



Form A-7
(See OA-14 of Part A)

Proforma for the submission of the minutes of the Board of Studies (Meeting held on 12-06-2019 by circulation)

Part A.

- i. Recommendations regarding courses of study in the subject or group of subjects at the undergraduate level:
- ii. Recommendations regarding courses of study in the subject or group of subjects at the postgraduate level:

MBA (Executive) Syllabus (Annexure 1)

MTTM Syllabus (Annexure-II)

Part B

- i. Scheme of Examinations at undergraduate level: Nil
- ii. Panel of examiners for different examinations at the undergraduate level: NONE
- iii. Scheme of Examinations at postgraduate level:
- iv. Panel of examiners for different examinations at post-graduate level: NONE

Part C.

- i. Recommendations regarding preparation and publication of selection of reading material in the subject or group of subjects and the names of the persons recommended for appointment to make the selection: NONE

Part D

- i. Recommendations regarding general academic requirements in the Departments of University or affiliated colleges:
Academic Terms of PGDM Event Management (Annexure-III)
- ii. Recommendations of the Academic Audit Committee and status thereof:

Part E.

- i. Recommendations of the text books for the course of study at undergraduate level:
- ii. Recommendations of the text books for the course of study at post graduate level:
Part of A(ii) above

Part F.

- Important points for consideration/approval of Academic Council
- i. The important points/recommendations of BoS that require consideration/approval of Academic Council (points to be highlighted) as mentioned below
Part A and Part D
 - ii. BOS by circulation. Responses from few members by email.

Date:

Place:

Signature of the Chairman

Part G. The Remarks of the Dean of the Faculty

- i) The minutes are in order
- ii) The minutes may be placed before the Academic Council with remarks if any.
- iii) May be recommended for approval of Academic Council.
- iv) Special remarks if any.

Date:

Place

Signature of the Dean

Programme: M.B.A. (Executive)

Syllabus sent for the following Courses to be presented to BOS by Circulation on 12.06.2019

Code: EMC 007	Course Name	Information Systems and Data Security	2 Credits
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<u>Objective:</u>	<p>To provide understanding of risk and threats faced by Information Systems, and learn how vital, indispensable business data and information can be compromised, lost, corrupted or be prone to unauthorized access.</p> <p>Understand techniques and procedures used to protect your Information Systems and loss of privacy.</p>
<u>Content:</u>	<p>Information Systems, Type of Information Systems, Computer Security –Security Functional Requirements, OSI Security Architecture: Security Attacks, Security Services, Security Mechanism. Computer Security Strategy. (2 hours)</p> <p>Basic Cryptographic Concepts; User Authentication- Token Based and Biometric Authentication, Security issues; Access Control Authentication, Types of Access Control; Authorization, Audit; Access Control and Policies; (6 hours)</p> <p>Intrusion Detection and Prevention Systems: Intruder, Host based versus Network based Intrusion Detection, Honeypots, Firewalls, Intrusion Prevention Systems, Malicious Software and Counter measures. Denial of Service Attacks (DOS, Firewall and Intrusion Detection and Prevention systems: Trusted Computing and Multilevel Security, The Bell LaPadula Model, Trusted Systems, Technology Security Evaluation: Protection Profiles, Security Targets (7 Hours)</p> <p>Managing Security Risks</p> <p>Physical Security, Physical Security Prevention and Mitigation Measures, Threat Assessment, Planning and Plan Implementation; Human Factors, Security Awareness, Training and Education, Organizational Security Policy, Employment Practices and Policies, Email and Internet use policies.; (6 Hours)</p> <p>Security Audits, Security Audit Architecture, Audit Trail, Audit Trail Analysis; IT Security Management and Risk Assessment, Detailed Security Risk Analysis, Security Safeguards, IT Security Plan, Implementation of Controls and implementation follow-up . (9hours)</p>
<u>Pedagogy:</u>	Lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study/ Case Studies etc. or a combination of some of these. Sessions shall be interactive in nature

	to enable peer group learning.
<u>References/Readings</u>	<ol style="list-style-type: none"> 1. William Stalling, Lawrie Brown, Computer Security: Principles and Practice, Pearson Education, 2010, 2. Chuck Easttom, Network Defenses and Countermeasures: Principles and Practices, Pearson Education 2014. 3. Behrouz A Forouzan, Data Communication and Networking, Tata McGraw-Hill Education 2006. 4. Behrouz A Forouzan, Debdeep Mukhopadhyay, Cryptography & Network Security,
<u>Learning Outcomes</u>	<ul style="list-style-type: none"> • To understand how to mitigate security risk and • To diminish loss of reputation and business resulting from such security breach.

Code: EMC008 Course Name Production and Operations Management **2 Credits**

<u>Objective:</u>	To introduce the participants to the function of Production and Operations Management , Quality Management and Productivity Management
<u>Content:</u>	<p>Classification of operations; Process types in manufacturing and Services, Plant layout & Location; Production Planning and Control. (6 hours)</p> <p>Quality Management, Quality Control, Tools for improving Quality, TQM, Quality Assurance, Six Sigma Concept. (4 hours)</p> <p>Productivity Improvement Techniques, Work study and Time Study, Maintenance policies for facilities and equipment, Preventive versus breakdown maintenance, Procedure for maintenance, total productive maintenance (TPM). (10 hours)</p> <p>Introduction to Operations Research and Linear Programming. Transportation and Assignment Models, Network Analysis including PERT and CPM. Decision Theory and Decision Tree Model.(10hours)</p>
<u>Pedagogy:</u>	Lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study/ Case Studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
<u>References/Readings</u>	<ol style="list-style-type: none"> 1. Adam Jr Everetl E. R J – Production and Operations Management (Prentice-Hall, 1992), latest Edition. 2. Krajewski, Lee J. and Larry P. Ritzman; ‘Operations Management: Strategy and Analysis’; Pearson Education India; Latest Edition. 3. Taha H- Operations Research- An Introduction (Prentice-Hall, 7th edition), Latest Edition

	4. Production & Operations Management.- Kanishka Bedi, (Oxford University Press)
<u>Learning Outcomes</u>	1. To take business decision issues in the domain of Production Operations in a Manufacturing and Service setup.

Code: EMC009 Course Name Quantitative Techniques for Decision Making **2 Credits**

<u>Objective:</u>	To provide an overview of management science / operations research with select applications from management systems.
<u>Content:</u>	<p>Quantitative Methods and Probability An analytical scientific approach to Problem solving ; quantitative analysis, Operational research models & modeling process for Managerial Decision Making; Statistics for Management: Measures of Central Tendency & Dispersion; Probability concepts; Bayes Theorem; Probability Distributions; (4 Hours)</p> <p>Collection and Analysis of Data Sampling & Sampling Distributions, Testing of Hypothesis. Correlation, Regression & Multivariate Analysis. (3 Hours)</p> <p>Decision making and Quantitative Techniques Forecasting methods & Time Series Analysis; Stochastic process; Decision Analysis, Decision Trees & Utility Theory; Decision Making under different conditions; (7 Hours)</p> <p>Linear Programming Linear Programming; graphical & simplex methods, Dual simplex, Sensitivity Analysis & Duality; Integer Programming. Transportation, Transshipment & Assignment Models. (7 Hours)</p> <p>Multi-criteria Decision making Tools: Linear Goal Programming; Scoring Models, Fuzzy outranking; (4 Hours)</p> <p>Inventory & Queuing Management Inventory models (static, dynamic, probabilistic & stochastic), Waiting Line / Queing models; Simulation concepts & applications for inventory & Q-ing situations. Network models; PERT & CPM (5 Hours)</p>
<u>Pedagogy:</u>	Lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study/ Case Studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
<u>References/Readings</u>	<p>1. Anderson, Sweeney, Williams, Quantitative Methods for Business, Thomson South Western; Latest Edition</p> <p>2. Hamdy A Taha, Operations Research-An Introduction, Prentice Hall of India; Latest Edition</p>
<u>Learning Outcomes</u>	1.To be able to take managerial decisions using quantitative

	techniques
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Code: EMS003

Course Name Creativity and Innovative Thinking

2 Credits

<u>Objective:</u>	To understand the techniques for improving the flexibility and originality of thinking and will explore approaches used by managers and organizations to create and sustain high levels of innovation.
<u>Content:</u>	<p>Creative thinking as a skill; Valuing diversity in thinking; Thinking preferences; Creativity styles; Creativity in problem solving: Problem Definition, Understanding & Representing; Pattern Breaking; Mind stimulation. (7 Hours)</p> <p>General Strategies Idea-collection processes including Brainstorming/Brain-writing, The SCAMPER methods, Metaphoric thinking, Outrageous thinking; Mapping thoughts; Eight-Dimensional (8D) Approach to Ideation; Using Math and Science: Systematic logical thinking, Using math concepts;</p> <p>(8 Hours)</p> <p>Systematic Inventive Thinking The TRIZ methodology; Levels of inventions; Evolution of technical systems; Ideality and the ideal final result (IFR); Stating contradictions and the contradiction table; Standards features and Inventive principles; Separation principles; Using physical, geometrical, and chemical effects, fields (8 Hours)</p> <p>Decision and Evaluation Focused thinking framework; Six thinking hats, PMI (Plus, Minus, Interesting); Ethical considerations (5 hours)</p> <p>Introduction to intellectual property: Patents, Copyrights ©, Trademarks ®, Trade Secret, Unfair Competition. (2 Hours)</p>
<u>Pedagogy:</u>	Lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study/ Case Studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning.
<u>References/Readings</u>	<ol style="list-style-type: none"> 1. Six Thinking Hats by Edward DeBono , Penguin Books, Latest Edition 3. Creativity, Inc.: Overcoming the Unseen Forces That Stand in the Way of True Inspiration by <u>Ed Catmull</u>, & <u>Amy Wallace</u>, kogan Page, Latest Edition 4. Creativity and Innovation for Managers by Brian Clegg, Routledge; Latest Edition 5. Harvard Business Essentials – “Managing Creativity and Innovation “, Harvard Business Publishing
<u>Learning Outcomes</u>	1. Understand building blocks of innovation

	<ol style="list-style-type: none">2. Be familiar with processes and methods of creative problem solving: observation, definition, representation, ideation, evaluation and decision making3. Enhance their creative and innovative thinking skills
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