

SHRI VISHWAKARMA SKILL UNIVERSITY

(A STATE GOVT SKILL UNIVERSITY ESTABLISHED BY GOVT.OF HARYANA)

Name of the Skill Faculty: Skill Faculty of Engineering & Technology

Name of the Programme/Course: D. Voc. (Mechanical- Manufacturing)

Industry Partner: Roop Auto

Duration of the course: 6 Semesters/3 Years

As per the modality of the course, the students admitted in the course are divided in to two groups (i.e. Group- A and Group- B). One group join OJT and completes two MOOC course (on-line mode) while other group join SVSU to attend regular classes (full time) with the details as;

Semester	Group- A	Group- B	Session
1 st	SVSU	OJT	Aug. 2020
2 nd	OJT	SVSU	Jan. 2021
3 rd	SVSU	OJT	Aug. 2021
4 th	OJT	SVSU	Jan. 2022
5 th	SVSU	OJT	Aug. 2022
6 th	OJT	SVSU	Jan. 2023

Credit Allocation:

Type	No. of hrs.	Credit
Theory	15	1
Practical	30	1
On-the-Job Training (OJT)	45	1

Group-A: Scheme and Syllabus

Group-B: Scheme and Syllabus

Scheme & Syllabus

(Session:2020-2023)

(Group-A)

TEACHING SCHEME FOR FIRST SEMESTER															
Category	Subject Code	Subject Name	Credits			Marks							Total hrs. per course		
						Theory			Practical			Total (T+P)			
			Th .	Pr .	To .	Int .	Ext .	To.	Int .	Ext .	To.		Th.	Pr.	To.
Skill Education Component (SEC)	ME-302L	Workshop Practice lab	-	4	4	-	-	-	70	30	100	100	-	120	120
	IMS-302 IMS-302L	Inspection & Quality Control	3	1	4	15	35	50	35	15	50	100	45	30	75
	*ME-301L	Engineering Graphics and Drawing	-	4	4	-	-	-	70	30	100	100	-	120	120
	SEC Total		3	9	12	15	35	50	175	75	250	300	45	270	315
General Education (GEC)	ENG-301 ENG-301L	Language (English)	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-303, ME-303L	Workshop Technology	4	-	4	30	70	100	-	-	-	100	60	-	60
	MTH-301	Applied Mathematics	4	-	4	30	70	100	-	-	-	100	60	-	60
	CSE-301 CSE-301L	Basics of Computer	3	1	4	15	35	50	35	15	50	100	45	30	75
	IMS-301 IMS-301L	Fundamental of Industrial Management	3	1	4	15	35	50	35	15	50	100	45	30	75
	GEC Total		17	3	20	90	210	300	105	45	150	500	255	90	345
	Grand Total		20	12	32	105	245	350	280	120	400	800	300	360	660

*Engineering Graphics & Drawing (ME-301L) will be treated as a special case of Practical. The sessional test will be conducted similar to theory subjects but external exam. will not be conducted (as it is practical).

SHRI VISHWKARMA SKILL UNIVERSITY, PALWAL

TEACHING SCHEME FOR SECOND SEMESTER															
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	MC-301	*MOOC/ Online Course-I (Total Quality Management-1)	2	-	2	30	70	100	-	-	-	100	30	-	30
	EM-301	Entrepreneurship management (MOOC/ Online Course-II)	2	-	2	30	70	100	-	-	-	100	30	-	30
	Total		4	-	4	60	140	200	-	-	-	200	60	-	60
Skill Education Component	OJT-301	On Job Training (OJT)	-	24	24	-	-	-	245	105	350	350	-	1080	1080
	Total		-	24	24	-	-	-	245	105	350	350	-	1080	1080
	Grand Total		4	24	28	60	140	200	245	105	350	550	60	1080	1140

Job Role: Level-3 (After 1st Year of completion)

Machining and quality Technician (ASC/Q3509)

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TEACHING SCHEME FOR THIRD SEMESTER															
Category	Subject Code	Subject Name	Credits			Marks							Total hrs. per course		
						Theory			Practical			Total (T+P)			
			Th .	Pr .	To .	Int .	Ext .	To.	Int .	Ext .	To.		Th.	Pr.	To.
Skill Education Component (SEC)	ME-401L	CAD lab	-	4	4	-	-	-	70	30	100	100	-	120	120
	ME-404 ME-404L	CNC machines & Automation	4	-	4	30	70	100	-	-	-	100	60	-	60
	ME-502L	Fundamentals of CNC machines	-	4	4	-	-	-	70	30	100	100	-	120	120
	SEC Total		4	8	12	30	70	100	140	60	200	300	60	240	300
General Education Component (GEC)	EE-401 EE-401L	Basics of Electrical and Electronics Engg.	3	1	4	15	35	50	35	15	50	100	45	30	75
	PHY-401 PHY-401L	Applied Physics	3	1	4	15	35	50	35	15	50	100	45	30	75
	IMS-401	Estimating & Costing	4	-	4	30	70	100	-	-	-	100	60	-	60
	EVS-401	EVS	4	-	4	30	70	100	-	-	-	100	60	-	60
	ME-403 ME-403L	Applied Mechanics	3	1	4	15	35	50	35	15	50	100	45	30	75
	GEC Total		17	3	20	105	245	350	105	45	150	500	255	90	345
	Grand Total		21	11	32	135	315	450	245	105	350	800	315	330	645

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TEACHING SCHEME FOR FOURTH SEMESTER															
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	MC-401	*MOOC/ Online Course-III/ Manufacturing Process Technology I and II	2	-	2	30	70	100	-	-	-	100	30	-	30
	MC-402	*MOOC/ Online Course-IV/Industrial best practices	2	-	2	30	70	100	-	-	-	100	30	-	30
	Total		4	-	4	60	140	200	-	-	-	200	60	-	60
Skill Education Component	OJT-401	On Job Training (OJT)	-	24	24	-	-	-	245	105	350	350	-	1080	1080
	Total		-	24	24	-	-	-	245	105	350	350	-	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-4 (After 2nd Year of completion)

Machining Technician/ CNC Operator (ASC/Q3503)

SHRI VISHWKARMA SKILL UNIVERSITY, PALWAL

TEACHING SCHEME FOR FIFTH SEMESTER															
Category	Subject Code	Subject Name	Credits			Marks							Total hrs. per course		
						Theory			Practical			Total			
			Th .	Pr .	To .	Int .	Ext .	To.	Int .	Ext .	To.	(T+P)	Th.	Pr.	To.
Skill Education Component (SEC)	ME-501L	CAD/ CAM	-	4	4	-	-	-	70	30	100	100	-	120	120
	ME-502	Introduction to Jigs & Fixtures	4	-	4	30	70	100	-	-	-	100	60	-	60
	ME-503L	CNC Programing lab	-	4	4	-	-	-	70	30	100	100	-	120	120
	SEC Total		4	8	12	30	70	100	140	60	200	300	60	240	300
General Education Component (GEC)	ME-504 ME-504L	Materials and Metallurgy	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-505 ME-505L	Hydraulics & Pneumatics	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-506	Plant Maintenance & Material Handling	4	-	4	30	70	100	-	-	-	100	60	-	60
	ME-507 ME-507L	Fabrication Processes	3	1	4	15	35	50	35	15	50	100	45	30	75
	ME-508 ME-508L	Strength of Materials	3	1	4	15	35	50	35	15	50	100	45	30	75
	GEC Total		16	4	20	90	210	300	140	60	200	500	240	120	360
	Grand Total		20	12	32	120	280	400	280	120	400	800	300	360	720

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TEACHING SCHEME FOR SIX SEMESTER													
Category	Subject Name	Credits			Marks						Hrs		
					Theory			Practical					
		T	P	TO	I	E	TO	I	E	TO	T	P	TO
General Education Component (GEC)	Project (Live) (PRO-501)	-	4	4	-	-	-	70	30	100	-	120	120
	GEC Total	-	4	4	-	-	-	70	30	100	-	120	120
Skill Education Component (SEC)	OJT (OJT-501)	-	24	24	-	-	-	245	105	350	-	1080	1080
	SEC Total	-	24	24	-	-	-	245	105	350	-	1080	1080
Grand Total		-	28	28	-	-	-	315	135	450	-	1200	1200

Job Roles (After 3rd Year of completion):

Machine Shop Supervisor (ASC/Q3505)