

Babaji Datey Kala Ani Vanijya Mahavidyalaya, Yavatmal.

(Affiliated by : Sant Gadge Baba Amravati University, Amravati)

FACULTY: SCIENCE AND TECHNOLOGY (SCIENCE GROUP)

For the Degree of Bachelor of Science

(Three Years- Six Semesters Bachelor's Degree Programme)

B.Sc.I

: Subjects :

**Chemistry, Physics, Mathematics, Computer Science and
Biotechnology**

Groups

Group A	Group B
Chemistry –Physics (CP)	Biotechnology – Chemistry (BC)
Physics – Mathematics (PM)	
Mathematics- Computer Science (MCs)	

Group A – Eligibility :

- The Students passing H.S.C. Examination with Physics, Chemistry and Mathematics **OR**
- The students passing the HSSC Examination offering Vocational stream with Mathematics **OR**
- The students passing H.S.C. examination (M.C.V.C. stream) with technical trades like Engineering and Technology Group

Group B – Eligibility :

- The Students passing H.S.C. Examination with Chemistry and Biology **OR**
- The students passing H.S.C. examination (M.C.V.C. stream) with technical trades like Para Medical Group, Agricultural Group and Fisheries Group

In first year Sem. I & Sem. II

Student shall have to select any one group (Major/ Minor common) from above mentioned, it will continue till Sem. II.

From Sem. III

Student shall have to select any one Major and another Minor of the same faculty

In addition of two subjects, student shall have to study :

Generic/Open Elective Course – Shall be selected from another faculty (from Art/Commerce) Titles are available in University Website (www.sgbau.ac.in)

VSC (Vocational Skill Course) & SEC (Skill Enhancement Course),

AEC (Ability Enhancement Course) - English, AEC (Ability Enhancement Course) – MIL (Modern Indian Language),

IKS (Indian Knowledge System)-Generic,

VEC (Value Education Course), CC (Co-curricular Activities)

TEMPLATES

FIRST YEAR: SEMESTER – I

The Vertical		Type of Course	Chemistry(108)	Biotechnology (106)
a. Major / Minor		Theory	General Chem. 108200	Computer Networking – NICS2
		Lab/Practical-1	Chem. Lab. I 108201	Problem Solving Using C – NICS3
b. Major / Minor		Theory 1		
		Lab/Practical-2		
c. Generic/Open Elective Course		Theory 1		
		Theory 2		
d.	VSC	Lab/Practical-1	Calculation &	Hardware &Networking
	SEC	Lab/Practical-2	standardization	Programing & Data Sc.
e.	AEC - English	Theory	English & communication Skill	English & communication Skill
	AEC –MIL	Theory	Modern Indian Language (Marathi/Sanskrit)	Modern Indian Language (Marathi/Sanskrit)
	IKS-Generic	Theory	Indian Knowledge System	Indian Knowledge System
	VEC	Theory	Environmental Science & Indian Knowledge	Environmental Science & Indian Knowledge
f.	CC	Outdoor	Co-curricular Activities	Co-curricular Activities

The Vertical		Type of Course	Mathematics(126)	Computer Science(112)
a.	Major / Minor	Theory	Algebra & Calculus. 126200	Fundamentals of Computer 112200
		Lab/Practical-1	Algebra & Calculus. 1262001	Office Automation Tools -112201
b.	Major / Minor	Theory 1		
		Lab/Practical-2		
c.	Generic/Open Elective Course	Theory 1		
		Theory 2		
d.	VSC	Lab/Practical-1	Financial Math.	Lab. of Information Technology tools
	SEC	Lab/Practical-2	Applied Math.	
e.	AEC - English	Theory	English & communication Skill	English & communication Skill
	AEC –MIL	Theory	Modern Indian Language (Marathi/Sanskrit)	Modern Indian Language (Marathi/Sanskrit)
	IKS-Generic	Theory	Indian Knowledge System	Indian Knowledge System
	VEC	Theory	Environmental Science & Indian Knowledge	Environmental Science & Indian Knowledge
f.	CC	Outdoor	Co-curricular Activities	Co-curricular Activities

The Vertical		Type of Course	Physics(129)
a.	Major / Minor	Theory	Gravitational & Rotational Dynamics 129200
		Lab/Practical-1	Gravitational & Rotational Dynamics 129201
b.	Major / Minor	Theory 1	
		Lab/Practical-2	
c.	Generic/Open Elective Course	Theory 1	
		Theory 2	
d.	VSC	Lab/Practical-1	Instrumentation & Measurement skill Phy.129/SE C-1/Lab
	SEC	Lab/Practical-2	
e.	AEC - English	Theory	English communication Skill.
	AEC –MIL	Theory	Modern Indian Language (Marathi/Sanskrit)
	IKS-Generic	Theory	Indian Knowledge System
	VEC	Theory	Environmental Science (Indian Knowledge)
f.	CC	Outdoor	Co-curricular Activities