Shri. Gopinath Mahadeo Vedak Pratishthan's

G. M. Vedak Institute of Technology, Tala
College of Engineering (3447)
Approved by AICTE & DTE Recognized by the Govt. of Maharashtra & Affiliated to University of Mumbai

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Criteria 1

Criteria	Criteria 1 - Curricular Aspects
Key Indicator	1.3.2. Average percentage of courses that include experiential learning through project work/field work/internship during last five years
Finding In DVV	Provide the course corresponding project work/field work/internship year-wise during last five years
Response/ Clarification:	Provide the course corresponding project work/field work/internship year-wise during last five years. **Appendix-I**
Description	**Response Relevant DVV attached below in Appendix-I**

Dr. D. N. Jaiswal
Principal
G M Vedak Institute of Technology
Tala Dist.Raigad

Ref: DVV Clarification for Metric level: 1.3.2

Sub: Response to DVV Clarification for Metric level: 1.3.2

1.3.2. Average percentage of courses that include experiential learning through project work/field work/internship during last five years (10)

HEI Input:

2020-21	2019-20	2018-19	2017-18	2016-17
09	20	18	09	01

Corrected HEI input:

2020-21	2019-20	2018-19	2017-18	2016-17
60	66	69	71	65

1. Provide the course corresponding project work/field work/internship year-wise during last five years. **Appendix-I**

Dr. D. N. Jaiswal
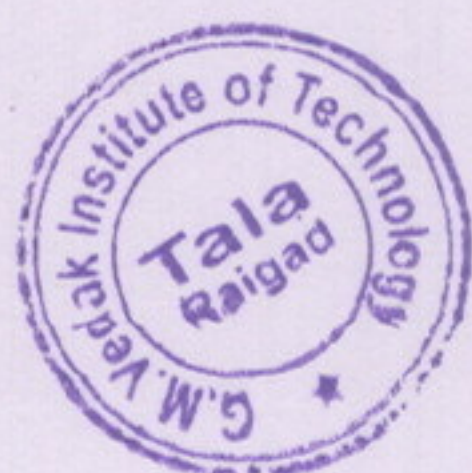Principal
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Appendix – I

Course corresponding project work/field work/internship year-wise during last five years
A.Y. 2020-21

Programme name	Year		Name courses that include experiential learning through project work/field work/internship	Number No. of courses that include experiential learning through project work/field work/internship
Mechanical Engineering	2020-21	SE	Materials Testing	9
			Machine Shop Practice	
			CAD –Modeling	
			Mini Project – 1A	
			Industrial Electronics	
			Kinematics of Machinery*	
			Python Programming	
			CNC and 3-D Printing	
			Mini Project – 1B	
		TE	Internal Combustion Engines	11
			Mechanical Measurements and Con	
			Heat Transfer	
			Dynamics of Machinery	
			Manufacturing Sciences Lab	
			Business Communication and Ethic	
			Metrology and Quality Engineering	
			Machine Design I	
			Finite Element Analysis	
			Refrigeration and Air Conditioning	
			Mechatronics Lab	
		BE	Machine Design II	7
			CAD/CAM/CAE	
			Production Planning and Control	
			Project I	
			Design of Mechanical Systems	
			Power Engineering	
			Project II	

Department	Year	Level	Course	Count
Computer Engineering	2020-21	SE	Computer Graphics	6
			Skill base Lab course:Object Oriented Programming with Java	
			Mini Project – 1 A	
			Database Management System	
			Skill Base Lab Course: Python Programming	
			Mini Project 1-B	
		TE	Web Design Lab	5
			Database Management System Lab	
			Enterprise Resource Planning	
			Mini-Project	
			Business Comm. & Ethics	
		BE	Big Data & Analytics	7
			Computational Lab-I	
			Major Project-I	
			Human Machine Interaction	
			Cloud Computing Lab	
			Major Project-II	
			Computational Lab-II	
Civil Engineering		SE	Mini Project 1A	2
			Mini Project 1B	
		TE	Mini Project 2A	2
			Mini Project 2B	
		BE	Project I	2
			Project II	
EXTC	2020-21	BE	Microwave Engineering Laboratory	9
			Mobile Communication System Laboratory	
			Optical Communication Laboratory	
			Internet Communication Engineering Laboratory	
			RF Design Laboratory	
			Wireless Networks Laboratory	
			Satellite Communication Laboratory	
			Project-I	
			Project-II	
			Total	**60**

Programme name	Year		Name courses that include experiential learning through project work/field work/internship	Number No. of courses that include experiential learning through project work/field work/internship
Mechanical Engineering	2019-20	SE	Computer Aided Machine Drawing* Strength of Material* Material Technology* Machine Shop Practice I* Data Base and Information Retrieval* Fluid Mechanics* Industrial Electronics* Kinematics of Machinery* Machine Shop Practice II*	9
		TE	Internal Combustion Engines Mechanical Measurements and Control Heat Transfer Dynamics of Machinery Manufacturing Sciences Lab Business Communication and Ethics Metrology and Quality Engineering Machine Design I Finite Element Analysis Refrigeration and Air Conditioning Mechatronics Lab	11
		BE	Machine Design II CAD/CAM/CAE Production Planning and Control Project I Design of Mechanical Systems Power Engineering Project II	7
		SE	Data Structures OOPM(Java) Lab Open Source Tech Lab Computer Graphics Computer Organization and Architecture Operating System	6

Computer Engineering	2019-20	TE	Web Design Lab		5
			Database Management System Lab		
			Enterprise Resource Planning		
			Mini-Project		
			Business Comm. & Ethics		
		BE	Big Data & Analytics		7
			Computational Lab-I		
			Major Project-I		
			Human Machine Interaction		
			Cloud Computing Lab		
			Major Project-II		
			Computational Lab-II		
Civil Engineering	2019-20	BE	Project I		2
			Project II		
EXTC	2019-20	TE	Microprocessors & Peripherals Interfacing Laboratory		10
			Digital Communication Laboratory		
			Business Communication & Ethics Laboratory		
			Open Source technology for Communication Lab		
			Data Compression & Encryption		
			Microcontroller & Applications Laboratory		
			Computer Communication Network Laboratory		
			Antenna & Radio Wave Propagation Laboratory		
			Image Processing and Machine Vision Laboratory		
			Digital VLSI Design Laboratory		
		BE	Microwave Engineering Laboratory		9
			Mobile Communication System Laboratory		
			Optical Communication Laboratory		
			Internet Communication Engineering Laboratory		
			RF Design Laboratory		
			Wireless Networks Laboratory		
			Optical Networks Laboratory		
			Project-I		
			Project-II		
			Total		66

Programme name	Year		Name courses that include experiential learning through project work/field work/internship	Number No. of courses that include experiential learning through project work/field work/internship
Mechanical Engineering	2018-19	SE	Computer Aided Machine Drawing* Strength of Material* Material Technology* Machine Shop Practice I* Data Base and Information Retrieval* Fluid Mechanics* Industrial Electronics* Kinematics of Machinery* Machine Shop Practice II*	9
		TE	Internal Combustion Engines Mechanical Measurements and Control Heat Transfer Dynamics of Machinery Manufacturing Sciences Lab Business Communication and Ethics Metrology and Quality Engineering Machine Design I Finite Element Analysis Refrigeration and Air Conditioning Mechatronics Lab	11
		BE	Machine Design -II CAD/CAM/CAE & Mechanical Utility Systems Production Planning and Control Power Plant Engineering & Project- I Design of Mechanical Systems Industrial Engineering and Management Refrigeration and Air Conditioning Renewable Energy Sources Automobile Engineering Project- II	12
		SE	Data Structures OOPM(Java) Lab Open Source Tech Lab Computer Graphics Computer Organization and Architecture Operating System	6

Computer Engineering	2018-19	TE	Web Design Lab		5
			Database Management System Lab		
			Enterprise Resource Planning		
			Mini-Project		
			Business Comm. & Ethics		
		BE	Project I		5
			Network Threats and Attacks Laboratory		
			Project II		
			Cloud Computing Laboratory		
			Digital Signal Processing		
Civil Engineering	2018-19	BE	Project I		2
			Project II		
EXTC	2018-19	SE	Electronic Devices&CircuitsLaboratory		7
			Digital System Design Laboratory		
			OOP using JAVA laboratory		
			Electronic Devices & Circuits-II Laboratory		
			Linear Integrated Circuits Laboratory		
			Signals and Systems Laboratory		
			Principles of Communication Engineering Laboratory		
		TE	M+D62:D71icroprocessors & Peripherals Interfacing Laboratory		10
			Digital Communication Laboratory		
			Business Communication & Ethics Laboratory		
			Open Source technology for Communication Lab		
			Data Compression & Encryption		
			Microcontroller & Applications Laboratory		
			Computer Communication Network Laboratory		
			Antenna & Radio Wave Propagation Laboratory		
			Image Processing and Machine Vision Laboratory		
			Digital VLSI Design Laboratory		
		BE	Project (Stage I)		2
			Project (Stage II)		
			Total		69

Programme name	Year		Name courses that include experiential learning through project work/field work/internship	Number No. of courses that include experiential learning through project work/field work/internship
Mechanical Engineering	2017-18	SE	Computer Aided Machine Drawing* Strength of Material* Material Technology* Machine Shop Practice I* Data Base and Information Retrieval* Fluid Mechanics* Industrial Electronics* Kinematics of Machinery* Machine Shop Practice II*	9
		TE	I C Engines Mechanical Measurements and Control Production Process-III Theory of Machines- II Heat Transfer Business Communication and Ethics Metrology and Quality engineering Machine Design I Mechanical Vibrations Thermal and Fluid Power Engineering Mechatronics Finite Element Analysis &	12
		BE	Machine Design -II CAD/CAM/CAE & Mechanical Utility Systems Production Planning and Control Power Plant Engineering & Project- I Design of Mechanical Systems Industrial Engineering and Management Refrigeration and Air Conditioning Renewable Energy Sources Automobile Engineering Project- II	12
		SE	Data Structures OOPM(Java) Lab Open Source Tech Lab Computer Graphics Computer Organization and Architecture Operating System	6

Programme name	Year		Name courses that include experiential learning through project work/field work/internship	Number No. of courses that include experiential learning through project work/field work/internship
Mechanical Engineering	2016-17	SE	Strength of Materials	9
			Computer Aided M/c Drawing	
			Data Base &Information Retrieval System	
			Machine Shop Practice- I	
			Fluid Mechanics	
			Theory of Machines- I	
			Material Technology	
			Industrial Electronics	
			Machine Shop Practice- II	
		TE	I C Engines	12
			Mechanical Measurements and Control	
			Production Process-III	
			Theory of Machines- II	
			Heat Transfer	
			Business Communication and Ethics	
			Metrology and Quality engineering	
			Machine Design I	
			Mechanical Vibrations	
			Thermal and Fluid Power Engineering	
			Mechatronics	
			Finite Element Analysis &	
		BE	Machine Design -II	12
			CAD/CAM/CAE &	
			Mechanical Utility Systems	
			Production Planning and Control	
			Power Plant Engineering &	
			Project- I	
			Design of Mechanical Systems	
			Industrial Engineering and Management	
			Refrigeration and Air Conditioning	
			Renewable Energy Sources	
			Automobile Engineering	
			Project- II	
		SE	NIL	NIL

Computer Engineering	2016-17	TE	Web Technologies Laboratory		7
			Structured and Object Oriented Analysis and Design		
			Operating Systems		
			Distributed Databases		
			Mobile Communication and Computing		
			Network Programming Laboratory		
			Business Communication and Ethics		
		BE	Project I		5
			Network Threats and Attacks Laboratory		
			Project II		
			Cloud Computing Laboratory		
			Digital Signal Processing		
Civil Engineering	2016-17	BE	Project I		2
			Project II		
EXTC	2016-17	SE	NIL		NIL
		TE	Business Communication and Ethics		3
			Mini Project 1		
			Mini Project II		
		BE	Project (Stage I)		2
			Project (Stage II)		
Information Technology	2016-17	TE	Computer Graphics and Virtual Reality		7
			Open Source Technologies		
			Business Communication and Ethics*		
			Distributed Systems		
			System and Web Security		
			Data Mining and Business Intelligence		
			Advance Internet Technology		
		BE	Software Project Management		6
			Cloud Computing		
			Software Architecture		
			Project-I		
			Big Data Analytics		
			Project - II		
			Total		65