Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Name : BIMAL PARAJULI   Register Number : 20BDS0405

Programme Core	Programme Elective	University Core	University Elective	Total Credits
65	30	53	12	160

Course Code	Course Title	Course Type	L	T	P	J	C
PROGRAMME CORE							
CSE1003	Digital Logic and Design	ETL	3	0	2	0	4
CSE1004	Network and Communication	ETL	3	0	2	0	4
CSE1007	Java Programming	ETL	3	0	2	0	4
CSE2001	Computer Architecture and Organization	TH	3	0	0	0	3
CSE2004	Database Management Systems	ETL	3	0	2	0	4
CSE2005	Operating Systems	ETL	3	0	2	0	4
CSE2010	Advanced C Programming	ETL	2	0	2	0	3
CSE2011	Data Structures and Algorithms	ETL	3	0	2	0	4
CSE2013	Theory of Computation	TH	3	0	0	0	3
CSE2015	Internet Programming and Web Technologies	ETL	3	0	2	0	4
CSE3035	Principles of Cloud Computing	ETL	3	0	2	0	4
CSE3050	Data Visualization and Presentation	ETL	3	0	2	0	4
EEE1001	Basic Electrical and Electronics Engineering	ETL	2	0	2	0	3
MAT1014	Discrete Mathematics and Graph Theory	TH	3	2	0	0	4

Course Code	Course Title	Course Type	L	T	P	J	C
PROGRAMME ELECTIVE							
CSE1006	Blockchain and Cryptocurrency Technologies	TH	3	0	0	0	3
CSE2012	Design and Analysis of Algorithms	ETL	3	0	2	0	4
CSE2014	Compiler Design	ETL	3	0	2	0	4
CSE2016	Microprocessor and Microcontrollers	ETL	3	0	2	0	4
CSE3001	Software Engineering	ETLP	2	0	2	4	4
CSE3009	Internet of Things	ETP	3	0	0	4	4
CSE3011	Robotics and its Applications	ETP	3	0	0	4	4
CSE3013	Artificial Intelligence	ETP	3	0	0	4	4
CSE4003	Cyber Security	ETP	3	0	0	4	4
CSE4019	Image Processing	ETP	3	0	0	4	4
CSE4022	Natural Language Processing	ETP	3	0	0	4	4
MAT2002	Applications of Differential and Difference Equations	ETL	3	0	2	0	4
MAT3004	Applied Linear Algebra	TH	3	2	0	0	4

Course Code	Course Title	Course Type	L	T	P	J	C
UNIVERSITY CORE							
CHY1701	Engineering Chemistry	ETL	3	0	2	0	4
CSE1001	Problem Solving and Programming	LO	0	0	6	0	3
CSE1002	Problem Solving and Object Oriented Programming	LO	0	0	6	0	3

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CSE1901	Technical Answers for Real World Problems (TARP)	ETP	1	0	0	4	2
CSE1902	Industrial Internship	PJT	0	0	0	0	1
CSE1903	Comprehensive Examination	PJT	0	0	0	0	1
CSE1904	Capstone Project	PJT	0	0	0	0	12
ENG1901	Technical English - I	LO	0	0	4	0	2
ENG1902	Technical English - II	LO	0	0	4	0	2
ENG1903	Advanced Technical English	ELP	0	0	2	4	2
HUM1021	Ethics and Values	TH	2	0	0	0	2
MAT1011	Calculus for Engineers	ETL	3	0	2	0	4
MAT2001	Statistics for Engineers	ETL	3	0	2	0	4
MGT1022	Lean Start-up Management	ETP	1	0	0	4	2
PHY1701	Engineering Physics	ETL	3	0	2	0	4
FLC4097	Foreign Language Course Basket	CDB	0	0	0	0	2

ESP1001 - ESPANOL FUNDAMENTAL - TH

ESP2001 - ESPANOL INTERMEDIO - ETL

FRE1001 - Francais quotidien - TH

FRE2001 - Francais progressif - ETL

GER1001 - Grundstufe Deutsch - TH

GER2001 - Mittelstufe Deutsch - ETL

GRE1001 - Modern Greek - TH

JAP1001 - Japanese for Beginners - TH

RUS1001 - Russian for Beginners - TH

| STS4097 | Soft Skills B.Tech. / B.Des. | CDB | 0 | 0 | 0 | 0 | 6 |

STS1001 - Introduction to Soft Skills - SS

STS1002 - Introduction to Business Communication - SS

STS1101 - Fundamentals of Aptitude - SS

STS1102 - Arithmetic Problem Solving - SS

STS1201 - Introduction to Problem Solving - SS

STS1202 - Introduction to Quantitative, Logical and Verbal Ability - SS

STS2001 - Reasoning Skill Enhancement - SS

STS2002 - Introduction to Etiquette - SS

STS2101 - Getting Started to Skill Enhancement - SS

STS2102 - Enhancing Problem Solving Skills - SS

STS2201 - Numerical Ability and Cognitive Intelligence - SS

STS2202 - Advanced Aptitude and Reasoning Skills - SS

STS3001 - Preparedness for External Opportunities - SS

STS3004 - Data Structures and Algorithms - SS

STS3005 - Code Mithra - SS

STS3006 - Preparedness for External Opportunities - SS

STS3007 - Preparedness for Career Opportunities - SS

STS3101 - Introduction to Programming Skills - SS

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STS3104 - Enhancing Programming Ability - SS							
STS3105 - Computational Thinking - SS							
STS3201 - Programming Skills for Employment - SS							
STS3204 - JAVA Programming and Software Engineering Fundamentals - SS							
STS3205 - Advanced JAVA Programming - SS							
STS3301 - JAVA for Beginners - SS							
STS3401 - Foundation to Programming Skills - SS							
STS5002 - Preparing for Industry - SS							

Course Code	Course Title	Course Type	L	T	P	J	C
BRIDGE COURSE							

Course Code	Course Title	Course Type	L	T	P	J	C
NON CREDIT COURSE							
CHY1002	Environmental Sciences	TH	3	0	0	0	3
ENG1000	Foundation English - I	LO	0	0	4	0	2
ENG2000	Foundation English - II	LO	0	0	4	0	2
EXC4097	Co-Extra Curricular Basket	CDB	0	0	0	0	2
EXC1001 - Service to the Society - ECA							
EXC1002 - Youth Red Cross - ECA							
EXC1002 - Red Cross - ECA							
EXC1003 - ABCD-AnyBody Can Dance - ECA							
EXC1004 - Entrepreneurs Cell - ECA							
EXC1004 - Building Entrepreneurship Competencies and Skills - ECA							
EXC1005 - Energy and Environmental Protection Club - ECA							
EXC1006 - Music - The Art of Culture - ECA							
EXC1007 - Sports for Healthy Life - ECA							
EXC1008 - Instrumentation for Engineers - ECA							
EXC1009 - Debating Skills - ECA							
EXC1010 - Mobility Engineering- Land, Air and Sea - ECA							
EXC1011 - Skills in Competitive Coding - ECA							
EXC1012 - Basics of Space Sciences - ECA							
EXC1013 - Roadmap to a Connected World - ECA							
EXC1014 - Dramatics Club - ECA							
EXC1014 - The Art of Acting - ECA							
EXC1016 - ASCE - VIT Student Chapter - ECA							
EXC1017 - Health Club - ECA							
EXC1017 - Health and Wellness - ECA							
EXC1018 - IETE - Student Chapter - ECA							
EXC1018 - Electronics and Telecommunication for Skill Development - ECA							
EXC1019 - The Fine Arts Club - ECA							
EXC1019 - Basic Art and Craft Techniques - ECA							
EXC1020 - Skills on Creativity - ECA							
EXC1021 - Computer Society of India - ECA							

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EXC1021 - Computer in Society - ECA							
EXC1023 - Hindi Literary Association - ECA							
EXC1023 - Hindi Arts and Literature - ECA							
EXC1025 - Toastmasters International - VIT Chapter - ECA							
EXC1027 - Power and Energy for Societal Development - ECA							
EXC1028 - VIT Community Radio - ECA							
EXC1030 - Make a Difference - ECA							
EXC1030 - Child Empowerment and Development - ECA							
EXC1032 - Fifth Pillar - ECA							
EXC1032 - Building Blocks of Democracy - ECA							
EXC1033 - Robotics for Engineers - ECA							
EXC1034 - Techloop - ECA							
EXC1035 - Association for Computing Machinery - ECA							
EXC1035 - Computing in Science and Engineering - ECA							
EXC1049 - Innovation for Engineering Applications - ECA							
EXC1054 - The Art and Skills of Photography - ECA							
EXC1061 - Skill Development in Manufacturing - ECA							
EXC1068 - Discussion through Media - ECA							
EXC1069 - Fep-Si - ECA							
EXC1070 - Working to Engineer a Better World - ECA							
EXC1071 - Culinary Crusade - ECA							
EXC1072 - VIT Film Society - ECA							
EXC1072 - The Art and Skills of Film Making - ECA							
EXC1075 - The Institution of Engineers (India) - ECA							
EXC1075 - ENGINEERING SKILLSET - ECA							
EXC1076 - Tamil Arts and Literature - ECA							
EXC1077 - National Cadet Corps (NCC) - ECA							
EXC1078 - VIT Spartans - ECA							
EXC1078 - Learning with Spartans - ECA							
EXC1079 - Anokha - ECA							
EXC1079 - Inception of Change - ECA							
EXC1080 - American Society of Mechanical Engineers - ECA							
EXC1081 - Open Source Development for Google Applications - ECA							
EXC1082 - Telugu Literary Association - ECA							
EXC1083 - Mozilla Firefox - ECA							
EXC1083 - Open Source User Interface - ECA							
EXC1084 - Apple Developers Group - ECA							
EXC1084 - IOS Platform - ECA							
EXC1085 - Technology And Gaming Club (TAG) - ECA							
EXC1087 - Engineering in Medicine and Biology - ECA							
EXC1088 - Energy for Societal Development - ECA							
EXC1090 - Economic Development and Commercial Sciences - ECA							
EXC1095 - Skills in Financial Investment - ECA							

Course Code	Course Title	Course Type	L	T	P	J	C
EXC1097 - Practical Fundamentals of Chemical Engineering - ECA							
EXC1100 - Experiential Learning of Energy Engineers - ECA							
EXC1101 - Mathsomania - ECA							
EXC1102 - Art of Research and Publication - ECA							
EXC1107 - Skills on Chemical Engineering - ECA							
EXC1110 - Engineering for Industrial Applications - ECA							
EXC1111 - TechEd - ECA							
EXC1112 - Research for Biotechnology - ECA							
EXC1114 - Communication in Technology and Networking - ECA							
EXC1120 - Creativity Club - ECA							
EXC1121 - Social Entrepreneurship - ECA							
EXC1124 - Humanitarian Service - ECA							
EXC1127 - Debating on Internal Issues - ECA							
EXC1129 - Uddeshya - ECA							
EXC1129 - Peer Educator Training Programme - ECA							
EXC1132 - The way of Living - ECA							
EXC1134 - Child Care and Education - ECA							
EXC1135 - Kannada Arts and Literature - ECA							
EXC1157 - Trekking Club - ECA							
EXC4097 - Co/Extra Curricular - ECA							