

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI B.E. in Aerospace Engineering Scheme of Teaching and Examinations 2022 Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2023-24)															
III SEMESTER															
Sl. No	Course	Course Code	Course Title	Teaching Department (TD) and Paper Setting (PSB)	Teaching Hours /Week						Examination				Credits
					Theory	Tutorial	Practica I/	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks			
													L	T	
1	PCC	BAS301	Aero Engineering Thermodynamics	TD: AS PSB: AS	3	0	0			03	50	50	100	3	
2	IPCC	BAS302	Aerospace Materials and Processes	TD: AS PSB: AS	3	0	2			03	50	50	100	4	
3	IPCC	BAS303/BAE303	Fluid Mechanics	TD: AS PSB: AS	3	0	2			03	50	50	100	4	
4	PCC	BAS304	Introduction to Aerospace Engineering	TD: AS PSB: AS	3	0	0			03	50	50	100	3	
5	PCCL	BASL305/BAEL305	Computer Aided Aircraft Drawing	TD: AS PSB: AS	0	0	2			03	50	50	100	1	
6	ESC	BAS306x	ESC/ETC/PLC	TD: AS PSB: AS	3	0	0			03	50	50	100	3	
7	UHV	BSCK307	Social Connect and Responsibility	Any Department	0	0	2			01	100	---	100	1	
8	AEC/ SEC	BAS358x	Ability Enhancement Course/Skill Enhancement Course - III		If the course is a Theory				01	50	50	100	1		
					1	0	0								
					If a course is a laboratory										
					0	0	2			02					
9	MC	BNSK359	National Service Scheme (NSS)	NSS coordinator											
		BPEK359	Physical Education (PE) (Sports and Athletics)	Physical Education Director	0	0	2				100	---	100	0	
		BYOK359	Yoga	Yoga Teacher											
										Total	550	350	900	20	

<p>PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. K : This letter in the course code indicates common to all the stream of engineering. ESC: Engineering Science Course, ETC: Emerging Technology Course, PLC: Programming Language Course</p>		
Engineering Science Course (ESC/ETC/PLC)		
BAS306A/ BAE306A	Introduction to Drone Technology	BAS306C
BAS306B/ BAE306B	Mechanism & Machine Theory	BAS306D/ BAE306D
Ability Enhancement Course – III		
BAS358A/ BAE358A	Development of Soft Skills for Engineers	BAS358C
BAS358B/ BAE358B	Ethics, Technology and Engineering	BAS358D/ BAE358D
<p>Professional Core Course (IPCC): Refers to Professional Core Course Theory integrated with practicals of the same course. Credit for IPCC can be 04 and its Teaching– Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering /Technology (B.E./B.Tech.) 2022-23 may please be referred.</p>		
<p>National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.</p>		

VARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI														
B.E. in Aerospace Engineering														
Scheme of Teaching and Examinations 2022														
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)														
(Effective from the academic year 2023-24)														
IV SEMESTER														
Sl. No	Course and Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching Hours /Week					Duration in hours	Examination			Credits	
				Theory Lecture	Tutorial	Practical / Self-Study	CIE Marks	SEE Marks		Total Marks				
				L	T	P	S							
1	PCC BAS401	Mechanics of Materials	TD: AS PSB: AS	3	0	0		03	50	50	100	3		
2	IPCC BAS402/ BAE402	Aerodynamics	TD: AS PSB: AS	3	0	2		03	50	50	100	4		
3	IPCC BAS403	Aerospace Propulsion	TD: AS PSB: AS	4	0	0		03	50	50	100	4		
4	PCCL BASL404	Energy Conversion and Heat & Mass Transfer Lab	TD: AS PSB: AS	0	0	2		03	50	50	100	1		
5	ESC BAS405x	ESC/ETC/PLC	TD: AS PSB: AS	3	0	0		03	50	50	100	3		
6	AEC/ SEC BAS456x	Ability Enhancement Course/Skill Enhancement Course- IV	TD and PSB: Concerned department	If the course is Theory			01	02	50	50	100	1		
				1	0	0								
				If the course is a lab										
4	BSC BBOK407	Biology For Engineers	TD/ PSB: BT, CHE,	3	0	0		03	50	50	100	3		
7	UHV BUHK408	Universal human values course	Any Department	1	0	0		01	50	50	100	1		
9	MC BPEK459	National Service Scheme (NSS)	NSS coordinator	0	0	2								
		Physical Education (PE) (Sports and Athletics)	Physical Education Director	0	0	2			100	---	100	0		
	BYOK459	Yoga	Yoga Teacher											
								Total	500	400	900	20		

PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. K : This letter in the course code indicates common to all the stream of engineering.	
Ability Enhancement Course / Skill Enhancement Course - IV	
BAS456A	Introduction to Programming in Matlab
BAS456B/ BAE456B	DRONE Pilot Training
	High Temperature and Smart Materials Engineering and Society
Engineering Science Course (ESC/ETC/PLC)	
BAS405A	Introduction to Robotics
BAS405B	Composite Materials
	Introduction to Space Technology
	Aircraft systems & Instrumentation
<p>Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practical of the same course. Credit for IPCC can be 04 and its Teaching– Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering /Technology (B.E./B.Tech.) 2022-23</p> <p>National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the courses is mandatory for the award of degree.</p>	



This document was created with the Win2PDF "Print to PDF" printer available at

<https://www.win2pdf.com>

This version of Win2PDF 10 is for evaluation and non-commercial use only.

Visit <https://www.win2pdf.com/trial/> for a 30 day trial license.

This page will not be added after purchasing Win2PDF.

<https://www.win2pdf.com/purchase/>