SWAMI VIVEKNANDA INSTITUTE OF SCIENCE & TECHNOLOGY

Trainings that are regularly conducted throughout the year from 1st to 4th year for upgrading skills of students and for their upskilling and job readiness

Sl. No.	Dept	Training Name	Duration of training (Hrs)	Offered to Students
1	CSE & AIDS	Problem solving using C	30	1st Year
2	CSE & AIDS	Hands on Training on C	30	1st Year
3	CSE & AIDS	Training Program on Python Programming	30	2nd Year
4	CSE & AIDS	Python Programming	30	1st Year
5	CSE & AIDS	MEAN Stack Development using Angular & MongoDB	30	3rd & 4th year
6	CSE & AIDS	Next Generation Modern Web Development with node js	30	3rd & 4th year
7	CSE & AIDS	Skill Development Training on Web Development using Python Django	32	2nd Year
8	CSE & AIDS	Skill Development Training on Machine Learning using Python	32	3rd & 4th year
9	CSE & AIDS	Python	30	3rd & 4th year
10	CSE & AIDS	Web Development (HTML, CSS, JS)	30	3rd & 4th year
11	CSE & AIDS	AI-ML	30	3rd & 4th year
12	CSE & AIDS	Ethical Hacking	30	3rd & 4th year
13	CSE & AIDS	Javascript	30	3rd & 4th year
14	CSE & AIDS	Generative AI	30	3rd & 4th year
15	CSE & AIDS	Machine Learning with Python	30	3rd & 4th year
16	CSE & AIDS	MERN Stack	30	3rd & 4th year
17	CSE & AIDS	Data Analysis with Power BI	30	3rd & 4th year
18	CSE & AIDS	Aptitude Training	30	3rd & 4th year
1	ECE	ADD-ON COURSE ON Advanced C Programming	35	1st Year
2	ECE	Beginner's Guide to Competitive Programming using Python	36	2nd Year
3	ECE	ADD-ON COURSE ON ARDUINO PROGRAMMING USING 'C'	35	2nd Year
4	ECE	ADD-ON COURSE ON Embedded Systems and Robotics	35	2nd Year

5	ECE	ADD-ON COURSE ON VLSI DESIGN AND VHDL PROGRAMMING	35	3rd Year
6	ECE	MACHINE LEARNING USING PYTHON (For 2nd and 3rd Year)	35	3rd Year
7	ECE	Introduction to Cloud Development with HTML, CSS, and JavaScript	35	3rd Year
8	ECE	Integrated Workshop on Basic VLSI Design and Coding	30	3rd Year
9	ECE	Introduction to Deep learning	35	3rd Year
10	ECE	Handson Training on Matlab	30 hrs.	2nd Year & 3rd Year
11	ECE	Handson Training on OriginPro	30 hrs.	2nd Year & 3rd Year
12	ECE	Handson Training on R and Python	30 hrs.	2nd Year & 3rd Year
13	ECE	Add-on Course on Embedded System Design	30 hrs.	2nd Year & 3rd Year
14	ECE	Aptitude Training	30	3rd & 4th year
1	EEE	5 Days Workshop on House Wiring Phase-1	30	2nd & 3rd Year
2	EEE	5 Days Workshop on House Wiring Phase-2	30	2nd & 3rd Year
3	EEE	PLC Automation Training with Industry Collaboration- Basic Course	150	3rd & 4th Year
4	EEE	PLC Automation Training with Industry Collaboration- Advance Course	150	3rd & 4th Year
5	EEE	Industry Traning on Recent Trained and Safety in Mining Industry	30	3rd & 4th Year
6	EEE	Training on Design and Implementation of Electrical and Electronics Appliances for Domestic Purpose.	30	3rd & 4th Year
7	EEE	Skill Development Training on Residential Waring and Protective Earth System	30	3rd & 4th Year
8	EEE	Training on Design and Maintenance of Domestic Appliances	30	All Year
9	EEE	AutoCAD Basic to Pro	90	2nd to 4th Year
10	EEE	Aptitude Training	30	3rd & 4th year
11	EEE	ML with Python	60	3rd & 4th year
1	ME	Short Term Course on Mechatronics	30	3rd & 4th Year
2	ME	Add-on course on Fundamental Concept of Fluid Mechanics & Hydraulic Machines	30	2nd to 4th Year
3	ME	Add-on course on Maintenance Welding	30	2nd to 4th Year
4	ME	workshop on Pump Repair and Maintenance	30	2nd to 4th Year
5	ME	Add-on course on Theory and Practices of Welding Processes	40	2nd to 4th Year

6	ME	Add-on course on Fundamentals of Robotics	30	3rd & 4th Year
7	ME	Add-on course on Fundamental of Refrigeration and Airconditioning	30	3rd & 4th Year
8	ME	Add-on course on Testing and Characterization of Engineering Materials	30	2nd to 4th Year
9	ME	Hands on training on Different Machine Tools Operations and Maintenance	30	3rd & 4th Year
10	ME	Training on Advanced CAD and CAE	30	2nd to 4th Year
11	ME	Robotics Training Courses	30	3rd & 4th Year
12	ME	Add-on course on Fundamental Concept of Fluid Mechanics & Hydraulic Machines	30	2nd to 4th Year
13	ME	Add-on course on Maintenance Welding	30	2nd to 4th Year
14	ME	Empowering Mechanical Engineers: Integrating CAD and Machine Learning for Innovative Design and Automation	40	1st to 4th Year
15	ME	AutoCAD Basic to Pro	30	2nd to 4th Year
16	ME	Assembly & Manufacturing of Mechanically Operated Power Press Machine	30	2nd to 4th Year
17	ME	Hands on Training on 3D Printing	30	2nd to 4th Year
18	ME	Hands on Training on Robotics	30	2nd to 4th Year
19	ME	Aptitude Training	30	3rd & 4th year
1	CE	Add-on course on multi criteria decision making (MCDM)	30	3rd & 4th Year
2	CE	Add-on course on STAAD PRO V8i SS5	30	3rd & 4th Year
3	CE	Add-on course on STAAD PRO V8i SS6 and ETABS - (Part 1)	30	3rd & 4th Year
4	CE	Competitive Proficiency enhancement course in Civil Engineering	30+	2nd to 4th Year
5	CE	Mordern Drawing Technique using AI enhanced Web server & Creating Rendering Through your Smartphone (Android)	30	3rd & 4th Year
6	CE	Smart Planning and Mobile Centric 3D Visualization	10 hrs	2nd year to 4th year
7	CE	Revit Architecture	30 hrs	4th year
8	CE	Soil Bearing Capacity	10 hours	3rd year and 4th year
9	CE	Tools of Survey and Geometrics using Sattellite Images and ARC GIS	10 hrs	2nd year
10	CE	Geo-Agri-Tech: Industrial Training on Soil, Rock & Water Resources Engineering	10hrs	2nd year to 4th year
11	CE	Industrial Training on Railway , Highway and Bridge Construction undertaken in and around Dankuni under the supervision of IRB Infrastructure PVT.	6hrs	2nd year to 4th year
12	CE	Finite Element Techniques using ANSYS Workbench & ABAQUS	14hrs	3rd year and 4th year
13	CE	Structural Analysis & Design using STAAD.Pro	14 hrs	3rd year and 4th year
14	CE	Workshop on Total Station	10 hrs	1st year to 4th year
15	CE	Aptitude Training	30	3rd & 4th year
16	CE	AutoCAD Basic to Pro	30	2nd to 4th Year