ANNEXURE No. V
DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Milk Production Management & Dairy Development	Course No	DBM-101
Course Credit:	3(2+1)	Semester	I (V Dean)

THEORY

Lecture	Topics	Date
1.	Introduction to Animal husbandry	
2.	Scope & importance of Animal Husbundary.	
3.	Distinguish characteristics of Indian and exotic breeds.	
4.	Different systems of breeding	
5.	Selection of dairy animals for breeding.	
6.	General farm practices: Dehorning and Castration, identification etc.	
7.	General farm practices: Grooming & Weighing	
8.	Care of animal at calving and management of neonates.	
9.	Management of lactating and dry cow and Buffalo.	
10.	Milking: Methods, Procedure and practice for quality milk production.	
11.	Machine Milking for clean milk production	
12.	Dairy farm records and their maintenance	
13.	Housing system of Animal: Importance and hygiene and sanitation etc.	
14.	Selection of site for housing of animals	
15.	Common disease: Diagnosis, Prevention and control	
16.	Feed nutrient required by the animal, Sources of feed stuff.	
17.	Sources of feed: Green, Dry and concentrates	
18.	Feed resources for milk production and their nutritive values.	
19.	Nutrients requirements for growth and milk production.	
20.	Digestive system of ruminants.	
21.	Feeding Standard and measurement of feed energy	
22.	Structure and function of mammary System.	
23.	Milk Secretion and milk letdown.	
24.	Male reproductive System	
25.	Female reproductive System	
26.	Estrus to reproductive cycle.	
27.	Ovulation, fertilization, gestation, parturition, pregnancy diagnosis.	
28.	Artificial insemination: Importance and application.	
29.	Embryo transfer and their role in Animal improvement.	
30.	Introduction to bio-techniques in animal production.	
31.	Post independence development in dairying	
32.	Operation flood programme	

ANNEXURE No. V
Department of Dairy Engineering

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Milk Production Management & Dairy Development	Course No	DBM-101
Course Credit:	3(2+1)	Semester	I (V Dean)

PRACTICAL

Lecture No.	Topics	Date
1.	Handling and restraining of dairy animals	
2.	External Body parts and judging of Dairy Cows and Buffalos	
3.	Feeding and Management practices of calves.	
4.	Identification of common feeds and fodder.	
5.	Estimation of balance ration	
6.	Demonstration on preparation of silage	
7.	Preparation of ration for adult animals.	
8.	Milking of Dairy animals.	
9.	Cleaning and sanitation of milking equipments.	
10.	Demonstration on machine milking.	
11.	Identification of reproductive organ.	
12.	Identification of digestive organ.	
13.	Demonstration of semen collection, processing and artificial insemination	
14.	Visit to veterinary clinic	
15.	Visit to dairy Farm	

References:

1) Animal husbandry - GC Banerjee
2) Dairy Farming - Reddy & Ramkrishna
3) Dairy Farm Management -Jagdishprasad
4) Dairy India -Handbook
5) Handbook of Dairy farming

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Communication Skill	Course No	DBM-102
Course Credit:	2(1+1)	Semester	I (V Dean)

THEORY

Lecture No.	Topics	Date
1	*Communication Process:* Scope and importance	
2	Nature and significance of communication process	
3	The magic of effective communication	
4	Building self-esteem and overcoming fears	
5	Meaning, types and models of communication	
6	Verbal and non-verbal communication	
7	Linguistic and non-linguistic barriers to communication	
8	reasons behind communication gap/ miscommunication	
9	Basic Communication Skills: Listening, Speaking, Reading	
10	Basic Communication Skills: Writing Skills; Précis writing Abstracting/Summarizing	
11	Style of technical communication Curriculum vitaé/resumé	
12	writing; Innovative methods to enhance vocabulary, analogy questions.	
13	*Structural and FunctionalGrammar:* Sentence structure, modifiers, connecting words	
14	Case: subjective case, possessive case; objective case; Correct usage of nouns,	
15	Agreement of verb with the subject: tense, mood, voice;	
16	Writing effective sentences; Basic sentence faults	

PRACTICAL

Lecture	Topics	Date
1.	Listening and note taking	
2.	Writing skills	
3.	Reading and comprehension (written and oral) of general and technical articles	
4.	Oral Presentation	
5.	Stage manners: grooming, body language	
6.	Stage manners: voice modulation, speed;	
7.	Indexing, Bibliography and footnotes	
8.	Micro Presentation	
9.	An impromptu speech/presentation	
10.	Feedback on presentation	
11.	Public speaking	
12.	Preparation for Group Discussion	
13.	Improving vocabulary	
14.	vocabulary building exercises	
15.	improve interview technique	
16.	Organization of events	

References:

1) Communication Skill - Malviy and Shukla
2) Communication Skill - Pathak
3) Communication Skill -Ghousia Khatoon and Kamini Dhurva
4) Developing Communication Skill - Krishna and Meera Banerii

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Computer, Application & Software Packages	Course No	DBM-103
Course Credit:	2(1+1)	Semester	I (V Dean)

THEORY

Lecture No.	Title of topic	Date
1.	Introduction to computers and PCs: History. Features, Classification,	
2.	Types & Components of computer, use in organization.	
3.	I/O devices / peripheral devices for computers	
4.	Features of modern operating systems	
5.	Number Systems with conversion	
6.	Computer coding schemes.	
7.	Introduction to Networking, topology, types	
8.	Communication system: use, type, working.	
9.	Internet system : Online surfing making email-ID, composing & mailing concept and	
10.	Word-processing and desktop publishing	
11.	Electronic spreadsheet basics and operations, Worksheet basics and operations.	
12.	Commands Formulae, Function, Graph and macro.	
13.	Database Management System: Concept of DBMS, RDBMS	
14.	Creating, Searching and sorting of Database	
15.	Fundamentals of Graphic packages for preparation of presentation	
16.	Recent strides in computing.	

PRACTICALS

Lecture	Title of topic	Date
1.	Study of use of PC in Lab, Overview of computers, How to operate PC, etc.	
2.	Study of Disk Operating System (DOS)	
3.	Introduction to Window Operating System	
4.	Features & types of Window Operating System	
5.	Study of Word processing: Types, Feature, Getting Started with MS- Word	
6.	Overview of MS- Word: elements, Saving a File	
7.	Working in Word Processing	
8.	Spread sheet	
9.	Solution through Spreadsheet package	
10.	Introduction & Overview DBMS	
11.	Commands of DBMS	
12.	Presentation Graphics software	
13.	Overview of MS Power Point Presentation	
14.	Working with PPT operations, Graph, Table, etc.	
15.	Working with PPT operations, Graph, Table, etc.	
16.	Internet Surfing/Email usage	

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Environmental Studies	Course No	DBM-104
Course Credit:	2(1+1)	Semester	I (V Dean)

THEORY

Sr. No.	Topics covered (Theory)	Date
1	Introduction about ecosystem	
2	Characteristics and kinds of ecosystem	
3	Functions of ecosystem	
4	Introduction about Biochemical cycles	
5	Water cycle, Nitrogen cycle, Carbon cycle	
6	Phosphorus cycle, sulphur cycle	
7	Introduction about natural resources	
8	Renewable and non-renewable resource	
9	Management of natural resources	
10	Air pollution:- sources. Effects, control measures	
11	Water pollution, Solid waste pollution, Noise pollution	
12	Soil pollution, Radioactive pollution	
13	Food processing industry waste and its management,	
14	Recycling of factory effluent,	
15	Management of urban waste water, Recycling of organic waste,	
16	Control of environmental pollution, Composting of biological waste and Sewage.	

PRACTICAL

Sr. No.	Topics covered (Practical)	Date
1	Environment and it's analysis	
2	Determination of water quality parameters	
3	Collection of samples for pollution study.	
4	Determination of P^H from water sample	
5	Determination of acidity from water sample	
6	Determination of of alkalinity from water sample	
7	Estimation of dissolved oxygen	
8	Estimation of BOD	
9	Estimation of COD	
10	Estimation of Nitrate	
11	Estimation of Phosphates	
12	Estimation of pollutant elements	
13	Estimation of heavy/toxic elements	
14	Estimation of Lead	
15	Estimation of Lead	
16	Visit to industrial sewage disposal unit	

References:

1) Ecology and Environment - PD Sharma
2) Environment Science & Engineering - P.Anandan
3) Waste water engineering - Metcalf & Eddy
4) Environmental Studies - RJ Ranjit & Daniels
5) E-Courses NDRI - Jagdish Krishnaswami
6) Environment Management - Viajay Kulkarni
7) Environmental Surveillance – Dilip Kumar

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Economic Analysis	Course No	DBM-205
Course Credit:	2(2+0)	Semester	I (V Dean)

THEORY

Sr. No	Particulars of topics	Date
1	Introduction to Economics, Basic terminology	
2	Scope & importance of economics.	
3	Needs,wants,Utility,Goods	
4	Assumptions of cardinal utility analysis of economics.	
5	Concept of micro economics and its application	
6	Concept of macro economics and its application	
7	Law of diminishing marginal utility.	
8	Law of Demand, its type. Demand schedule and demand function.	
9	Practical applications of law of demand.	
10	Factors affecting/ determinants law of demand.	
11	Elasticity of demand. Its type.	
12	Practical importance of elasticity of demand.	
13	Consumer surplus.	
14	Practical importance of consumer surplus.	
15	Theory of Production.	
16	Concept of firm & industry.	
17	Law of variable proportion,.	
18	Increasing return, constant return, decreasing return	
19	Law of return.	
20	Concept of cost, Fixed cost ,Variable cost and Total cost	
21	Short Tern & Long Term Cost	
22	Economies & diseconomies of scale.	
23	Concept of market. Scope & importance of marketing management.	
24	Monopoly, Duopoly, Oligopoly	
25	Monopolistic competition.	
26	Perfect market & imperfect market.	
27	National income	
28	Different methods of apportioning national income.	
29	GNP,GDP,NNP,Direct income and.	
30	Personal Income ,disposable income	
31	Per Capita income	
32	Inflation	

References:

1) Modern Economic theory -A Koutsoyainnis
2) Micro economic Theory - M.C.Vaish
3) Macroeconomic Analysis - Shapirio
4) Macroeconomic Analysis - Brathwal
5) Microeconomic Theory - H.L.Ahuja
6) Modern Economic Theory - K.K.Devid
7) Agricultural Economics-At a Glance - Sidharth Bhardwaj

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)

Course Title :	Fundamentals of Dairy Extension	Course No	DBM-4065
Course Credit:	2(2+1)	Semester	I (V Dean)

THEORY

r. No.	Topics covered (Theory)	Date
1	History and need of Extension Education	
2	Definition and philosophy of Extension Education	
3	Principles of Extension Education	
4	Approaches of Extension Education	
5	Objectives of extension education.	
6	Present status of dairy and animal husbandry development programme	
7	Pre and post-independence era of Extension Education	
8	Teaching process	
9	Result demonstration and method demonstration	
10	Learning process	
11	Extension Teaching Methods	
12	Classification of teaching methods	
13	Selection of teaching methods	
14	Importance of Audio-Visual-Aids.	
15	Classification of AV aids	
16	Identification of rural leaders,	
17	Characteristics of rural leader	
18	Role and function in rural development	
19	Training of rural leaders	
20	Principle of working with group and their mobilisation.	
21	Need, principle and step of programme planning.	
22	Evaluation of extension programmes.	
23	Diffusion of innovations	
24	categories of farmers	
25	Problems of different stake holders	
26	Conceptual orientation about different orientation	
27	RRA	
28	PRA	
29	IVLP/TAR	
30	ATMA	
31	ATIC	
32	PTD	

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)

Course Title :	Fundamentals of Dairy Extension	Course No	DBM-4065
Course Credit:	2(2+1)	Semester	I (V Dean)

PRACTICALS

Sr. No.	Topics covered	Date
1	Use of audio-visual and other aids in Extension Education.	
2	Preparation of MS Powerpoint Slides	
3	Hands on LCD projector	
4	Handling and Operation of Public Address System	
5	Hands-on training on use of Camera	
6	Preparation and presentation of Radio Script	
7	Preparation of Television /Video Script	
8	Preparation of Leaflet	
9	To acquaint with preparation and presentation of posters	
10	To acquaint with the preparation and presentation of charts	
11	Preparation of News stories and circular letter	
12	Group discussion technique	
13	To acquaint with conducting the method demonstration	
14	To acquaint with conducting the result demonstration	
15	Use of audio-visual aids including animation for dairy stakeholders	
16	Hands on learning of field problems in dairy and animal husbandry	
17	Field Visit	

References:

1) Extension Education - GL Ray
2) An introduction to Extension Education - SV Supe
3) Extension & Communication - OP Dhama

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	ICT in Dairy Industry and introduction to Operations Research	Course No	DBM-507
Course Credit:	4(2+2)	Semester	I (V Dean)

THEORY

Lecture No.	Title	Date
1.	Introduction–Elementary concepts, objectives of operations research,	
2.	Applications of OR in decision-making.	
3.	Modelling in Operation Research.	
4.	Linear Programming: Introduction, mathematical formulation of the problem,	
5.	Graphical solution, Simplex technique for solving simple LP problems.	
6.	Inventory Control – Introduction and general notations,	
7.	Economic lot size models with demand.	
8.	Problem solving with EOQ	
9.	Replacement – Introduction, Replacement of items whose efficiency deteriorates with time.	
10.	Queuing – Introduction and general notions,	
11.	Classification of queues and their problems,	
12.	Introduction to Probability problem & their types	
13.	Probability distribution of queues.	
14.	Various models in the queuing system.	
15.	Sequencing – Statement of the problem, notations and assumptions,	
16.	Types of Sequencing	
17.	Problems with 'n' jobs and two machines.	
18.	Generalization to 'm' machines.	
19.	Transportation model – Definition and application of transportation model,	
20.	Introduction to types of Transportation model	
21.	Formulation of transportation problems and their solutions by NWCM	
22.	Formulation of transportation problems and their solutions by Least Count Method	
23.	Formulation of transportation problems and their solutions by Vogel's Approximation Method	
24.	Introduction to Assignment problems and their types	
25.	Formulation of Assignment problems and their solutions	
26.	MODI method	
27.	Introduction & framework of PERT and CPM	
28.	Introduction & concept activities, events and network	
29.	Formulation of Network diagram	
30.	PERT and activity time estimates,	
31.	Probability of project completion	
32.	Formulation and solution of Critical path method	

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	ICT in Dairy Industry and introduction to Operations Research	Course No	DBM-507
Course Credit:	4(2+2)	Semester	I (V Dean)

PRACTICALS

Practical No.	Title	Date
1 & 2	Formulation of Linear Programming by simplex technique	
3 & 4	Formulation of Linear Programming by graphical method	
5 & 6	Inventory Control problems	
7	Replacement model problems	
8	Formulation of Assignment Problems by Hungarian Method	
9	Formulation of transportation problems	
10	Problems and their solutions by queuing theory	
11	Problems and their solutions by sequencing problem	
12	Problems and their solutions by Replacement model problems	
13	Introduction & framework of PERT and CPM	
14	Scheduling a project with PERT/CPM	
15 & 16	Formulation and solution of Critical path method	

REFERENCES

1. Churchman, C.W., Ackoff R. L. and Arnoff, E.L. 1957. Introduction to Operations Research. John Wiley and Sons, New York.
2. Goel, B.S. and Mittal, S.K. 1974. Operations Research. Pragati Prakashan, Meerut.
3. Kapoor, V.K. and Kapoor, S. 2001. Operations Research Techniques for Management. Sultan Chand and Sons, New Delhi.
4. Saatty, T.L. 1961. Elements of Queuing Theory. McGraw-Hill, New York.
5. Sasieni, M.A., Yaspan and Friedman, L. 1959. Operations Research: Methods and Problems. John Wiley and Sons, New York.
6. Sharma , S.D. 1999. Operations Research. Kedar Nath Ram Nath & Co., Mereut.
7. Swarup, K., Gupta, P.K. and Mohan, M. 1989. Operations Research. Sultan Chand and Sons, New Delhi.
8. Taha, H.A. 2005. Operations Research: An Introduction. Prentice Hall of India Private Limited, New Delhi.

Wagner, H.M. 1982. Principles of Operations Research, with Applications to Management Decisions. Prentice Hall of India, New Delhi

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Marketing Management and International Trade	Course No	DBM-508
Course Credit:	2(2+0)	Semester	I (V Dean)

THEORY

Lecture	Topics covered	Date
1	Concept of marketing, Functions of marketing	
2	Concept, scope and process of marketing management	
3	Concept and elements of marketing mix	
4	Concept of market structure	
5	Marketing environment: Micro and macro environments	
6	Consumer buying behavior, consumerism	
7	Market research and market information system	
8	Market measurement – present and future demand	
9	Market forecasting, Market segmentation, targeting and positioning	
10	Allocation and marketing resources	
11	Marketing Planning Process	
12	Product mix, product line, product life cycle	
13	New product development process	
14	Product brand, packaging, services decisions	
15	Marketing channel decisions: Retailing	
16	Wholesaling and distribution	
17	Pricing Decisions. Price determination	
18	Pricing policy of milk products in organized and unorganized sectors of dairy industry.	
19	Promotion-mix decisions	
20	Advertising; How advertising works; Deciding advertising objectives,	
21	Media Planning, Personal Selling,	
22	Publicity, Sales	
23	Food and Dairy Products Marketing	
24	Salient features of International Marketing	
25	Composition & direction of Indian exports;	
26	Trends in International Dairy Trade	
27	International marketing environment; Deciding which	
28	Exports- Direct exports, indirect exports, Licensing, Joint	
29	Direct investment & internationalization process,	
30	Deciding marketing Programme; Product, Promotion, Price, Distribution Channels.	
31	Deciding the Market Organization	
32	World Trade Organization (WTO)	

References:

1) Kotler, P. (1988). Marketing Management: Analysis planning Planning and Control

2) Varshney, R.L. and Gupta, S.L. (2005). Marketing Management: Text and ases.Sultan Chand & Sons, New Delhi.

3) SA Sherlekar and R.Krishnamoorthy :Marketing Management

4) http://www.agmarknet.nic.in

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Entrepreneurship Development and Industrial Consultancy	Course No	DBM-809
Course Credit:	2(2+0)	Semester	I (V Dean)

THEORY

Lecture No	Topics covered (Theory)	Date
1	Assessing overall business environment in the Indian economy	
2	Overview of Indian social, political and economic systems and their implications for	
3	Globalisation and the emerging business/ entrepreneurial environment	
4	Concept of entrepreneurship, entrepreneurial and managerial characteristics	
5	managing an enterprise	
6	motivation and entrepreneurship development	
7	importance of planning, monitoring, evaluation and follow up	
8	managing competition, entrepreneurship development programs	
9	SWOT analysis	
10	Generation, incubation and commercialization of ideas and innovations	
11	Government schemes and incentives for promotion of entrepreneurship	
12	Government policy on Small and Medium Enterprises (SMEs)/SSIs	
13	Export and Import	
14	Policies relevant to dairy sector	
15	Venture capital. Contract farming and joint ventures	
16	public-private partnerships	
17	Overview of dairy inputs industry.	
18	Characteristics of Indian dairy processing and export industry	
19	Social Responsibility of Business	
20	Dairy plant management system- milk	
21	Milk processing and products manufacturing	
22	Pricing and marketing of milk and milk products	
23	Survey on milk production potential and marketed surplus of milk for setting up of	
24	Recruitment and training of manpower	
25	Estimation of costs of product manufacture and energy utilization in food processing	
26	Sources of finance for setting up of dairy farms and processing plants/ units	
27	Guidelines for obtaining ISO/HACCP	
28	Assessment of entrepreneurial skills and characteristics for successful	
29	Consumer opinion surveys	
30	Pricing of milk and milk products	
31	Preparation of feasibility reports for setting of dairy farms, composite milk plants	
32	collection centres, chilling units, processing units	

References:

1. Dynamics of entrepreneurial development and Management, Dr. Vasant Desai, Himalayan PublishingEntrepreneurship development, Moharanas and Dash C.R., RBSA Publishing, Jaipure
2. Beyond entrepreneurship, Collins and Lazier W, Prentice Hall, New Jersey, 1992
3. Entrepreneurship, Hisrich Peters Sphephard, Tata McGraw Hill
4. Fundamentals of entrepreneurship, S.K. Mohanty, Prentice Hall of India
5. A Guide to Entrepreneurship, David Oates, Jaico Publishing House, Mumbai, Edn 2009

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Financial Management and Cost Accounting	Course No	DBM-810
Course Credit:	3(2+1)	Semester	I (V Dean)

THEORY

Lecture No	Particulars of topics	Date
1	Introduction to Financial Management: Definition, scope and objectives	
2	Different Systems of Accounting: Financial Accounting, Cost accounting, Management Accounting.	
3	Doubles entry system of Book-Keeping.	
4	Preparation of Accounting Records: Journal, Purchases and Sales Book	
5	Preparation of Final Accounts and adjustments at the end	
6	Preparation of Trial Balance Banking Transactions and Bank reconciliation	
7	Statements of Financial Information	
8	Accounting system: A source of financial statements, Classification of capital and	
9	Balance Sheet, Profit and Loss Account, Statement of changes in the financial position	
10	funds flow statements, cash flow statement, uses of funds flow and cash flow statements in financial decision making	
11	Nature and uses of financial analysis, Liquidity ratios, Leverage ratios, activity ratios, Utility of Ratio analysis ratios, Profitability activity	
12	Cost Volume – Profit analysis and operating leverage, Break-even analysis, Profit analysis and operating analysis, Utility of CVP analysis.	
13	Capital Structure: C.S Planning, risk return trade off, financial leverage	
14	Management of cost of capital, cost of debt, debentures, preference share capital,	
15	equity share capital & retained earnings, overall cost of capital	
16	Time value of money, Net present value, Investment evaluation	
17	NPV method, Internal rate of return method, Profitability index method, Payback period, Accounting rate of return method.	
18	Capital budgeting: Complex investment decisions, Investment timing & duration Investment decisions under inflation, Investment decisions under capital rationing	
19	Feasibility Report Valuation. Working capital management-	
20	Depreciation – Concept and method. Introduction, Definition, Objectives, Common	
21	Essentials of sound costing system. Different methods of costing,	
22	elements of cost: Labour- recording of time, idle time, methods of remunerating labour	
23	Premium & Bonus Plans, Materials, Overheads	
24	Direct and Indirect expenses, fixed and variable costs	
25	Various methods of apportioning indirect expenses	
26	Inventory Management: Planning, control and costing	
27	Stores & storekeeping, scope & importance	
28	purchase procedure, types of purchase, location of stores	
29	different methods of pricing materials, store records	
30	Cost Sheets-Different methods, Statement of cost and statement of profit estimates,	
31	Contract or Terminal costing. Process Costing: Process losses and inter process	
32	Ascertainment of cost of milk production, Preparation of Cost Account Information for	

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Financial Management and Cost Accounting	Course No	DBM-810
Course Credit:	3(2+1)	Semester	I (V Dean)

PRACTICAL

Sr. No.	Topics covered	Lecture No.
1	Preparation of Profit and Loss account	02
2	Preparation of Balance Sheet	02
3	Preparation of Cash flow statements	01
4	Preparation of Funds flow statements	01
5	Problems on Ratio analysis	02
6	Problems on Break-Even Analysis	02
7	Problems on Profit analysis	01
8	Problems on Operating Analysis	01
9	Problems on Financial leverage	01
10	Problems on Cost of Capital	01
11	Problems on Investment decisions	01
12	Problems on Capital budgeting	01

References:

1) Bhattacharyya. 2007. Essential of Financial Accounting. S. Chand and Co., New Delhi.
2) Gupta, S.K. and Sharma, R.K.1996. Financial Management: Theory and Practice. Kalyani Puhl., Ludhiana.
3) Khan, M.Y. and Jain, P. K. 2011. Financial Management: Text, Problems and Cases. Tata Mc Graw-Hill Puhl., New Delhi.
4) Maheswari, S.N. 2010. Management Accounting and Financial Contorl. Sultan Chand and Sons, New Delhi.
5) Pandey, I.M. 1989. Financial Management. Vikas Puhl., New Delhi.
6) Pandey, I.M. 2006. A Management Guide for Managing Company Funds and Profits. Tata Mc Graw-Hill Puhl., New Delhi.
7) Reddy, P.N. and Appaniah, H.R. 1997. Essential of Mangement Accounting. Himalaya House, Bombay.
8) Shukla, M.C. and Grewal, T.S. 1979. Advanced Accou nts. S. Chand and Co., New Delhi.

ANNEXURE No. V

DEPARTMENT OF DAIRY BUSINESS MANAGEMENT

TEACHING SCHEDULE (Vth Dean)			
Course Title :	Industrial Statistics	Course No	DBM-811
Course Credit:	2(1+1)	Semester	I (V Dean)

THEORY

Lecture	Title	Date
1	Definition and scope; sources of animal husbandry and dairy statistics.	
2	Measures of central tendency	
3	Measures of dispersion, Moments, skewness and kurtosis	
4	Elementary notions of probability, Laws of addition and multiplication probability	
5	Theoretical frequency distributions:	
6	Binomial, Poisson and Normal distribution and their application	
7	Concepts of sampling methods	
8	Introduction to testing of hypotheses,	
9	Tests of significance-Z,	
10	t, F tests, and their application in the field of dairying.	
11	Analysis of variance- One-Way and two-way classification.	
12	Simple correlation coefficient and its test of significance,	
13	Linear regression, rank correlation.	
14	Basic concepts of statistical quality control,	
15	Control charts for variables and attributes,	
16	Fundamental concepts of acceptance sampling plan.	

PRACTICALS

Practical No.	Title	Date
1	Measures of central tendency,	
2	Measures of dispersion,	
3	Moments, Skewness and Kurtosis	
4	Kurtosis	
5	binomial & Poisson distribution	
6	Fitting of binomial distribution	
7	Fitting of Poisson distribution	
8	Application of ‘Z’ test for one sample problems.	
9	Application of ‘Z’ test for two sample problems.	
10	Application of ‘t’ test for one sample problems.	
11	Application of ‘t’ test for two sample problems.	
12	Application of Chi-square test and F-test.	
13	Correlation	
14	Regression	
15	Rank correlation coefficient.	
16	Control chart for variables& attributes	

References:-

1. Agarwal, B.L. 1991. Basic Statistics. Wiley Eastern Ltd., New Delhi.
2. Amble,V.N. 1975. Statistical Methods in Animal Sciences. Indian Society of Agril. Statistics, New Delhi.
3. Goon, A.M., Gupta, M.K. and Gupta, B. D. 1979. Fundamental of Statistics. Vol. I and II. The World Press Pvt. Ltd., Kolkata.
4. Goulden, C.H. 1959. Methods of Statistical analysis. John Wiley and Sons, New York.
5. Gupta, S.C. 1987. Fundamental of Statistics. Himalaya Publishing House, New Delhi.
6. Gupta, S.C. and Kapoor, V.K. 1990. Fundamentals of Applied Statistics. Sultan Chand & Sons, New Delhi.
7. Gupta, S.P. 2010. Statistical Methods. Sultan Chand and Sons, New Delhi.
8. Handbook on Statistical Quality Control. 1986 . Indian Standards Institute, New Delhi.
9. Snedecor, G.W. and Cochran, W.G. 1967. Statistical Methods. Oxford and IBH Publishing Co., New Delhi.