. Also Greens theorem and Gauss divergence theorem
BMHMC401	Multivariate Calculus	2018-19	Skill enhancement in area and volume calculation of rectangular regions, parallelopiped and other solid regions. Deep understanding of Greens' theorem, Stokes theorem and the divergence theorem.

BMHAG402	Algebra II	2018-19	Providing insight on pure mathematical aspects of Group theory, Ring theory and Number theory including named theorems- Lagranges' theorem, Euler theorem, Fermat little theorem, euclidean algorithm etc.
BMHAA404	Applications of Algebra	2018-19	Provides insight on techniques of balanced incompleteblock design, coding theory, color patterns, LDU pattern
BMHCM404	Combinatorial Mathematics	2018-19	Working on counting principles, stirling numbers, inclusion exclusion principle, generating functions, recurrence relation models. Use of Polya's theorem of counting,necklace problem, burnside's lemma
BMHOS405	Operating System: Linux	2018-19	understand the utility of Operating System, Linux commands which encourage student to learn LINUX Operating System
BMHPR406	Practical-I : Operating System: Linux Lab	2018-19	Working on system process, Ext2 and Ext3 file systems. system calls for files Process Management, Signals, IPC: Pipes, FIFOs, System V IPC, Message Queues, system calls for processes
BMHGT502	Group Theory	2018-19	Providing insight on pure mathematical aspects of Group theory, Sylow groups and their application
BMHLP503	Linear Programming	2018-19	Skill enhancement for tabular calculation of real life maxima minima problems. utility of optimization in programming. the concept of duality is used in various computer programming. the transportation and assignment problem bears relevance to various industrial diploma.
BMHNT503	Number Theory	2018-19	Used in coding and decoding of the Legendre symbol and its properties, quadratic reciprocity, quadratic congruences with composite moduli. Public key encryption, RSA encryption and decryption, the equation $x^2 + y^2 = z^2$, Fermat's Last theorem.
BMHPS504	Probability and Statistics	2018-19	A relevant course useful for data analyst and share brokerage. the theme of the subject involves various calculation methods for prediction of profit and losses.
BMHNM601	Numerical Method	2018-19	Training in basic concepts of numerical data solution by various estimating method like Regular falsi Runge kutta, Simpsons method.
BMHMM603	Mathematical Modeling	2018-19	Create variables and other abstractions to solve college-level mathematical problems in conjunction with previously-learned fundamental mathematical skills such as algebra;
BMHME604	Mechanics	2018-19	The physicist, the motor engineers utilise the mathematical aspect of moment, laws of conservation. the mathematical calculation of named theorem like Theorem of Pappus-Guldinus, Chasles' theorem
BPHWO101	Waves and Optics	2018-19	Training in measurement of small displacements, refractive index changes, total internal reflection, application of Standing Waves as Audible Information in Hypertension Therapy.
BPHPR105	Wave and Optics Lab	2018-19	After successfully completing this laboratory, students are eligible to jobs in LASER based companies, jobs in production and research department. The students are capable to answer the term constructive and destructive interference, optical Sensors, Methen gas sensors and etc.

BPHAS102	Analog Systems and Applications	2018-19	Training students on integrated Circuits makes the students employable in electronic companies dealing with hardware.
BPHPR106	Analog Systems and Applications Lab	2018-19	Hands on training in connecting multi-meter to measure total current, analysis of analog and digital signal via oscilloscope and use of function generator, calibrate the oscilloscope make the student employable in electronics research labs.
BPHOP103	Object Oriented Programming in C++	2018-19	Students acquire knowledge of OOPs concepts like Polymorphism which provide security and apply in website development, software development, and developing of mobile apps. Students are eligible and giving preference for getting selection in pharmaceutical industries, IT industries and statistical departments.
BPHPR107	Generic Elective Lab: Object Oriented Programming in C++ Lab	2018-19	Students get training in programming language called C++ that help them to analyze problems and implement simple C++ applications and also OOPs concepts like Polymorphism which provide security to the data make the student employable in jobs such as software engineering, Computer operator, Programmer etc.
BPHPC103	Physical Chemistry I: States of Matter & Ionic Equilibrium	2018-19	Acquired the knowledge in theory and practicals to determine acidity, Basicity and Pka value, pH and buffer solution and role of indicators, applied in academics and industries.
BPHPR107	Generic Elective Lab: Physical Chemistry I: States of Matter & Ionic Equilibrium Lab	2018-19	Students got the knowledge of buffer solutions and preparation and conductometric titration share this experience in drug analysis in Industry and academic.
BPHAL103	Algebra-I	2018-19	Foundation and practice of vast knowledge of functions, its types and properties. Skill development of division algorithm, calculation of higher order GCD and LCM. Knowledge of solving higher order word problems using matrix transformation. Calculation of rank and dimension using vector algebra
BPHE104	Environmental Science	2018-19	Training students to understand and spread awareness about the environmental problems involving interaction of humans and natural systems at local or global level make the student get job in environmentalists in the near future.
BPHME201	Mechanics	2018-19	We train and develop effective instructional materials to enhance student abilities in understanding simple harmonic motion in term of multiple representations and collision process can be represented in multiple representations, such as verbal, visual, graph, and mathematical.
BPHPR205	Mechanics Lab	2018-19	Training the student in Bar pendulum whirling properties of beam, rigidity of metal wires and RPM setting of rotating bodies useful in civil and mechanical engineering. Training the student using the sextant useful in civil engineering

BPHDS202	Digital System and Applications	2018-19	Here students get theoretical approach on Flip-flops a, counters, registers and application of CRO, number conversion such as digital to binary is a highly employable course and student can find work in many areas, including the electronics, automotive, IT, telecoms, manufacturing, power, transport, utilities and construction industries.
BPHPR206	Digital System and Applications Lab	2018-19	Students know about the different types of made from large assemblies of logic gates XOR / XNOR used as parity checker, representations of Boolean logic functions which helps them for employment in various sector mainly as Electrical Engineers/ Technician/ Electronic & Communication Engineers, Software engineer and also it have wide employability in government projects, in research field.
BPHDP203	Data Structure and File Processing	2018-19	Concept of data structures, like stack, queue, linklist, trees, graphs in this student get training in how data store/update/retrieve and are helpful in placement drives of the IT industries, software development companies.
BPHPR207	Data Structure and File Processing Lab	2018-19	Skill development in use of data structures, like stack, queue, linklist, trees, graphs in this student get training in how data store/update/retrieve and are helpful in placement drives of the IT industries, software development companies.
BPHDE203	Differential Equation	2018-19	Imparts direct formulation techniques for general, particular, explicit, implicit and singular solution of a differential equation. Also lesson on types of first and second order ordinary and partial differential equation. Derivation of heat, wave and laplace equations. Classification of second order linear equations
BPHPC203	Physical Chemistry –II Chemical Thermodynamics & its Applications	2018-19	Students can involved in the process already there and they can be performed the duties with greater care and cautions they can understand very quickly if any thing going wrong and even should be able to take corrective measures to minimize the loss.
BPHPR207	Generic Elective Lab: Physical Chemistry –II Chemical Thermodynamics & its Applications Lab	2018-19	The thermodynamic analysis of heat of reaction provide opportunity in basic and applied research and also work in power plants sectors.
BPHEN204	English/MIL Communication)	2018-19	Training students to speak and write with propriety and effectiveness and argue in a positive manner for group discussion and personal interview.
BPHTP301	Thermal Physics	2018-19	Student get trained in low temperature production study, also introduce mechanism of liquification of gases, working of steam, heat engines which help them in get employment in Atomic Power Industries and Nuclear Power Plant gas industries, thermal power plants, hydropower plants.
BPHMP302	Mathematical Physics I	2018-19	Student train in solving ordinary and partial differential equations of second order that are common in the physical sciences and vector analysis in solving physical problems which helps them in getting expert in all fields.
BPHPR307	Mathematical Physics I Lab	2018-19	This subject help the student to get practical knowledge that imparts conceptual base for general, particular, explicit, implicit and singular solution of a differential equation.

BPHM303	Electricity and magnetism	2018-19	We introduce our students in scalar and vector fields of electric field also involve them in the activity of how to calculate the capacitance of cylinder makes them to get jobs in Electrician, Audio and Video Equipment Technicians, Electric Home Appliance and Power Tool Repairer.
BPHPR308	Electricity and Magnetism Lab	2018-19	Student get trained in electron produce magnetic field and spinning magnet cause an electric current to flow, and are integral to the working of nearly every gadget, appliance, vehicle, machine used.
BPHPR307	Mechanical Drawing	2018-19	Training in produce drawings and plans for a wide range of fields that provide students visual aids and blueprints for construction and factory workers, engineers and architects.
BPHCP304	Computational Physics skills	2018-19	Training in various crystal structure like atomic structure, crystal structure in form of computational design engineering and also provide detail study to real theoretical and experimental techniques which help student to get employment in computational design operator.
BPHRE304	Renewable Energy and Energy Harvesting	2018-19	We train our student in the mechanism of water energy, solar energy and wind energy, also explain about cheap, environment friendly energy which help them in getting involving turbine operation.
BPHID305	Introduction to Database Systems	2018-19	Training in relational data model, database systems. Formulation using SQL, solutions to a broad range of query and data update problems..
BPHPR309	Generic Elective Lab: Introduction to Database Systems Lab	2018-19	Skill enhancement in developing and handle large databases and applicable in various IT sector and pharma industries.
BPHDP305	Partial Differential Equation	2018-19	problem solving ability for first order partial differential equation. Applying method of separation of variable. Solving the vibrating string problem and heat conduction problem. brief knowledge on successive differentiation- Euler's method, Modified Euler's method and Runge Kutta method
BPHPC305	Physical Chemistry –III: Phase Equilibria & Chemical Kinetics	2018-19	Students gain the knowledge of kinetic and phase equilibria. And applied their knowledge in ores and alloys industries.
BPHPR309	Generic Elective Lab: Physical Chemistry –III: Phase Equilibria & Chemical Kinetics Lab	2018-19	Students gain the knowledge of kinetic and phase equilibria and applied their knowledge in ores and alloys industries.
BPHM401	Elements Of Modern Physics	2018-19	Training in basic knowledge of physics and correlate classical and quantum concept, introduce laser by which we can introduce our student to determine cell structure of Ruby laser, CO2 laser He-Ne laser which makes student to get jobs in medical technical technician.
BPHSS402	Solid state physics	2018-19	Training student study the crystal structure of materials, mechanism transistors and require using X-ray crystallography, neutron diffraction, and electron diffraction which provide student to get employment as Silicon Design Engineer, Technical assistant in labs.
BPHMP403	Mathematical Physics II	2018-19	Introduce the various applications in functional analysis as in Holomorphic functional calculus for several sectorial operators acting in Banach space and is useful in jobs related to electrostatics.

BPHEC404	Electrical Circuit Networking Skills	2018-19	Here the student get trained in design the circuits that serve as the foundation for these products, they may modify existing designs or create new designs because circuit technology is constantly changing, which help in getting various government job Circuit Designer Engineer, Electrical operator, goverment sector job.
BPHWF404	Weather Fosrecasting	2018-19	Students get trained to apply their ideas in the the field of Environmental scientists, Storm Chaser, Climatologist, Meteorologist
BPHRS404	Radiation Sefety	2018-19	Students are able to perform and evaluate radiation, X-ray, and electromagnetic field measurements. Students are able to assist clients with CNSC license applications, radiation safety protocols and manuals; produce technical reports; participate in scientific and technical meetings
BPHJP405	Java Programming	2018-19	We train our students skills like OOPs concept like data encapsulation, data hiding, polymorphism, inheritance, programming language that help them to analyze problems and implement simple JAVA applications and and providing security to the data , providing jobs such as software engineering.
BPHPR409	Java Programming Lab	2018-19	Training in programming language java help students to ready to work in software industries. and gives you a chance to work at the cutting edge of mobile development. It's a wonderful leg-up into the industry.
BPHOC405	Organic III: Heterocyclic Chemistry	2018-19	Stuents gained the knowledge of synthesis of heterocyclic compounds and good knowledge of reaction mechanism and predict the products. In pharmaceutical industries , got the position and will used his knowledge and perform his duitels care and cautions.
BPHPR409	Organic III: Heterocyclic Chemistry LAB	2018-19	Student trained to Systematic Qualitative Organic Analysis of Organic Compounds, monofunctional group (-COOH, phenolic, aldehyde, ketonic, amide, nitro & amines) and preparation of one derivative , provide emplybilty in researches, in synthesis of organic compounds and their detection in industries as chemist.
BPHAL405	Algebra-II	2018-19	Providing insight on pure mathematical aspects of Group theory, Ring theory and Number theory including named theorems- Lagranges' theorem, Euler theorem, Fermat little theorem, euclidean algorithm etc.
BPHMP501	Mathemeatical Physics - III	2018-19	Training students to solve basic classical vibrational problems, received basic training in tensor calculus and how to simplify them using coordinate transformations, which help in understanding projectile mapping which makes student to get employment as projectile mapping operator.
BPHSM502	Statistical Mechanics	2018-19	Student get train in fundamental study of any physical system that has many degrees of freedom and the approach is based on statistical methods, probability theory and microscopic physical laws and can get employment in various sectors such as economics, medicine, demography, psychology, advertising, etc.

BPHES503	Experimental Techniques	2018-19	Scientific laboratory technicians carry out the work that allows scientists to concentrate on, and perform, the more complex analytical processes in the laboratory which get involved in a variety of laboratory-based investigations within biological, chemical, physical and life science areas.
BPHDS503	Digital Signal Processing	2018-19	Signal Processing Plays a Key Role in Multiple Industries: Signals are used to transmit information in nearly every imaginable field. They are used extensively in what will likely be a high-growth industry in years to come: health care. Signal processing is essential for the use of X-rays, MRIs and CT scans, allowing medical images to be analyzed and deciphered by complex data processing techniques.
BPHCE503	Communication Electronics	2018-19	Student get platform for learning not only theory but also practical aspects of electronics and communication engineering involving in qualitative idea GPS navigation system.
BPHPR507	Communication Electronics Lab	2018-19	Here students get theoretical approach on Flip-flops a, counters, registers and application of CRO, number conversion such as digital to binary is a highly employable course and student can find work in many areas, including the electronics, automotive, IT, telecoms, manufacturing, power, transport, utilities and construction industries.
BPHNP504	Nuclear and Particle Physics	2018-19	Training in radioactivity, alpha decay, beta decay /, gamma decay etc found in a variety of career fields, such as energy and nuclear power. The most prominent careers in this field include nuclear power station operator/technician
BPHMP504	Medical Physics	2018-19	Provide qualitative knowledge regarding how ionising radiation interacts with matter, how it affects living organisms and how it is used as a therapeutic technique which involve student in therapeutic technique assistant.
BPHPR508	Medical Physics Lab	2018-19	We train student how to use CT Scan, ECG, Laser techniques, sphygmomanometer that provide student technical support in hospital, work as demonstrator and medical sales executive etc.
BPHQM601	Quantum Mechanics and Application	2018-19	Student get the idea about the nature and behavior of matter, provide quantum computational knowledge energy on the atomic and subatomic level an essential knowledge for the jobs in sectors requiring large scale behavior, get jobs in Quantum software programmer.
BPHPR605	Quantum Mechanics and Application Lab	2018-19	Student able to relate theoretical and practical idea in Zeeman effect, there by showing the hyperfine structure, tunneling effect which helps student in getting lab technician jobs.
BPHET602	Electromagnetic Theory	2018-19	Student get trained in the field of Electromagnetics (EM) deals with electromagnetic fields and detailed study of interdependent electric and magnetic fields are varying with time, that is, they are dynamic involve student in engineering disciplines to design complex electromechanical systems.
BPHET606	Electromagnetic Theory Lab	2018-19	The student trained in devices such multimeter and how to measure AC and DC voltage which help to get jobs as a, Signal processing engineer, Manufacturing operator, Electromagnetic engineer.

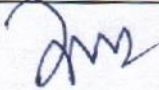
BPHNM603	Nano Materials and Applications	2018-19	We train our student in scope and application of nanotechnology such as XRD technique, SEM, TEM and CNT is tremendous and stupendous which help them in getting jobs in medicine, pharmaceuticals, information technology, electronic, optoelectronics, energy, chemicals, advanced materials to textiles, nanotechnology has its applications.
BPHPR607	Nano Materials and Applications Lab	2018-19	We train our student in Experimental techniques like XRD, SEM, TEM etc, CNT and preparing thin films helps them to analyse the study of size, shape, stability and determining crystal structure which involve student in Hologram and Optics Technician.
BPHPE603	Physics of Earth	2018-19	Student get qualitative skills related to the structure and evolution of the Earth as a dynamic planet within our solar system
BPHAS603	Astronomy & Astrophysics	2018-19	Here we student get a qualitative knowledge of stellar evolution, including red giants, supernovas, neutron stars, pulsars, white dwarfs and black holes, using evidence and presently accepted theories which help student to work in weather forecasting.
BPHAP604	Atmospheric Physics	2018-19	Here we student get a qualitative knowledge of stellar evolution, including red giants, supernovas, neutron stars, pulsars, white dwarfs and black holes, using evidence and presently accepted theories which help student to work in weather forecasting.
BPHAP608	Atmospherical Physics Lab	2018-19	Students are able to work in weather stations, offices, or laboratories. Occasionally, they do have to do some fieldwork, which means working outdoors to examine the weather.
BBZPD-101	Plant Diversity	2018-19	Training students about the identification and characterization of different types of plant on the basis of their morphological, reproduction and pattern of life cycle which will helpful in self employment in plant nurseries and agriculture.
BBZAH-102	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	2018-19	Train and develop skill to identification and synthesis of new compound by applying the concept of chemical bond formation and atomic structure of compounds, organic synthesis provides employability in different chemical industries and research.
BBZAD -103	Animal Diversity	2018-19	Training the students in identification and characterization in various taxa which enables them competitive exams and makes them employable in zoological parks. Training in characteristics and classification of Arthropods and insect vectors will fetch jobs in public health sector.
BBZES204	Environmental Studies	2018-19	The course will prepare the students toward various national level entrance exams of general awareness such as Indian civil services and Indian forest services etc. (such as laws for environmental protection, Indian patent laws and Intellectual/Industrial property rights, conservation of biodiversity)
BBZPR -105	Practical Botany Plant diversity	2018-19	Skill development in simple staining and differential staining, permanent slides, museum specimens

BBZPR-106	LAB Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	2018-19	Training in analytical technique like Thin layer chromatography and detection of alkali content in water sample is important in pharmaceutical/Textiles/Dye synthesis industries for check the purity of organic compounds and monitoring the reactions.
BBZPR -107	Practical Zoology Animal Diversity	2018-19	Demonstration of museum specimen and permanent slides to characterize and identify animals from various taxa makes them employable at zoological parks. Skill development in differentiation and identification of poisonous and non- poisonous snakes.
BBZPT-201	Plant Ecology& Taxonomy	2018-19	Training in study of soil composition on the basis of organic and inorganic components (carbonates, chlorides, nitrates, sulphates and organic matters) present in the soil and their relation to plant life and different plant adaptations in relation to light, temperature, water and salinity makes the student employable in various soil testing labs in agriculture sector
BBZCF-202	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	2018-19	Training in functional group chemistry is important for synthesis of drugs and different organic compounds.
BBZCS-104	Professionals Communication Skills	2018-19	Training students to speak and write with propriety and effectiveness and argue in a positive manner for group discussion and personal interview
BBZPR -205	Practical Botany Plant Ecology and Taxonomy	2018-19	Training in estimation of different inorganic constituents like carbonates, chlorides, nitrates, sulphates and organic matters present in the soil and other physico-chemical-biology parameters of plant growth makes the student employable in various labs in agriculture sector
BBZPR-206	Chemical Energetics, Equilibria & Functional Organic Chemistry Lab	2018-19	Training in purification of organic compound by crystallization, determination of melting and boiling points and synthesis is helpful in pharmaceutical industries, chemical industries etc
BBZZP-207	Practical Zoology Comparative Anatomy and Developmental Biology	2018-19	Skill development in window making and acquire knowledge about the various developmental stages of chick which makes them employable in research labs
BBZAE- 301	Plant Anatomy& Embryology	2018-19	Training in pollination, syngamy, double fertilization, endosperm formation and polyembryony which helps them to get the employment in nursery and as palynologist and research scientist.
BBZCE-302	Conductance, Electro Chemistry & Functional Group Organic Chemistry-II	2018-19	Training in concepts, mechanism of functional group chemistry in the field of synthesis of drugs , different organic compounds.
BBZPB- 303	Physiology & Biochemistry	2018-19	Prepare the students toward various national level entrance exams such as Indian civil services, SSC etc.
BBZPR- 305	Practical Botany Plant Anatomy and Embryology	2018-19	Training in calculating the percentage of pollen germination and can dissection the embryo/endosperm from developing seeds which helps them to get the employment in nursery and as palynologist and research scientist.

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BBZPR-306	Lab Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II	2018-19	Training in Systematic Qualitative Organic Analysis of Organic Compounds, monofunctional group (-COOH, phenolic, aldehyde, ketonic, amide, nitro & amines) and preparation of one derivative are useful in pharmaceutical industry and biotech industry.
BBZPR- 307	Practical Zoology Physiology and Biochemistry	2018-19	Training in experimental analysis/estimation of carbohydrates and proteins in the given sample is important for employability in various analytical labs
BBZPM -401	Plant Physiology & Metabolism	2018-19	Training students in basic concept of transpiration, mineral nutrition, osmotic potential as well as enzyme action on plant metabolism is important for execution of agricultural business ideas.
BBZTS-402	Transition Metal & Coordination Chemistry, States of Matter and Chemical Kinetics	2018-19	Training in the chemical and magnetic properties of transition metal and coordination compounds is important for working of various industries and research institute.
BBZGE -403	Genetics & Evolutionary Biology	2018-19	Students develop skills which enhance their knowledge about fossils and makes them employable to further take up Paleontology as a career option.
BBZPR-405/ (PR/Bot -405 in BOS)	Practical Botany Plant Physiology and Metabolism	2018-19	Training in chromatography technique for separation of various biological compounds, hill's reaction, catalase and peroxidase activity and osmotic potential
BBZPR-406/ (PR/Chem-406 in BOS)	Lab Transition Metal & Coordination Chemistry, States of Matter & Chemical Kinetics	2018-19	trained to Qualitative semimicro analysis of mixtures containing 2 anions and 2 cations. Emphasis should be given to the understanding of the chemistry of different reactions provide job area in research institute as researcher, chemist in government and non government laboratory.
BBZPR-407/ (PR/Zoo-407 in BOS)	Practical Zoology Genetics & Evolutionary Biology	2018-19	Development of skill to study a idiogram and identify whether the human karotype is normal or abnormal.
BBZCM-501	Cell & Molecular Biology	2018-19	Training in handling of biological samples (Cells/ tissues), differentiate between different types of cells/ tissues and training in principle, construction and application of different types of microscopic techniques
BBZOS-502	Organometallics, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy	2018-19	Training in synthesis of organometilic compounds, spectroscopy technique NMR, IR , UV makes the student employable in Medicinal Chemistry and Chemical industry
BBZIM-503	Immunology	2018-19	Provides the theoretically as well as technical know-how of the antigen-antibody interaction, production and application of monoclonal antibodies, type of Vaccines and their mechanism of action; which will pave the path for students in fetching jobs of technical sales executives/specialists in Pharmaceutical companies or companies involved in the production of Biologicals.

BBZBB-501	Economic Botany & Biotechnology	2018-19	Provide technical skills of plant tissue culture and genetic engineering to culture/ micropropagate economically important plants on large scale which bears directly employability in agriculture, crop improvement, secondary metabolite production in government/ non-government organisation or startup companies.
BBZQP-602	Quantum Chemistry, Spectroscopy & Photo Chemistry	2018-19	Training in the basic concepts of spectroscopy(NMR,Mass), chemiluminescence/ Fluorescence/ Phosphorescence which is basic in many estimation and detection techniques in industries
BBZAZ-603	Applied Zoology	2018-19	Students can initiate their own start-up of fish farming and transportation/poultry farming, Animal husbandry etc. Training the students about characteristics and classification Parasitic protozoans(Entamoeba histolytica, Plasmodium vivax and Trypanosoma gambiense) and mosquitoes (Anopheles, Culex, Aedes) will fetch a job in public health sector.
BBZAT-501	Analytical Techniques in Plant Sciences	2018-19	Training in principle, construction, working and application of spectrophotometry, microscopy and chromatography.
BBZIC-502	Instrumental method of chemical analysis	2018-19	Training in different analytical spectroscopy, chromatography techniques, identify the experimental requirements and compare/analyze the data/results and provide employability in industries of chemical synthesis.
BBZAB-503	Aquatic Biology	2018-19	Marine biologists, Can involved in developing designated marine reserves and creating artificial reefs/wrecks in order to encourage wildlife into an area Practical fieldwork skills
BBZBI-601	Bioinformatics	2018-19	Training for phylogenetic tree construction and analysis of makes the student employable for knowledge processing organization and research industries.
BBZMD-502	Molecular Modelling& Drug Design	2018-19	training students to identify basic components of computer and programming as applied to computer assisted design and modelling of molecules and Predicting protein structures by 'Threading', Molecular docking which make them employable in computational research area and industries to synthesised new compounds.
BBZRB-503	Reproductive Biology	2018-19	Conduct clinical research and lab work and learn how to strengthen the processes that allow the body to function and fight disease. may lead to advancements in livestock breeding and world food production, fetal monitoring, in vitro fertilization practices or the development of contraceptives.
BBZRM-601	Research Methodology	2018-19	Student will develop the skill of research methodology like: types of research, literature review and research method for critically analyzing and writing research report.
BBZRC-602	Research Methodology for Chemistry	2018-19	students should be able develop skills to construct a rational research proposal to generate fruitful output in terms of publications, literature review and patents in the field of chemical sciences.


BBZID-603	Insect, Vector and Diseases	2018-19	Provides basic information of pests and vectors, their surveillance techniques and procedures to use available tools and most appropriate methods at local level to manage them in a time framework with systematic actions students pursuing Pest Management as their career. Understand the effective way of insect pest management strategy.
BBZPR-505	Practical Botany Cell and Molecular Biology	2018-19	skill development in differentiation of plant and animal cell, types of tissue and types of cell division through temporary mounts and permanent slides.
BBZPR-506	Lab Organometallics, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy	2018-19	Training in synthesis of inorganic complexes and quantitative analysis of organic functional group using spectroscopy is important in chemical industry
BBZPR-507	Zoology Practical Immunology	2018-19	Students learn to identify the blood groups from the given blood sample using ABO Blood grouping kit.
BBZPR-505	Analytical Techniques in Plant Sciences Lab	2018-19	Training in different techniques like Thin layer chromatography, paper chromatography and column chromatography for separation of different compounds which is important in pharmaceutical/Textiles/Dye synthesis industries for check the purity of organic compounds.
BBZPR-506	Instrumental method of chemical analysis Lab	2018-19	develop practical skills in field of determination of ions, separation and detection of carbohydrate make employable in chemical industries and pharmaceutical industries.
BBZPR-507	Aquatic Biology Lab	2018-19	Develop practical field work skills Employ scientific methodologies such as experimentation and data analysis in the area of aquatic biology.
BBZPR-605	Bioinformatics Lab	2018-19	Skill enhancement in developing and handling databases using computational tools to predict protein structures applicable in various IT sectors and pharmacy industries.
BBZPR-506	Molecular Modelling & Drug Design Lab	2018-19	training the students to conformational analysis of compounds, Compare the shapes of the molecules Build and minimize organic compounds make them employable in computational drug design scientist assistant.
BBZPR-605	Research Methodology Lab	2018-19	Student will develop the skill of independent thinking for critically analyzing and writing research report.
BBZPR-505	Botany Practical: Economic Botany and Biotechnology	2018-19	facilitate up-skilling the capacity in pest/vector management among extension professionals in local bodies as well as commercial pest management professionals in industrial and urban areas
 Additional Registrar Jaipur National University Jaipur	Lab Quantum Chemistry, Spectroscopy & Photochemistry	2018-19	training students in micropropagation, polymerase chain reaction, AGE and PAGE techniques and differentiation between anther, endosperm and embryo culture of economically important plants

BBZPR-607	Practical Zoology Applied Zoology	2018-19	Training in spectroscopic and calorimetry practical skills are applied in identification, estimation and detection of organic compounds in industries and laboratory
BBZIP-604	Intellectual Property Rights*	2018-19	Skill development in start-up of silkworm rearing/bee-keeping/fish farm/prawn culture/poultry farm etc.
BBZMB-304	Medicinal Botany *	2018-19	Training students about the concept of IPR like patent, copyright, trademark will make them innovators in the field of agriculture and other technologies
BBZPC-404	Pharmaceutical Chemistry*	2018-19	Skill development in nutritional and medicinal properties of important plants those are used in day-to-day daily life which helps to built an idea for directly employability in agriculture. Conservation and propagation of Medicinally important mechanisms (Grafting, budding, cutting and layering) for employment in the nursery, industry, pharmacy.
BBZPH-504	Public Health and hygiene	2018-19	Training in the synthesis of different pharmaceutical drugs and medicines.
BBZNG-304	Nursery and Gardening	2018-19	students can work as a project assistant in public health projects funded by government or non-government organizations. They also develop skill to frame a public health plan during any epidemic or spread infectious diseases.
BBZAC-404	Basic Analytical Chemistry	2018-19	Training students in techniques of Vegetative propagation like air-layering, cutting, rooting, planting, Hardening will helpful in self employment in plant nurseries, horticulture, agriculture and in research work.
BBZAP-504	Apiculture	2018-19	Train the students in analysis of soil, water and food products by different analytical techniques chromatography and complexometric titration help them to get job as a analyst in pollution controlled board
BBZMC-304	Mushroom Culture Technology	2018-19	Skill development in adopting beekeeping professionally
BBZCI-404	Chemoinformatics	2018-19	Skill enhancement in manual work like: culture techniques, spawn techniques, sterilization, artificial environment control, harvesting, packaging and storage for establishing mushroom cultivation unit/ cottage/ small scale industry
BBZAF-504	Aquarium Fish Keeping	2018-19	develop skills in Molecular Modelling and Structure elucidation, Recognize, apply, compare and predict chemical structures, properties, and reactivity and; solve chemistry related problems in computatinal area.
BBZGC-604	Green Methods in Chemistry	2018-19	Skill enhancement in ornamental fish breeding.
BBZMD-604	Medical Diagnostics	2018-19	develop skill to conversant with applications of green chemistry to organic synthesis. Students will be prepared for taking up entry level jobs in the chemical industry. They also will have the option of studying further in the area.
BPMDG304	Differential Geometry	2018-19	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker

BPMRL503	Ring Theory and Linear Algebra-I	2018-19	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BPMED504	Entrepreneurship Development	2018-19	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BPMIP504	Intellectual Property Rights (IPR)	2018-19	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BPMBC504	Business Skills for Chemist	2018-19	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BPMPR505	Solid State Physics Lab	2018-19	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BPMRL603	Ring Theory and Linear Algebra-II	2018-19	training in principle, components, optical path and application of different types of spectroscopic, microscopic, radioactivity measuring instruments centrifugation, electrophoresis, conductometry, potentiometry and chromatographic techniques which are required in research, industries and medical field.
BPMPR605	Element of Modern Physics Lab	2018-19	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BMHGT203	Graph Theory	2018-19	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker
BMHLS305	Logics and set	2018-19	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BMHIS304	Information Security	2018-19	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BMHMS403	Metric Spaces and Complex Analysis I	2018-19	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BMHRL501	Ring Theory and Linear Algebra I	2018-19	Skill enhancement in drug manufacturing process and phases of clinical trials of pharmaceutical products makes the individual employable in Pharmaceutical companies
BMHIM504	Industrial mathematics	2018-19	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BMHFE505	Finite Element Methods	2018-19	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker

BMHEC505	Econometrics	2018-19	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BMHRL602	Ring Theory and Linear Algebra II	2018-19	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BMHTE603	Theory of equation	2018-19	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BMHDG604	Differential Geometry	2018-19	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BMHPR605	Numerical Method Lab	2018-19	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BPHPR306	Thermal Physics Lab	2018-19	training in principle, components, optical path and application of different types of spectroscopic, microscopic, radioactivity measuring instruments centrifugation, electrophoresis, conductometry, potentiometry and chromatographic techniques which id required in research, industries and medical field.
BPHPR406	Elements Of Modern Physics Lab	2018-19	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BPHPR407	Solid State Physics Lab	2018-19	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker
BPHPR408	Mathematical Physics II Lab	2018-19	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BPHBP504	Biological Physics	2018-19	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BPHPR505	Mathematical Physics - III Lab	2018-19	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BPHPR506	Statistical Mechanics Lab	2018-19	Skill enhancemnet in drug manufacturing process and phases of clinical trials of pharmaceutical products makes the individual employable in Pharmaceutical companies
BPHPR507	Experimental Techniques Lab	2018-19	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BPHCD604	Classical Dynamics	2018-19	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker

BBZCD203	Comparative Anatomy & Developmental Biology	2018-19	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BBZZP-207	Practical Zoology Comparative Anatomy and Developmental Biology	2018-19	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BBZZP-507/607	Reproductive Biology Lab	2018-19	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
MMAT 405T	Mathematical Statistics	2018-19	Provide case studies
BAHEN101	Introduction to Literature	2018-19	Enable the students to understand and teach the social and political conditions of the various ages in Britain
BAHEN103	Poetry I	2018-19	Enable the students to respond critically and creative to the world around
BAHEN104	Drama I	2018-19	Enable the students to respond critically and creatively to the world around
BAHEN105E	Introduction to Sociology- I	2018-19	Learning and Analytical Skill
BAHEN106E	Introduction to Psychology-I	2018-19	Learning and Analytical Skill
BAHEN108E	Compulsory Language German-I	2018-19	Spoken German Skills
BAHEN201	Non-Fiction Prose	2018-19	Enable the students to respond critically and creatively to the world around
BAHEN202	Poetry-II	2018-19	Enable the students to respond critically and creative to the world around
BAHEN203	Drama-II	2018-19	Enable the students to respond critically and creatively to the world around
BAHEN205E	Introduction to Sociology- II	2018-19	Analytical, and Research Skills
BAHEN206E	Introduction to Psychology-II	2018-19	Analytical, and Research Skills
BAHEN208E	Compulsory Language German-II	2018-19	Spoken & Written German Skills
BAHEN305E	Introduction to Sociology- III	2018-19	Analytical, and Research Skills
BAHEN306E	Introduction to Psychology-III	2018-19	Analytical, and Research Skills
BAHEN308E	Compulsory Language German-III	2018-19	Spoken & Written German Skills
BAHEN405E	Introduction to Sociology- IV	2018-19	Analytical, and Research Skills
BAHEN406E	Introduction to Psychology-IV	2018-19	Analytical, and Research Skills
BAHEN408E	Compulsory Language German-IV	2018-19	Spoken & Written German Skills
BAHEN506E	Translation Studies	2018-19	Enable the students to undertake various translation works
BAHEN507E	Cinematic Adaptations of Classics	2018-19	Enable the students to be professionally skilled and employable in the media
BAHEN603	Critical Theories II	2018-19	Enable the students to teach various contemporary literary theories


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BAHEN604	Language in Use	2018-19	Aspects of Language and Linguistics
BAHEN605E	Introduction to Linguistics	2018-19	Linguistics and its Branches
BAHEN606E	English Language Teaching	2018-19	Enable the students to teach the various aspects of English language
BAHEN607E	Introduction to Language	2018-19	Language and its Branches
SOLLEN0010C	Modernism: A Literary Movement	2018-19	Critical essays post World War I
SOLLEN0011C	Indian Philosophy	2018-19	Critical Essays on Indian Philosophy
SOLLEN0012C	Western Philosophy	2018-19	Critical Essays on Western Philosophy
SOLLEN0013C	Subaltern Studies	2018-19	Critical Essays on the subalterns and marginalised
SOLLEN0014C	Cultural Studies	2018-19	Study of Culture and their response in literature
SOLLEN001C	Creative Writing	2018-19	Art of Writing Poetry and Prose
SOLLEN002C	Art of Oratory	2018-19	Spoken Skills
SOLLEN003C	Academic Writing	2018-19	Writing Skills
SOLLEN004C	Personality Development and Communication	2018-19	Verbal and Non Verbal Communications
SOLLEN005C	Mass Media and Journalism	2018-19	Creativity in Media
SOLLEN006C	Discourse Analysis	2018-19	Analysis of Speeches or dialogues
SOLLEN007C	Indian Aesthetics	2018-19	Essays on Natyaved, Natyashastra
SOLLEN008C	Western Aesthetics	2018-19	Essays on Immanuel Kant and Plato's Aesthetics
SOLLEN009C	Post Colonialism: A Literary Movement	2018-19	Essays on the colonial countries
MAENG305E	World Literatures	2018-19	Exposure towards literature of the world
MAENG306E	Afro- American Literature	2018-19	Analytical, and Research Skills
MAENG307E	Canadian and Australian Literature	2018-19	Enable the students to respond critically and creatively to the world around
MAENG405E	Literature Post World War- II	2018-19	Exposure towards war Poetry, and situation of world facing various crisis (Socio-economic- political) after WWII and their portrayal in Literature
MAENG406E	Translation Studies	2018-19	Enable the students to undertake various translation works
MAENG407E	Cinematic Adaptations of Classics	2018-19	Enable the students to be professionally skilled and employable in the media
BBAFA104	Financial Accounting	2018-19	Preparation of Financial Statements
BBAIT305	IT for Managers	2018-19	Ethical responsibility of IT manager
BBADB306	Indian Diversity & Business	2018-19	Select a rural area near to your city and identify its diverse features as compare to your city
BBASA505E	Security Analysis and Portfolio Management	2018-19	Building a Portfolio as Entrepreneur
BBABS506E	Banking Service and Operation	2018-19	Understanding different banking products as entrepreneur
BBATD507E	Training and Development	2018-19	Role Play of trainer and Coaching
BBALS508E	Leadership Skills and Change Management	2018-19	Leadership Style skills
BBACB509E	Consumer Behavior	2018-19	Study the impact of reference group on consumer behaviour
BBAAP602	Auditing – Principles and Practice	2018-19	Role play of an Auditor
BBAFR605E	Financial Reporting	2018-19	Reporting of Public financial statements
BBAGS606E	Goods and Service Tax	2018-19	Computation of GST input
BBAIR607E	Industrial Relations	2018-19	Role Play of Collective Bargaining & Worker Participation

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BBAPM608E	Performance Management	2018-19	Design a performance appraisal form for managers
BBAPB609E	Product and Brand Management	2018-19	Identification of Brand -Quiz and brand building exercises
BBARM610E	Retail Management	2018-19	Plan out a promotional mix of a departmental store
BCPFA102	Financial Accounting	2018-19	Preparation of Financial Statements
BCPEN106	English	2018-19	Notice board activity
BCPIC511E	Indian Constitution	2018-19	Role Play on Fundamental Rights & Duties
BCPAM502E	Advertising Management	2018-19	Ad Mad activity, Radio Jingles
BCPAA603E	Advance Accounting	2018-19	Preparation of Banking Companies Accounts
BCPRM613E	Research Methods	2018-19	Designing the questionnaire , preparation of a research report
BCPOB510E	Organization Behavior	2018-19	Team Building / group development skill
BCPSA508E	Security Analysis and Portfolio Management	2018-19	Building a Portfolio as Entrepreneur
BCPTD505E	Training & Development	2018-19	Role Play of trainer
BCPLS406E	Leadership Skills and Change Management	2018-19	Leadership Style skills
BCPMS504E	Management of Services	2018-19	Designing the promotional mix for a hospital
BCPFR610E	Financial Reporting	2018-19	Reporting of Public financial statements
BCPGS606E	Goods & Service Tax	2018-19	Computation of GST input
BCPIR611E	Industrial Relations	2018-19	Role Play of Collective Bargaining & Worker Participation
BCPOM507E	Operations Management	2018-19	Location Planning of owning restaurant
BCPPD307E	Personality Development	2018-19	SWOT analysis exercise
BCPPB612E	Product & Brand Management	2018-19	Identification of Brand -Quiz and brand building exercises
BCPFR305	French	2018-19	Quiz on English to French
BCPHI206	Hindi	2018-19	Writing an application seeking leave

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Course Code	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
PCC- CH304	Material & Energy Balance	2019-20	Ability to solve material and energy balance problems and apply this knowledge to process flow sheeting in any chemical process industries viz., petroleum industry, petrochemical industry.
PCC-CH309	Material & Energy Balance (Lab)	2019-20	Ability to solve material and energy balance problems involving recycle, bypass and purge, with chemical reaction and energy balance using enthalpy changes and solve energy balance involving chemical reactions in various chemical industries viz., petroleum industry, petrochemical industry.
PCC-CH401	Mechanical Operation	2019-20	This course gives employability by using the size reduction equipment and analysis the sieving performances using different sieve as well as application of sedimentation like cement industries, mining and other chemical process industries.
PCC-CH403	Industrial Pollution Abatement	2019-20	This course gives the employability in the field of Central Pollution Control Board, State pollution control board, irrigation department and various R & D Sections by apply the water treatment method, abatement of atmospheric dispersion of air pollutants and solid waste.
PCC-CH407	Mechanical Operation Lab	2019-20	This course gives employability by using the size reduction equipment and analysis the sieving performances using different sieve as well as application of sedimentation like cement industries, mining and other chemical process industries.
PCC-CH409	Industrial Pollution Abatement Lab	2019-20	This course gives the employability in the field of Central Pollution Control Board, State pollution control board, irrigation department and various R & D Sections by apply the water treatment method, abatement of atmospheric dispersion of air pollutants and solid waste.
PCC-CH603	Inorganic Chemical Technology	2019-20	Through this course, student will get the employability in the process industries like; chloro-alkali, fertilizers, soaps and detergents, sugar manufacture, petroleum, paper and fermentation etc. by applying various unit operation and unit processes.
ESC-CH504	Optimization of Chemical Process	2019-20	This course will employable by using fundamentals of design algorithms and applying a mathematical translation of the verbal formulation of an optimization problem in process industries.
PEC-CH605.1	Process Utility & Industrial Safety	2019-20	This course employable for every process industries by using various risk assesment methodss in industries and hazard analysis using HAZOP.
PEC-CH605.2	Energy Management	2019-20	This course provides the employability in the every process industries like food, chemical, manufacturing by applying energy coservation techniques, energy audits.
PEC-CH605.3	Pharmaceutical Technology	2019-20	This course employable for various Pharmaceutical Industries like Cadila, Glaxo etc; by applying fundamental principles of pharmaceutical metrology and professional role in the healthcare system.

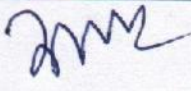
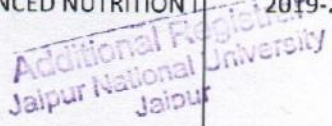
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PCC-CH609	Chemical Technology Lab	2019-20	Through this course, student will get the employability in the process industries like: chloro-alkali, fertilizers, soaps and detergents, sugar manufacture, petroleum, paper and fermentation etc. by applying various unit operation and unit processes.
ESC-CH610	Optimization Techniques Lab	2019-20	This course will employable in every process industries by using fundamentals of design algorithms and applying a To design algorithms, the respective use of which will lead reliably to find and approximate solution.
PCC-CH702	Process Plant Design & Economics	2019-20	This course gives the employability to measure profitability on investments. Perform breakeven analysis and optimum design of a process. It helps to calculate different costs involved in a process plant.
PEC-CH705.1	Process Integration	2019-20	Course create process integration with regard to energy efficiency, waste minimization and an efficient use of raw materials in process industries.
PEC-CH705.2	Material Science & Engineering	2019-20	Materials engineering is so broad that positions are available across many manufacturing and industrial sectors. Employers range from global corporations to small specialist research laboratories, which work with a variety of materials including ceramics, fibre, electronic equipments, glass, polymer, rubber, textiles etc.
PEC-CH705.3	Fuel Cell Technology	2019-20	Employment opportunities will open up in businesses that develop, manufacture, operate, and maintain the fuel cell systems. Jobs will also become available in businesses that produce and deliver the hydrogen and other fuels used by these systems
PCC-CS115	Introduction to Cyber Security	2019-20	Allow to gain employability skill to Learn Cyber Security Basics
PCC-CS213	Introduction to Information Security & Internet based Attacks	2019-20	Allow to gain employability skill to Learn Information Security & Internet based Attacks
BCSII206	Introduction to Information Security & Internet based Attacks	2019-20	1. Students learn to about information and its security. 2. Types of Security Attacks. 3. Students get the knowledge about how to prevent internet based attacks.
BCSNS306	Network Security	2019-20	1. Students learn the cryptography concepts for the secure communication with different networks. 2. Knowledge of different security attacks system can encounter in networks.
BCSMH409	Mobile Hacking and Malwares	2019-20	Students learn to about Mobile hacking and malwares. 2. Types of Mobile hacking 3. Knowledge about mobile malwares.
BCSRE508	Software Reverse Engineering and Cyber Forensics	2019-20	1. Students learn the cryptography concepts for the secure communication with different networks. 2. Knowledge of working procedure of Cyber Forensics.

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BCSIS609	Information Security Management System	2019-20	<ol style="list-style-type: none"> 1. Students learn to implement IP security for better and secure networks. 2. Students get the knowledge of system security to make the system secure while working on different networks. 3. Students learn the cryptography concepts for the secure communication with different networks. 4. Knowledge of different security attacks system can encounter in networks.
PCC-EC501	Electromagnetic Waves	2019-20	<p>Understand characteristics and wave propagation on high frequency transmission lines. Characterize uniform plane wave. Calculate reflection and transmission of waves at media interface</p> <p>Analyze wave propagation on metallic waveguides in modal form. Understand principle of radiation and radiation characteristics of an antenna</p>
HSMC-EC506	Entrepreneurship Development	2019-20	<p>Have the ability to discern distinct entrepreneurial traits. Know the parameters to assess opportunities and constraints for new business ideas. Understand the systematic process to select and screen a business idea. Design strategies for successful implementation of ideas. Write a business plan.</p>
PCC-EC507	Electromagnetic Waves Lab	2019-20	<p>Students will be able to do the hands on practice in the field of telecommunication, which is one of the demanding field in Electronics.</p>
PEC-EC604.3	Introduction to MEMS	2019-20	<p>Students will explain MEMS Technology, Present, Future and Challenges. Students will be able to explain micro sensors, micro-actuators, their types and applications. Students will be able to explain about fabrication processes for producing micro-sensors and actuators. They will also be able to apply Reliability, and Failure Analysis Testing</p>
OEC-EC605.1	Marketing for Engineers	2019-20	<p>students can get the information about the principles of marketing, recent market trends, marketing strategies and sentimental support to the market. They can also get knowledge about the entrepreneurship</p>
HSMC-EC606	Professional Ethics & Disaster Management	2019-20	<p>To appreciate the importance and values and ethics in implementing the technology and ensure sustainable development, happiness and prosperity. To understand the co-existence with nature and to be aware of potential natural and manmade disasters.</p>
PCC-EC705.3	High Speed Electronics	2019-20	<p>Understand the properties and fundamental limitations of high speed electronic systems in terms of the underlying physical principles. Quantitatively model and analyse high speed electronic systems and interconnects in both the digital and analogue domain. Simulate the behaviour of high speed electronic systems using software tools. Conduct basic test procedures for high speed signals and systems</p>


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OEC-EC706.2	Wind and Solar Energy Systems	2019-20	students are able to acquire different domains. Maintain constant speed wind power plants. Maintain variable speed wind power plants..Maintain concentrated solar power (CSP) and solar photovoltaic (PV) wind power plants.Check the grid compatibility of the power from wind and solar power plants.Resolve the grid integration issues of wind and solar power plants
MTCSP 3.2.2	Network Security and Cryptography	2019-20	Understand various Cryptographic Techniques Apply various public key cryptography techniques Understand the various Security Applications
MTES 3.1.2	Neural Networks & Fuzzy Logics	2019-20	Analyze the various feedback networks.Understand the concept of fuzziness involved in various systems and fuzzy set theory.Comprehend the fuzzy logic control and adaptive fuzzy logic and to design the fuzzy control using genetic algorithm.Analyze the application of fuzzy logic control to real time systems.
MC ME 311	Environmental Science	2019-20	Teaches about the environment and ecology .
PCC ME 411	Internal Combustion Engine Lab	2019-20	To develop an intuitive understanding of thermodynamics by emphasizing the physics and physical arguments.
PCC ME 505.1	Computer Aided Machine Drawing	2019-20	Tells about drawing which can be drawn with the help of computer
PCC ME 505.2	Composite Materials Technology	2019-20	Tells about the materials which can be manufactured with the help of composites.
OEC -ME 506.1	Entrepreneurship	2019-20	Tells about various start ups which can make a person an entrepreneur.
OEC-ME 506.2	Professional Ethics & Disaster Management	2019-20	Teaches about the ethics and disaster management
PCC ME 509	Measurement and Metrology Lab	2019-20	teaches about the
PCC ME 510	Computer Aided Machine Drawing Lab	2019-20	Tells about drawing which can be drawn with the help of computer
PCC ME 610	Mini Project	2019-20	Teaches about the projects of students the way of completion
PEC ME 704.2	Manufacturing Automation	2019-20	It provides The knowledge of automation in manufacturing
PEC ME 705.2	Project management	2019-20	It tells about projects and their management
OEC ME 706.1	Operation Techniques	2019-20	Apply the knowledge of Optimization Techniques
OEC ME 706.2	Total Quality Management	2019-20	It gives knowledge about quality management
MCATC-401	Theory of Computation	2019-20	1. Students get the knowledge about the types of Grammar & Language constructs 2. Get knowledge about FSM, PDA, Turing Machine. 3. Get familiar with pumping Lemma.
MCNAN101	 ADVANCED NUTRITION I 	2019-20	The course content provides skills related to the determination of nutritional needs of the individuals and groups across the lifespan. This course also helps the students to determine the role of homeostasis of various metabolic processes like energy metabolism, water balance, electrolyte balance etc. in maintaining nutritional status and health of the individual and groups.

MCNAN102	ADVANCED NUTRITION II	2019-20	This course will help to build-up concepts regarding assessing nutritional requirement and recommended allowances of the nutrients for individuals and groups. So students will get the skill to determine how nutrients effect biochemical processes and signal transduction pathways, and how this can lead to development of <u>nutritionally related diseases</u> .
MCNGB103	GENERAL BIOCHEMISTRY	2019-20	Skills related to analyzing the sample qualitatively for different nutrients like carbohydrates, protein and nucleic acids. Students will also able to estimate different components in urine and blood and their diagnostic significance for various health conditions.
MCNPR106P	GENERAL BIOCHEMISTRY PRACTICAL	2019-20	After completion of this course, students will able to understand the good experimental and quantitative skills encompassing preparation of laboratory reagents, conducting experiments, satisfactory analyses of data and interpretation of results.
MCNPR107P	HUMAN ANATOMY AND PHYSIOLOGY I PRACTICAL	2019-20	This course will enables the students to understand perform, analyse and report on experiments and observations in physiology and appropriate utilization of laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.
MCNHN201	ADVANCES IN HUMAN NUTRITION	2019-20	This course enables students to adopt skills related to meal planning according to the requirement of different age groups which ensures their future as a Meal Planner for Family.
MCNFS202	FOOD SCIENCE AND FOOD PROCESSING	2019-20	This Course will provide skills related to processing of different food commodities including cereals, pulses, nuts, oilseeds, vegetables and fruits, Milk and Milk Products, Meat Fish Poultry and Egg. This course will also facilitates skills regarding identification of Food Safety Hazzaeds and their control.
MCNRM203	RESEARCH METHODOLOGY & BIOSTATISTICS	2019-20	Students will develop the skill of independent thinking for critically analyzing and writing research reports. Students will also able to assess the appropriateness of different kinds of research designs and methodology, for instance in terms of their appropriateness, transparency and quality. The course content provides skills related to the design and analysis of clinical trials, epidemiological data, interpreting, communicating the results of statistical analysis
MCNPR205P	FOOD ANALYSIS PRACTICAL	2019-20	The student will have a in hand experience about the principles, methods, and techniques of qualitative and quantitative physical, chemical and biochemical analyses of foods.
MCNPR206P	FOOD SCIENCE AND FOOD PROCESSING PRACTICAL	2019-20	After completion of this course, students will able to determine physical, chemical and nutritional analysis of commonly consumed raw and processed foods with or without additives.
MCNPR207P	HUMAN ANATOMY AND PHYSIOLOGY II PRACTICAL	2019-20	Through this course, students will able to develop vivid understanding of clinical examination of urine like physical examination, examination for abnormal constituent and Analysis of Saliva.

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MCNCN301	COMMUNITY HEALTH AND NUTRITION	2019-20	This course will help to build skills needed to deliver nutrition services and methods of accessing community nutrition resources and information. Students will also be able to use current information technologies when communicating with individuals, groups and the public.
MCNIM302	INSTITUTIONAL FOOD MANAGEMENT	2019-20	This is basically entrepreneurship skill development course which enables students to set their own food service establishment. This course will develop different skills which will be required while establishing food service management like manage the human resources within a food services organization or department, apply food services technology and operate industry equipment and adhere to regulations, standards and best practices of food service industry
MCNTN303	DIETETICS AND THERAPEUTIC NUTRITION	2019-20	This course will enable the students to assess the nutritional problems of community and effectively manage the nutritional needs of the community and utilize effective and appropriate communication skills in providing information, advice and professional opinion to individuals, groups and communities.
MCNFM304	FOOD MICROBIOLOGY AND FOOD SAFETY	2019-20	After completion of the course, students have the skills of performing different microbial techniques, detection of various bacterial growth on food products and different methods of food preservation. This course will facilitate skills regarding identification of Food Safety Hazards and their control, identification and prevention of potential source of contamination, application of food quality system and preparation of Food Safety Plan.
MCNPR305P	COMMUNITY HEALTH AND NUTRITION PRACTICAL	2019-20	This course will enable students to plan and prepare low cost nutritious dishes / menus for vulnerable groups and develop skills in preparation of communication aids and planning nutrition education program for the community
MCNPR306P	DIETETICS AND THERAPEUTIC NUTRITION PRACTICAL	2019-20	After this course students have the ability to plan and prepare suitable therapeutic diets based on patient needs for various diseases/disorders, provide dietary counseling for prevention / treatment of various diseases / disorders and prepare special therapeutic / health foods.
MCNPR307P	FOOD MICROBIOLOGY AND FOOD SAFETY PRACTICAL	2019-20	Students will be able to utilize the techniques for identification of different pathogenic microbes and understand criteria for microbiological safety in various food operations to avoid public health hazards due to food contamination
MCNHT101D	HOSPITAL TRAINING	2019-20	After completion of this Training Program, students will be prepared as competent and effective dietetic practitioners for entry-level positions in general dietetics. Students also able to emphasize professional practice that facilitates modification of personal food choices, food access and food systems
MCNDW102D	DESSERTATION	2019-20	After completion of dissertation work, students will be able to perform research studies in the different field of nutrition as well as students will develop skills of good academic writing, analytical and cognitive abilities.

BMLPR508P	Module 4 (Computer Fundamentals)	2019-20	This course provides knowledge to perform word processing, work, excell, powerpoint. Students also become able to use internet, LAN etc.
BPTBE603	Bioengineering	2019-20	This enables the student to have a comprehensive knowledge about prosthetic, orthotics & other assistive devices being used in rehabilitation & most importantly when & whom to advice the appropriate device.
BPTMG604	Physiotherapy in Medicine & Geriatric Conditions	2019-20	The student learns to treat different medical ailments that include In-Patient, out-patient & care of geriatric population
BPTSF605	Physiotherapy In Sports Fitness And Allied Therapeutics	2019-20	The student learns to treat athletes on-field & off-field. This opens a huge prospect of Sports Physiotherapy which is of much requirement & need in the field of Sports
MPT OS 401	Rehabilitation in Physiotherapy Conditions (Orthopedics & Sports) –II	2019-20	The student learns to treat different musculoskeletal conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient. The student also learns to treat athletes on-field & off-field. This opens a huge prospect of Sports Physiotherapy which is of much requirement & need in the field of Sports
MPT OM 401	Rehabilitation in Physiotherapy Conditions (Orthopedics & Manual Therapy) –II	2019-20	The student learns to treat different musculoskeletal conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient. The student also learns to have comprehensive skills in Manual therapy & efficient treatment of patients
MPT NP 401	Rehabilitation in Physiotherapy Conditions (Neurology & Psychosomatic Disorders) –II	2019-20	The student learns to treat different neurological conditions, injuries & operative rehabilitation that also include physiotherapy for In-Patient & out-patient
BCHIP-105	Inorganic I: Atomic Structure & Chemical Bonding-II Lab	2019-20	Training students in techniques of blood and urine estimation which enable them to work as medical diagnostic and research officer in medical laboratories.
BCHPC-102	Physical I: States of Matter & Ionic Equilibrium	2019-20	Students gained the good knowledge of practical to prepare standard solutions, and titration which are widely used in the food industry and chemical industries.
BCHPP-106	Physical I: States of Matter & Ionic Equilibrium Lab	2019-20	Acquired the knowledge in theory and practicals to determine acidity, Basicity and Pka value, pH and buffer solution and role of indicators, applied in academics and industries.
BCHOC-103	Object Oriented Programming in C++	2019-20	students got the knowledge of buffer solutions and preparation and conductometric titration share this experience in drug analysis in Industry and academic.
BCHCP-107	Object Oriented Programming in C++ Lab	2019-20	Students acquire knowledge and apply in website development, software development, and developing of mobile apps.
BCHES-104	Environmental Studies	2019-20	students are eligible and giving preference for getting selection in pharmaceutical industries, IT industries and statistical departments.


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BCHOC-201	Organic I: Basics & Hydrocarbons	2019-20	The course will prepare the students toward various national level entrance exams of general awareness such as Indian civil services and Indian forest services etc. (such as laws for environmental protection, conservation of biodiversity)
BCHOP-205	Organic I: Basics & Hydrocarbons LAB	2019-20	Students understands the concepts of organic chemistry, reaction mechanism. The knowledge of organic reactions and capable of organic mechanism to predict the product and apply this knowledge in academic and industries.
BCHPC-202	Physical II: Chemical Thermodynamics & its Applications	2019-20	Students learn the technique chromatography use to purification the organic mixture and determination of melting point and boiling point and beneficial in academic and industries.
BCHPP-206	Physical II: Chemical Thermodynamics & its Applications LAB	2019-20	Students can involved in the process already there and they can be performed the duties with great care and cautions they can understand very quickly if any thing going wrong and even should be able to take corrective measures to minimize the loss.
BCHDA-203	Data Structures and File Processing	2019-20	The thermodynamic analysis of heat of reaction provide opportunity in basic and applied research and also work in power plants sectors.
BCHSPR-207	Data Structures and File Processing LAB	2019-20	Concept of data structures, like stack, queue, linklist, trees, graphs in this student get training in how data store/update/retrieve and are helpful in placement drives of the IT industries, software development companies.
BCHEC-204	English communication	2019-20	Skill development in use of data structures, like stack, queue, linklist, trees, graphs in this student get training in how data store/update/retrieve and are helpful in placement drives of the IT industries, software development companies.
BCHIC-301	Inorganic II: s- and p-Block Elements	2019-20	Training students to speak and write with propriety and effectiveness and argue in a positive manner for group discussion and personal interview
BCHIP-306	Inorganic II: s- and p-Block Elements LAB	2019-20	Students acquired the knowledge of non transition elements (p block element) used knowledge in semiconductors and fertilizers industries.
BCHOC-302	Organic II: Oxygen Containing Functional Groups	2019-20	Students acquired the knowledge of non transition elements (p block element) theory and practical will use this knowledge in semiconductors and fertilizers industries.
BCHOP-307	Organic II: Oxygen Containing Functional Groups LAB	2019-20	Students acquire knowledge of functional groups transformation, reaction mechanism, . Good command on organic reaction and mechanism and capable of writing of writing the mechanism and predict the products. In their professional life either industries, higher education or research. They can perform the duties with great care and caution they can understand very quickly.
BCHPC-303	Physical III: Phase Equilibria & Chemical Kinetics	2019-20	Students gained the knowledge of organic chemistry, synthesis Good command on mechanism and organic reaction and also predict the products. Acquired the ability to synthesis and characterize compounds using laboratory instrument technique or in industries.
BCHPP-308	Physical III: Phase Equilibria & Chemical Kinetics LAB	2019-20	Students gain the knowledge of kinetic and phase equilibria. And applied their knowledge in ores and alloys industries.

BCHDS-305	Introduction to Database Systems	2019-20	Students gain the knowledge of kinetic and phase equilibria and apply their knowledge in ores and alloys industries.
BCHDP-309	Introduction to Database Systems LAB	2019-20	Training in relational data model, database systems. Formulation using SQL, solutions to a broad range of query and data update problems..
BCHCI-304	Chemoinformatics	2019-20	Skill enhancement in developing and handle large databases and applicable in various IT sector and pharma industries.
BCHIP-304	Intellectual Property Rights	2019-20	CADD (Computer aided drug designing) makes student employable in Pharmaceutical Industries, IT companies related to Drug development like Bioviva and Schrodinger
BCHAB-304	Analytical Clinical Biochemistry	2019-20	Training students about the concept of IPR like patent, copyright, trademark will make them innovators in the field of agriculture and other technologies
BCHIC-401	Inorganic III: Coordination Chemistry	2019-20	Train the students to identify various molecules for particular pathological condition and their estimation. Students are able to analysis of different pathological samples of blood and urine. Make them employable in assistant in medical laboratory and research institutes.
BCHIP-406	Inorganic III: Coordination Chemistry LAB	2019-20	To provide the knowledge of synthesis of coordination compounds. In industries, they can be involved in process already there and perform the duties with great care and caution.
BCHOC-402	Organic III: Heterocyclic Chemistry	2019-20	Students learnt the formation of transition metal complexes and used his knowledge in medicinal and pharmaceutical industries.
BCHOP-407	Organic III: Heterocyclic Chemistry LAB	2019-20	Students gain the knowledge of synthesis of heterocyclic compounds and good knowledge of reaction mechanism and predict the products. In pharmaceutical industries, got the position and will used his knowledge and perform his duties care and cautions.
BCHPC-403	Physical IV: Electrochemistry	2019-20	Student trained to Systematic Qualitative Organic Analysis of Organic Compounds, monofunctional group (-COOH, phenolic, aldehyde, ketonic, amide, nitro & amines) and preparation of one derivative, provide employability in researches, in synthesis of organic compounds and their detection in industries as chemist.
BCHPP-408	Physical IV: Electrochemistry LAB	2019-20	Students learnt the functions of electrical batteries and knowledge of corrosion protection and used knowledge in manufacturing cells and batteries and also gain knowledge and apply in corrosion protection.
BCHCN-405	Java Programming	2019-20	Students learn the functions of electrical batteries and knowledge of corrosion protection and used knowledge in manufacturing cells and batteries and also gain knowledge and apply in corrosion protection.

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BCHNP-409	Java Programming LAB	2019-20	Java is the main development language for Android. This alone gives Java a huge advantage in commercial terms – and gives you a chance to work at the cutting edge of mobile development. First-time jobseekers might not be ready to work on an investment bank's infrastructure written in Java, but they ought to be ready to tinker with apps. It's a wonderful leg-up into the industry.
BCHPH-404	Pharmaceutical chemistry	2019-20	Training in programming language java help students to ready to work in software industries. and gives you a chance to work at the cutting edge of mobile development. It's a wonderful leg-up into the industry.
BCHCC404	Chemistry of cosmetics and perfumes	2019-20	Students have good knowledge of synthetic organic chemistry and reaction mechanism and screening of biological activity of synthesized compounds. In pharmaceutical industries, they absorbed and involved and performed their duties with care.
BCHPT-404	Pesticides chemistry	2019-20	train the students for preparation and chemistry involved with the production different cosmetic. Students to take up entry level jobs at cosmetics industry or venture into commercial production of cosmetics as an entrepreneur
BCHF-404	Fuel Chemistry	2019-20	Students will be able to examine different types of pesticides, their activity/toxicity provide job opportunity in chemical and pesticide industries to synthesize and examine quality of natural products.
BCHOC-501	Organic IV: Biomolecules	2019-20	Students are trained to determine industrially significant physical parameters for fuels and lubricants make employable in different coal and petroleum industries
BCHOP-505	Organic IV: Biomolecules LAB	2019-20	Gain the knowledge of Amino acids, peptides, proteins and pharmaceutical compounds chemistry and also understand good laboratory practices and scope in biotech industries and pharmaceutical industries and also apply in Genome and protein sequence.
BCHPP-502	Physical V: Quantum Chemistry & Spectroscopy	2019-20	Gain the knowledge of Amino acids, peptides, proteins and pharmaceutical compounds chemistry and also understand good laboratory practices and scope in biotech industries and pharmaceutical industries and also apply in Genome and protein sequence.
BCHPP-506	Physical V: Quantum Chemistry & Spectroscopy LAB	2019-20	In the synthetic organic chemistry, the synthesized compounds have been confirmed by spectral studies and students have good command on spectroscopy used for spectral study structural elucidation.
BCHAC-504	Analytical Methods in Chemistry	2019-20	In the synthetic organic chemistry, and inorganic chemistry (Transition metal complexes formation) and the synthesized compounds have been confirmed by spectral studies and students have good command on spectroscopy used for spectral study structural elucidation. Also handling the instruments (UV-vis, FTIR, NMR, Mass). Students will get the position in instrumental section in organization.
BCHAP-507	Analytical Methods in Chemistry LAB	2019-20	Students are well verse in Analytical chemistry in theory as well as practical and learn the handling instruments. This knowledge will be advantageous in industries.

BCHIE-503	Industrial chemicals and environment	2019-20	Students well versed with the instruments modelling such UV-vis, FTIR, GC & GC-MS that will be beneficial in industries.
BCHCP-506	Industrial chemicals and environment LAB	2019-20	Skill development in synthesis of industrial important chemicals, metallurgy process, Production, storage and handling of industrially important gases open job aspects for students in chemical industries
BCHII-503	Inorganic Materials of Industrial Importance	2019-20	Training in synthesis of industrial important chemicals and testing the presence of harmful chemicals and oxygen demand in effluents discharged from the industries will fetch a job in chemical production industries and environmental monitoring
BCHMP-506	Inorganic Materials of Industrial Importance Lab	2019-20	training the students in different techniques of manufacturing glass, ceramics, cement employed in Silicate Industries. Students are familiar with fertilizers and their Manufacturing. Students are able to preliminary treatment of surface, classification of surface coatings, Working of batteries, Manufacture of Steel, which make them employable in industries in which part of vehicle manufactured.
BCHPY-504	Polymer chemistry	2019-20	Training students to determination of estimation of different fertilizers and analysis of cement property which make employable in cement and fertilizer industries
BCHPP-507	Polymer chemistry Lab	2019-20	training in crystallization, molecular weight determination, glass transition temperature determination give job opportunity in the motor-manufacturing and related supply- and service-industries such as the paint, tyre and plastic-component industries.
BCHIC-601	Inorganic IV: Organometallic Chemistry	2019-20	Training the students in synthesis and analysis of polymers by different instrumental techniques provide job opportunity as chemist in polymer industries.
BCHIP-605	Inorganic IV: Organometallic Chemistry LAB	2019-20	Training synthesis of organometallic compounds for industrial importance as catalyst, which serve to alter the rate of chemical reaction and certain complex formations and play a key role in production of polyethylene and polypropylene in industries.
BCHOC-602	Organic V: Spectroscopy	2019-20	Training in synthesis of organometallic compounds used in industry as catalyst and play a key role in production of polyethylene and polypropylene in industries.
BCHOP-606	Organic V: Spectroscopy LAB	2019-20	Skill development in synthesis of organic dyes and Polymers important for jobs in Chemical industries
BCHMD-603	Molecular Modelling & Drug Design	2019-20	Skill development in spectroscopic techniques used for identification, estimation and detection of organic compounds in industries and laboratory will make students employable in different sectors.
BCHMP-607	Molecular Modelling & Drug Design LAB	2019-20	Skill development in molecular modelling, Molecular docking, Molecular dynamic Simulation and drug design with chemistry finds job scope in various KPOs
BCHGC-603	Green Chemistry	2019-20	Skill development in molecular modelling, Molecular docking, Molecular dynamic Simulation and drug design with chemistry finds job scope in various KPOs

BCHSP-607	Green Chemistry Lab	2019-20	train student in green Chemistry synthesis and Designing a Chemical synthesis and then get knowledge in different chemical reaction involving in synthesis of green chemistry products make them employable in pharmaceutical and different chemical industries as chemist.
BCHRM-604	Research Methodology for Chemistry	2019-20	Students are train in Preparation of bio-products, functioning of Biocatalysis in heavy organic synthesis of green chemistry provide job areas in Innovative medicines, Fuels technology chemist.
BBTPM401	Phylogenetic and Molecular Evolution	2019-20	students should be able develop skills into construct a rational research proposal to generate fruitful output in terms of publications, literature review and patents in the field of chemical sciences.
BBTSB401	Structural Biology	2019-20	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BBTFD503	Food and Dairy Microbiology	2019-20	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BBTBP503	Biopharmaceutical	2019-20	Training the students in various dairy product synthesis like ice creams, yogurt, skimmed milk, cheese, cream will pave the way for various jobs in Dairy industry. Also, working knowledge of various fermentation process like alcoholic beverages, pickling, bread baking, vinegar production open the door for students in various food processing industries.
BBTPH603	Public Health and hygiene	2019-20	Skill enhancement in drug manufacturing process and phases of clinical trials of pharmaceutical products makes the individual employable in Pharmaceutical companies
BBTBN603	Basic nutrition	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BBIBI401	Biophysics and Instrumentations	2019-20	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker
BBIPH603	Public health and hygiene	2019-20	training in principle, components, optical path and application of different types of spectroscopic, microscopic, radioactivity measuring instruments centrifugation, electrophoresis, conductometry, potentiometry and chromatographic techniques which is required in research, industries and medical field.
BBIBN603	Basic Nutrition	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BMBPM401	Phylogenetics and Molecular Evolution	2019-20	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker
BMBSB401	Structural Bioinformatics	2019-20	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries

BMBBPM503	Bioprocess Engineering	2019-20	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BMBBP503	Biopharmaceutical	2019-20	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BMBH603	Public Health and hygiene	2019-20	Skill enhancement in drug manufacturing process and phases of clinical trials of pharmaceutical products makes the individual employable in Pharmaceutical companies
BMBBN603	Basic nutrition	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BBCBE-604	Bioprocess Engineering	2019-20	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker
BBCSB-401	Structural Biology	2019-20	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BBCPM-401	Phylogenetics and Molecular Evolution	2019-20	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BBCNB-603	Industry relations and Entrepreneurship	2019-20	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BBCHH-603	Public Health and Hygiene	2019-20	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BCHIC101	Inorganic I: Atomic Structure & Chemical Bonding-I	2019-20	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BBTCS504	Cell Signalling	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BBTCB505	Cancer Biology	2019-20	training in principle, components, optical path and application of different types of spectroscopic, microscopic, radioactivity measuring instruments centrifugation, electrophoresis, conductometry, potentiometry and chromatographic techniques which are required in research, industries and medical field.
BBTED604	Entrepreneurship and skill development	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BBTIR604	Intellectual Property Rights	2019-20	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker

3RIPE401	Protein Engineering	2019-20	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BBIMI503	Medical Informatics	2019-20	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BBINN503	Neural Networks	2019-20	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BBICY504	Cancer Biology	2019-20	Skill enhancement in drug manufacturing process and phases of clinical trials of pharmaceutical products makes the individual employable in Pharmaceutical companies
BBICS504	Cell Signaling	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BBIED604	Entrepreneurship and skill development	2019-20	Training in causes of malnutritions and relation of nutrition to various diseases will make the students employable as qualified health worker
BBIR604	Intellectual Property Rights	2019-20	Downstream processing, broth processing, effluent treatment, aerobic and anaerobic slug treatment process, fermentation economics useful in biotech based production industries.
BMBCB504	Cancer Biology	2019-20	Skill development in visualizing nucleic acid and protein structures helps in locating target sites and inferring underlying mechanism of action.
BMBCS504	Cell Signalling	2019-20	Training on MEGA and Phylip for Phylogenetic tree construction and analysis makes the student employable for KPO (Knowledge Processing Organizations) and research industries
BMBED604	Entrepreneurship and skill development	2019-20	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BMBIR604	Intellectual Property Rights	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BBCBE503	Bioenergetics	2019-20	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BBCDB503	Developmental Biology	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
BBCIB504	Infection Biology	2019-20	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BBCNB504	Cancer Biology	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker

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BBCN 504	Neurobiochemistry	2019-20	Training the students in steps in planning, Organizing, staffing and directing and controlling as an entrepreneur.
BBCNB604	Neurobiochemistry	2019-20	Training in preventive measures for various Communicable diseases, Non-communicable diseases, nutrition-related diseases, Environment related health Hazards will make the student employable as training health worker
MCHTC-302	Analytical Chemistry	2019-20	Able to understand the important role of analytical principles to carry out an experiment in laboratory.
MCHTI304	Solid State Chemistry	2019-20	Students are able to know about material property and crystal structure study.
MCHTC-401	Green and Sustainable Chemistry	2019-20	They learn about renewable feedstocks for the chemical industry, present and under development. They review the principles of catalysis, photochemistry and other interesting processes from the viewpoint of green chemistry.
MCHTI-402	Bioinorganic and Medicinal Chemistry	2019-20	They learn about metal in biological systems and synthesis of various medical compounds.
MCHTI-404	Nuclear and Radiation Chemistry	2019-20	Students learn about Nuclear reaction, reactor and nuclear energy and their uses and hazards.
MSCPY204	Computational Physics and Programming	2019-20	Trapezoidal rule, Simpson's 1/3 rule, Simpson's 3/8 rule, Runge-Kutta method, Monte-Carlo technique, programming language (C++),
MSCPY 402/A	Materials Synthesis and Characterization	2019-20	synthesis, Structure characterization methods, Sample Preparation techniques, Optical characterization techniques, TEM, SEM, STM, Magnetic characterization techniques
MSCPY 402/B	Atmospheric and Space Physics	2019-20	Ionosphere: Its structure and formation, Magnetosphere: Its Structure, Sun: Physical characteristics of sun, solar rotation, Galaxies, Dark matter, Dark energy, super massive Black holes.
MMAT-302T	Mechanics (NEW Course)	2019-20	Provide the platform to students for research area.
MMAT-404T	Difference Equations and Sampling Theory (New Course)	2019-20	Provide the platform to students for research area.
MBIT-305	Data Mining using Python (Introduced after 2019-20 BOS)	2019-20	This course will be helpful for the students in retrieving the data from different data bases using python language. This is required for handling large scale projects. The Big Data based companies recruit such students in their data analysis works.
BJEV 2 404	Event Management	2019-20	Creating an Event : Conceptualization and Planning (The Nature of Planning, Project Planning, Planning the Setting, Location and Site, The Operations Plan,
BJEV2 501	Media and Society	2019-20	Analysis & features on Education, women empowerment, politics, Parliamentary affairs, impact of media
BJ502	Rural Journalism	2019-20	Traditional and Folk media's role in present times & effect of new media on rural development
BJ 504	Understanding world history	2019-20	International practices on visual coverage and regulation in media exchange
BJ 602	Women and Gender Studies	2019-20	National Health Programs for women, Gender in education (curriculum content, enrolment, dropouts), Girl child in society, child labour, child marriage, motherhood.
BJEV2 603	Cyber Journalism	2019-20	Basic HTML for writers, Audience analysis, Content planning, structure, Visual Design
MJ302	Event Management	2019-20	Creating an Event: Conceptualization and Planning

MJEV2 304	PR and Adverstising	2019-20	Media for Advertising
MJ 402	Educational Communication	2019-20	Instructional Media - concept, selection, use and variety, Learning resources, e-learning
MJEV 2 403	Specialized Reporting and Current Issues	2019-20	Coverage of proceedings, financial transactions including
BHMCT 306E	Environmental Management	2019-20	Knowledge about wines, beer, aperitifs and other alcoholic beverages
HKM- 604	Accommodation Management	2019-20	Flower Arrangements, Window Treatment, Care & Cleaning of Soft Furnishings
HKM- 654	Accommodation Management	2019-20	Maintaining various housekeeping formats & Files Flower arrangement
MIS- 655	Hotel Information System	2019-20	
BHMCT 704	Hospitality Marketing-I	2019-20	Calculation of Yield Management Ratios, Preparation of Sales Letters, Brochures, Promotional Letters
BHMCT 706	Research Methodology	2019-20	Maintaining various housekeeping formats & Files Flower arrangement
BHMCT 804	Hospitality Marketing-II	2019-20	layout and design of Kitchen Stores Management
BHMCT 806	Entrepreneurship Management	2019-20	Developing entrepreneurial skills, Preparation of project report & business plan
BHHA-18E	Environmental Management	2019-20	
BHHA-24E	Strategic Management	2019-20	Interior decoration, stain removal, Care and maintenance of Floor
BHHA-27	Food & Beverage Operation-III	2019-20	Planning & Operations of F&B outlets, Banquets and buffets
BHHA-29	Food & Beverage Control	2019-20	F&B Operational Control, INVENTORY CONTROL , MATERIAL MANAGEMENT
BHHA-30	Hospitality Marketing	2019-20	Marketing of hospitality products & services
MBAFM-302	Textile Science	2019-20	Analyze the social, cultural milieu and technological advancements as communicated by textiles
MBAFM-303	Elective - I Fashion Event Management	2019-20	Management techniques and strategies in the field of communication and brand image of the Fashion industry
MBAFM306	Export Merchandising	2019-20	Developing the expertise for appropriate selection of fabrics, trims and other materials keeping the design/style/market in perspective
MBAPM-403	Elective-II International Fashion	2019-20	Understanding & handling of clients , Getting best out of Global markets , Latest trend in quality control/Getting ready for final countdown
MFMRM-404	Elective-III B. Apparel Export Management	2019-20	Developing an understating towards export procedures & documentation. Imparting knowledge in the area of logistics. Enhancing benefits from exports by understanding foreign trade policy
BCHBA407	Rural Marketing	2019-20	Market survey of khonagoriya to understand the rural demand
BCHBA408	Digital Marketing	2019-20	SEO optimisation activity
BCHBA501	International Financial System	2019-20	Quiz on International Financial Institutions
BCHBA607	Business Infomatics	2019-20	Ethics in Informatics
BCHAB402	International Financial System	2019-20	Quiz on International Financial Institutions
BCHAB408	Strategic Financial Management	2019-20	Newspaper activity to caluculate value through mergers
BCHAB602	Banking Service & Operation	2019-20	Understanding different banking products as an entrepreneur
BCHAB603	Business Infomatics	2019-20	Ethics in Informatics
BHHA-31E	Business Finance	2019-20	Marketing of hospitality products & services
BHHA-31E	Entrepreneurship Management	2019-20	Developing entrepreneurial skills, Preparation of project report & business plan

BHHA-27 P	Food & Beverage Operations II	2019-20	Planning & Organising catering in Functions, Buffet Setup
BHHA 33P	Hotel Information System	2019-20	Planning & Organising catering in Functions, Buffet Setup
BHT 111	Elementary Statistics and Computer Applications	2019-20	Students learn to different Introduction to Computer Applications programme which is used in agriculture. Student also learn about Tests of Significance, experimental designs, MS Excel-Concept of electronic spreadsheet, creating, editing and saving of spreadsheet DOS and Windows, MS Word- Features of word processing Computer application graphical representation, histogram, frequency polygon, frequency curve, bar chart, simple, multiple, component and percentage bar charts, pie chart basic language, visual basic, programming techniques, MS Office, Excel, power point which help of student in agriculture based industry work.
BHT 112	Fundamentals of Soil Science	2019-20	Student learn how to identify soils, classification of soils and soil analysis in lab and establish own soil testing laboratory. Students practically learn about soil reaction- pH, soil acidity and alkalinity soil organic matter soil pollution determination of soil pH and electrical conductivity, cation exchange capacity of soil which help in selection of crop for particular soil type. Student also study of soil map, determination of soil colour, estimation of organic matter content of soil which help of student to modified soil structure for crop sowing.
BHT 113	Economics and Marketing	2019-20	Students are acquainted about fundamentals of economics and marketing , projects , preparation of reports , swot analysis etc. this increases their basic knowledge and understanding. Student learn about marketing process,preparation of project reports, Insurance, SWOT analysis, agricultural products study of SWC, CWC and STC commodities which is help to understand agriculture market and there work.
BHT 116	Fundamentals of Horticulture	2019-20	Students practically learn commercial nursery establishment/ Development of fruit orchard/self-employment kitchen garden which is help to students as a self employer. Students learn about floriculture irrigation methods, preparation and application of growth regulators rejuvenation, market chain management, layout of nutrition garden, preparation of nursery beds weed management, fertility management which is help in increase quality and quantity of production.
BHT 117	Principles of Landscape Architecture	2019-20	Practically cropping knowledge of ornamental crops which help to students employ as a gardner. Providing knowledge in practicaly in field for landscaping which help to employability as landscaper in different government and private industrial sites. Practically developed different types of garden which help to employer as architect landscaper.

BHT 119	Introductory Microbiology	2019-20	Students learn to different microbial experiment related to agricultural, this course involves the study of microorganisms with particular emphasis on the biology of bacteria, viruses, fungi and protozoan parasites which help to prevent to crops by insect-pest. Students Practically learn about organic and inorganic matter, plant growth promoting microorganisms and mushrooms culturing and production techniques Industrially important microorganisms in large scale production and common microbial fermentations.
BHT 120	Communication Skills and Personality Development	2019-20	Students learn to different comprehensive and communication skills and personality development, public speaking, group discussion, report writing, letter writing (different types of letters), spoken english, conversations of everyday life which is help in improve there personality and working ability.
BHT 121	Tropical and Subtropical Fruits	2019-20	The students learn to different production technic of tropical fruits cultivation with important varities. Students learn about use of plastics, manure and fertilizer application including bio-fertilizer in fruit crops, preparation and application of growth regulators, seed production latex extraction in qualitative and maximum fruit production.
BHT 122	Tropical and Subtropical Vegetables	2019-20	The students learn to different commercial vegetable crops nursery establishment, production of tropical and subtropical vegetables in open condition as well as in green house whichis increase self-employment.
BHT 123	Principles of Plant Breeding	2019-20	Students study about disired change in the chracterstics of genotype plant, with the help of this new high yielding varieties can be develop this has lot of scop in seed industry which gives employability.
BHT 124	Soil Fertility and Nutrient Management	2019-20	Students learn to identify nutrient deficiency symptoms and its management and soil testing in lab. Students also learn about soil test crop response and targeted yield analysis of soil for organic matter, available N,P,K and micronutrients gypsum requirement of saline and alkali soils, lime requirement of acid soils, estimation of organic carbon content in soil, determination of boron and chlorine content In soil, biofertilizer and aslo estimation of water soluble P ₂ O ₅ , Ca and S in SSP, lime and gypsum, estimation of Potassium which help to increase crop production.
BHT 125	Water Management in Horticultural Crops	2019-20	Students learn to different systems of water in horticultural crops water budgeting, layout of different irrigation systems, drip, sprinkler, layout of underground pipeline system, layout for different methods of irrigation and irrigation efficiency and water requirements of horticultural crops, irrigation planning and scheduling which is increase quality and quantity of horticulture crops.

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BHT 126	Plant Propagation and Nursery Management	2019-20	Students will learn commercial nursery establishment, development of different type of fruit crop cuttings in commercial scale which increase self-employment. Student study about mist chamber, humidifiers, greenhouses, glasshouses, cold frames, hot beds, poly-houses, phytotrons nursery (tools and implements), use of growth regulators in seed, types and stages of seed germination plant growth regulators for seed germination and vegetative propagation, nutrient and plant protection applications during nursery.
BHT 127	Environmental Studies and Disaster Management	2019-20	Students learn to environmental studies and disaster management also study about In-situ and Ex-situ conservation of biodiversity, value education heat and cold waves, climatic change disaster management-river, forest, grassland, catchment etc. to document components of ecosystem which is help to understand environment and improve crop cultivating techniques and prevent environment.
BHT 128	Growth and Development of Horticultural Crops	2019-20	Students learn to different growth phases and plant growth regulators of horticultural crops plant bio-regulators- auxin, gibberellin, cytokinin, ethylene inhibitors and retardants also study about crop development and dynamics (Case studies of annual/perennial horticultural crops), pruning and training physiological basis of training and pruning-source post-harvest storage hormones and growth retardants, control of flower and fruit drop. Students also known as important physiological disorders and their remedial measures in fruits and vegetables, seed dormancy, seed germination and breaking seed dormancy with chemicals and growth regulators which help to better growth of plant.
BHTNC129	Physical and Health Education	2019-20	Students learn to different physical activities related to education, physical education exercise for good posture, physical fitness exercises athletic events – broad jump, high jump, triple jump, javelin throw, discuss throw, shot put, short and long distance running, training, coaching for major games and indoor games Yoga which help to active and healthy mind and body.
BHTNC130	Information and communication technology*	2019-20	Students wil learn communication skills and personality development Internet applications, web browsing, creation and operation of email account also study about WINDOWS and LINUX Video conferencing, computer fundamentals, hardware and software, Input and output devices which help to students for there project study and also improve there working ability.

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BHT 231	Fundamentals of Plant Pathology	2019-20	Students study the morphology of plant pathogens and principles of plant disease management and also identification and isolation of plant pathogens which help to control different diseases with different methods like Integrated plant disease management, commonly used fungicides, bactericides and nematicides.
BHT 233	Temperate Vegetable Crops	2019-20	Students practically learn commercial vegetable crops, nursery establishment, production of temperate vegetables in open condition as well as in green house which increase self-employment.
BHT 234	Nematode pests of horticultural crops and their Management	2019-20	Students study about the morphology of nematodes and management of diseases caused by them and they become ready as a pathologist.
BHT 235	Diseases of fruit, Plantation, Medicinal and Aromatic Crops	2019-20	Students will learn management of diseases of fruits plantation and aromatic crop which is help to increase production of horticulture crops which help in self employability and as a pathologist.
BHT 236	Fundamentals of Food Technology	2019-20	To familiarize the students about the processing and preservation techniques of pulses, oilseeds, spices, fruits and vegetables, meat, fish, poultry, milk & milk products and emphasize the importance of food safety, food quality, food plant sanitation, food laws and regulations, food engineering and packaging in food industry which is help to in future as a food safety officer and self employer and startups.
BHT 237	Temperate Fruit Crops	2019-20	The students learn to different production technique of temperate fruit cultivation with chilling requirement post-harvest technology and marketing of different temperate vegetable and their nursery management, physiological and nutritional disorders and their corrections and post-harvest handling which is increase production of vegetable and self employability.
BHT 238	Weed Management in Horticultural Crops	2019-20	The students learn to different methods of weed management in horticultural crop and concepts of weed prevention, control and eradication methods of weed control- physical, cultural, chemical and biological methods, integrated weed management, herbicides, economics of weed control practices which is help to control weeds and increase production of crops and self employment as a consultant.
BHT 239	Commercial Floriculture	2019-20	The students will learn about green house production of flower crops and landscaping, quality seed production, floral designers, also known as florists, use flowers, leaves and petals to create arrangements for occasions like weddings, holidays and funerals floral production managers and floral sales representatives.
BHT 240	Elementary Plant Biotechnology	2019-20	In this course student are taught new molecular techniques for multiplication of plants which are more efficient in respect of time and cost in comparison to traditional methods. This has vast scope for employment.
BHT 241	Soil, Water and Plant Analysis	2019-20	Students learn to basic principles of soil testing instruments and analysis of soil, plant and water which help to analysis soil sample.

BHT 242	Spices and Condiments	2019-20	studnets take up self employment in spices, medicinal aromatic plant cultivation, and herbal drug formulation and develop employability in pharmaceutical industry.
BHT 243	Ornamental Horticulture	2019-20	Students will learn green house production of flower crops and landscaping, quality seed production design and establishment different type of garden like shade garden, sunken garden, roof garden, terrace garden, pebble garden, rockery, pools, waterfalls, fountains, bog garden, avenue planting and children garden which is help to develop carrier as landscaper and other realted employability.
BHT 244	Plantation Crops	2019-20	The study of this course students learn different production technic of plantation crops production, export and import industrial importance principles and practices of seed, vegetative and micro- propagation, identification of species and varieties in coffee, harvesting, grading, pulping, fermenting, washing, drying and packing of coffee, seed berry collection, seed extraction, treatment and sowing of coffee, epicotyl, softwood, grafting and top working in cashew, preparation of cuttings and rooting of tea under specialized structure, training, centering, pruning, tipping and harvesting of tea which help to as a self employer and startup based on agri farming.
BHT 245	Breeding of Fruit and Plantation Crops	2019-20	In this course students are taught various breeding techniques of developing and improving the varieties of different fruits and plantation crops which help to carrier as a breeder and employability in seed industry.
BHT 246	Farm Power and Machinery	2019-20	Students learn to different farm machinery and their uses and electric motors primary tillage implements, Junior hoe, weeders, long handle weeders, crop harvesting equipments, grafting, pruning and training tools and equipment primary and secondary tillage implements, plant protection equipment which help to students employer in farm machinery industry.
BHT 247	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	2019-20	study the insects pests of fruits plantation and aromatic crops and their management and insecticide residue problems in fruit, plantation, medicinal and aromatic crops and their maximum residue limits and also learn about symptoms of damage, collection, identification, preservation, assessment of damage and population of important insect – pests affecting fruits, plantation, medicinal and aromatic crops in field and storage which is help to develop empyability in pharma and other industry.
BHT 248	Precision Farming and Protected Cultivation	2019-20	Students learn to different protected conditions for ex. poly house, net house green house etc. and precision farming, green house technology, hydroponics, fertigation economics of protected cultivation which increase self emplobility and increase employability in related industry.


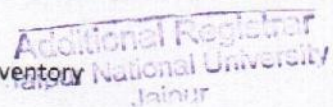
BHT 249	Dry land Horticulture	2019-20	Students learn to different water management system in dry land horticulture and production technology of dry land crops – Mango, Cashew, Jack, Sapota, Tamarind, Wood apple, Jamun, Guava, Carambola, Amla, Sitaphal, Fig, Ber, Karonda, drumstick and techniques and practices in orchards, mulches, integrated nutrient and water management, drip and pitcher irrigation which have employment potential, income generating agro based enterprises (Dairy, Poultry, Sericulture, Piggery, Sheep and Goat farming) crop protection, yield attributes and quality.
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Course Code	Name of the Course	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
BCHEA102	Fundamentals of Accounting	2020-21	Understanding of balance sheet
BCHEA103	Micro Economics	2020-21	Economics Analysis Decisions of Consumer Behaviour
BCHEA101	Computer Applications	2020-21	preperation of video and PPT
BCHEA 605E	Marketing Management	2020-21	Develop a new product out of waste
BCHEA201	Financial Accounting	2020-21	Understanding Share Capital
BCHEA301	Business Communication	2020-21	Business Letter Writing
BCHEA207P	Industrial Tour	2020-21	Applying classroom concept to industry
BCHEA303	Business Statistics	2020-21	Central Tendency through excel
BCHEA 508E	Human Resource Management	2020-21	How to make CV 
BCHEA204	Financial Management	2020-21	Inflow and outflow of inventory 

BCHEA300	Company law	2020-21	Role play of a Company Secretary in drafting the agenda of the meeting
BCHEA 504	Entrepreneurship & Skill Development	2020-21	B-Plan
BCHEE509E	Summer Training Report	2020-21	Report Writing
BCHEA607	Project Management	2020-21	Designing market feasibility report
BCHEA406	Environmental Management	2020-21	Tree plantation and say no to crackers movement
BCHEA609P	Survey Report on Economic Issues	2020-21	Report Writing
BCHEA606	Research Methodology	2020-21	Designing the questionnaire , preparation of a research report
BCHEA 503	Business Budgeting	2020-21	Preparation of the master budget of freshers party
BCHEA 602E	Cost Accounting	2020-21	Cost Sheet Preparation
BCHEA404	Management Accounting	2020-21	Ratio Analysis & Interpretation
BCHEA 501	Quantitative Techniques	2020-21	Solving business problems through LPP model
BCHEA 506E	Event Management	2020-21	Organising an event in the campus, group activity

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BCHEA 604E	Income Tax Law & Practice	2020-21	How to file income tax
BCHEA 603E	Industrial Relations	2020-21	Role Play of Collective Bargaining & Worker Participation
BCHEA 502	International Financial Sy	2020-21	Quiz on International Financial Institutions
MCANS104	Information and Network Security	2020-21	<ol style="list-style-type: none"> 1. Students learn to implement IP security for better and secure networks. 2. Students get the knowledge of system security to make the system secure while working on different networks. 3. Students learn the cryptography concepts for the secure
MCAIT302.2	Internet of Things	2020-21	<p>need for server back end and database development personnel to handle firmware updates, collect metrics and logging errors, and manage advertising.</p> <p>2. IoT/Cloud Software Developer :- Without software, the IoT wouldn't exist. Software developers are integral to the</p>
MCABD305.1	Big Data Analytics	2020-21	<p>engineers in that they turn large volumes of data into insights that organizations can use to make smarter business decisions.</p> <p>2. Data Architect: - Data architects develop strategies for each subject area of the enterprise data model and communicate plans, status, and issues to their company's executives.</p>
MCAHC305.4	Human Computer Interaction	2020-21	<p>connect with customers or clients through interactive design for variety of products that are usable.</p> <p>b. Students can pursue their career in Visual Designer (GUI) , Software Engineer (smooth system functionality and improved user experience), User Experience Researcher (solicit user</p>
MCAMO105	Management Process and Organizational behavior with Environmental Ethics	2020-21	<p>understanding of functional MIS and the different functionalities of these MIS. This would be followed by case study on Knowledge management.</p> <p>2. Student will adopt the job of Training and Development</p>
MCAEC206	E-Commerce and Digital Marketing	2020-21	<p>way of selling products in a relatively low cost.</p> <p>2. Students will be able to learn various techniques of how to build Information processing system and get place in MNC Company.</p> <p>3. After learning E-Commerce and Digital Marketing, the large</p>
MCAAI309P	Artificial Intelligence Lab using Python Lab	2020-21	<p>constraint satisfaction problems and also design intelligent systems.</p> <p>2. Students will attain the capability to represent various logic based techniques pertaining to variety of domains and make use of them to derive inference or planning.</p>
MCARP402P	Research Paper Publication	2020-21	<ol style="list-style-type: none"> 1. Students can be able to identify the overall process of designing a research study from its inception to its report. 2. Knowledge of qualitative, quantitative and mixed methods research, as well as relevant ethical and philosophical

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