



New CBCS under NEP-2020

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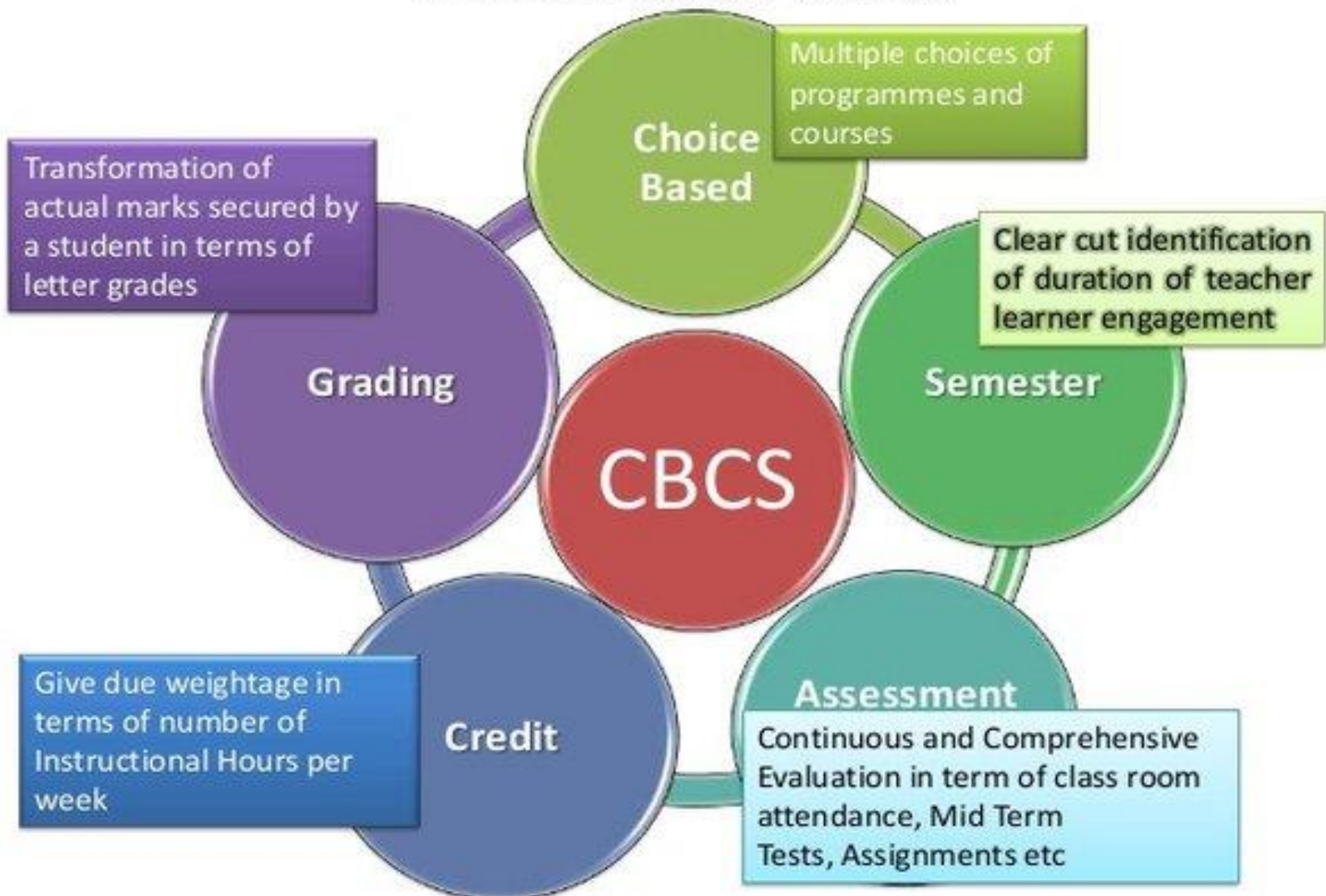
Why CBCS?

- The main objectives of CBCS are:
 - To provide broad based education;
 - To provide students with greater flexibility in choice of courses;
 - To provide students multi-disciplinary curriculum;
 - To enable students to choose courses at basic/advanced level/inter-disciplinary;
 - To enable students to acquire job oriented skills;
 - To enable students to progress at their own pace;
 - To enable highly motivated students gain extra credits; and
 - To Bridge the gap between professional and social exposure to provide a holistic education.

What is Choice Based Credit System (CBCS)?

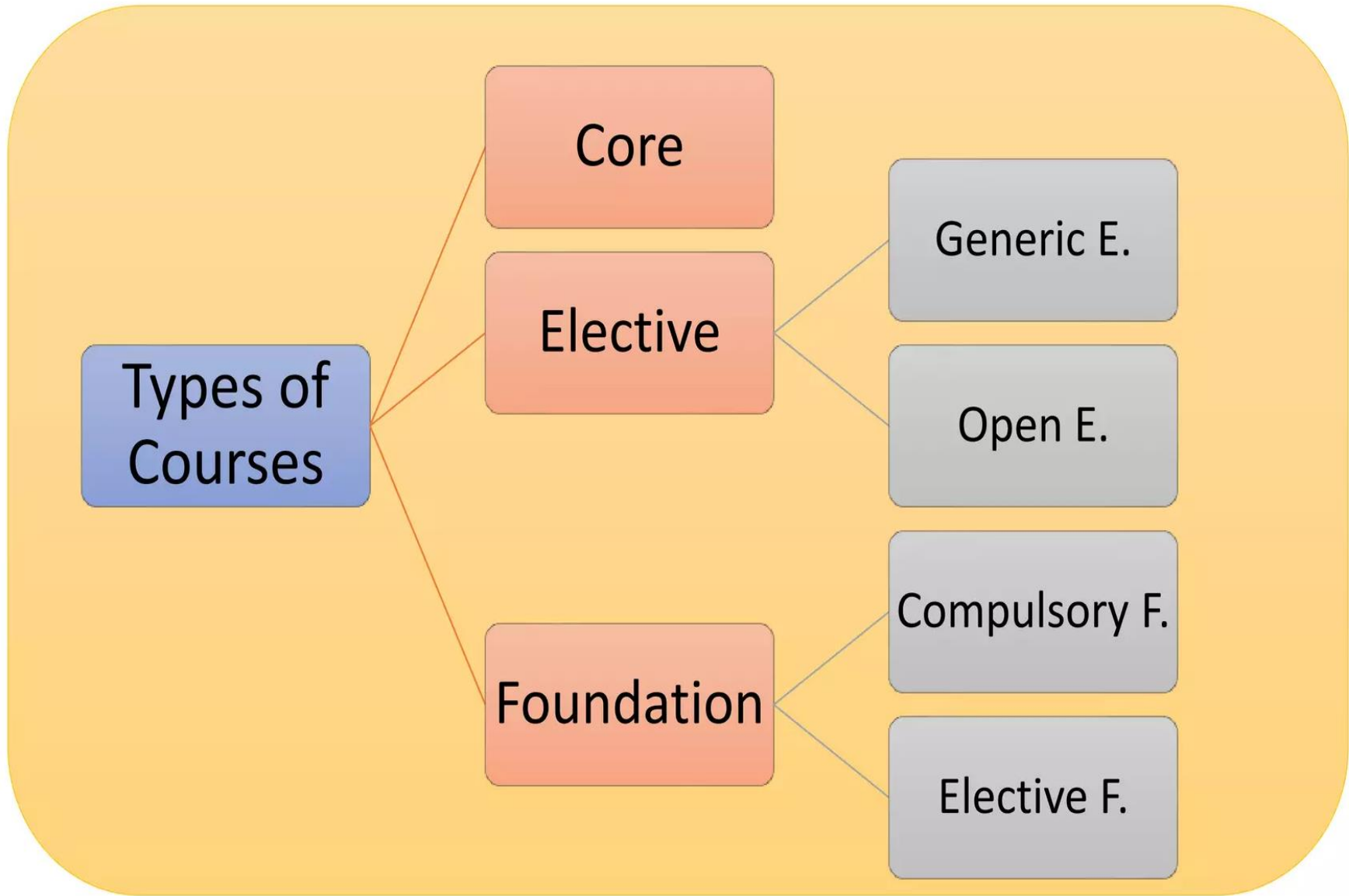
- A “cafeteria” type approach in which the students can
 - take courses of their choice,
 - learn at their own pace,
 - undergo additional courses,
 - acquire more than the required credits, and
 - adopt an interdisciplinary approach to learning.
- Transformation from the traditional teacher-centered education to a student-centered education.
- CBCS provides greater flexibility with multiple exits, multiple pathways, vertical mobility.

Elements of CBCS



Advantages of CBCS

- ❑ Shift in focus from the teacher-centric to student-centric education.
- ❑ Student may undertake as many credits as they can cope with (without repeating all courses in a given semester if they fail in one/more courses).
- ❑ CBCS allows students to choose inter-disciplinary, intra-disciplinary courses, skill oriented papers (even from other disciplines according to their learning needs, interests and aptitude) and more flexibility for students).
- ❑ CBCS makes education broad-based and at par with global standards. One can take credits by combining unique combinations. For example, Physics with Economics, Microbiology with Chemistry or Environment Science etc.
- ❑ CBCS offers flexibility for students to study at different times and at different institutions to complete one course (ease mobility of students). **Credits earned at one institution can be transferred.**



Core Course

- ❑ There may be a core course in every semester.
- ❑ These are compulsory courses for the students.
- ❑ These are compulsorily studied by every students as a core requirement to complete the requirement of the programme in a said discipline of study .

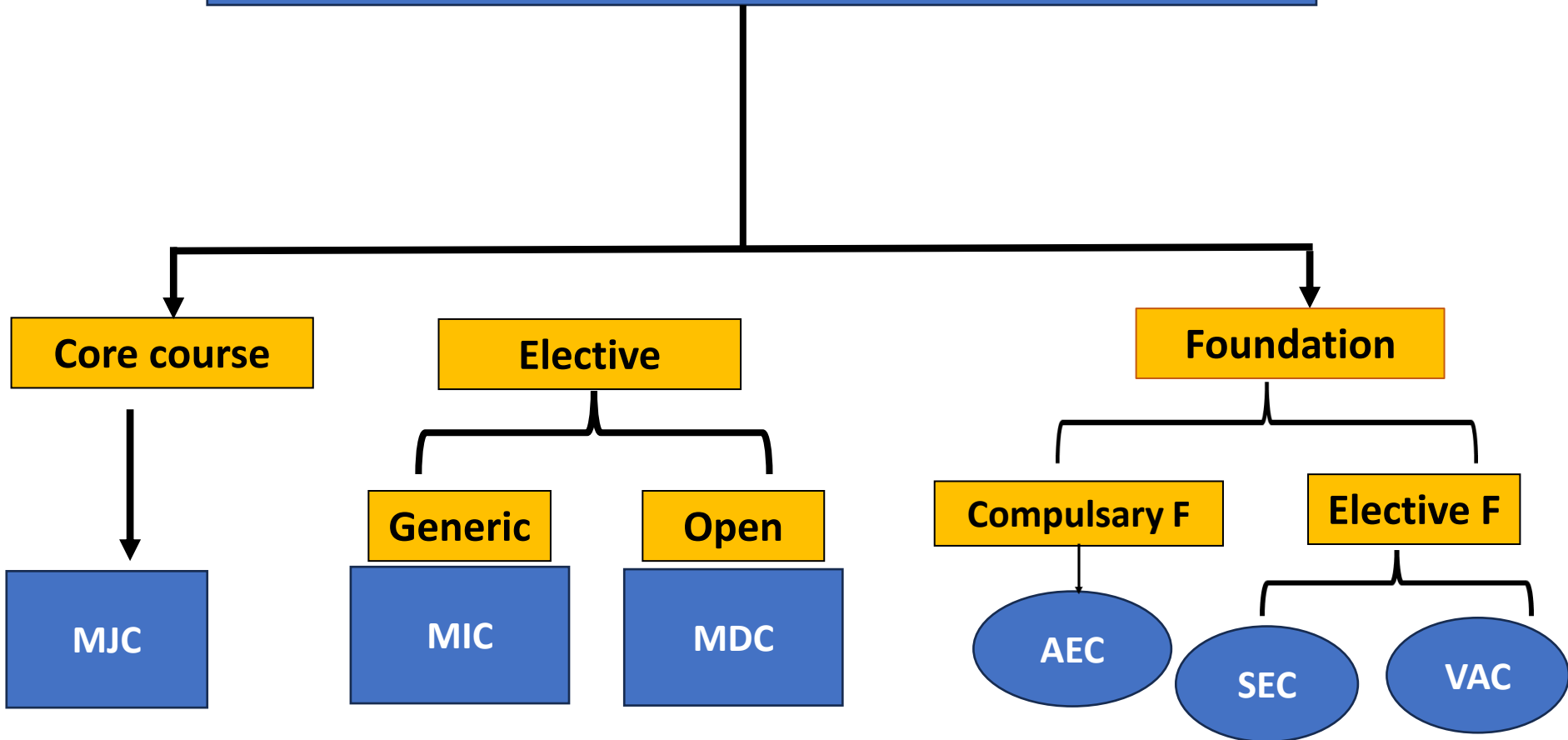
Elective Course

- ❑ It can be chosen from a pool of prescribed papers
- ❑ Supportive to the discipline/ subject of study
- ❑ Providing an extended scope
- ❑ Enabling an exposure to some other discipline/subject/domain
- ❑ Nurturing candidate's proficiency/skill

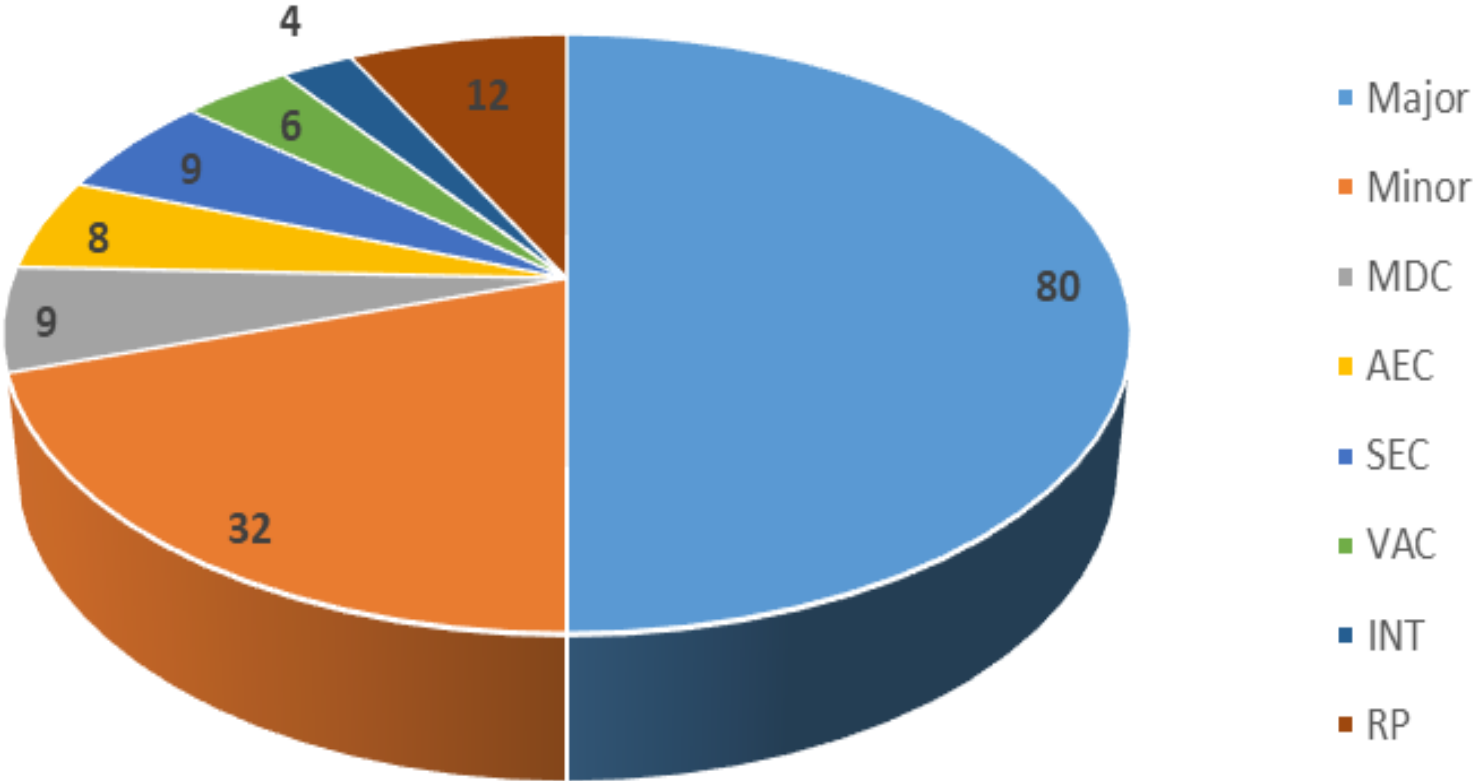
Foundation Course

- ❑ Compulsory Foundation- are the courses based upon the content that leads to Knowledge enhancement. These are mandatory for all students.
- ❑ Elective Foundation- are value-based and are aimed at man-making education.

Under Graduate Course Structure under CBCS in Bihar University



Total Credit- 160



Major Course

- 1. Objective: Aims the core requirements to provide a fundamental and deep knowledge of a programme in the concerned discipline of study.**
- 2. Duration : 1-8 semester**
- 3. Total -80 Credit (not evenly distributed among semesters)**
- 4. Science and other practical based subjects – Tutorial and Practical**
- 5. Math/Social Science/ Humanities- Only Tutorials**

Minor Course (MIC)

- 1. Objective: This course is supportive to the discipline of study.**
- 2. Duration: 1-8 semester**
- 3. Total – 32 Credit (not evenly distributed among semesters)**
- 4. Science – Science other than major subject**
- 5. Social Science- Social Science and humanities other than major subject**

Multidisciplinary Course (MDC)

- 1. Objective: This course provides an expanded scope and exposure to some other discipline/ domain.**
- 2. Course Duration- 1-3 semester**
- 3. Total – 09 Credit (03 for each semester)**
- 4. Tutorial and Practical**
- 5. Science- Social Science/ Commerce/Humanities**
- 6. Social Science/ Humanities- Social Science (Other than 12th combination)/ Humanities/ Science/ Commerce**
- 7. Commerce- Social Science/ Humanities/ Science (Other than 12th combination)**

AEC (Ability Enhancement Course)

- 1. Objective: This course is for knowledge enhancement.**
- 2. Duration: 1-4 semester**
- 3. Total – 08 Credit (02 credit per semester)**

Proposed Course Structure for 4 Year Undergraduate Programme under CBCS System

Ability Enhancement Courses (AEC)

Semester – I (AEC- 1)

Science	Social Science/Arts	Commerce
• MIL	• MIL	• MIL

Semester – II (AEC- 2)

Science	Social	Commerce
• Environmental Science	• Environmental Science	• Environmental Science

Semester – III (AEC- 3)

Science	Social	Commerce
• Course on Disaster Risk Management	• Course on Disaster Risk Management	• Course on Disaster Risk Management

Semester – IV (AEC- 4)

Science	Social Science/Arts	Commerce
• Course on NCC/NSS/NGO's/Social Service/Scout & Guide/Sports	• Course on NCC/NSS/NGO's/Social Service/Scout & Guide/Sports	• Course on NCC/NSS/NGO's/Social Service/Scout & Guide/Sports

List of Ability Enhancement Course (AEC)

SL. NO.	Course Title	LTP Distribution of the Course			Total Credits	Total Marks – 100
		L	T	P		
1	MIL (Semester – I)	2	1	0	2	End -Term Appraisal : 70 Marks
2	Environmental Science (Semester – II)	2	1	0	2	
3	Course on Disaster Risk Management (Semester – III)	2	1	0	2	
4	Course on NCC/NSS/NGO's/Social Service/Scout & Guide/Sports (Semester – IV)	2	1	0	2	Internal Assessment: 30 Marks



SEC (Skill Enhancement Course)

- 1. Objective: Aims at nurturing students proficiency/ skill**
- 2. Duration: 1-3 semester**
- 3. Total – 09 Credit (03 for each semester)**
- 4. Selection from Basket of prescribed course**
- 5. Tutorial and Practical**

Proposed Course Structure for 4 Year Undergraduate Programme under CBCS System

Skill Enhancement Course (SEC)

Semester – I (SEC- 1)

Science	Social Science/Arts	Commerce
<ul style="list-style-type: none"> • Advance Spreadsheet Tools • Basic IT Tools • Creative Writing • Communication in Everyday life 	<ul style="list-style-type: none"> • Advance Spreadsheet Tools • Public Speaking in English Language & Leadership • Creative Writing • Communication in Everyday life 	<ul style="list-style-type: none"> • Advance Spreadsheet Tools • Digital Marketing • Creative Writing • Communication in Everyday life

Semester – II (SEC- 2)

Science	Social Science/Arts	Commerce
<ul style="list-style-type: none"> • Big Data Analysis • Beginners Course to Calligraphy • Introduction to Cloud Computing (AWS) • Personality Development & Communication 	<ul style="list-style-type: none"> • Big Data Analysis • Beginners Course to Calligraphy • Personality Development & Communication • व्यक्तिगत विकास 	<ul style="list-style-type: none"> • Big Data Analysis • Beginners Course to Calligraphy • Business Communication • Personality Development & Communication

Semester – III (SEC- 3)

Science	Social Science/Arts	Commerce
<ul style="list-style-type: none"> • Prospecting E-waste for sustainability • Visual Communication & Photography • Graphic Design & Animation • Statistical Software Package • Communication in Professional Life 	<ul style="list-style-type: none"> • Personal Financial Planning • Visual Communication & Photography • Statistical Software Package • Communication in Professional Life • व्यक्तिगत वित्त • व्यक्ति 	<ul style="list-style-type: none"> • Prospecting E-waste for sustainability • Sustainable Ecosystem & Entrepreneurship • Visual Communication & Photography • Statistical Software Package • Communication in Professional Life

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VAC (Value Added Course)

- 1. Objective : Aims to provide value-based and man- making education.**
- 2. Duration- 1-2 semester**
- 3. Total – 06 Credit (03 for each semester)**
- 4. Selection from Basket of prescribed course**
- 5. Tutorial and Practical**

Proposed Course Structure for 4 Year Undergraduate Programme under CBCS System

Value Added Course (VAC)

Semester – I (VAC- 1)

Science	Social Science/Arts	Commerce
<ul style="list-style-type: none"> • Ayurveda & Nutrition • Financial Literacy • Ethic & Culture • Art of Being Happy • Swach Bharat • Fit India • Panchakosha: Holistic Development of Personality • Culture & Communication 	<ul style="list-style-type: none"> • Gandhi & Education • Sports for life • Ethic & Culture • Art of Being Happy • Swach Bharat • Fit India • Panchakosha: Holistic Development of Personality • भारतीय भक्ति परम्परा और मानव मूल्य 	<ul style="list-style-type: none"> • Digital Empowerment • Sports for life • Ethic & Culture • Art of Being Happy • Swach Bharat • Fit India • Panchakosha: Holistic Development of Personality • Culture & Communication

Semester – II (VAC- 2)

Science	Social Science/Arts	Commerce
<ul style="list-style-type: none"> • Vedic Mathematics • Emotional Intelligence • Yoga Philosophy & Practice • Ethics & Values in Ancient Indian Tradition • Constitutional Values & Fundamental Duties • Social & Emotional Learning • Ecology & Literature 	<ul style="list-style-type: none"> • Vedic Mathematics • Emotional Intelligence • Yoga Philosophy & Practice • Ethics & Values in Ancient Indian Tradition • Constitutional Values & Fundamental Duties • Social & Emotional Learning • सृजनात्मक लेखन के आयाम 	<ul style="list-style-type: none"> • Vedic Mathematics • Emotional Intelligence • Yoga Philosophy & Practice • Ethics & Values in Ancient Indian Tradition • Constitutional Values & Fundamental Duties • Social & Emotional Learning • Ecology & Literature



Internship

- 1. Objective: Aims to make students learn to perform the work practices.**
- 2. It's a preserved training designed to render the practical experience of a given job.**
- 3. 5th semester**
- 4. Total – 04 Credit**

Research Project

- 1. Objective: Aims at cultivating an understanding of research design and methodology and developing a range of transferable skills.**
- 2. 8th semester**
- 3. Total – 12 Credit**

Semester -01

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 01	MJC-1	6-1-0	6	100
02	Minor Course 01	MIC-1	4-1-0	3	100
03	Multidisciplinary Course 01	MDC-1	4-1-0	3	100
04	MIL	AEC-1	2-1-0	2	100
05	Skill Enhancement Course	SEC-1	1-0-3	3	100
06	Value Added Course	VAC-1	1-0-3	3	100

Total Credit-20

Semester -02

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 02	MJC-2	6-1-0	6	100
02	Minor Course 02	MIC-2	4-1-0	3	100
03	Multidisciplinary Course 02	MDC-3	4-1-0	3	100
04	Environmental Science	AEC-2	2-1-0	2	100
05	Skill Enhancement Course	SEC-2	1-0-3	3	100
06	Value Added Course	VAC-2	1-0-3	3	100

Total Credit-20

Exit option to students with U.G. Certificate. After completing I, II Semester earning full credits students will be awarded UG Certificate only if he or she takes one Vocational Course of 4 Credit (during Summer Vacation). T

Semester -03

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 03	MJC-3	5-1-0	5	100
02	Major Course 04	MJC-4	3-1-0	4	100
03	Minor Course 03	MIC-3	4-1-0	3	100
04	Multidisciplinary Course	MDC-3	4-1-0	3	100
05	Disaster Risk	AEC-3	2-1-0	2	100
06	Skill Enhancement Course	SEC-3	1-0-3	3	100

Total Credit-20

Semester -04

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 05	MJC-5	5-1-0	5	100
02	Major Course 06	MJC-6	5-1-0	5	100
03	Major Course 07	MJC-7	5-1-0	5	100
04	Minor Course 04	MIC-4	4-1-0	3	100
05	NCC/NSS/NGOs/Social service/ Scout & Guide/Sports	AEC-4	2-1-0	2	100
Total Credit-20					

Exit option: Students with U.G. Diploma. After completing I, II, III & IV Semester earning full credits, if a student want to exit he I she will be awarded UG Diploma only if he or she takes one Vocational Course of 4 Credit (during Summer Vocation) will not be included in SGP A & CGP A Calculation.

Semester -05

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 08	MJC-8	5-1-0	5	100
02	Major Course 09	MJC-9	5-1-0	5	100
03	Minor Course 05	MIC5	4-1-0	3	100
04	Minor Course 06	MIC-6	4-1-0	3	100
05	Internship	INT-1	----	4	100
Total Credit-20					

Semester -06

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 10	MJC-10	4-1-0	4	100
02	Major Course 11	MJC-11	5-1-0	5	100
03	Minor Course 12	MIC12	5-1-0	5	100
04	Minor Course 07	MIC-7	4-1-0	3	100
05	Minor Course08	MIC-8	4-1-0	3	100
Total Credit-20					

Exit option: A student may be awarded 3 Year UG in the Major & Minor discipline, provided he /she earns all credits of I, D, III, IV, V & VIth Semester.

Semester -07

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 13	MJC-13	5-1-0	5	100
02	Major Course 14	MJC-14	5-1-0	5	100
03	Major Course 15	MJC15	6-1-0	6	100
04	Minor Course 09	MIC-9	4-1-0	4	100

Total Credit-20

Semester -08

Sl. No	Name of Course	Type of Course	L-T-P	Credit	Marks
01	Major Course 16	MJC-16	4-1-0	4	100
02	Minor Course 10	MIC-10	4-1-0	4	100
03	Research Project/Dissertation	RP-1	----	12	
Total Credit-20					

- ❖ A student will be awarded Degree in UG Honours Major and Minor if he /she earns all the credits of I, II, III, IV, V, VI, VII & VIIIth Semester. Students who want UG Degree Honours with Research in Major he/ she must obtain 7.5 CGPA and above in the I to VI Semester. Such Students can choose a research stream in the fourth year if they earn (80 Credits, including 12 credit from a research project/ dissertation. They will be awarded UG Degree (Honours with Research).

	SEM1	SEM2	SEM3	SEM4	SEM5	SEM6	SEM7	SEM8
MJC	6	6	9	15	10	14	16	4
MIC	3	3	3	3	6	6	4	4
MDC	3	3	3	-	-	-	-	-
AEC	2	2	2	2				
SEC	3	3	3	-	-	-	-	-
VAC	3	3	-	-	-	-	-	-
INT					4			
RP								12
TOTAL	20	20	20	20	20	20	20	20

Conclusions

- ❖ **CBCS pattern is student centric**
- ❖ **Aims to bring equity, efficiency and excellence in higher education**
- ❖ **Flexibility for students to study at different times and at different institutions to complete one course**
- ❖ **Introduces skill based and value added courses.**
- ❖ **4 year programme provides “Entry and Exit” option to students.**
- ❖ **Completion of 2nd semester- Certificate course**
- ❖ **Completion of 4th semester- Diploma course**
- ❖ **Completion of 6th semester- Degree course**
- ❖ **Completion of 8th semester- Honours with research**

