

SHRI VISHWAKARMA SKILL UNIVERSITY
(Enacted by the Act 25 of 2016, State of Haryana)
DUDHOLA, PALWAL



B. Voc. (Mechanical Manufacturing) with SKH Metals.

Duration of the course: 3 Years (6 Semesters)

Session: 2020-2023



Total Intake for Course :60
Students Group A- 30 Students
Group B-30 Students

Group A will be in Classroom in their Ist Semester and Group B will be on OJT after completion of one month classes. In 2nd Semester Group B will be in Classroom and Group A will be on OJT.

Same will be applicable for 3rd to 6th semester.

Group-A Scheme

Semester-I															
Category	Subject Code	Subject Name	Credits			Marks							Hrs		
						Theory			Practical			Total			
			T	P	TO	I	E	TO	I	E	TO	(T+P)	T	P	TO
General Education Component	ENG-501 ENG-501L	Communication Skills	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-505 ME-505L	Workshop Technology	3	1	4	15	35	50	35	15	50	100	45	30	75
	MTH-501	Applied Mathematics	4	0	4	30	70	100	-	-	-	100	60	-	60
	CSE-501 CSE-501L	Fundamental of Computers	3	1	4	15	35	50	35	15	50	100	45	30	75
	IMS-501 IMS-501L	Fundamental of Industrial Management and Safety	3	1	4	15	35	50	35	15	50	100	45	30	75
	Total		16	4	20	90	210	300	140	60	200	500	240	120	360
Skill Education Component	ME-502L	Fundamentals of CNC Machines Lab	0	4	4	0	0	0	70	30	100	100	0	120	120
	ME-503 ME-503L	Measurement and Metrology	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-501L	Engineering Graphics and Drawing Lab	0	4	4	0	0	0	70	30	100	100	0	120	120
	Total		3	9	12	15	35	50	175	75	250	300	45	270	315
	Grand Total		19	13	32	105	245	350	315	135	450	800	285	390	675



Semester-II															
Category	Subject Code	Subject Name	Credits			Marks							Hrs		
						Theory			Practical			Total			
			T	P	TO	I	E	TO	I	E	TO	(T+P)	T	P	TO
General Education Component	OET-503	* MOOC/ Online Course-I (Manufacturing Process Technology I & II)	2	0	2	30	70	100	0	0	0	100	30	0	30
	OMS -501	Entrepreneurship (* MOOC/ Online Course-II)	2	0	2	30	70	100	0	0	0	100	30	0	30
	Total		4	0	4	60	140	200	0	0	0	200	60	0	60
Skill Education Component	OJT-501	On Job Training (OJT)	0	24	24	0	0	0	245	105	350	350	0	1080	1080
	Total		0	24	24	0	0	0	245	105	350	350	0	1080	1080
	Grand Total		4	24	28	60	140	200	245	105	350	550	60	1080	1140

*Note: Relevant MOOC /Online Course will be offered as per the availability

Job Roles: Level5

Auto Component Assembly Fitter-

ASC/Q3701 Welding Technician-

ASC/Q3503

Machining Technician-

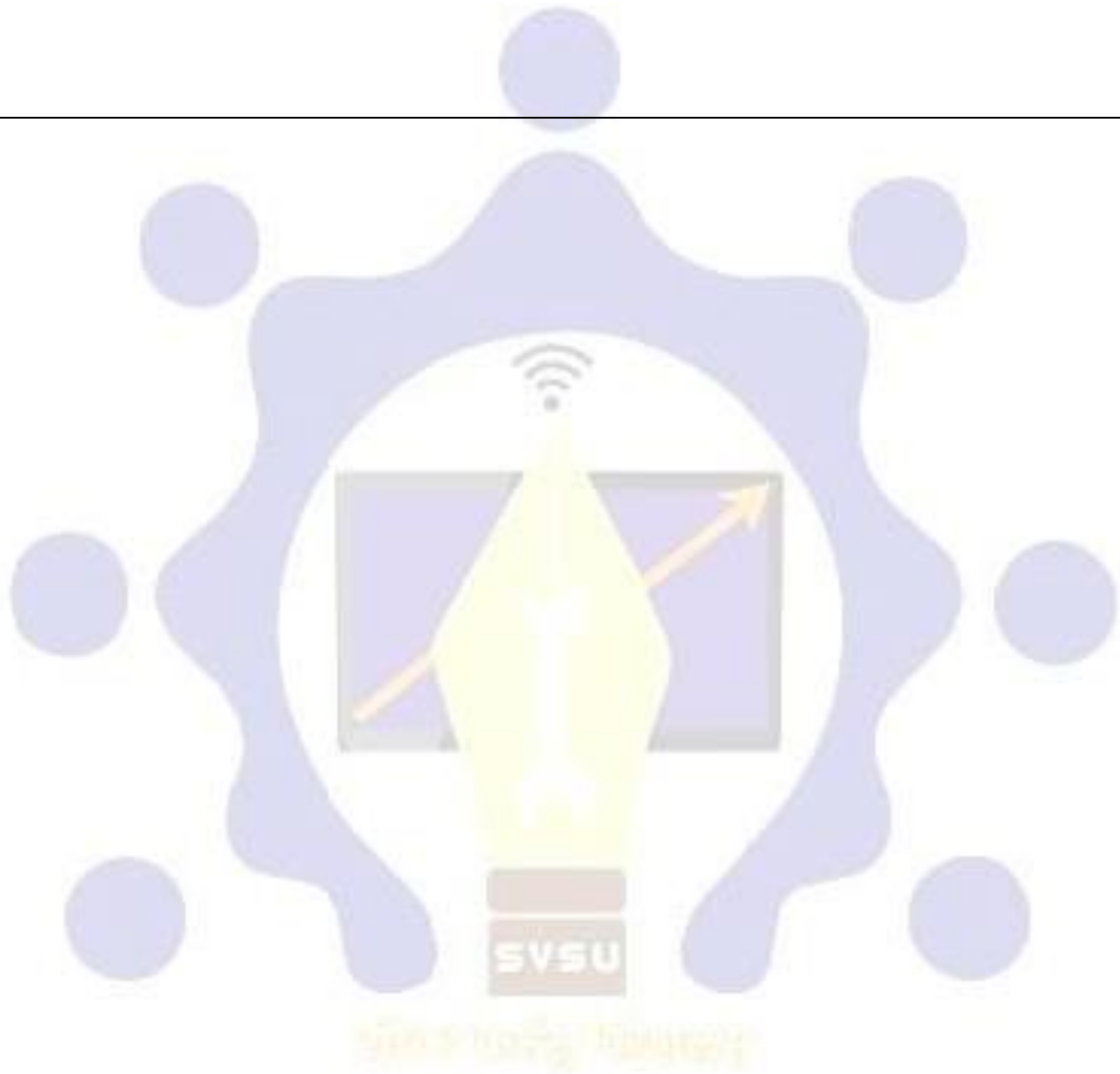
ASC/Q3503 Painting

Supervisor- ASC/Q3305 PDI

Supervisor- ASC/ Q 1107

Press Shop Supervisor- ASC Q/3404

Semester-III															
Category	Subject Code	Subject Name	Credits			Marks							Hrs		
						Theory			Practical			Total			
			T	P	T O	I	E	TO	I	E	TO	(T+P)	T	P	TO
General Education Component	PHY-601 PHY-601L	Applied Physics	3	1	4	15	35	50	35	15	50	100	45	30	75
	EE-501 EE-501L	Basics of Electrical and Electronics Engineering	3	1	4	15	35	50	35	15	50	100	45	30	75
	IMS-601	Quality control and Reliability engineering	4	0	4	30	70	100	0	0	0	100	60	0	60
	ME-603 ME-603L	Automobile Engineering	3	1	4	15	35	50	35	15	50	100	45	30	75
	EVS-601	EVS	4	0	4	30	70	100	0	0	0	100	60	0	60
	Total I		17	3	20	105	245	350	105	45	150	500	255	90	345
Skill Education Component	ME-601L	CAD Lab	0	4	4	0	0	0	70	30	100	100	0	120	120
	MTE-601 MTE-601L	Basics of Mechatronics	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-602L	CNC Machines Programming Lab	0	4	4	0	0	0	70	30	100	100	0	120	120
	Total		3	9	12	15	35	50	175	60	250	300	45	270	315
	Grand Total		20	12	32	120	280	400	245	105	350	750	300	360	660



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Semester-IV															
Category	Subject Code	Subject Name	Credits			Marks							Hrs		
						Theory			Practical			Total			
			T	P	TO	I	E	TO	I	E	TO	(T+P)	T	P	TO
General Education Component		*MOOC/ Online Course- III	2	0	2	30	70	100	0	0	0	100	30	0	30
		Value Education & Professional ethics (MOOC/ Online Course- IV)	2	0	2	30	70	100	0	0	0	100	30	0	30
		Total	4	0	4	60	140	200	0	0	0	200	60	0	60
Skill Education Component	OJT-601	On Job Training (OJT)	0	24	24	0	0	0	245	105	350	350	0	1080	1080
		Total	0	24	24	0	0	0	245	105	350	350	0	1080	1080
		Grand Total	4	24	28	60	140	200	245	105	350	550	60	1080	1140

*Note: Relevant MOOC/Online Course will be offered as per the availability

Job Role: Level 6

Master Welder- ASC/Q3105

Assembly Line Machine Setter-

ASC/Q6504 Incharge Material Testing-

ASC/Q6504

PDI In charge-- ASC/ Q 1108

Press Shop Line-In Charge- ASC Q/3405

**Semester-
V**

Category	Subject Code	Subject Name	Credits			Marks							Hrs		
						Theory			Practical			Total			
			T	P	TO	I	E	TO	I	E	TO	(T+P)	T	P	TO
General Education Component	MSE-701 MSE-701L	Material Science and Heat Treatment	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-605 ME-605L	Hydraulics and Pneumatics	3	1	4	15	35	50	35	15	50	100	45	30	75
	IMS-701	Work Study and Ergonomics	4	0	4	30	70	100	0	0	0	100	60	0	60
	RA-602 RA-602L	Industrial Robotics and Material Handling Systems	3	1	4	15	35	50	35	15	50	100	45	30	75
	CSE-701 CSE-701L	Industry4.0	3	1	4	15	35	50	35	15	50	100	45	30	75
	Total		16	4	20	90	210	300	105	60	200	500	240	120	360
Skill Education Component	ETP-701L	Project	0	4	4	0	0	0	70	30	100	100	0	120	120
	ME-702 ME-702L	Computer Integrated Manufacturing	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-703L	CAD –II/ Solidworks / CATIA Lab	0	4	4	0	0	0	70	30	100	100	0	120	120
	Total		3	9	12	15	35	50	175	75	250	300	45	270	315
Grand Total			19	13	32	105	245	350	280	135	450	800	285	390	675



Semester- VI															
Category	Subjec t Code	Subjec t Name	Credits			Marks							Hrs		
						Theory			Practical			Total			
			T	P	TO	I	E	TO	I	E	TO	(T+P)	T	P	TO
General Education Component		*MOOC / Online Course-V	2	0	2	30	70	100	0	0	0	100	30	0	30
		Consum er Affairs (MOOC/ Online Course-VI)	2	0	2	30	70	100	0	0	0	100	30	0	30
	Total		4	0	4	60	140	200	0	0	0	200	60	0	60
Skill Education Component	OJT-701	On Job Trainin g (OJT)	0	24	24	0	0	0	245	105	350	350	0	1080	1080
	Total		0	24	24	0	0	0	245	105	350	350	0	1080	1080
	Grand Total		4	24	28	60	140	200	245	105	350	550	60	1080	1140

*Note: Relevant MOOC /Online Course will be offered as per the availability

Job Roles: Level-7

Manager Customer Quality :

ASC/Q6304 Manager Manufacturing Quality

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