1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years (10)

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above (10)

Name of the value added courses (with 30 or more contact hours)offered	Course Code (if any)	Year of offering	No. of times offered	Duration of course	Number of students	Number of Students
Android based Application Development		2019	1	60	50	49
Bamboo Workshop		2019	1	60	22	21
Computer Hardworking and Network		2019	1	60	29	28
Conventional Machine		2019	1	60	11	10
Designing and Modeling of Electronics components		2019	1	60	17	16
Designing and Modeling of Electrical Components		2019	1	60	50	50
Dismantling and assembling of Two Stroke and Four Stroke engine		2019	1	60	44	43
Earth Workshop		2019	1	60	15	14
Electricity usage for domestic and Industrial application		2019	1	60	12	12
Enterprenuership Awareness Cell		2019	1	60	18	16
Front End Web Developer		2019	1	60	48	44
Google Services		2019	1	60	12	11
Hands on training on signal/image processing toolbox in MATLAB		2019	1	60	11	11
Inhouse Testing of Engineering Material		2019	1	60	19	18
Internet of things (IOT)		2019	1	60	50	48
Introduction to analytical Instruments		2019	1	60	22	22
Introduction to AutoCad for Engineering application		2019	1	60	45	44
Introduction to MATLAB programming for Engineering application		2019	1	60	22	21
Introduction to Solar Photovoltaic and application of Power electronics switches in Solar Inverter		2019	1	60	11	10
Problem Solving through Programming		2019	1	60	40	40
Python for Engineers		2019	1	60	50	49
Python Programming with application of machine learning		2019	1	60	50	49
Training on MATLAB		2019	1	60	35	34
Training on Digital Circuit Design		2019	1	60	9	8
Training on PCB designing & circuit wizard		2019	1	60	50	49
Understanding of building structure element through model making		2019	1	60	50	50
Use of Modern Surveying techniques in survey works		2019	1	60	42	41
Utility of heat transfer in Process Industry		2019	1	60	17	16
Biotech: Medical Device Innovation		2020	1	30	10	10
Chemical Engg.: Process Integration & Automation in Chemical Industries		2020	1	60	37	37
Civil Engg. Module 2: Environmental Engineering Design of Sewage Treatment Plant		2020	1	58	19	19
Civil Engg. Module 3: Field Outlook in Geo-technical Engineering Projects		2020	1	50	71	70
Civil Engg. Module 4: Energy Efficient Building (Planning, Design & Evaluation) and Pavement Design and		2020	1	34	58	54
Civil Engg. Module 5: Structural Design of a Two Storey RC Building and MS Project		2020	1	40	9	6
CSE & IT Engg. Module 1: Administrative Functions Automation and Data Loading		2020	1	40	19	17
CSE & IT Engg. Module 2: Applied Computational Skills		2020	1	40	55	55
CSE & IT Engg. Module 3: Cyber Security		2020	1	30	176	176
CSE & IT Engg. Module 4: Data Science		2020	1	30	196	144
Electronics: Robotics and Automation		2020	1	58	69	48
Electrical Engg.: Biomedical Signal and Image Processing using MATLAB/OCTAVE Platform		2020	1	58	8	7
Electrical Engg.: Soft Computing Techniques in Engineering		2020	1	58	26	26
ME & AU: Advances in Mechanical Engineering		2020	1	40	149	138
Control & Automation		2020	1	30	26	26
Chemical Reaction Engineering: A flyover between Nano and Macro world		2020	1	60	32	32
Electronic Circuit Design Using LTSPICE		2020	1	60	29	24
INTRODUCTION TO AUTO-CAD FOR ENGINEERING APPLICATIONS		2020	1	60	62	50
Advancing from BASICS by Practicing through "VIRTUAL LABS" in Civil Engineering		2020	1	60	12	12
Analytics using R Tools		2020	1	60	20	17
Applications of Lasers in Engineering, Technology, space & Medical Science		2020	1	60	9	9
Basics of Python and its applications in Civil Engineering		2020	1	60	26	26
Built and Cultural Heritage		2020	1	60	9	8
Civil Engineering Structural elements drawing using AutoCAD		2020	1	60	64	59
Descriptive Statistics with Python		2020	1	60	12	12
Digital Painting		2020	1	60	31	24
Electricity usage for Domestic & Industrial applications		2020	1	60	25	25
Front End Web Developer		2020	1	60	77	76
Google Services		2020	1	60	94	84
Hands on Training on MATLAB / SIMULINK		2020	1	60	49	49
Internet of Things		2020	1	60	74	73
Introduction of Mineral Processing and Challenges		2020	1	60	7	7
Introduction to Solar systems & Solar Photovoltaic (PV)		2020	1	60	12	12

Course	Code	Year				
Numerical Computational Techniques using MATLAB		**2020**	1	60	**8**	**8**
Personal Growth: Becoming a better "YOU"		**2020**	1	60	**27**	**17**
Python For Engineers		**2020**	1	60	**80**	**80**
Python Programming with Applications to Machine Learning		**2020**	1	60	**81**	**80**
SOLIDWORKS with GD &T		**2020**	1	60	**18**	**18**
The State of the Art of the Ground Vehicles		**2020**	1	60	**19**	**16**
Visualization and learning of repair and maintenance of a vehicle		**2020**	1	60	**70**	**61**
Advanced Software Application in Architecture		2021	1	30	56	31
Medical Device Innovation		2021	1	50	9	9
Process Integration & Automation in Chemical Industries		2021	1	40	32	32
Matrix Analysis of Structures		2021	1	45	4	3
Environmental Engineering Design of Sewage Treatment Plant		2021	1	32	36	32
Field Outlook in Civil Engineering Projects		2021	1	40	71	71
Structural Design of a Two Storey RC Building		2021	1	30	11	10
Applied and Intelligent Computational Skills		2021	1	30	21	19
Cyber Security and Integrity		2021	1	36	171	167
Image Processing Using MATLAB		2021	1	30	6	5
Optimization in Power System Operation, Planning and, Application of FACTS Devices		2021	1	40	24	24
Biomedical Signal and Image Processing using MATLAB/OCTAVE Platform		2021	1	45	13	12
Control and Automation		2021	1	60	28	26
Data Science for Beginners		2021	1	36	221	214
Cyber Security		2021	1	30	126	126
Renewable Energy; Applications & Modelling		2021	1	40	128	121
Programming in Scilab	EC0321S1	2021	1	30	7	7
Tinkercad	EC0321S2	2021	1	30	17	17
Electronic Circuit design and Simulation using LTSpice and Simulink	EC0321S3	2021	1	30	13	13
Heritage & Tourism		**2021**	1	**60**	8	8
3D Printing with AutoCAD		2021	1	60	38	29
Atmospheric and Space Physics		**2021**	1	**60**	14	13
Basic Structural elements drawing using AutoCAD		2021	1	60	41	41
Cyber Security offered by CSE		**2021**	1	**60**	88	81
Cyber Security offered by IT		2021	1	60	88	86
Digital Painting		**2021**	1	**60**	22	17
Electricity usage for Domestic & Industrial applications		2021	1	60	16	16
Electronic Circuit design and Simulation using LTSpice and Simulink		**2021**	1	**60**	13	13
Environment Aspect and Related Issue's		2021	1	60	10	10
Graphic Thinking		**2021**	1	**60**	25	22
Hands on Experience on Conventional Machines		2021	1	60	7	7
Hands on Training on MATLAB/SIMULINK		**2021**	1	**60**	28	28
In-House Testing of Engineering Materials		2021	1	**60**	42	42
Internet of Things		**2021**	1	60	67	65
Introduction of Mineral Processing and Challenges		2021	1	**60**	11	11
Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink		**2021**	1	60	16	16
Linux Basics		2021	1	**60**	33	30
Machine Learning for Everyone		**2021**	1	60	88	77
Machine Learning using Python		2021	1	**60**	90	90
Modelling and Simulation using MATLAB		**2021**	1	60	7	7
Programming in SCILAB		2021	1	**60**	7	6
Python for Beginners		**2021**	1	60	81	80
Python Programming & its Applications		2021	1	**60**	80	79
Robotics and Automation		**2021**	1	60	56	42
SolidWorks with Geometric Dimensioning and Tolerances		2021	1	**60**	14	13
Tinkercad & programming in MATLAB		**2021**	1	60	17	15
Visualization and learning of repair and maintenance of a vehicle		2021	1	**60**	20	20
Wirless Communication and Mobile Computing		**2021**	1	**60**	69	63
Structural Design of a Two Story RC Building		2022	1	40	18	17
Design analysis of grid-connected and off-grid system		2022	1	50	13	0
Hybrid Power Generation using Solar and Wind Energy: A Case Study of MITS Campus		2022	1	50	34	20
Computer Aided Control and Automation		2022	1	42	67	50
Robotics and Automation		2022	1	44	8	0
Programming in SCILAB		2022	1	44	24	28
Google Services		2022	1	40	97	97
Deep Learning – Basics to Advance		2022	1	40	96	76
Mechanical Engineering Recent Aspects and Applications		2022	1	40	19	18

Course Name	Code	Year	Col4	Col5	Col6	Col7
Basic Programming of Python using Google Colab	**2000109**	2022	1	30	47	47
Elements of Photographic Skills	**2000012**	2022	1	30	50	50
Robotics	**2000007**	2022	1	30	50	50
Artistry-I & II	**2000044**	2022	1	30	17	15
Research Paper Writing	**2000011**	2022	1	30	8	8
Basics of MATLAB Programming	**2000108**	2022	1	30	20	20
Entreprenuership: Concept to Company	**2000155**	2022	1	30	41	41
3D Printing	2000001	2022	2	30	72	72
Amateur Radio Communication	2000002	2022	1	30	14	13
Design Skills Using Simulation Software	2000003	2022	2	30	73	73
Data Analysis Skills	2000004	2022	2	30	72	72
Robotics	2000007	2022	2	30	90	90
Vehicular Skill Development	2000008	2022	2	30	64	61
Animation	2000009	2022	2	30	100	100
Digital Learning -1	2000010	2022	1	30	48	40
Digital Learning* - II	2000011	2022	1	30	14	14
Elements of Photographic Skills	2000012	2022	2	30	66	65
Environment Protection -I	2000013	2022	1	30	56	55
Environment Protection* - II	2000014	2022	1	30	28	27
National Service Scheme (NSS) -I	2000016	2022	1	30	61	60
National Service Scheme** NSS - II	2000017	2022	1	30	33	33
National Cadet Corps (NCC) - I	2000020	2022	1	30	37	36
National Cadet Corps** NCC - II	2000021	2022	1	30	18	18
Mentoring Skills - I	2000024	2022	1	30	28	28
Mentoring Skills** - II	2000025	2022	1	30	18	18
Organic Farming	2000028	2022	1	30	22	21
Performing Arts - Dance	2000030	2022	1	30	8	8
Performing Arts - Music	2000031	2022	1	30	29	29
Games & Sports - I	2000032	2022	1	30	63	63
Games & Sports** - II	2000033	2022	1	30	49	49
Physical Fitness - I	2000036	2022	1	30	55	53
Physical Fitness - II	2000037	2022	1	30	22	20
Holistic Health - I	2000042	2022	1	30	14	14
Artistry - I	2000044	2022	1	30	17	16
Artistry* - II	2000045	2022	1	30	10	10
Sculpture Making - I	2000046	2022	1	30	11	11
English Litrerary Skills	2000048	2022	2	30	51	42
Hindi Language Skills	2000049	2022	2	30	25	25
Preliminary Journalism Skills	2000050	2022	1	30	14	14
Short Story Writing	2000051	2022	1	30	11	9
Food and Nutrition	2000052	2022	2	30	60	58
Career Guidance & Preparedness	2000053	2022	1	30	24	24
Personality Development - I	2000056	2022	1	30	50	48
Personality Development* - II	2000057	2022	1	30	23	23
Public Speaking - I	2000058	2022	1	30	50	50
Public Speaking* - II	2000059	2022	1	30	16	16
Coding Skills - I	2000060	2022	1	30	55	55
Coding Skills** - II	2000061	2022	1	30	41	41
Emerging Technologies in Computer Science	2000064	2022	2	30	78	78
Pythons of Programming	2000065	2022	1	30	52	52
Software Development	2000066	2022	1	30	52	52
Software Development** - II	2000067	2022	1	30	28	28
Photo Editing Software: Adobe Photoshop	2000070	2022	1	30	50	50
Basics of Technical Analysis in Stocks	2000071	2022	1	30	50	50
Graphic Design	2000072	2022	1	30	50	50
World Heritage Sites: A Brief Overview	2000073	2022	1	30	15	15
Basic and Advanced Excel	2000074	2022	1	30	50	50
Shutter Up-Flash Me Photography	2000080	2022	1	30	15	15
Science and Technology Around Us	2000081	2022	1	30	8	8
Cloud Computing: Techniques & Tools	2000083	2022	1	30	50	50
Knowing Madhya Pradesh	2000086	2022	1	30	50	47
Smart World Technology	2000087	2022	1	30	13	13
IT Tools	2000089	2022	1	30	9	9
Understanding Financial Markets	2000090	2022	1	30	50	50
Python for Image processing Applications using Open CV	2000096	2022	1	30	50	50

Renewable Energy Technology: Domestic load requirements	2000106	2022	1	30	18	17
Basics of MATLAB Programming	2000108	2022	1	30	20	20
Basic Programming of Python using Google Colab	2000109	2022	1	30	47	47
Research Paper Writing	2000111	2022	1	30	8	8
Music: The Melody of Life	2000112	2022	1	30	11	9
Introduction to Entreprenuership: Challenges & Opportunities	2000113	2022	1	30	12	12
Creative thinking and problem solving	2000121	2022	1	30	26	25
Basics of Campus Recruitment Training	2000124	2022	1	30	46	46
English Literary Skills	2000048	2022	1	30	31	22
Analog Circuits Simulation using LT-Spice		2022	1	60	17	17
Application of MATLAB and SPSS in Engineering Problems		2022	1	60	47	45
Applications of Optimization Techniques		2022	1	60	32	29
Arduino Programming and Hardware Fundamentals		2022	1	60	45	44
Data Handelling Through MATLAB programming		2022	1	60	41	41
Designing of Electrical Circuits using Matlab Simulink		2022	1	60	37	37
Discrete Mathematics and It's Application		2022	1	60	42	41
Energy Generation from Waste		2022	1	60	44	42
Entrepreneurial skills		2022	1	60	44	43
Environment Aspect and Related Issue's		2022	1	60	28	25
GRAPHIC THINKING		2022	1	60	50	48
Green Vehicle Technology		2022	1	60	44	43
Hands on practice on conventional machining and 3D printing		2022	1	60	40	40
Hands on training on MATLAB: Basics to Intermediate		2022	1	60	42	41
Heritage & Tourism		2022	1	60	39	37
Imbalanced Learning for classification		2022	1	60	42	41
Introduction to AUTOCAD for Engineering Applications		2022	1	60	48	46
Introduction to MATLAB Programming		2022	1	60	45	45
Introduction to SQL in Relational Database		2022	1	60	54	50
Introduction to Sustainable Engineering		2022	1	60	50	49
Introductory Course on Microsoft Office		2022	1	60	47	46
JAVA (Core)		2022	1	60	48	48
Microsoft Excel		2022	1	60	44	45
Problem Solving through programming		2022	1	60	50	51
Programming using Python		2022	1	60	55	54
Python Programming & its Applications		2022	1	60	55	55
Scientific writing Tools		2022	1	60	43	42
Simulation using MATLAB/TinkerCad		2022	1	60	42	42
Solar Energy Applications		2022	1	60	44	41
Solar Photovoltaic (PV) DESIGN & Analysis using RETScreen		2022	1	60	47	42
Training on Electronic Circuits Design using P-Spice along with PCB design		2022	1	60	51	48