Vivekanand College, Kolhapur (Empowered Autonomous) Department of B.Voc. Foundry Technology

Credit Framework under Three/Four- Years UG Programme Department/Subject Specific Core or Major (DSC)

Level	Semester	1-Major		2-Minor	4-VSEC		5-AEC, VAC, VEC,IKS		6-OJT,FP,CEP,CC,RP				
		Major DSC DSE		Minor MIN	IDC/MDC/ OE/GE OEC	VSC/SEC	AEC (Language)	Value Education Courses (VEC)	IKS	CC	Summer Internship/ Field Project /OJT/CEP	Research Project / Dissertation	Total Credits
4.5	ı	DSC-I (2) Moulding Technology DSC-PR-I (4) Sand Testing DSC-PR-II (4) Mould Preparation Technique	DJE	MIN-I (2) Pattern Construction Technology MIN-PR-I (4) Pattern Making Technique	OEC-I (4) 2D CAD-I	VSC-I(4) Engineering Graphics – I	AEC-I (2) English For Business Communicat ion-I	VEC-1 (2) Democracy, Election & Good Governance	IKS (2) History of Engineering Materials				
	Credits	10	l .	6	4	4	2	2	2			-	30
	II	DSC-II (2) Melting Technology DSC-PR-III(4) Advance Sand Testing DSC-PR-IV (4) Charge Calculations in Melting		MIN-II (2) Casting Processes MIN-PR-II (4) Methods in Casting Processes	OEC-I I(4) 2D CAD-II	VSC-II (4) Engineering Graphics –II SEC-I(2) Gating System and Risering	AEC-II (2) English For Business Communicat ion-II			CC-I (2) Disaster Management			
	Credits	10		6	4	6	2	•	-	2		-	30
Cun	year nulative redits	20		12	8	10	4	2	2	2	-	-	60
5.0	III	DSC-III (2) Physical Metallurgy-I DSC-IV (2) Iron Casting Production DSC-PR-V (4) Metallographic Testing DSC-PR-VI(4) Sample Preparation		MIN-III (2) Fuel, Furnaces and Refractories MIN-PR-III(4) Furnace Selection Technique	OEC-III (4) 3D CAD-I	VSC-III (4) Machine Drawing	AEC-III (2) Financial Accounting	VEC-II (2) Environmental Studies-I					
	Credits	12		6	4	4	2	2				-	30

	IV Overlite	DSC-V (2) Physical Metallurgy-II DSC-VI (2) Testing and Inspection Techniques DSC-VII (4) Mechanical Testing -I DSC-PR-VIII (4) Mechanical Testing -II		MIN-IV (2) Steel Casting Production MIN-PR-IV(4) Heat Treatment Processes	OEC-IV (4) 3D CAD-II	VSC-IV (4) Non-Ferrous Casting Production		VEC-III (2) Environmental Studies-II					
	Credits	12		6	4	4	2	2				-	30
Cum	d year nulative redits	24		12	8	8	4	4					60
	v	DSC-VII (2) Quality Control DSC-PR-IX (4) Quality Control Tools	DSE-I (2) Secondary Steel Making DSE-PR- I(4) Advanced Metal Testing -I	MIN-V (2) Entrepreneurship Development MIN-PR-V (4) Business Report	-			-		-	Internship-I (4)	FP-I (8) Project-I	
5.5	Credits		6	6	-			-			4	8	30
	VI	DSC-VIII (2) Fracture Mechanics and Failure Analysis DSC-PR-X(4) Identification Of Failures In Casting	DSE-II (2) Welding and Salvaging Processes DSE-PR- II(4) Advanced Metal Testing -II	MIN-VI (2) Non Destructive Techniques MIN-PR-VI (4) Defects Analysis-II	-			-		-	Internship-II (4)	FP-II (8) Project -II	
	Credits	6	6	6				-			4	8	30
Cui	rd year mulative Gredits	12	12	12	-	-	-	-	-	-	8	16	60
3-years Cumulative Credits		68 MAJ		36 Minor	16 IDC/MDC/OE/GE	16/2 VSC/SEC	8 AEC	6 VEC	2 IKS	2 CC	8 FP/OJT/CEP	16 Project	180/180

DSC	Department Specific Core
DSE	Department Specific Elective
MIN	Minor
OE	Open Elective
IDC	Inter-Disciplinary Course
MDC	Multi-Disciplinary Course
GE	Generic Elective
OEC	Open Elective Course
SEC	Skill Enhancement Course
VSC	Vocational Skill Course
AEC	Ability Enhancement Course
VEC	Value Education Course

OJT	On-Job Training
FP	Field Project
CEP	Community Engagement Programme
CC	Co-curricular Courses
RP	Research Project
VAC	Value Added Course