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(Under sec. 3 of UGC act 1956)

CURRICULUM

Course Name: **MARINE INFORMATION TECHNOLOGY**

(With Effect from the Academic Year   2013   )

SEMESTER: I

CODE NO	COURSE TITLE	C	L	T	P	M
THEORY						
IT1001	Technical English-I	4	60	0	0	100
IT1002	Mathematics-I	4	60	0	0	100
IT1003	Engineering Physics	4	60	0	0	100
IT1004	Engineering Chemistry	4	60	0	0	100
IT1005	Computing and Programming Techniques	4	60	0	0	100
IT1006	Basics of Graphics	4	60	0	0	100
PRACTICAL						
ITL1001	Physics Laboratory	1	0	0	30	100
ITL1002	Chemistry Laboratory	1	0	0	30	100
ITL1003	MS- Office and C Lab	1	0	0	30	100
ITL1004	Basics of Engineering Laboratory	1	0	0	30	100

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Course Name: MARINE INFORMATION TECHNOLOGY

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SEMESTER: II

CODE NO	COURSE TITLE	C	L	T	P	M
THEORY						
IT2007	Technical English-II	4	60	0	0	100
IT2008	Mathematics-II	4	60	0	0	100
IT2009	Data structure And Algorithms	4	60	0	0	100
IT2010	Computer Architecture	4	60	0	0	100
IT2011	C Programming	4	60	0	0	100
IT2012	Engineering Mechanics	4	60	0	0	100
PRACTICAL						
ITL2005	Data structure and	1	0	0	30	100
ITL2006	C Programming Laboratory	1	0	0	30	100
ITL2007	Language skills laboratory	1	0	0	30	100

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SEMESTER: III

CODENO	COURSETITLE	C	L	T	P	M
THEORY						
IT3013	Mathematics III	4	60	0	0	100
IT3014	Digital Communication Techniques	4	60	0	0	100
IT3015	Data Communication Networks	4	60	0	0	100
IT3016	Object Oriented Programming with C++	4	60	0	0	100
IT3017	Operating Systems	4	60	0	0	100
IT3018	Analysis and Design of Algorithms	4	60	0	0	100
PRACTICAL						
ITL3008	C++ Laboratory	1	0	0	30	100
ITL3009	Network Simulators lab	1	0	0	30	100
ITL3010	Operating System Laboratory with C	1	0	0	30	100

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SEMESTER: IV

CODENO	COURSE TITLE	C	L	T	P	M
IT4019	Discrete Mathematics	4	60	0	0	100
IT4020	Compiler Design	4	60	0	0	100
IT4021	Embedded Systems	4	60	0	0	100
IT4022	Data Base Management System	4	60	0	0	100
IT4023	Web Technology	4	60	0	0	100
IT4024	Software Engineering	4	60	0	0	100
PRACTICAL						
ITL4011	Embedded Applications Laboratory	1	0	0	30	100
ITL4012	Web Technology Laboratory	1	0	0	30	100
ITL4013	Visual Basic Lab	1	0	0	30	100

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SEMESTER: V

CODENO	COURSETITLE	C	L	T	P	M
THEORY						
IT5025	Software Project Management	4	60	0	0	100
IT5026	Object Oriented Analysis and Design	4	60	0	0	100
IT5027	Multimedia And Its Applications	4	60	0	0	100
IT5028	Internet Programming	4	60	0	0	100
IT5029	Distributed Systems	4	60	0	0	100
IT5030	Information Security	4	60	0	0	100
PRACTICAL						
ITL5014	JAVA Laboratory	1	0	0	30	100
ITL5015	Case Tools Laboratory	1	0	0	30	100
ITL5016	Multimedia and Animation Laboratory	1	0	0	30	100

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Course Name: .... **MARINE INFORMATION TECHNOLOGY**

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SEMESTER: VI

CODENO	COURSETITLE	C	L	T	P	M
THEORY						
IT6031	Service Oriented Architecture	4	60	0	0	100
IT6032	Wireless Networks	4	60	0	0	100
IT6033	Statistics and Linear Programming	4	60	0	0	100
IT6034	Advance Java Programming	4	60	0	0	100
IT6035	Environmental Science and Engineering	4	60	0	0	100
IT6036	Cloud Computing	4	60	0	0	100
PRACTICAL						
ITL6017	Mobile Computing Lab	1	0	0	30	100
ITL6018	Service Oriented Architecture Lab	1	0	0	30	100
ITL6019	Advanced Java Laboratory	1	0	0	30	100
ITMP01	Mini Project	1	0	0	30	100

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SEMESTER: VII

CODENO	COURSETITLE	C	L	T	P	M
THEORY						
IT7037	Software Testing and Quality Assurance	4	60	0	0	100
IT7038	Cryptography and Network Security	4	60	0	0	100
IT7039	Principles of Management	4	60	0	0	100
IT7040	**Elective I**	4	60	0	0	100
IT7041	**Elective II**	4	60	0	0	100
IT7042	**Elective III**	4	60	0	0	100
PRACTICAL						
ITL7020	Software Testing Laboratory	1	0	0	30	100
ITL7021	Network Security Laboratory	1	0	0	30	100
ITL7022	C# Laboratory	1	0	0	30	100

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Electives I and II

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ELECTIVES FOR SEMESTER VII

ELECTIVES I   AND II

Sl. No	Course Title	C	L	T	P	M
ITE1.	Resource management techniques	4	60	0	0	100
ITE2.	Data warehousing and mining	4	60	0	0	100
ITE3.	Discrete Mathematics	4	60	0	0	100
ITE4.	Theory of Computation	4	60	0	0	100
ITE5.	User Interface Design	4	60	0	0	100
ITE6.	Digital Image Processing	4	60	0	0	100
ITE7.	Satellite Communication	4	60	0	0	100
ITE8.	Advanced Java Programming	4	60	0	0	100
ITE9.	Natural language processing	4	60	0	0	100
ITE10.	Total Quality Management	4	60	0	0	100
ITE11.	Distributed Systems	4	60	0	0	100
ITE12.	Intellectual Property Rights (IPR)	4	60	0	0	100
ITE13.	Indian Constitution and Society	4	60	0	0	100
ITE14.	Financial Accounting & Management	4	60	0	0	100
ITE15.	Business Process Models	4	60	0	0	100

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Elective III

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ELECTIVES FOR SEMESTER VII

ELECTIVE III

Sl. No	Course Title	C	L	T	P	M
ITE16.	Principles of Compiler Design	4	60	0	0	100
ITE17.	Knowledge Based Decision Support Systems	4	60	0	0	100
ITE18.	Optical Communication	4	60	0	0	100
ITE19.	C# and .NET Framework	4	60	0	0	100
ITE20.	Information Security	4	60	0	0	100
ITE21.	Professional Ethics And Human Values	4	60	0	0	100
ITE22.	Medical Informatics	4	60	0	0	100

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SEMESTER: VIII

CODENO	COURSETITLE	C	L	T	P	M
THEORY						
IT8043	**Elective IV**	4	60	0	0	100
IT8044	**Elective V**	4	60	0	0	100
PRACTICAL						
ITP001	Project Work	4	0	0	120	200

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ELECTIVES FOR SEMESTER VIII

ELECTIVE IV

Sl. No	Course Title	C	L	T	P	M
ITE23.	Bio Informatics	4	60	0	0	100
ITE24.	Enterprise Resource Planning	4	60	0	0	100
ITE25.	Electronics Commerce	4	60	0	0	100
ITE26.	Software Testing	4	60	0	0	100
ITE27.	Web Services	4	60	0	0	100
ITE28.	Mobile Networks	4	60	0	0	100
ITE29.	Digital Asset Management	4	60	0	0	100
ITE30.	Grid computing	4	60	0	0	100

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Elective V

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ELECTIVES FOR SEMESTER VIII

ELECTIVE V

Code No	Course Title	C	L	T	P	M
ITE31	AutoCAD	4	60	0	0	100
ITE32	Engineering Graphics	4	60	0	0	100
ITE33	Modeling and Simulation	4	60	0	0	100
ITE34	Port and Terminal Management	4	60	0	0	100
ITE35	Radar and Navigational Aids	4	60	0	0	100

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