

Programme Name/s	: Architecture Assistantship/ Architecture and Interior Design/ Automobile Engineering./ Artificial Intelligence/ Agricultural Engineering/ Artificial Intelligence and Machine Learning/ Automation and Robotics/ Architecture/ Cloud Computing and Big Data/ Civil Engineering/ Chemical Engineering/ Computer Technology/ Computer Engineering/ Civil & Rural Engineering/ Construction Technology/ Computer Software Technology/ Computer Science & Engineering/ Fashion & Clothing Technology/ Dress Designing & Garment Manufacturing/ Digital Electronics/ Data Sciences/ Electrical Engineering/ Electronics & Tele-communication Engg./ Electrical and Electronics Engineering/ Electrical Power System/ Electronics & Communication Engg./ Electronics Engineering/ Food Technology/ Computer Hardware & Maintenance/ Hotel Management & Catering Technology/ Instrumentation & Control/ Industrial Electronics/ Information Technology/ Computer Science & Information Technology/ Instrumentation/ Interior Design & Decoration/ Interior Design/ Civil & Environmental Engineering/ Mechanical Engineering/ Mechatronics/ Medical Laboratory Technology/ Manufacturing Technology/ Mining & Mine Surveying/ Medical Electronics/ Metallurgical Engineering/ Mining Engineering/ Production Engineering/ Printing Technology/ Polymer Technology/ Surface Coating Technology/ Computer Science/ Textile Technology/ Electronics & Computer Engg./ Travel and Tourism/ Textile Manufactures
Programme Code	: AA/ AD/ AE/ AI/ AL/ AN/ AO/ AT/ BD/ CE/ CH/ CM/ CO/ CR/ CS/ CST/ CW/ DC/ DD/ DE/ DS/ EE/ EJ/ EK/ EP/ ET/ EX/ FC/ HA/ HM/ IC/ IE/ IF/ IH/ IS/ IX/ IZ/ LE/ ME/ MK/ ML/ MRT/ MS/ MU/ MY/ MZ/ PG/ PN/ PO/ SC/ SE/ TC/ TE/ TR/ TX
Semester	: Second
Course Title	: SECOND YEAR EXIT COURSE (Online)
Course Code	: 312022

I. RATIONALE

The National Education Policy 2020 necessitates “Academic Flexibility” , means the provision for innovative and interchangeable curricular structures to enable creative combinations of Courses or Programmes in Disciplines of study leading to Degree or Diploma or Post Graduate Diploma or Certificate of Study offering multiple entry and multiple exit facilities, while removing rigid curricular boundaries and creating new possibilities of life-long learning;

To ensure that the exiting student:exits with market relevant competency ,offering the on-line skill based course in the absence of internships opportunity is the best option .

III. COURSE LEVEL LEARNING OUTCOMES (COS)

Students will be able to achieve & demonstrate the following COs on completion of course based learning

- CO1 - Demonstrate required skills and readiness relevant to their discipline (e.g., mechanical, civil, electrical, software engineering, hotel management textiles etc.) to join the workforce.
- CO2 - Practice the skills of using industry specific software, tools, machines, methodologies etc. required at the work place of an employer and earn livelihood.
- CO3 - Work collaboratively as professional in group as member and leader to complete the tasks of employers.

IV. TEACHING-LEARNING & ASSESSMENT SCHEME

Course Code	Course Title	Abbr	Course Category/s	Learning Scheme						Credits	Assessment Scheme										Total Marks
				Actual Contact Hrs./Week			SLH	NLH	Paper Duration		Theory			Based on LL & TL		Based on SL					
				CL	TL	LL					Total	Practical		SLA							
												FA-TH	SA-TH	FA-PR	SA-PR	Max	Min				
312022	SECOND YEAR EXIT COURSE (Online)	SYEC	SEC	-	-	-	-	0	4	-	-	-	-	-	-	50@	20	-	-	50	

V. Guidelines –

A) General Guidelines

1. This exit Course should be offered **only in absence of** opportunities for Exit Internships .
2. An exit course should focus on
 - o equipping students with skills that are directly applicable to the job market trends for the level of exit from the field of study of diploma programme.
 - o The course must have the scope of practical skills and knowledge may be multidisciplinary that are in high demand at job market.

Upon completion of this course, students can earn a certificate that demonstrates their readiness to enter the workforce .

3. There are several govt./semi govt. recognized agencies and organizations which offers online courses of 90 to 120 hrs of study engagement to enhance their skills and employability of potential learners. Depending on the student's field of study and career goals, they can choose from various platforms to enhance their employability and skill set before entering the workforce.
4. Online/ platforms of AICTE, NSDC, Coursera, edX, Udacity, Skillshare, Infosys springboard, SWAYAM etc. or other relevant platform may be referred for online course as exit course. These platforms often partner with universities, industry leaders, or educational institutions to provide high-quality, industry-relevant content.
5. Multiple courses can be offered .The offered course/s must encompass 80 to 120 hrs. of study engagement. Multiple short duration courses leading to the desired minimum duration form 80 to 120 can also be offered.
6. Study engagement hours shall be taken into account. For example if the online 'X' course is of 4 hours, the students may require 10 hrs. to undertake the course and in such cases the student may undertake multiple courses oriented towards developing appropriate aligned skills. Faculty decides the course engagement duration based on the complexity of the course and accordingly assigns course/es to the exiting student.

Ex :- If an 'Y' course on Infosys springboard is 3.5 hrs, the students may require 8 hrs of study engagements to complete the lecture due to recap, assignments, tests etc. and accordingly other courses maybe selected such that the study engagements of 90-120 hrs. is undertaken.

7. Course/es should not incur financial overheads on students.
8. Certificate of completion of Exit Industrial Training shall be provided by the institute based on the evaluation through orals.

B) Suggested RUBRIC for SA**Title : Second Year Exiting Students**

Enrollment Number	Courses Undertaken	No.Of Hrs.	Overall Understanding (20 Mks.)	Knowledge/Skill Acquired (20 Mks.)	Certification (10 Mks.)	Total (50 Mks.)
	1					
	2					
	3					

C) Suggestive Courses

- Title/Modules/Area for Programme-wise possible exit courses are suggested below and students may explore more under guidance of programme head/teachers of the relevant discipline/branch.

NOTE : Below are just the groupwise list of suggestive courses . Multiple or single course depending on the number of student engagement hours can be selected from them. Respective programme head/faculty are free to decide appropriate skill based course / es as per guidelines given above.

Programme Group – CO Group					
Sr. No.	Title of Skill Oriented Second Year Exit Course	Source Organization	Reference Link	Duration	Brief Description
1	Explore Machine Learning Using Python	Infosys Springboard	TOC - Explore Machine Learning using Python Infosys Springboard	17Hr 7 min	This course introduces concepts of machine learning like supervised and unsupervised learning techniques and demonstrates their application on various data sets. It also gives an overview of artificial neural networks.
2	Unity Game - Role Playing Game(RPG)	Infosys Springboard	TOC - Unity Game - Role Playing Game(RPG) Infosys Springboard	10Hr 28 min	Unity is well known as a massive game developing middleware system with a user friendly editor and power house features. As 3D games has always been leading the gaming
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

3	Unreal Engine Game - Pinball Game	Infosys Springboard	TOC - Unreal Engine Game - Pinball Game Infosys Springboard	15 Hr 8 Min	<p>Unreal Engine 4 is a suite of integrated tools for game developers to design and build games, simulations, and visualizations. Through this training we shall introduce you to the exciting gaming world and introducing you this powerful game engine Unreal. There are lots of code samples available but offer little or no explanation on how they should be used. This training aims to provide the necessary training to teach you how to create those awesome games. Through this tutorial we are going to create a live game the Pinball game using Unreal engine</p>
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

4	Python Machine Learning Solutions	Infosys Springboard	TOC - Python Machine Learning Solutions Infosys Springboard	5 Hr 32min	Machine learning is increasingly pervasive in the modern data-driven world. It is used extensively across many fields such as search engines, robotics, self-driving cars, and more. With this course, you will learn how to perform various machine learning tasks in different environments. Throughout the course, you'll use a wide variety of machine learning algorithms to solve real-world problems and use Python to implement these algorithms. You'll discover how to deal with various types of data and explore the differences between machine learning paradigms such as supervised and unsupervised learning. We also cover a range of regression techniques, classification algorithms, predictive modelling, data visualization techniques, recommendation engines, and more with the help of real-world examples
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

5	Unity Game - Gem Collector Game	Infosys Springboard	TOC - Unity Game - Gem Collector Game Infosys Springboard	3 Hr 4 min	Developing your script, designing the look and doing the coding is all a part of a game development. So, we brought you this course Create Gem Collector game using Unity training, to help you master the advanced tricks and techniques that usually go with the gaming industry workflow.
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

6	Hands-on Scikit-learn for Machine Learning	Infosys Springboard	TOC - Hands-on Scikit-learn for Machine Learning. Infosys Springboard	10Hr 2 min	<p>Scikit-learn is arguably the most popular Python library for Machine Learning today. Thousands of Data Scientists and Machine Learning practitioners use it for day to day tasks throughout a Machine Learning project's life cycle. Due to its popularity and coverage of a wide variety of ML models and built-in utilities, jobs for Scikit-learn are in high demand, both in industry and academia. If you're an aspiring machine learning engineer ready to take real-world projects head-on, Hands-on Scikit-Learn for Machine Learning will walk you through the most commonly used models, libraries, and utilities offered by Scikit-learn. By the end of the course, you will have a set of ML problem-solving tools in the form of code modules and utility functions based on Scikit-learn in one place, instead of spread over several books and courses, which you can easily use on real-world projects and data sets.</p>
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

7	UX Design for Web Developers	Infosys Springboard	.TOC - UX Design for Web Developers Infosys Springboard	4 Hr 44 min	UX Design for Web Developers is a comprehensive course that teaches web developers the principles and techniques of user experience (UX) design. It covers topics such as empathetic design, information architecture, wireframing, responsive design, usability testing, and prototyping. Participants will learn how to create user-centered and visually appealing websites by understanding user needs, organizing content effectively, and designing intuitive interactions. The course also explores best practices for mobile and desktop design, ensuring a seamless user experience across different devices
---	------------------------------	---------------------	---	-------------	---

Programme Group - AA

1	Architectural Graphics	IS 962:1989 - Code of Practice for Architectural and Building Drawings.		8 weeks	IS 962:1989 - Code of Practice for Architectural and Building Drawings.
2	Computer Aided Drawing	IS 16601:2016 - Guidelines for Digital Representation of Engineering Drawings.		8 weeks	IS 16601:2016 - Guidelines for Digital Representation of Engineering Drawings.
3	Architectural Drawing	IS 962:1989 - Code of Practice for Architectural and Building Drawings.		8 weeks	IS 962:1989 - Code of Practice for Architectural and Building Drawings.

MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					
---	--	--	--	--	--

4	Python Learning	ISO/IEC 25010 - System and Software Quality Requirements and Evaluation (SQuaRE).		8 weeks	ISO/IEC 25010 - System and Software Quality Requirements and Evaluation (SQuaRE).
5	Information Security	IS/ISO/IEC 27001:2013 - Information Security Management.		8 weeks	IS/ISO/IEC 27001:2013 - Information Security Management.
6	History of Ancient Architecture	Swayam	https://onlinecourses.swayam2.ac.in/ini25_ar01/preview	8 weeks	IS 2645:2003 - Architectural Preservation and Conservation Standards. Guidelines from the ASI (Archaeological Survey of India).
7	Bioclimatic Architecture	Swayam	https://onlinecourses.nptel.ac.in/noc25_ar06/preview	8 weeks	IS 3362:1977 - Thermal Insulation of Buildings. IS 875 (Part 2):1987 - Environmental Considerations in Building Design. IS 3792:2022 - Energy-Efficient and Sustainable Buildings.
8	Acoustic materials and meta materials	Swayam	https://onlinecourses.nptel.ac.in/noc25_me01/preview	8 weeks	IS 2526:1963 - Specification for Acoustic Material Properties. IS 4954:1968 - Sound Insulation Materials and Applications. IS 13356:2000 - Standards for Noise Control in Buildings.
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

9	Interior Design	Swayam	https://onlinecourses.nptel.ac.in/noc25_de11/preview	4 to 6 weeks	IS 3312:1974 - Guidelines for Interior Finishes and Materials. IS 6343:1982 - Code of Practice for Interior Lighting. IS 1643:1977 - Guidelines for Furniture Dimensions in Interior Spaces.
10	E Course on Griha version 2019	Griha	https://www.grihaindia.org/		
Program Group : Civil Engineering					
1	Civil 3D	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_0132918493657251845528_shared/overview	3 hrs	An Introduction to Civil 3D and Its Interface
2	The Civil 3D Workspace	Infosys Springboard	TOC - The Civil 3D Workspace Infosys Springboard	3 hrs	This course starts off with an overview of the interface of Civil 3D, showing you how Civil 3D applies settings and styles to automate object placement. Building on this knowledge, you will learn to create and edit surfaces, alignments, and profiles.
3	GPS Surveying	NPTEL -SWAYAM	https://onlinecourses.nptel.ac.in/noc25_ce31/preview	4 WEEKS	The objective of the course is to provide optimal insights into land surveying using GPS (Global Positioning System). The course starts with an introduction to land surveying leading to GPS as the state-of-art for surveying of land.
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

4	Advanced Topics in Science and Technology of Concrete	NPTEL -SWAYAM	https://onlinecourses.nptel.ac.in/noc25_ce64/preview	4 WEEKS	This edition of the Advanced Topics course focuses on the use of recycled concrete as aggregate in new concrete construction.
5	Design of Connections in Steel Structures	NPTEL -SWAYAM	https://onlinecourses.nptel.ac.in/noc25_ce65/preview	4 WEEKS	The course “Design of Connections in Steel Structures” helps students understand the fundamental mechanism of how different types of connections behave and how the analysis and design process accounts for the same.
6	Land Building And Civil Works	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384272204612403222498_shared/overview	8 min	Project Finance modeling using Microsoft Excel offers a comprehensive introduction to project finance modeling, focusing on infrastructure projects. Participants will learn to create financial models for the EBC Underground Parking Project, gaining skills in forecasting income statements, balance sheets, and cash flows. Through hands-on Excel-based exercises, they will explore feasibility analysis, debt modeling, and scenario analysis
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

7	SketchUp - Beginners	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384208087630643211723_shared/overview	3 hrs 10min	<p>The SketchUp Beginners course offers a comprehensive introduction to 3D modeling using SketchUp, a powerful and intuitive software widely used by professionals in different fields. Starting with the basics, you'll learn about the software's tools and user-friendly interface. The course covers downloading and installing SketchUp and then progresses into exploring toolbars, tabs, and practical application through hands-on exercises, enabling you to create accurate and visually appealing 3D models.</p>
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

8	Project on Google SketchUp	Infosys Springboard	TOC - Project on Google SketchUp Infosys Springboard	1 hr 29 min	<p>The Project on Google SketchUp offers an immersive and transformative learning experience, guiding participants through the process of 3D modeling and visualization using Google SketchUp. The course begins with an introduction to the software's interface and basic tools. The Project on Google SketchUp offers an immersive and transformative learning experience, guiding participants through the process of 3D modeling and visualization using Google SketchUp. The course begins with an introduction to the software's interface and basic tools</p>
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

9	SketchUp Case Study - 3D Landscape Garden	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384208345624576011846_shared/overview	3 hrs 15 min	The Landscape Garden Design and Visualization course is ideal for individuals interested in landscape architecture and garden design. Participants will learn essential design principles, spatial arrangement, plant selection, and focal point creation. They will gain hands-on experience using V-ray tools for realistic visualization and rendering, enabling them to create stunning presentations of their landscape garden designs.
10	SketchUp Case Study - Create a 3D AutoCAD Plan from 2D House	Infosys Springboard	TOC - SketchUp Case Study - Create a 3D AutoCAD Plan from 2D House Infosys Springboard	2 hrs 4 min	This is a Case Study on SketchUp - Create a 3D AutoCAD Plan from 2D House

Programme Code : Chemical Engineering

1	Effective Time Management	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	3 Hr 46 min	Certificate Course
2	Stress Management at Workplace	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	2 Hr 53 min	Certificate Course
3	Senior Professional in Human Resources : Safety and Health	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	1 Hr 8 min	Certificate Course
4	Indian oil & Gas Sector	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	1 Hr 38 min	Certificate Course
5	Fundamental of Information Security	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	3 Hr 24 min	Certificate Course
6	Design Thinking	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	3 Hr 31 min	Certificate Course

MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					
---	--	--	--	--	--

7	Security Standards & Regulations	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	4 Hr 08 min	Certificate Course
8	Management & Leadership	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	1 Hr 45 min	Certificate Course
9	Material Management	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	3 Hr 21 min	Certificate Course
10	Risk Management Investement Management	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	5 Hr 44 min	Certificate Course
11	Financial Management	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	2 Hr 41 Min	Certificate Course
12	Quality Management	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	3Hr 51 Min	Certificate Course
13	Fundamental of Risk Management	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	4 Hr 21 Min	Certificate Course
14	Theories of Stratregic Management	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	7 Hr 18 Min	Certificate Course
15	Customer Relationship Management	Infosis Springboard	https://infyspringboard.onwingspan.com/web/en/page/home	5 Hr 18 Min	Certificate Course

Programme Code : Electrical Engineering

MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme	
---	--

1	Internet of Things 101	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_21553622882521997000_shared/overview	8 hours 23 minutes	<p>This course introduces you to the fundamental concepts of building an IoT Ecosystem, implementation of IoT use cases using DIY boards, application of various IoT elements, provides details on different IoT industry sectors, and insights on IoT implementation challenges. IoT is poised to be the World's most massive device market. The adoption of the same in the industry will save companies billions of dollars. It is a must for us to embrace IoT now!</p>
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

2	<p>AutoCAD Case Study - Electrical Power Demand Calculation</p>	<p>Infosys Springboard</p>	<p>https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384338332015001637149_shared/overview</p>	<p>2 hours 3 minutes</p>	<p>In this course "Project on AutoCAD - Electrical Power Demand Calculation" learners will look into the realm of electrical engineering through AutoCAD. By focusing on a practical project, learners will gain hands-on experience in calculating power demands for electrical systems. Through step-by-step guidance, learners will utilize AutoCAD to create accurate and detailed electrical schematics, incorporate load calculations, and ensure compliance with industry standards. This course empowers learners to understand the nuances of power distribution and demand estimation, honing their skills in a real-world context. Whether an aspiring electrical engineer or a professional looking to refine expertise, this course equips learner with the knowledge to proficiently perform power demand calculations using AutoCAD</p>
---	--	----------------------------	--	------------------------------	--

MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme

3	AutoCAD Case Study - Power Distribution Layout for Commercial Kitchen	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384338739362201637145_shared/overview	2 hours 8 minutes	AutoCAD Case Study - Power Distribution Layout for Commercial Kitchen offers an immersive and transformative learning experience, guiding participants through the process of designing power distribution layouts for commercial kitchens using AutoCAD. The course commences with an introduction to electrical load analysis and an overview of essential AutoCAD tools and features for electrical design. Participants will delve into equipment placement techniques, learning how to strategically position electrical devices and appliances for efficient power distribution. The course covers electrical circuit design, enabling participants to create organized and well-structured circuits to handle the power loads of commercial kitchen equipmen
---	--	---------------------	---	----------------------	--

MSBTE
Approval
Dt.
01/10/2024
Semester
- 2, K
Scheme

4	Electronics Course	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01373779399397376019/overview	1 hour 26 minutes	<p>Today, children around the world have access to laptops, desktops, and smartphones. Knowing that the future is becoming synonymous with technology, it has become more important that our young minds become active consumers, and contribute to technology in the right manner, instead of staying mere passive users. In this course, we'll learn the most important electrical engineering concepts</p>
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

5	Assembling and Cabling Devices	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384786255477964855134_shared/overview	2 hours	<p>The one and only energy source for our advanced civilization is electricity which is carried to every point of requirement via the cables. With the increase of electrical appliances in the domestic and commercial world, the volume of cables has increased manifold. It has become really necessary to understand and manage the volume properly to avoid accidents and assembling crisis at the time of emergency. Moreover, the type of cables varies as per the source of power and device which they are connected to.</p> <p>The cables are used in all types of electrical devices for proper power distribution and also for communication purpose. In fact in the case of the electronic devices like computers the cables are aptly designed as per the requirement of the parts they are connected with. The insulation and jacketing, as well as the material used for conduction, are chosen with great care to serve the</p>
---	---------------------------------------	---------------------	---	---------	--

MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme	
---	--

					purpose. Other than the material, the ports which connect with the hardware should be recognized as they vary in connecting points and degree of power delivery.
6	AutoCAD Case Study - Solar Electric Panel Design	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384206370179481611614_shared/overview	1 hour 35 minutes	The project "Solar Electric Power System Design" provides an introduction to designing a solar electric power system. It covers the design of solar electric panels using AutoCAD, including the layout and positioning of panels for optimal energy generation. The project also focuses on designing the power generation cable system to efficiently transmit the generated electricity. Additionally, learners will learn how to calculate the battery capacity needed to store the solar-generated power effectively..
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

7	ELECTRICITY		https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_0136212072611512328893/overview	1 hour 58 minutes	
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

8	AutoCAD Case Study - Fire Alarm System Layout		https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_01384339122647859238065_shared/overview	3 hour 8 minutes	"AutoCAD Project - Fire Alarm System Layout" is a practical course that immerses learners in designing fire alarm system layouts using AutoCAD, a powerful computer-aided design software. This course likely covers aspects such as understanding fire safety regulations, creating accurate floor plans, placing fire alarm devices, and integrating symbols and annotations. Participants will learn how to translate fire safety requirements into detailed and precise AutoCAD drawings. Through hands-on exercises and real-world scenarios, this course empowers learners to master the art of designing effective fire alarm system layouts, making it a valuable resource for architects, engineers, and professionals in the field of building safety and design
Program Group: Electronics					
1	ESim - EDA tool for circuit design, simulation, analysis and PCB design	SWAYAM , AICTE sponsored	https://onlinecourses.swayam2.ac.in/aic20_sp59/ preview	4 week	self-learn eSim - EDA tool is used for circuit design, simulation, analysis and PCB design
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

2	Python for Data Science-	SWAYAM , AICTE sponsored	https://onlinecourses.nptel.ac.in/noc25_cs60/preview	4 weeks	python programming for solving data science problems.
3	Electronic & Electrical Devices Maintenance&Troubleshooting	Udemy Online courses	https://www.udemy.com/course/electronic-electronics-maintenance-electronic-devices-maintenance/?srsltid=AfmBOop0wgNf9R5kWcZUA7pf5Vb7TPYx9xjSL-LR1zqc9pMsX981xn7A&couponCode=ACCAGE0923	4 weeks	Understand the basic concepts of voltage, resistance and current, use of DMM and tools, Practical Troubleshooting and Maintenance of Electronic Devices
4	Python Programming - Comprehensive Training	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_0138417419204935682483_shared/overview	4 weeks	It covers essential concepts such as syntax, list, string, loops, files, GUI. Students will be able to build their own System programs, and basic malware testing programs.
5	Internet of Things 201	Infosys Springboard	https://infyspringboard.onwingspan.com/web/en/app/toc/lex_auth_0129563012988354561318_shared/overview	4 weeks	This course provides practical insights about Raspberry Pi DIY Boards to create IoT usecases and IoT PoCs.
6	Arduino Robotics Part-I	https://easyshiksha.com/online_courses	https://easyshiksha.com/online_courses/arduino-robotics-part-i	4 weeks	introduction to the exciting field of robotics and to gain practical experience in building and programming robots.
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

7	Microcontroller Embedded C Programming: Absolute Beginners	https://easyshiksha.com/online_courses/	https://easyshiksha.com/online_courses/microcontroller-embedded-c-programming-absolute-Beginners	4 weeks	<p>This course provides a 'hardware-free' introduction to embedded software for students who:</p> <p>? Already know how to write software for 'desktop' computer systems.</p> <p>? Are familiar with a C-based language (Java, C++ or C).</p> <p>? Want to learn how C is used in practical embedded systems.</p>
8	Certificate Course in Internet of Things (IoT)	National Institute of Electronics & Information Technology, Kohima,	https://nielit.gov.in/kohima/content/short-term-courses-22	4 weeks	Introduction to IOT & embedded system, Projects using Arduino Uno and ESP-32:
Programme Group-Mechanical Engineering					
1	Robot Design and Developemnet	AICTE	https://neat.aicte-india.org/course-details/NEAT20221206_PROD_1	5 Hr	This course will help student to equip swith the fundamental skills and practical knowledge required to control robots and its part for real-world applications.
2	GD & T	AICTE	https://neat.aicte-india.org/course-details/NEAT2020616_P ROD_3	5 Hr	This course will provide students with the knowledge and skills to interpret, apply, and analyze Geometric Dimensioning and Tolerancing (GD&T) standards used in engineering design and manufacturing.
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

3	CAD using Autodesk Inventor	AICTE	https://neat.aicte-india.org/course-details/NEAT2020621_P ROD_1	5 Hr	This course will enable students to create, modify, analyze, and optimize engineering designs using industry-standard CAD software, preparing them for roles in design and manufacturing.
4	Fundamentals of Fixture Designing Concepts for CNC Machining Application	AICTE	https://neat.aicte-india.org/b2b-course-details/NEAT2020616_P ROD_9	5 Hr	Fixture design is a vital part of New Product development cycle. To design and manufacturing the fixture need a lot of skillset and in-depth understanding of CNC machining process and Locating / Clamping Principles.
5	Electrical Vehicle engineering	AICTE	https://neat.aicte-india.org/course-details/NEAT2020627_P ROD_1	5 Hr	The electrical vehicle certification course is a Workshop Integrated Learning Program designed for students or professionals aspire to work or working in automotive, auto-component, design and manufacturing sector and aim to develop the required skills to build and sustain future automobiles. The program has a special emphasis on concepts such as Vehicle dynamics,

Programme - Diploma in Hotel Management and Catering Technology

**MSBTE
Approval
Dt.
01/10/2024
Semester
- 2, K
Scheme**

1	Food & Beverage Management	https://www.coursera.org/learn/food-beverage-management Università Bocconi	13 hours	The objective of this course is twofold: first, it will focus on contemporary challenges that managers and entrepreneurs in food and beverage businesses should be able to face; and second, will provide models and tools to design and implement appropriate courses of action to satisfy customers and build an advantage over the competition. This course is made up of four modules and an introduction, each exploring one dilemma that food and beverage companies face.
2	Bar and Beverage Service Paid 1499	G O BPO Services Private Limited	https://www.skillindiadigital.gov.in/courses/detail/aa9e320a-729b-44a7-9899-af61d8b75cbb	27 Hours This course provides essential training in bar and beverage service. It includes bar opening procedures, equipment cleaning, and setting up the bar. Students will learn to prepare and serve juices, shakes, and alcoholic beverages, including handling wine and beer service. The course also covers managing intoxicated guests and maintaining a professional bar environment.
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme				

3	Digital Marketing Strategy	Institution:EdinburghX	https://www.edx.org/learn/digital-marketing/the-university-of-edinburgh-digital-marketing-strategy	08 Weeks	<p>Digital marketing is a major component of marketing today. This course will equip you with practical digital marketing skills to help you build your business.</p> <p>You will learn about the digital marketing landscape and how digital technologies can be used to help businesses identify opportunities and minimize risk. Case studies will be used to demonstrate how digital supports business objectives, and how it can set enterprise apart.</p>
4	Counter Sales Executive - Tourism & Hospitality	Tourism & Hospitality Skill Council	https://www.skillindiadigital.gov.in/courses/detail/91f96304-4601-4568-84ec-4a994d2eb6f5	07 Hrs.	<p>The individual at work receives guests, answers their queries, takes down their orders, handle online food and beverage orders, transfers orders to the kitchen, instructs the kitchen staff, serves guests, ensures timely delivery of the order to the customer and maintains the QSR as per organizational policy.</p>
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					

5	Front Desk and Telephone Operations (Paid 1499/-)	G O BPO Services Private Limited	https://www.skillindiadigital.gov.in/courses/detail/1c311296-a77f-4c7c-8360-9a0bfd25958c	20 Hrs.	Training in reception and front office executive. Under Reception Duties we would cover areas like Pre-shift briefings. Efficiently handle reservations, check-ins, room changes, and guest records. Manage room extensions, group check-ins, and VIP service
MSBTE Approval Dt. 01/10/2024 Semester - 2, K Scheme					