



G H RAISONI COLLEGE OF ENGINEERING NAGPUR

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate No.3, Hingna Road, Digdoh Hills, Nagpur. Maharashtra-440016 (India)

Course wise Teaching Plan for Session : Summer 2018

Course : Enterprise Resource Planning

Faculty : psghatode - Pravin S Ghatode

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to ERP OBJECTIVES and OUTCOMES	12/04/2017	MBAL526	A
1	2	Introduction To ERP, What is ERP	12/05/2017	MBAL526	A
1	3	Introduction To ERP, What is ERP	12/06/2017	MBAL526	A
1	4	Reasons for the growth of ERP	12/07/2017	MBAL526	A
1	5	Scenario and Justification of ERP in India	12/11/2017	MBAL526	A
1	1	Introduction to ERP OBJECTIVES and OUTCOMES	04/12/2017	MBAL526	A
1	2	Introduction To ERP, What is ERP	05/12/2017	MBAL526	A
1	3	Introduction To ERP, What is ERP	06/12/2017	MBAL526	A
1	4	Reasons for the growth of ERP	07/12/2017	MBAL526	A
1	5	Scenario and Justification of ERP in India	11/12/2017	MBAL526	A
1	6	Evaluation Of ERP	12/12/2017	MBAL526	A
1	6	Evaluation Of ERP	12/12/2017	MBAL526	A
1	7	Various Modules Of ERP	13/12/2017	MBAL526	A
1	8	Various Modules Of ERP	14/12/2017	MBAL526	A
1	9	Various Modules Of ERP	18/12/2017	MBAL526	A
1	10	Advantage of ERP	19/12/2017	MBAL526	A
1	11	CRM	20/12/2017	MBAL526	A
1	12	CRM	21/12/2017	MBAL526	A
2	13	Modeling	01/01/2018	MBAL526	A
2	14	An overview of Enterprise	02/01/2018	MBAL526	A
2	15	Integrated Management Information	03/01/2018	MBAL526	A
2	16	Business Modeling	04/01/2018	MBAL526	A



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Course wise Teaching Plan for Session : Summer 2018

Course : Enterprise Resource Planning

Faculty : psghatode - Pravin S Ghatode

Unit	Topic Code	Topic Covered	Date	Course	Section
2	17	Business Modeling	08/01/2018	MBAL526	A
2	18	ERP for Small Business	09/01/2018	MBAL526	A
2	19	ERP for make to order companies	10/01/2018	MBAL526	A
2	20	Business Process Mapping for ERP Module Design	15/01/2018	MBAL526	A
3	21	Hardware Environment and its Selection for ERP Implementation	16/01/2018	MBAL526	A
3	22	ERP and Related Technologies	17/01/2018	MBAL526	A
3	23	ERP and Related Technologies	18/01/2018	MBAL526	A
3	24	Business Process Reengineering (BPR)	22/01/2018	MBAL526	A
3	25	BPR	23/01/2018	MBAL526	A
3	26	Management Information System (MIS)	24/01/2018	MBAL526	A
3	27	Executive Information System (EIS)	25/01/2018	MBAL526	A
3	28	Decision support System (DSS)	29/01/2018	MBAL526	A
3	29	Spectrum of Change	30/01/2018	MBAL526	A
3	30	Why to re engineer ?	31/01/2018	MBAL526	A
4	31	Supply Chain Management (SCM)	01/02/2018	MBAL526	A
4	32	Supply Chain Management (SCM)	05/02/2018	MBAL526	A
4	33	Finance	06/02/2018	MBAL526	A
4	34	Plant Maintenance	19/02/2018	MBAL526	A
4	35	Quality Management	20/02/2018	MBAL526	A
4	36	ERP Market : Introduction	21/02/2018	MBAL526	A
4	37	System Software Associates, Inc. (SSA), QAD	22/02/2018	MBAL526	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
4	38	A Comparative Assessment and Selection of ERP Packages and Modules	26/02/2018	MBAL526	A
5	39	ERP implementation lifecycle	27/02/2018	MBAL526	A
5	40	ERP implementation lifecycle	28/02/2018	MBAL526	A
5	41	Issues in implementing ERP packages	05/03/2018	MBAL526	A
5	42	Pre-evaluation screening	06/03/2018	MBAL526	A
5	43	Package evaluation	07/03/2018	MBAL526	A
5	44	Project planning phase	08/03/2018	MBAL526	A
5	45	Gap analysis, reengineering, configuration, implementation	12/03/2018	MBAL526	A
5	46	Team training, testing	13/03/2018	MBAL526	A
5	47	Plant Maintenance and Quality control revision	14/03/2018	MBAL526	A
5	48	Plant Maintenance and Quality control revision	15/03/2018	MBAL526	A
5	49	Plant Maintenance and Quality control revision	19/03/2018	MBAL526	A
5	50	Revision	20/03/2018	MBAL526	A



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Course wise Teaching Plan for Session : Summer 2018

Course : IT Infrastructure

Faculty : psghatode - Pravin S Ghatode

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	INFRASTRUCTURE MANAGEMENT OVERVIEW	04/12/2017	MCAL417	A
1	1	Introduction to Hardware	04/12/2017	MCAL417	A
1	1	INFRASTRUCTURE MANAGEMENT OVERVIEW	04/12/2017	MCAL417	A
1	2	Infrastructure management activities	05/12/2017	MCAL417	A
1	2	Infrastructure management activities	05/12/2017	MCAL417	A
1	3	Evolutions of Systems since 1960s	06/12/2017	MCAL417	A
1	3	Evolutions of Systems since 1960s	06/12/2017	MCAL417	A
1	4	growth of internet	08/12/2017	MCAL417	A
1	4	growth of internet	08/12/2017	MCAL417	A
1	5	current business demands and IT systems issues	11/12/2017	MCAL417	A
1	5	current business demands and IT systems issues	11/12/2017	MCAL417	A
1	6	complexity of today's computing environment	12/12/2017	MCAL417	A
1	6	complexity of today's computing environment	12/12/2017	MCAL417	A
1	7	Total cost of complexity issues	13/12/2017	MCAL417	A
1	7	Total cost of complexity issues	13/12/2017	MCAL417	A
1	8	Value of Systems management for business.	15/12/2017	MCAL417	A
1	8	Value of Systems management for business.	15/12/2017	MCAL417	A
1	9	PREPARING FOR INFRASTRUCTURE MANAGEMENT	18/12/2017	MCAL417	A
2	10	Factors to consider in designing IT organizations and IT infrastructure	19/12/2017	MCAL417	A
2	11	Determining customer's Requirements	20/12/2017	MCAL417	A
2	12	Identifying System Components to manage	22/12/2017	MCAL417	A



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Course : IT Infrastructure

Faculty : psghatode - Pravin S Ghatode

Unit	Topic Code	Topic Covered	Date	Course	Section
2	13	Exist Processes	01/01/2018	MCAL417	A
2	14	Data	02/01/2018	MCAL417	A
2	15	applications	03/01/2018	MCAL417	A
2	16	Tools and their integration	05/01/2018	MCAL417	A
2	17	Patterns for IT systems management	08/01/2018	MCAL417	A
2	18	Introduction to the design process for information systems	09/01/2018	MCAL417	A
2	19	Models	10/01/2018	MCAL417	A
2	20	Information Technology Infrastructure Library (ITIL).	15/01/2018	MCAL417	A
3	21	SERVICE DELIVERY PROCESSES:	16/01/2018	MCAL417	A
3	22	Service-level management	17/01/2018	MCAL417	A
3	23	financial management and costing	19/01/2018	MCAL417	A
3	24	IT services continuity management	22/01/2018	MCAL417	A
3	25	Capacity management	23/01/2018	MCAL417	A
3	26	Availability management.	24/01/2018	MCAL417	A
4	27	SERVICE SUPPORT PROCESSES: Configuration Management	29/01/2018	MCAL417	A
4	28	Service desk	30/01/2018	MCAL417	A
4	29	Incident management	31/01/2018	MCAL417	A
4	30	Problem management	02/02/2018	MCAL417	A
4	31	Change management	05/02/2018	MCAL417	A
4	32	Release management.	06/02/2018	MCAL417	A
5	33	STORAGE AND SECURITY MANAGEMENT: Introduction Security	16/02/2018	MCAL417	A
5	34	Identity management	19/02/2018	MCAL417	A



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Course : IT Infrastructure

Faculty : psghatode - Pravin S Ghatode

Unit	Topic Code	Topic Covered	Date	Course	Section
5	35	Single sign-on	20/02/2018	MCAL417	A
5	36	Access Management	21/02/2018	MCAL417	A
5	37	Basics of network security	23/02/2018	MCAL417	A
5	38	LDAP fundamentals	26/02/2018	MCAL417	A
5	39	Intrusion detection	27/02/2018	MCAL417	A
5	40	firewall	28/02/2018	MCAL417	A
5	41	security information management. Introduction to Storage	05/03/2018	MCAL417	A
5	42	Backup & Restore	06/03/2018	MCAL417	A
5	43	Archive & Retrieve	07/03/2018	MCAL417	A
5	44	Space Management	09/03/2018	MCAL417	A
5	45	SAN & NAS	12/03/2018	MCAL417	A
5	46	Disaster Recovery	13/03/2018	MCAL417	A
5	47	Hierarchical space management	14/03/2018	MCAL417	A
5	48	Database & Application protection	16/03/2018	MCAL417	A
5	49	Baremachine recovery	19/03/2018	MCAL417	A
5	50	Data retention.	20/03/2018	MCAL417	A



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Course wise Teaching Plan for Session : Summer 2018

Course : .NET Framework

Faculty : ngupta - Nilesh Gupta

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Overview of Distributed Computing	04/12/2017	MCAL405	A
1	2	Overview of Distributed Computing	05/12/2017	MCAL405	A
1	3	Origin of .NET Technology	07/12/2017	MCAL405	A
1	4	Origin of .NET Technology	07/12/2017	MCAL405	A
1	5	Understanding .NET platform	11/12/2017	MCAL405	A
1	6	Dos and Don'ts of .NET	12/12/2017	MCAL405	A
1	7	Dos and Don'ts of .NET	14/12/2017	MCAL405	A
1	8	Dos and Don'ts of .NET	14/12/2017	MCAL405	A
1	9	NET types and .NET Namespaces	18/12/2017	MCAL405	A
1	10	NET types and .NET Namespaces	19/12/2017	MCAL405	A
1	11	Multiple language integration	21/12/2017	MCAL405	A
1	12	Multiple language integration	21/12/2017	MCAL405	A
1	13	NET framework Base classes	26/12/2017	MCAL405	A
1	14	NET framework Base classes	28/12/2017	MCAL405	A
1	15	User and program interfaces (user interface, Windows Forms	01/01/2018	MCAL405	A
1	16	Web Forms, Console application)	02/01/2018	MCAL405	A
2	17	C#: Comparison among C++, Java and C#,	04/01/2018	MCAL405	A
2	18	C#: Comparison among C++, Java and C#,	04/01/2018	MCAL405	A
2	19	Benefits of C#, Object-oriented programming using C#.	08/01/2018	MCAL405	A
2	20	Introduction to C# , Creating a C# program	09/01/2018	MCAL405	A
2	21	Types in C#, Classes, Inheritance and Polymorphism,	11/01/2018	MCAL405	A



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Course : .NET Framework

Faculty : ngupta - Nilesh Gupta

Unit	Topic Code	Topic Covered	Date	Course	Section
2	22	Types in C#, Classes, Inheritance and Polymorphism,	11/01/2018	MCAL405	A
2	23	Struct types, Struct declaration, Struct modifier	15/01/2018	MCAL405	A
2	24	Struct Interface, Enums, Enumerator Base type	16/01/2018	MCAL405	A
2	25	Enum modifiers, Enum Members, Enum values and operations	18/01/2018	MCAL405	A
2	26	Concept of Arrays , Passing array as parameters, Arrays and Strings	22/01/2018	MCAL405	A
2	27	Statements and Control	25/01/2018	MCAL405	A
2	28	Properties and Indexers	29/01/2018	MCAL405	A
2	29	String operations, converting objects to string	30/01/2018	MCAL405	A
2	30	String builder, reading and writing text files	01/02/2018	MCAL405	A
2	31	reading and writing binary files	01/02/2018	MCAL405	A
2	32	C# and Windows Applications	05/02/2018	MCAL405	A
2	33	Passing array as parameters, Arrays	06/02/2018	MCAL405	A
3	34	Collection Classes	08/02/2018	MCAL405	A
3	35	Exception Handling; Attributes; I/O in C#;	08/02/2018	MCAL405	A
3	36	Exception and Error Handling in C#; File and folder operations	12/02/2018	MCAL405	A
3	37	Delegates and their usefulness	13/02/2018	MCAL405	A
3	38	, Late Binding, and Attribute-Based Programming	15/02/2018	MCAL405	A
3	39	Event Driven programming; Type Reflection,	15/02/2018	MCAL405	A
3	40	, Late Binding, and Attribute-Based Programming	19/02/2018	MCAL405	A
3	41	Understanding Tiered application development	20/02/2018	MCAL405	A
4	42	ADO .NET: Comparison of ADO and ADO .NET	22/02/2018	MCAL405	A



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Course : .NET Framework

Faculty : ngupta - Nilesh Gupta

Unit	Topic Code	Topic Covered	Date	Course	Section
4	43	Introduction to data access with ADO .NET Components of ADO .NET	22/02/2018	MCAL405	A
4	44	Overview of XML, XML and ADO .NET	26/02/2018	MCAL405	A
4	45	Retrieving and manipulating data using GridView , DetailsView, FormView	01/03/2018	MCAL405	A
4	46	DataList , Calling stored procedures of SQL Server	01/03/2018	MCAL405	A
4	47	data access with ADO .NET	05/03/2018	MCAL405	A
4	48	Comparison of ADO and ADO .NET	06/03/2018	MCAL405	A
4	49	manipulating data using GridView, XML and ADO .NET, Retrieving and manipulating data using GridView, DetailsView	08/03/2018	MCAL405	A
5	50	SQL Server , Introduction to Common Language Runtime	12/03/2018	MCAL405	A
5	51	Requirement of .NET application	13/03/2018	MCAL405	A
5	52	Assembly, Module, Type	15/03/2018	MCAL405	A
5	53	common type systems	15/03/2018	MCAL405	A
5	54	Custom types, Boxing & Unboxing value types	19/03/2018	MCAL405	A
5	55	Metadata (Attributes, Custom Attributes), CLS	20/03/2018	MCAL405	A
5	56	Managed Data (Managed Heap, Garbage collector),	22/03/2018	MCAL405	A
5	57	Understanding .NET Assemblies	22/03/2018	MCAL405	A
5	58	Code Optimization Techniques	26/03/2018	MCAL405	A



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Course wise Teaching Plan for Session : Summer 2018

Course : E - Commerce

Faculty : augahankari - Mr. Aparitosh U.

Gahankari

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction - e-business, benefits of e-commerce, impact of e-commerce on business models	04/12/2017	MCAL406	A
1	2	impact of e-commerce on value chain, three pillars of e-commerce	05/12/2017	MCAL406	A
1	3	e-commerce security	07/12/2017	MCAL406	A
1	4	E-commerce and the role of independent third party:-Consulting practices and accountants independence,	08/12/2017	MCAL406	A
1	5	CPA vision project	11/12/2017	MCAL406	A
1	6	New assurance services identified by the AICPA	12/12/2017	MCAL406	A
1	7	The Elliott Committee and the Cohen Committee	14/12/2017	MCAL406	A
1	8	three waves of e-commerce	15/12/2017	MCAL406	A
1	9	Assurance on e-commerce	18/12/2017	MCAL406	A
2	10	third party assurance of	19/12/2017	MCAL406	A
2	11	web site seal options	21/12/2017	MCAL406	A
2	12	Implications for the accounting profession	22/12/2017	MCAL406	A
2	13	EDI, E-commerce and the Internet: Introduction	02/01/2018	MCAL406	A
2	14	Traditional EDI system	04/01/2018	MCAL406	A
2	15	data transfer and standards	05/01/2018	MCAL406	A
2	16	Financial EDI	08/01/2018	MCAL406	A
2	17	EDI systems and the Internet	09/01/2018	MCAL406	A
2	18	Impact of EDI	15/01/2018	MCAL406	A
3	19	Internet applications on the accounting profession.	16/01/2018	MCAL406	A
3	20	Risk of Insecure Systems: Introduction	18/01/2018	MCAL406	A



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Course wise Teaching Plan for Session : Summer 2018

Course : E - Commerce

Faculty : augahankari - Mr. Aparitosh U.

Gahankari

Unit	Topic Code	Topic Covered	Date	Course	Section
3	21	Overview of risk associated with Internet transaction	19/01/2018	MCAL406	A
3	22	Internet associated risks, Social Engineering	22/01/2018	MCAL406	A
3	23	Risk associated with business transaction	23/01/2018	MCAL406	A
3	24	Risk associated with confidentially maintained Archival	25/01/2018	MCAL406	A
3	25	Master file and reference data	29/01/2018	MCAL406	A
3	26	Risk associated with Viruses and malicious code overflows	30/01/2018	MCAL406	A
3	27	Implications for the accounting profession.	01/02/2018	MCAL406	A
3	28	Risk Management:- Control Weakness vs. Control Risk, Risk Management paradigm	02/02/2018	MCAL406	A
3	29	Disaster Recovery Plans ,	05/02/2018	MCAL406	A
3	30	Implications for the accounting profession – evolution of Internet control , Framework	06/02/2018	MCAL406	A
4	31	The role of Internet control in the risk management.	12/02/2018	MCAL406	A
4	32	Cryptography and Authentication: Messaging Security issues, Encryption Techniques	13/02/2018	MCAL406	A
4	33	Key management, additional authentication methods ,additional non-repudiation techniques,	15/02/2018	MCAL406	A
4	34	Implications for the accounting profession – Confidentiality, message integrity,	16/02/2018	MCAL406	A
4	35	Authentication , non-repudiation , access controls, inter control and risk analysis	19/02/2018	MCAL406	A
4	36	Firewalls:- Firewalls defined, TCP/IP,	20/02/2018	MCAL406	A
4	37	open systems interconnect(OSI), components of Firewall	22/02/2018	MCAL406	A
4	38	typical functionality of Firewalls , Network topology,	23/02/2018	MCAL406	A



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Course : E - Commerce

Faculty : augahankari - Mr. Aparitosh U.

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Unit	Topic Code	Topic Covered	Date	Course	Section
4	39	securing the firewall, factors to consider in firewall design	26/02/2018	MCAL406	A
4	40	In-house solutions vs. Commercial firewall software	27/02/2018	MCAL406	A
4	41	limitations of the security prevention provided by firewalls	05/03/2018	MCAL406	A
4	42	Implications for the accounting profession	06/03/2018	MCAL406	A
4	43	Electronic commerce payment mechanisms:- The SET protocol, Magnetic strip cards, Smart cards,	08/03/2018	MCAL406	A
5	44	Electronic checks, electronic cash, implications for the accounting profession	09/03/2018	MCAL406	A
5	45	Intelligent agents:- definition of intelligent agents & e-commerce,	12/03/2018	MCAL406	A
5	46	The online information chain, limitation of agents, implications for the accounting	13/03/2018	MCAL406	A
5	47	Web- Based marketing:- The scope of marketing, business, marketing and information technology strategy congruence.	15/03/2018	MCAL406	A
5	48	Web- Based marketing:- The scope of marketing, business, marketing and information technology strategy congruence.	16/03/2018	MCAL406	A
5	49	Web- Based marketing:- The scope of marketing, business, marketing and information technology strategy congruence.	19/03/2018	MCAL406	A
5	50	REVISION	20/03/2018	MCAL406	A



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Course wise Teaching Plan for Session : Summer 2018

Course : Cloud Storage Infrastructure

Faculty : augahankari - Mr. Aparitosh U.

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Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Virtualized Data Center Architecture	04/12/2017	MCAL414	A
1	2	Cloud infrastructures; public, private	05/12/2017	MCAL414	A
1	3	hybrid. Service provider	07/12/2017	MCAL414	A
1	4	interfaces Saas, Paas, Iaas	08/12/2017	MCAL414	A
1	5	VDC environments; concept, planning and design	11/12/2017	MCAL414	A
1	6	business continuity and	12/12/2017	MCAL414	A
1	7	disaster recovery principles	14/12/2017	MCAL414	A
1	8	Managing VDC and cloud environments and infrastructures	15/12/2017	MCAL414	A
1	9	Virtualization of CPU	18/12/2017	MCAL414	A
2	10	Virtualization concepts: Implementation Levels of Virtualization - Virtualization Structures - Tools and Mechanisms	19/12/2017	MCAL414	A
2	11	Memory and I/O Devices	21/12/2017	MCAL414	A
2	12	Virtual Clusters and Resource Management	22/12/2017	MCAL414	A
2	13	Introduction to Various Virtualization OS	02/01/2018	MCAL414	A
2	14	Introduction to Various Virtualization OS	04/01/2018	MCAL414	A
2	15	Introduction to Various Virtualization OS Vmware	05/01/2018	MCAL414	A
2	16	Introduction to Various Virtualization OS KVM,	08/01/2018	MCAL414	A
2	17	Revision Unit II	09/01/2018	MCAL414	A
2	18	An overview of Windows Azure,	15/01/2018	MCAL414	A
3	19	Windows Azure Storage	16/01/2018	MCAL414	A
3	20	Windows Azure Storage Architecture	18/01/2018	MCAL414	A



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Course : Cloud Storage Infrastructure

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Unit	Topic Code	Topic Covered	Date	Course	Section
3	21	Windows Azure Storage Architecture	19/01/2018	MCAL414	A
3	22	Storage Accessing Protocols	22/01/2018	MCAL414	A
3	23	Azure AppFabric	23/01/2018	MCAL414	A
3	24	using Window Azure: Creating a scalable web application	25/01/2018	MCAL414	A
3	25	creating a parallel processing application	29/01/2018	MCAL414	A
3	26	creating a parallel processing application	30/01/2018	MCAL414	A
3	27	Creating a scalable web application with background processing	01/02/2018	MCAL414	A
3	28	Understanding windows azure and integration using WCF	02/02/2018	MCAL414	A
3	29	Developing cloud application using Google Developers	05/02/2018	MCAL414	A
3	30	Service Oriented Architecture	06/02/2018	MCAL414	A
4	31	Moving Application to the cloud ,Communicating with the cloud	12/02/2018	MCAL414	A
4	32	Security Concepts: Confidentiality, privacy, integrity, authentication, non-repudiation, availability	13/02/2018	MCAL414	A
4	33	Importance of Security in PaaS, IaaS and SaaS	15/02/2018	MCAL414	A
4	34	access control, defense in depth, least privilege,	16/02/2018	MCAL414	A
4	35	Implementation of Security concept in the cloud	19/02/2018	MCAL414	A
4	36	block ciphers, modes of operation	20/02/2018	MCAL414	A
4	37	Importance of Security in PaaS, IaaS and SaaS	22/02/2018	MCAL414	A
4	38	Symmetric cryptography, stream ciphers	23/02/2018	MCAL414	A
4	39	public-key cryptography	26/02/2018	MCAL414	A
4	40	public-key infrastructures	27/02/2018	MCAL414	A



G H RAISONI COLLEGE OF ENGINEERING NAGPUR

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate No.3, Hingna Road, Digdoh Hills, Nagpur. Maharashtra-440016 (India)

Course wise Teaching Plan for Session : Summer 2018

Course : Cloud Storage Infrastructure

Faculty : augahankari - Mr. Aparitosh U.

Gahankari

Unit	Topic Code	Topic Covered	Date	Course	Section
4	41	hashing, digital signatures	05/03/2018	MCAL414	A
4	42	key management,	06/03/2018	MCAL414	A
4	43	X.509 certificates, OpenSSL.	08/03/2018	MCAL414	A
5	44	Grid Computing: Introduction	09/03/2018	MCAL414	A
5	45	Technologies and Architectures for Grid Computing	12/03/2018	MCAL414	A
5	46	Service Oriented Architecture (SOA),	13/03/2018	MCAL414	A
5	47	Web Services	15/03/2018	MCAL414	A
5	48	OGSA and WSRF	16/03/2018	MCAL414	A
5	49	the Grid and the Databases	19/03/2018	MCAL414	A
5	50	the Grid and the Databases	20/03/2018	MCAL414	A