

**CHHATTISGARH HIGHER EDUCATION
PROGRAM FOR
EXCELLENCE & EQUITY**

**INSTITUTIONAL DEVELOPMENT PLAN
(IDP)**

== 2022 – 23 TO 2027-28 ==



**GOVERNMENT NAGARJUNA
P.G. COLLEGE OF SCIENCE,
RAIPUR (CG)**

NAAC: Grade – B

Submitted to

**Department of Higher Education
Government of Chhattisgarh**

Ref. No. - Date --

== CONTENTS ==

- 1. INTRODUCTION**
- 2. VISION & MISSION**
- 3. INSTITUTIONAL BASIC INFORMATION --**
 - 3.1 Institutional Identity**
 - 3.2 Land Particulars**
 - 3.3 Establishment Details**
 - 3.4 NAAC Accreditation and UGC Autonomy**
 - 3.5 Governing Body (GB) &/or Jan Bhagidari Samiti (JBS) Information**
 - 3.6 Academic Program Information ?**
 - 3.7 Faculty' Status (Regular/Guest /On-Contract Faculty as on ...)**
 - 3.8 Students' Profile**
 - 3.8.1 Program wise students' details**
 - 3.8.2 Pass out Students' (During last 5 Year)**
 - 3.8.3 Placement & Progression information**
 - 3.8.4 Other Activities**
 - 3.9 Academic Baseline data**
 - 3.10 Infrastructure**
 - 3.10.1 Laboratory**
 - 3.10.2 Library**
 - 3.10.3 Class room**
 - 3.10.4 Sports/Games & Gym**
 - 3.10.5 Others**
 - 3.11. Research and Development**
 - 3.12 Financial Report**
- 4. INSTITUTIONAL DEVELOPMENT PLAN**
 - 4.1 Executive Summary**
 - 4.2 Need Assessment**
 - 4.3 SWOC Analysis**
 - 4.4 Future Prospective**
 - 4.5 Institutional Goal**
 - 4.6 Institutional Pedagogical Approach**
 - 4.7 Strategic Plan**
- 5. DEVELOPMENT OBJECTIVES**
- 6. ACTION PLAN (PLANNING AND EXECUTION STRATEGY)**
- 7. PLAN BUDGET**
- 8. PLAN TARGET FOR INSTITUTION**
- 9. FINANCIAL AND BUDGETARY SUSTAINABILITY**
- 10. DOCUMENTS ON STAKEHOLDERS CONSULTATION**
- 11. FOLLOW-UP & EVALUATION**

1. INTRODUCTION:

The Government Nagarjuna P.G. College of Science, Raipur, is the oldest college of Chhattisgarh, involved in teaching learning and research since its establishment in the year 1948. Presently college is an autonomous body to Pt. Ravishankar Shukla University, Raipur. The College was spread over in 83.23 area of land with four hostel and staff quarters. Recently some part of the land is handed over to sports department by State Government. College is single faculty (Science) institution and presently fourteen academic departments including Hindi and English Language are functioning and offering degrees, at Under Graduate level and it Post Graduate level, the College offers degree in 8 science viz. Physics, Chemistry, Botany, Zoology, Geology, Mathematics, Defence Studies and Biotechnology, Microbiology, Biochemistry, Information Technology, Computer Science in 2010 College has been given the status of CPE (Centre with Potential for excellence) by UGC, New Delhi. The College is recognized center of Research in 07 of Science subjects. In the reference year 76 regular teachers against 84 sanctioned posts are working. There are 75 supporting staff (Office staff, Lab technician, Lab attendants other class IV) working in the college.

College is accredited by NAAC with grade “B” and CGPA 2.31

The number of enrolled students are 2450 including UG and PG.

2. VISION & MISSION:

Vision- The vision of the College is to produce proud Indian Citizens, who adhere to the Constitution of India, and have a deep sense of responsibility towards enhancing India's unique identity and legacy through Indian Knowledge System and indigenous skills; to produce financially independent youth; to produce global citizens with 21st century skills; to inculcate ethical values in the youth.

Mission- The Mission of the college is

- To make efforts to implement NEP
- to devise mechanisms that include all the stakeholders in holistic education
- to promote quality multidisciplinary education frameworks
- to restructure the curriculum and pedagogy as per regional needs
- to achieve excellence in Research through developing HOTS (Higher Order Thinking Skills)
- to devise employment generating programs and opportunities to achieve financial independence
- to increase 21st century skills like soft skills, language skills, employability, and ICT skills
- to develop a system that promotes human dignity, ethics, sensitivity towards humanity and environment
- to smoothen and ease the funding procedure to generate resources

3. INSTITUTIONAL BASIC INFORMATION

3.1 Institutional Identity:

- Name of the Institution: Govt. Nagarjuna P.G. College of Science, Raipur (C.G.)
- Is the Institution approved by Regulatory body (UGC / Others) : Yes
- Type of Institution – as on funding basis : Govt. funded
– as on gender basis : Co-education
- Status of Institution : Autonomous
- Name of Head of Institution and Project Nodal Officers:

Head and Nodal Officer	Name	Mobile Number	WhatsApp Number	E-mail
Head of the Institution (Full time appointee / In-charge)	Dr. P.C. Choubey	98264 46235	98264 46235	principal.npgcsr@gmail.com
IDP Coordinator	Dr. Sameer Thaker	88393 55704	93291 01193	thaker_sameer@rediffmail.com
IQAC Coordinator	Dr. Renu Maheshwari	98274 66675	98274 66675	prof.renumaheshwari@gmail.com
Nodal Officer				
Academic Activities	Dr. Anjali Oudhia	98267 33747	98267 33747	anjalioudhia@gmail.com
Civil Works including Environment Management	Prof. Pradeep Thakur			pthakur955@gmail.com
Procurement	Prof. Pradeep Thakur Dr. N.B. Singh	94242 15883 98271 06812	94242 15883 98271 06812	pthakur955@gmail.com nbsingh45@gmail.com
Financial aspects	Mr. Y.K. Deepak			-
Equity Assurance Plan Implementation	Dr. Renu Maheshwari	98274 66675	98274 66675	prof.renumaheshwari@gmail.com
Career Counseling & Placement	Dr. B.P. Tripathi	94252 07511	94252 07511	bhanu.tripathi@gmail.com
Extension Activities	Dr. Saroj Sharma	96851 53536	96851 53536	shaimagr8@gmail.com
Internal & External Assessment	Dr. R. Diwan	98932 60350	98932 60350	rupindradiwan@gmail.com

3.2 Land Particulars ---

Sl. No. of Plots	Land information with ROR			Additional land information		Remarks
	Total area of land (in acre) as per Record of Rights (ROR)	Type of land	Record of Rights (ROR) Khesra No. and Plot No.	Additional area under possession (encroachment, if any)	Type of land	
01	61.45	Residential	104/1/क 233 काली 1	-	-	-

- In case of integrated campus, is there a possibility for separation of -A and -B by making boundary wall in existing campus (Yes / No):
- Any other information **Nil**

3.3 Establishment details:

Sl. No.	Establishment Details (attach all required documents)	
1	Year of establishment	1948
2	Name of University to which Affiliated with affiliation no and period	Pt- Ravishankar Shukla University, Raipur (C.G.)
3	Latest year of Permanent Affiliation (Program / Course wise)	UG 08 PG 06
4	Latest year of Temporary Affiliation (Program / Course wise)	UP 08 PG 06 PGDCA 01

5	Latest year of Permanent Recognition (Program / Course wise)	UG 08 PG 06
6	Latest year of Temporary Recognition (Program / Course wise)	UP 08 PG 06 PGDCA 01
7	Recognition by UGC: 2f & 12B (No. & Date)	8-18/2004 (CPP-1/2) (Pt-3) 08-10-2010
	CPE / others, if any (No. & Date)	F 12-1/2008 (NS/PE)
	By others, if any (No. & Date)	15-10-2010

3.4 NAAC Accreditation and UGC Autonomy –

- Whether Institution is accredited? **Yes**

If yes,

Cycle	Grade	CGPA	Month & Year	Validity	Recommendations
3rd	B	2.31	31-08-2021	30-08-2026	-

Enclose the Certificate issued by NAAC and Recommendation by Peer Team

- Has the College been granted UGC autonomy? **Yes.**

If yes, By Order Number F-24-9/87(NEP) Dated 11-11-1987

3.5 Governing Body (GB) and /or Jan Bhagidari Samiti (JBS) Information –

- Has the College been constituted GB and /or JBS: **Yes**

If yes, furnish detail -

Organization	Date of constitution	Total no of members	Validity date up to	No of meetings conducted during the last year (From to)	Date of last meeting
GB	24.10.2008	8	23.10.2022	02	30.07.2022
JBS	17.09.1997	9	31.01.2023	04	26.07.2022

If no, furnish the reasons / situation -

3.6 Academic Program Information:

- **UG/PG/PG Diploma/Ph.D. programs offered in Current Academic year ---**

Sl. No	Title of programs	Level (UG, PG, Diploma, Ph. D)	Duration (Years)	Year of starting	Sanctioned annual Intake	Total student strength
01	B.Sc. - PCM	UG	3 Year		230	208
02	B.Sc. – PMG	UG	3 Year		32	22
03	B.Sc. – PMD	UG	3 Year		32	31
04	B.Sc. – PMCS	UG	3 Year		63	60
05	B.Sc. – PMIT	UG	3 Year		420	58
06	B.Sc. – CBZ	UG	3 Year		220	215
07	B.Sc. – CBG	UG	3 Year		30	30
08	B.Sc. – CZG	UG	3 Year		30	29
09	B.Sc. – CBD	UG	3 Year		30	29
10	B.Sc. – CZD	UG	3 Year		30	29
11	B.Sc. – CBMB	UG	3 Year		40	40
12	B.Sc. – CBBC	UG	3 Year		12	12
13	B.Sc. – CZBC	UG	3 Year		12	12
14	B.Sc. – CBBT	UG	3 Year		30	29
15	B.Sc. - CZBT	UG	3 Year		30	28
16	B.C.A	UG	3 Year		50	49
17	D.C.A	DIPLOMA	1 Year		30	17
18	PGDCA	PG DIPLOMA	1 Year		30	31
19	BIOTECH	PG	2 Year		15	18
20	BOTANY	PG	2 Year		25	26
21	CHEMISTRY	PG	2 Year		25	25
22	DEFENCE	PG	2 Year		25	20
23	ZOOLOGY	PG	2 Year		25	26

24	GEOLOGY	PG	2 Year		25	31
25	MATHS	PG	2 Year		35	34
26	PHYSICS	PG	2 Year		25	27
27	I.T.	PG	2 Year		30	30
28	MICROBIO	PG	2 Year		30	30
29	BIOCHEM	PG	2 Year		20	20
30	Botany	PhD	6 Year	1961	-	18
31	Chemistry	PhD	6 Year	1960		28
32	Defense Studies	PhD	6 Year	1991		12
33	Geology	PhD	6 Year	1984		12
34	Mathematics	PhD	6 Year	2000		16
35	Physics	PhD	6 Year	2011		14
36	Zoology	PhD	6 Year	1965		28

- Has the College been conducted any program under Self Finance Scheme? Yes.
If yes, furnish detail as above

3.7 Faculties' Status against sanctioned posts (Regular / Guest Faculty as on – Jan 2023)

Faculty Rank	No. of Sanctioned Regular Posts	Present Status: Number in position by Highest Qualification																Total Number of regular faculty	Total Vacancies	Total Number of Guest faculty
		Doctoral Degree								Masters Degree										
		Arts Discipline		Science Discipline		Commerce Discipline		Other Disciplines		Arts Disciplines		Science Disciplines		Commerce Discipline		Other Disciplines				
		R	G	R	G	R	G	R	G	R	G	R	G	R	G	R	G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	3+5+7+9+11+13+15+17)	(2-19)	(4+6+8+10+12+14+16+18)
Professor																				
Professor Promoted				14																
Asst. Professor				40	04							20	08							

- Whether Institution has appointed faculties under SFS / JBS? No
If yes, furnish details-

Subject	Program	No. of Faculties	Qualification	Year of Starting
Biochemistry	M.Sc.	02	P.G.	2018

3.8 Students' Profile:

Sl. No.	Faculty	Program	Discipline	Duration	Year of starting	Seat Sanctioned	Enrolled
1	SCIENCE	BSC	PCM	3 YEARS	1948	690	572
			PMG	3 YEARS	1956	96	75
			PMD	3 YEARS	1972	96	87
			PMCS	3 YEARS	1992	189	179
			PMIT	3 YEARS	2002	189	172
			CBZ	3 YEARS	1948	660	570
			CBG	3 YEARS	1956	90	85
			CZG	3 YEARS	1956	90	79
			CBD	3 YEARS	1972	90	77
			CZD	3 YEARS	1972	90	82
			CBMB	3 YEARS	2012	120	116
			CBBC	3 YEARS	2006	36	32
			CZBC	3 YEARS	2006	36	32
			CBBT	3 YEARS	2002	90	74
CZBT	3 YEARS	2002	90	77			
2	SCIENCE	BCA	COMPUTER	3 YEARS	2010	150	141
3	SCIENCE	MSC	BIOTECH	2 YEARS	2005	30	33
			BOTANY	2 YEARS	1956	50	50
			CHEMISTRY	2 YEARS	1956	50	50
			DEFENCE	2 YEARS	1987	50	50
			ZOOLOGY	2 YEARS	1956	50	50
			GEOLOGY	2 YEARS	1960	50	50
			MATHS	2 YEARS	1956	70	70
			PHYSICS	2 YEARS	1965	50	50
			I.T.	2 YEARS	2018	60	60
			MICROBIO	2 YEARS	2018	60	60
4	SCIENCE	DCA	COMPUTER	1 YEAR	2010	30	17
5		PGDCA	COMPUTER	1 YEAR	2010	30	31
6			Ph.D.(Botany)		1961	18	
7			Ph.D. (Chemistry)		1960	28	
8			Ph.D. (Defense Studies)		1991	12	2
9			Ph.D. (Geology)		1984	12	
10			Ph.D. (Mathematics)		2000	16	1
11			Ph.D. (Physics)		2011	14	3
12			SCIENCE	Ph.D	Ph.D. (Zoology)		1965

3.8.1 Program wise Student Details (Current Year) –

Program (UG)	Seat Sanction	Seat Sanction	1st year						2 nd year						3 rd year						Grand Total
			S T	S C	O B C	O C	U R	Total	S T	S C	O B C	O C	U R	Total	S T	S C	O B C	O C	U R	Total	
			B.Sc.						B.Sc.						B.Sc.						
PCM	690	230	27	16	129		36	208	42	21	92		32	187	34	23	92		28	177	572
PMG	96	32	4	3	10		5	22	3	3	15		8	29	1	2	16		5	24	75
PMD	96	32	2	2	14		13	31	5	2	12		10	29	5	1	13		8	27	87
PMCS	189	63	6	23	23		8	60	16	7	34		5	62	10	7	31		9	57	179
PMIT	189	63	4	6	27		21	58	9	10	24		13	56	7	4	26		21	58	172
CBZ	660	220	44	36	95		40	215	52	24	90		27	193	51	20	71		20	162	570
CBG	90	30	3	7	11		9	30	6	5	16		3	30	4	1	15		5	25	85
CZG	90	30	3	4	16		6	29	7	7	9		5	28	2	4	11		5	22	79
CBD	90	30	7	3	15		4	29	4	5	10		6	25	5	3	12		3	23	77
CZD	90	30	4	5	13		7	29	5	4	14		4	27	2	1	12		11	26	82
CBMB	120	40	0	6	20		14	40	8	5	23		3	39	8	2	19		8	37	116
CBBC	36	12	4	2	2		4	12	3	0	2		4	9	1	1	4		5	11	32
CZBC	36	12	1	2	4		5	12	2	1	6		2	11	1	1	6		1	9	32
CBBT	90	30	5	6	11		7	29	8	4	9		4	25	2	1	10		7	20	74
CZBT	90	30	9	5	11		3	28	8	5	10		5	28	6	1	10		4	21	77
BCA	150	50	6	9	21		13	49	4	8	19		14	45	11	5	12		19	47	141
TOTAL																					2450

Program (PG)	Seat Sanction	1st year						2 nd year						Grand Total	
		ST	SC	OBC	OC	UR	Total	ST	SC	OBC	OC	UR	Total		
M.Sc								M.Sc							
BIOTECH	15	3	1	6		8	18	5	2	3		3	13	31	
BOTANY	25	8	3	12		3	26	6	4	7		7	24	50	
CHEMISTRY	25	8	4	9		4	25	3	2	9		2	16	41	
DEFENCE	25	0	1	10		9	20	0	0	8		1	9	29	
ZOOLOGY	25	8	3	10		5	26	8	2	9		4	23	49	
GEOLOGY	25	10	2	11		8	31	2	1	10		4	17	48	
MATHS	35	3	4	14		13	34	5	3	12		5	25	59	
PHYSICS	25	6	5	12		4	27	2	4	14		3	23	50	
I.T.	30	6	4	14		6	30	0	2	5		8	15	45	
MICROBIO	30	7	3	14		6	30	6	6	6		8	26	56	
BIOCHEM	20	1	5	11		3	20	0	1	4		5	10	30	
PGDCA	30	8	8	11		4	31							31	
DCA	30	2	2	6		7	17								

3.8.2 Pass out Students (During last five year):

Program (UG, PG & Others)	No. Seat Sanction / (Intake)	Enrolled Students (At intake level)					Admitted in Final Year					Appeared in Final Exam					No. of Pass Students				
		Y-5	Y-4	Y-3	Y-2	Y-1	Y-5	Y-4	Y-3	Y-2	Y-1	Y-5	Y-4	Y-3	Y-2	Y-1	Y-5	Y-4	Y-3	Y-2	Y-1
UG	884	793	634	623	665	632	793	634	623	665	632	793	634	623	662	631	783	634	607	622	593
PG	280	217	207	196	141	124	217	207	196	141	124	217	207	195	141	124	217	207	194	133	104
DCA	30	17	15	20	17	22	17	15	20	17	22	17	15	20	17	22	16	15	15	5	2
BCA	50	51	29	22	19	19	51	29	22	19	19	51	29	22	19	19	32	28	14	12	10
PGDCA	30	27	28	28	26	28	27	28	28	26	28	27	28	28	26	28	27	28	26	26	28

[Y-1: Last completed session and so on towards past session respectively]

3.8.3 Placement and Progression (During last five year):

Sl. No.	Category of Placement/ Progression	No. of UG Students						No. of PG Students						Grand Total
		Y-5	Y-4	Y-3	Y-2	Y-1	Total	Y-5	Y-4	Y-3	Y-2	Y-1	Total	
1.	Through Campus Interviews	03	07	-	01	01	12	-	-	-	-	-	Nil	12
2	State Govt. Services	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Indian Govt. Services	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Any Other Services	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Self-Employment	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Placed to Higher Education	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL		03	07	-	01	01	12	-	-	-	-	-	-	12

[Y-1: Last completed session and so on towards past session respectively]

3.8.4 Other activities (NSS/NCC/YRC/SPORTS/CULTURAL in last completed year)

Sl. No.	Activities Details	Undergraduate			Postgraduate		Others Program	Total	
		1 st yr	2 nd yr	3 rd Yr	1 st yr	2 nd yr			
1	What are the different social outreach programs students are involved with (NSS, NCC, YRC, etc.)								
2	No. of students involved in each program:	NSS	20	15	15	-	-	-	15
		NCC	54	60	47	03	-	-	164
		YRC	37	34	40	-	-	-	
3	How many Boys student participated in Sports	Univ. level	6	4	2	-	-	-	12
		State level	3		1	-	-	-	4
		National	-	-	-	-	-	-	
4	How many Girls student participated in Sports	Univ. level	3	2	4	-	-	-	9
		State level	2	1	1	-	-	-	-
		National	-	-	-	-	-	-	-
5	How many Girls student participated in Self-defense program offered by the college?	-	-	-	-	-	-	-	

➤ Any other significant information (Provide with authentic documents/ link of website): Nil

3.9 Academic Baseline Data (all data given for the following parameters to all disciplines)

Sl. No.	Parameters	Session (last 4+Current Year)				
		Y-5 17-18	Y-4 18-19	Y-3 19-20	Y-2 20-21	Y-1 21-22
1	Total strength of students in all programs and all years of study in the year	2349	2677	2747	2791	2980
2	Total women students in all programs all years of study in the year	1003	1090	1226	1294	1107
3	Total SC students in all programs and all years of study in the year	285	325	336	531	305
4	Total ST students in all programs and all years of study in the year	391	453	481	360	538
5	Total OBC students in all programs and all years of study in the year	1109	1226	1288	1256	1148

6	Number of fully functional computers available for students in the year	120	129	114	141	141
7	Total number of Text books and Reference books available in library for UG and PG students in the year	73500 21400	74100 22600	74900 23300	75004 23422	75114 23522
8	Student-teacher ratio	35:1	35:1	42:1	43:1	43:1
9	% of UG students placed through campus interviews in the year	03	07	0	01	01
10	% of PG students placed through campus interviews in the year	0	0	0	0	0
11	% of high quality undergraduates (>75% marks) passed out in the year	2.6	3.92	2.95	11.04	31.16
12	% of high quality postgraduates (>75% marks) passed out in the year	6.5	12.76	33.33	32.32	66.05
13	Number of research publications in Indian refereed journals in the year		68	21	20	24
14	Number of patents obtained in the year		-	-	-	-
15	Number of research publications in International refereed journals in the year		17	13	9	14
16	Number of patents filed in the year		-	-	-	-
17	Number of sponsored research projects completed in the year		2	0	0	0
18	The transition rate of students in percentage from 1 st year to 2 nd year in the year					
	(i) All Students	59.69	67.50	100	100	93.6
	(ii) SC	61	65	100	100	91
	(iii) ST	40	50	100	100	90
	(iv) OBC	89	90	100	100	95
19	IRG from students' fee and other charges in the year (Rs. in lakh)	-	-	-	-	-
20	IRG from externally funded R&D projects, consultancies in the year (Rs. in lakh)	7.30	-	-	-	-
21	Total IRG in the year (Rs. in lakh)	7.30				
22	Total annual recurring expenditure of the institution in the year (Rs. in crore)	22.87	28.84	24.47	18.40	19.23

3.10 Infrastructure:

3.10.1 Laboratory (Provide concern supporting documents /link of website) –

Sl. No.	Parameters	UG		PG		Diploma		Ph.D.		Total		
		Lab.	Equ.	Lab.	Eqpt	Lab.	Eqpt	Lab.	Eqpt	Lab.	Equipment	
1	Does the institute have computer laboratory (no.)? If yes, specify the no. of computers laboratory wise.	02	65	03	37	-	-	-	-	05	102	
2	Does the institute have laboratories of different subjects for various UG program? If yes, specify subject wise capacity per lab. and strength details	Physics	Nil		01	10	Nil		Nil		01	10
		Chemistry	Nil		Nil		Nil		Nil		Nil	Nil
		Botany	Nil		Nil		Nil		Nil		Nil	Nil
		Zoology	Nil		Nil		Nil		Nil		Nil	Nil
		Microbiology	Nil		Nil		Nil		Nil		Nil	Nil
		Biotechnology	Nil		Nil		Nil		Nil		Nil	Nil
		Geography	Nil		Nil		Nil		Nil		Nil	Nil
		Mathematics	Nil		01	16	Nil		Nil		01	16
		Information Technology	01	28	01	11	Nil		Nil		02	39
		Computer Science	01	37	Nil		Nil		Nil		01	37
		Biochemistry	Nil		Nil		Nil		Nil		Nil	Nil
Defence Study	Nil		Nil		Nil		Nil		Nil	Nil		

➤ Mentioned other relevant information, if any -

3.10.2 Library (Provide concern supporting documents /link of website) –

Sl. No.	Parameters	Program Wise		
		UG, Diploma	PG Ph. D.	Total
1	Total number of text books and reference books available in library for students in current year (aprx.)	75114	23522	98636
2	a) Is the library accessible differently able students? b) If yes, describe the facilities provided	Yes,		

		Wheel chair is available at the entrance of the college. Differently able student can come to the library in ground floor. The student can use the Reading Room facility through the ramp on first floor. A separate study table is reserved for 05 differently able students.
3	Reading Room facilities (Details)	Reading Room facility is available for the students on first floor Of the college. 2400 sq. feet Reading hall is set up for the purpose with more than 20,000 books. Almost 60 students can study at a time.
4	ICT /INFLIBNET/ Other facility (Details)	- Automation Process of the library has been completed. Soul 2.0 software is used for Automation . All the books and journals of the library records have been uploaded in software. - e-books and e-journals are subscribed by the library through N-List, INFLIBNET, Gandhi Nagar (Gujrat) which provide more than 6000 e-journals and 2,00,000 e-books . Remote access facilities also available through Delnet and e-access through Pt. Sunder Lal Sharma Library, pt. RSU, Raipur. 14 computer sets are available for Research scholars & Professors for fulfilling this purpose wi-fi facilities provided by the Library.

➤ Mentioned other relevant information, if any –

3.10.3 Class room -

[Provide concern supporting/image documents /link of website]

Particulars	UG			PG			Total	
	Number	Capacity	Facility	Number	Capacity	Facility	No.	Cpt. Per room
Gen. Class	33	60	B. Board	10	20	B. Board	43	60
ICT Facility	3	60	LCD	06	20	LCD	09	20
Smart class	-	-	-	02	25	Smart Board	02	25

3.10.4 Hostel -

Sl. No.	Parameters	Specify details	
		Boys'	Girls'
1	Does the college/Institute have Student Hostel (Yes / No)	Yes	Yes
2	If Yes, Number of Hostels (Boys / Girls')	03	02
3	Hostel-wise Intake Capacity	H1- 50 H2- 50 H3- 50	G.H1- 20 G.H2.-100
4	Hostel-wise Present students strength	H1- 49 H2 - 55 H3- 50	G.H1- 19 G.H2.- 69
5	Facilities (Common room, Food, Games & Sports, Reading room etc.	1. Common Room, 2. Games & Sports, 3. Reading Room	1. Common Room 2. Reading Room
6	Hostel accommodation fees per month	Rs. 850/-	Rs. 850/-
7	Hostel mess fees per month	Rs. 2200/-	Rs. 2200/-
8	Mess management (fully by students/ fully by college admin/ both)	fully by students	
9	Are the hostels accessible to differently able students?	No	No

10	No of toilets in Hostel	H1- 08, H2- 08 H3- 08	G.H1- 24 G.H2 -05
11	No of urinals in Hostel	H1- 08, H2- 08 H3- 08	G.H1- Nil G.H2 - Nil
12	No of bathrooms in Hostel	H1- 08, H2- 08 H3- 08	G.H1- 24 G.H2 - 04
13	No. of drinking water facility in Hostel	Yes	Yes
14	Furniture provided to students (cot/ table/ book shelf)	Cot, table, almiras, Dining	Cot, table
15	Electricity connection available (Y/N)	Yes	YES
16	Fire Extinguisher: Y/N	No	No
17	First aid box available: Y/N	Yes	Yes

3.10.5 Sports / Games & Gym –

Sl. No.	Particulars	Facilities Details
1	T.T. Hall, Chess, Carom	Available 01
2	Handball, Basket Ball Ground	Available 01+01
3	Kho-Kho, Kabaddi, Volleyball Ground	Available 01+01+01

3.10.6 Other Facilities (Auditorium /Canteen /Vehicle Stand/Drinking water and Others) –

Sl. No.	Particulars	Facilities Details
1	Auditorium	Available 01
2	Canteen	Available 01
3	Vehicle Stand	Available 01
4	Drinking Water	Available 11

3.11 Research and Development –

Sl. No.	Particulars	During last five years					Additional Information	
		Y-5	Y-4	Y-3	Y-2	Y-1		
1	Has the College conducted Research work? (Yes/No)	Y	Y	Y	Y	Y		
	If yes, how many faculties are involved in Research work	14	6	20	18	7		
2	Has the College conducted Ph.D. program? (Yes/No)	Y	Y	Y	Y	Y		
	If yes,	No. of department involved in research activity?	6	2	9	9	6	
		No. of department recognized Research centre?	7	7	8	8	8	
		No. of faculties recognized Supervisor?	18	23	27	28	30	
		No. of students enrolled in Ph. D. Program?	4	3	6	1	1	
No. of students awarded Ph. D. degree?	12	6	4	5	2			
3	Seminar/Conference/workshop Organized (citing the funding agency)	Regional	0	0	0	1	0	
		National	1	1	5	2	1	
		International	0	0	0	1	1	
4	Faculties participated in Seminar /Conf.	Regional	1	1	0	2	0	
		National	43	16	66	119	40	
		International	7	2	13	30	9	
5	Faculties presented paper in Semi. / Conf.	Regional	0	0	0	0	0	
		National	6	14	10	8	7	
		International	5	2	5	4	10	
6	Resource lectures by faculties in Seminar / Conferences	Regional	3	3	3	6	3	
		National	5	3	4	4	3	
		International	0	1	1	1	1	

7	Publications of Research articles in Peer Review Journals	Regional	-	-	-	-	-	
		National	54	17	8	29	38	
		International	-	-	-	-	-	
8	Publications of Research articles in Proceedings	Regional	-	-	-	-	-	
		National	-	-	-	-	-	
		International	-	-	-	-	-	
9	Research project Conducted / completed	Conducted	2	2	-	-	-	
		Completed	-	2	-	-	-	
10	Publications of Books / Chapters		16	17	8	16	4	

3.12 Financial Report:

Sl. No.	Grants Received From	Purpose / Head	During Last Five Years						Utilization / Remarks
			Yr-5 17-18	Yr-4 18-19	Yr-3 19-20	Yr-2 20-21	Yr-1 21-22	Total	
1	Rusa (in crore)	New Facility, Lab Equipment, infrastructure	1.75	-	-	28 Lakh	19.20 Lakh	2.22	Utilized
2	UGC	-	-	-	-	-	-	-	
3	Janbhagidari (in lakh)	-	35.74	17.59	18.87	16.54	17.23	105.97	
4	Govt (in crore)	-	22.31	26.09	22.44	26.23	19.24	116.33	

- **Mentioned other relevant information, if any –**
- **Provide concerned supporting documents/ photographs / link of website**

4. INSTITUTIONAL DEVELOPMENT PLAN (IDP):

4.1 Executive Summary: Give the Executive Summary of the IDP (Max.500 words):

The institution is keen to see that the students studying in the institute must have sufficient and well equipped facilities for their overall development. The institution aims to create an academic atmosphere in the institute. As per the recommendation of NEP 2020 and guide line to UGC. The college aims to upgrade its teaching learning program to attend academic excellence.

All the departments offer for a regular review and modification of different academic programs to ensure successful development of the knowledge and skills of the students. To introduce new value added and certificate courses, revise and upgrade the courses as per the current demands for employment and research.

Our first priority is to build more classroom, laboratories, well equipped class room/ ICT integrated class rooms, separate library building, more smart class room, spacious reading room, a big hall for yoga, seminar hall etc. The institute intends to encourage and persuade the faculty members to attend and organize the F.D.Ps., use of innovative teaching methodologies and to use pedagogical tools for presentation and demonstration.

Plans to develop innovative strategies and logistics in academic administration functions, and abreast of advanced developments activities for students to ensure stimulating class room to students in academic issues, methodologies and technologies.

The overall objective is to develop and strengthen the industry linkages in order to enhance employability and research work. It aims to improve relationship between higher education and the stakeholders so as to generate a sustainable competitive advantage. The institute ensure & adherence to UGC/government regulation and laws. The college aims to brand it sell in the excellence in the education of science, to develop unique identities based on their history, faculties, successful alumni and facilities. Alumni and facilities based on histories, successful by providing promising career options, guaranteed financial growth and research benefits. This will help the institution to attract multiple persons.

The institution plans to anchor not only in local but also regional and national research. Thrust and concerns which are locally responsive and globally competitive.

The institution plans to develop social responsibilities and awareness among the students by social out rich programs with social organizations, managing and setting up collaborative proposals with NGO's and conducting specials camps.

The institution further plans to give extra support to the weak students and organize training programs to improve the human values and humanity.

4.2 Need Assessment:

Sl. No.	Particulars	Assessment Inputs
1	Curriculum Excellence	<ul style="list-style-type: none"> Regular review and modification in curricula of different academic program offered by the department is carried out to ensure that students develop the knowledge and skills to be successful in the 21st Century. curriculum's flexibility allows PG students to decide which elective paper they want to study Syllabus is revised and upgraded as per current demands for employment and research requirements then approved by the Board of studies and Academic council and executed.

		<ul style="list-style-type: none"> • NEP oriented changes are incorporated • Value Added Course incorporated • Certificate Course to be started • Curriculum is framed in such a way to generate interest among students for learning higher courses • Curriculum helps students in competitive exams i.e. NET, SET etc • Opinions of members of corporate sector and alumni are incorporated in the revision of syllabus
2	Pedagogical Excellence	<ul style="list-style-type: none"> • P.G. level teaching is done using audio-visual facilities. • Internet facility is available for PG students for searching various topics related to their syllabus. Various descriptive models and charts are used to illustrate the subject. • Help of botanical garden and museum is taken for explaining complex topics. • Smart class room will be developed in future plan. • ICT enabled Classroom are used at P.G. and U.G. level • Classes for Communication Skills are organized. • Faculties attend and organize annual FDPs for enriching themselves and for students • Media Centre for Recording will be developed to make teaching process more effective • Training of faculties is done in innovative teaching methodology. Pedagogical tools are used for presentation and demonstration. • Bloom taxonomy is used.
3	Academic Administration	<ul style="list-style-type: none"> • Planning and revision of the syllabus is done • Allotment of syllabus for faculty members in Time Table is done. • Class test, Unit test and Internal Assessment Test are arranged. • Lesson plans are prepared and followed strictly. • Monitoring system is followed for completing course within set time frame • Extra coaching for slow learners is done. • Faculty development programs, teacher exchange or teacher internship programs are organized frequently • Enhancement of R&D is done • Head of Department is helped by Board of studies and Academic council to look after the academic administration including teaching, exams, and research. • Teaching is done as per the academic calendar issued by the Higher education department. • For academic improvement Unit tests and Seminar presentations are conducted for UG and PG Students. • Development of Departmental Library is done • Laboratory up gradation is done by including new equipment's.
4	Examination Reforms	<ul style="list-style-type: none"> • CBCS, Seminars/ Projects/ Group discussion is done as per guidelines of autonomous cell. • Internal assessment, test and seminar for P.G. are organized. • Examinations are conducted as per the ordinance approved by the University and autonomous cell. • The institute provides inputs to the university regarding the examination reforms and the reforms are promulgated by the university and autonomous cell are implemented by the institution.
5	Infrastructural Development & Maintenance	<ul style="list-style-type: none"> • Infrastructure development is carried out by RUSA and Janbhagidari samiti. • Maintenance work is done through PWD. • Rooms with ICT facilities for Communication Skills programs; OHP and Smart Boards are there. • Two P.G. Lab Construction • Up gradation of Computer Lab • . Modernization and strengthening of Laboratories • Establishment of new laboratories for existing UG Programs and for new PG Programs • Modernization of classrooms • Updating of Learning Resources Procurement of furniture • Modernization and strengthening of libraries and increasing access to

		<p>knowledge resource</p> <ul style="list-style-type: none"> • .Development of biodiversity garden for animals • Printer, almirah circulation counter computer SOUL Software, computer table, big size office table, revolving chair, cushion chair, property counter, photo copy machine, solar power backup, RFID system for library
6	Collaboration / Partnering with Knowledge and skills hubs	<ul style="list-style-type: none"> • Collaboration with CGCOST, CPET , NIT Pt. R.S.U and Foreign University • Industry academia partnerships are done through project and Dissertation work • Development of collaboration with industries, other institution for exchanging the knowledge and for work together to complete a task or achieve a goal are done. • Knowledge collaboration and partnership with University, research institute and colleges for conducting interdisciplinary research and teaching are done. • Planning is on progress for collaboration with SCERT; • Planning collaboration with Sanskriti Vibhag for traditional Chhattisgarhi art and culture skills.
7	Manpower Management	<ul style="list-style-type: none"> • As per UGC Guideline Five Faculties • Two Lab Technicians • Three Lab Attendant • Tech Assistant. For XRD & SEM are there in each department. • FDP and short-term training courses for teachers for their knowledge enrichment are organized. • New skills and competencies to handle new laboratory instruments and equipment are updated. • .The staff and administrative staff for training programs on Modern office equipment, Software, Office automation are motivated, • Maintenance of records Procedures and friendliness towards faculty and students are done. • Museum maintenance (Museum keeping) is done. • Library digitalization is there. • Manpower management is done as per norms of UGC, State government and Higher education department • Ground man for sports activities • One sports officer
8	Stakeholders Involvement	<ul style="list-style-type: none"> • Stakeholder involvement is through meetings organized with various stakeholders. • Parents-Teachers Meeting, Students-Teachers Meeting and meeting with Higher education department officials is organized. • Feedback of stakeholders i.e., parent, alumni and industrialists is taken for curriculum enrichment, infrastructure development and overall holistic development of students. • Fund Generation from alumni
9	Legal Compliances	<ul style="list-style-type: none"> • Legal compliances are addressed as per the guidelines of the State government
10	Creating Institutional Brand Image	<ul style="list-style-type: none"> • Quality teaching and research are done and is considered among the best in the state. • Continuous evaluation of stakeholder's perceptions is done. • Continuous monitoring on internal changes, like leadership transitions or new strategic plans is done. • Accreditation and Assessment by NAAC • Department adopted innovative practices to build the institutional brand image • Best practices are organized for promoting the institute as Centre of Excellence- Quality teaching to students for best result of students • Multi-disciplinary approach is followed to build and nurture effective brand image • It is proposed to develop further as center of research on some specific subjects. • Planning of Digital Publicity of achievements; • Devise and launch e- Newsletter; • Increase Communication Skills Programs • Consultancy will be developed for Nanotechnology

11	Research & Development	<ul style="list-style-type: none"> • Department is committed to take research projects and financial aids to develop state of art well-equipped laboratories and facilities for students. • Organization of Research and development workshop. • Facility to teachers to manage the research work • Planning to give incentive to teachers to manage their research work • Organization of workshops, conference for teachers • Planning to allotment of fund for attending conference, workshops and other institution laboratory visit • Participation and contributions of faculties in International/ National Conferences, Seminars, Symposiums, Workshops, and initiation of academic exchange programs. • New Research Lab Construction XRD & SEM Development of thin film lab , Server for Simulation Lab • Subscription of e books in library
12	Social outreach programs	<ul style="list-style-type: none"> • Various programs are planned to be conducted in the next five years like – cleanliness awareness program, health awareness program, literacy awareness program, Sickle cell test. • MOU with NGOs for Social Welfare (collaborating with Sakhi and Sankalp); • Adoption of schools and villages is done to improve social responsibility and awareness among students by social outreach program. • Regular interactions and program with social organizations, • Managing and setting up collaborative proposals and plans with NGOs and conducting special camps are done • Project based on social work to be introduce first and second semester PG classes. • Excursion tour is there in the syllabus
13	Monitoring and evaluation	<ul style="list-style-type: none"> • Regular internal academic audit and performance evaluation by the principal of the institute and by Higher education department, University, NAAC, NIRF etc. are carried out. • Manual system of student attendance. • Feedback mechanism- taken from student, parents and alumni on teacher, curriculum and institute.
14	Effective institutional governance	<ul style="list-style-type: none"> • It is brought about as per guidelines of Higher Education through Governing Body, Janbhagidari Samiti, Principal, Main Office and Departments • Less paper work • Student problems redressed quickly • Full Automation for Life Cycle Management of Students and Faculty Member
15	Employment / Placement	<ul style="list-style-type: none"> • Institute has a carrier and placement cell, every year various recruiters recruit from the institute
16	Supporting Students from Disadvantaged Backgrounds	<ul style="list-style-type: none"> • Scholarships and other facilities like, books and digital study material. etc are provided to students from disadvantaged background. • Extra coaching is given • Organization of training program or lecture for improving the human values and humanity and life skill • Extramural support to weaker students

4.3 SWOC Analysis:

Provide the details of SWOC analysis carried out (in terms of methodology used, analysis and information - data as collected and inferences derived with respect to strengths, weaknesses, opportunities and challenges).

A) Methodology Used (Max.500 words):

For conducting the SWOT analysis and to come out with reality based results with facts a three level based approach was adopted.

All the stakeholders of the Institute (Parents, Alumni, student union members, member of building committee, admission committee, time-table, grievance cell, class representative etc.) meet at least 3-4 times in an academic year to discuss the issues of the institute and find solutions to resolve them. The core committee headed with the principal as the chairperson and senior faculty members/ student representatives and alumni and other stakeholders. The committee conducted brain storming and came out with recommendations to indicate the strengths and weakness of the institute. The opportunities were utilized to build the strength out of weakness and threats. The Methodology included -

1. Parents- Teacher meeting feedback
2. Students feedback is taken in writing, teaching and curriculum feedback
3. Information of enrolled students from student section, timetable and availability of class room collected by timetable committee and student.
4. Non-teaching staff feedback
5. Alumni feedback
6. Information and data criteria from Auto cell.– academic
7. Feedback from administrative staff and Hostler separately.
8. Data from the professor in-charge of Girls common room.
9. Feedback of canteen from students and staff.
10. Feedback of cycle stand

Thus to achieve the goal of the institution is planned on strategic, tactical and operational. The operational plans lead to the achievement of tactical plans which in lead to the attainment of strategic plans. A number of meeting were held involving the stakeholders from the society, college level. The deliberation and feedback were obtained. All possible supporting documents were used for discussions to arrive at proper conclusions. The team met several times and had consultation brain storming sessions in participatory mode. Data collection and regular meetings were conducted which helped to work out and determine the strengths, weaknesses, opportunities and threats expert opinions were also taken and an action plan was drafted on the basis of the funding and priorities.

Teamwork and Stakeholder Participation

<p>● Core committee – A core committee is formed consisting of the Principal, faculty member from different department and the head of the department were constitute. The core committee has the member from guardian, student's representative and alumni members.</p>	<p>❖ Sub committees – The sub committees were constituted with a diverse group from office, library, sports, alumni, students other stakeholders with all the faculty members of the college. The annual committee formed every academic year was a part of subcommittee.</p>
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Analytic Framework –

SWOC Analysis Summary-

<p>Strengths:</p> <p>S1 Infrastructure</p> <p>S2 Well educated and experienced teaching staff</p> <p>S3 Sufficient open land for further development of infrastructure</p> <p>S4 NSS, NCC, Red Cross which promotes social responsibility among students</p> <p>S5 Healthy enrollment of student (GER)</p> <p>S6 Each PG department has own library, from where the books are issued to PG students.</p> <p>S7 College has Computer Science, IT department</p> <p>S8 College has separate Placement cell</p> <p>S9 College has its own Post Office and Health Center</p>	<p>Weaknesses:</p> <p>W1 Low research focus</p> <p>W2 Lack of Projects</p> <p>W3 College has inadequate number of class rooms, laboratory and separate library and auto exam building.</p> <p>W4 Campus Placement of students is lacking</p> <p>W5 Lack of Value Added Course and certificate course</p> <p>W6 Participation of Alumni is less than desired level</p> <p>W7 Shortage of Computer</p> <p>W8 No institution introtry interaction</p> <p>W9 No Smart/ technology enabled class rooms.</p>
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<p>Opportunities:</p> <ol style="list-style-type: none"> 1. Knowledge sharing through connection of other institute like NIT, IIIT, IIM, IKSU, IGKV, Hidayatullah, law university and others. 2. Student exchange program 3. Coaching and guiding students for competitive examination. 	<p>Challenges:</p> <ol style="list-style-type: none"> 1. Lack of computer knowledge to Lab Attendant, Lab Technicians and office staff. 2. Selection of students in National and International competition 3. To enhance the campus Wi-Fi connectivity 4. To increase the presence of parents in PTM
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4.4 Future Prospective :

Based on the strength and opportunities identified through SWOT analysis, the following strategic plans are proposed for long terms growth of the college and to sustain the growth.

The leadership decided and changed the statements as per NEP 2020. The major changes: moving from basic sciences to multidisciplinary studies; focusing on indigenous skills; socially relevant scientific and applicable research; employment and entrepreneurship.

After finalizing the Vision-Mission statement, the college went in for a deep analysis of its lacunae through a SWOC analysis. Academics facilitated by dedicated, qualified and experienced faculty is the main strength. Implementation of OBE, CBCS, and progress in Research underline the success. Student activities in all fields are commendable.

The DPR has been prepared to tackle the weaknesses and revamp the system by increasing and improving infrastructure; ICT enabled classrooms and upgraded research labs; filling up of vacant academic and non- academic posts; improving student-industry interface; focusing on employment and self- employment; and fund resource management.

In keeping with the strategies of growth, a DPR has been prepared. The DPR focusses on Faculty; Students, Research, Governance and Infrastructure. Student centric focus areas are academic monitoring and mentoring, improving employment and self-employment skills; and, building up a network for growth and progress in all fields.

Succession Planning Process: The year wise process has been designed to achieve the Vision-Mission.

- To organize programs on life skills necessary for post pandemic world
02. To conduct workshops for skill enhancement
 03. To train students for communication skills
 04. To strengthen Autonomy Cell as per Peer team recommendation
 05. To modify Syllabus and reform evaluation methodology as per directives of New Education Policy
 06. To make Student- Society interface stronger as per NEP guidelines
 07. To motivate students for participation in sports activities
 08. To motivate faculty members to upgrade their academic skills
 09. To enhance campus selection through placement cell
 10. To design value added and certificate courses for vocational training Approved by IQAC
 11. To sign MOUs with various agencies or institutions
 12. To arrange career guidance programs.

Plan of action for the next academic year

As per feedback collected from the different stock holder the following facilities are to be generated in the year 2022-23

1. To further Strengthen the ICT.
2. To arrange career guidance programs.
3. To have more industry academic interface so that there is more corporate participation in academics
4. Installation of more CCTVs cameras

5. To sign MOUs collaboration and linkages with various agencies or institutions
6. To purchase new equipment's for laboratories
7. Increase in no. of solar lights, rain harvesting capacity and vermin composite pits to make the campus eco friendly
8. To increase new reference books and journal in library
9. To procure more physical facilities for research.
10. Complete plans for campus instruction center
11. Conduct mentoring workshops
12. Sign new collaborations and MOU.
13. Increase research proposals for external funding by 10% over previous year.
14. Increase funding for research, development, and other sponsored programs by 10 % over the previous year.
15. Consultancy awareness.
16. Increase innovation, incubation & start-ups.
17. Introduce Indian Knowledge system and indigenous skills.

4.5 Institutional Goal:

The main objectives of the institute is to make the students successful citizen by improving the infrastructure and helping the students in the fields of employment. The institution further aims to make it a sustainable institution to fulfill the aims and objectives of the future generation and cater to their higher education needs and to create a special image to further make it an institute of science.

The institute wants to maintain equity by proceeding quality learning opportunities to all the strata of the society. So that the students coming from the tribal halt a brighter future through the intervention of our institution.

Vision- The vision of the College is to produce proud Indian Citizens, who adhere to the Constitution of India, and have a deep sense of responsibility towards enhancing India's unique identity and legacy through Indian Knowledge System and indigenous skills; to produce financially independent youth; to produce global citizens with 21st century skills; to inculcate ethical values in the youth.

Mission- Mission of the college is

- To make efforts to implement NEP
- To devise mechanisms that include all the stakeholders in holistic education
- To promote quality multidisciplinary education frameworks
- To restructure the curriculum and pedagogy as per regional needs
- To achieve excellence in Research through developing HOTS (Higher Order Thinking Skills)
- To devise employment generating programs and opportunities to achieve financial independence
- To increase 21st century skills like soft skills, language skills, employability, and ICT skills
- To develop a system that promotes human dignity, ethics, sensitivity towards humanity and environment
- To smoothen and ease the funding procedure to generate resources

4.6 Institutional Pedagogical Approach:

To achieve the broad objectives, the Pedagogical Practices and Policies shall be pivoted around the following:

➤ Teaching Policy –

The teaching policy of this institute emphasizes on recognizing, identifying, and fostering the unique capabilities of each student, sensitizing teachers as well as parents to promote each student's holistic development in both academic and non-academic spheres.

The teaching policy is flexible so that learners have the ability to choose their learning trajectories and programs, and thereby choose their own paths in life according to their talents and interests.

The teaching policy focuses on

Student-Centered Approach → Curriculum Design → Assessment & Evaluation
Teaching & Learning Methods → Faculty Development → Inclusivity & Diversity

Student Support Services → collaboration & Partnerships → Monitoring & Review

- |
- Multidisciplinary and a holistic approach to ensure the unity and integrity of all knowledge
- The emphasis on conceptual understanding rather than learning and learning-for-exams
- creativity and critical thinking to encourage logical decision-making and innovation
- Ethics and human & Constitutional values like empathy, respect for others, cleanliness, scientific temper, responsibility and equality,
- Life skills such as communication, cooperation, teamwork, and resilience;
- Use of technology in teaching and learning, removing language barriers, increasing access for Divyang students, and educational planning and management;
- Extra attention towards weaker students
- Students' encouragement for their innovative ideas and thoughts

- Continuous review of progress of students done by taking class test and internal assessments.

College has elaborated and extensive mechanisms put in place for the ongoing review of the teaching-learning process. IQAC undertake significant activities to continuously review the teaching learning process and to achieve higher benchmarks of quality.

The teaching policy includes -

Teaching and learning Principles



The approach to teaching & learning



Planning and Execution

Teaching and Learning Principle

The approach of the College towards teaching & learning is underpinned by the following key principles:

- Teaching & learning should be a professional, positive, engaging and rewarding partnership between teacher and the taught.
- Teachers should ensure that their students fully understand the learning objectives of their studies at every stage. In turn, students should reflect on their own progress towards achieving their goals and share responsibilities for their learning outcome.
- Teachers should develop the skills, confidence and motivation in students to transform into successful independent learners in their academic pursuits.
- The teachers should support the acquisition of English language skills and thereby open cultural, social boundaries of the students.
- Teachers should approach teaching & learning with a cosmopolitan outlook, actively seek new ways to motivate and engage students and utilize the technology and other resources available to enhance the teaching & learning experience.
- Each and every student should be provided with the equal opportunities, resources and support they need to fulfil their academic pursuits.
- Teachers should be provided with the opportunities, resources, training and support they need to fulfil their teaching abilities
- Teachers are encouraged to be reflective, assessing their own performance and developmental needs, and to work together to share best practices and support each other's prospects.

The approach to teaching & learning

The College defines its approach to teaching & learning based on its vision, context and guiding principles, as follows:

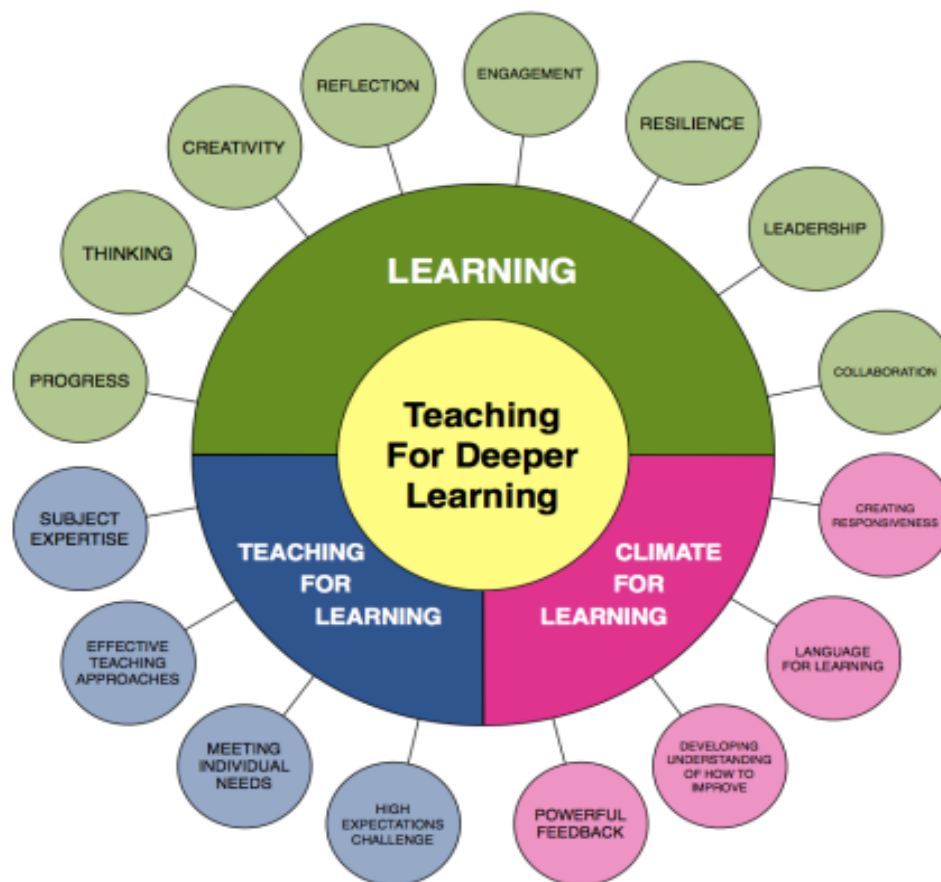
- Admission criteria has been advanced to ensure that students have suitable academic foundations and communicative and professional skills to progress in their chosen academic program

- Student admissions are monitored through various committees, who provide information, advice and guidance in order to help students to choose the right program and prepare for their studies.

Planning and Execution

- Preparation of Academic calendar and action plan
- Preparation of Teaching plan, Teacher's diary and attendance record of the students
- Adoption of innovative teaching methods and ICT tools
- Monitoring of the teaching-learning process by Head of the departments and principal regularly.
- Conduction of formative and summative assessment as per the schedule
- Appraising of the performance of teachers by collecting feedback from students, course-wise examination results, result analysis and result summary.
- Feedback from parents and alumni and to carry out action plan.
- Monitoring of smooth functioning of the college at academic and administrative level
- Weekly general knowledge tests to prepare students to live in a competitive world and success in global arena.
- Student progression and placement through placement cell of the college.
- Harmonious interpersonal relationships between teachers and students.
- Research facilities and laboratories up gradation for enhanced research.
- Departmental and institutional committee to encourage enrich the performance of the students in various fields like academic, sports, cultural activities.
- Provision and opportunities for teachers for resources, training and support they need to fulfil their teaching abilities
- Encouragement to the faculty for excellent performance in teaching, research and extension activities.
- Programs that enable progression into higher education have been specially cater to the needs of the students.
- Curriculum policies are in place for every program and are reviewed and updated from time to time to reflect the needs and goals of the students, akin to the global academic standards.

Features of effective teaching and learning



Research Policy –

➤ RESEARCH POLICY OF THE COLLEGE

- College has its own Policy to promote Research activities. The code and conduct of Research policy has been adopted from Ordinance 45 of the Pt. Ravishankar Shukla University which awards Ph.D. degrees to Research scholars. The research policy maintains ethical standards in Scientific Research for better results and prevents misconduct like plagiarism. Research is conducted in the college by following the rules laid in policy.
- 1. Research work for the award of PhD degree is conducted in the seven Pt Ravishankar Shukla University authorized research centres: Botany, Chemistry, Defense Studies, Geology, Mathematics, Physics and Zoology.
- 2. Faculty members who are registered as guide in the University are permitted to act as Supervisor/Co-supervisor for guiding research for the award of PhD degree.
- 3. Selection of Research scholars is made on the basis of the entrance examination conducted by Pt. Ravishankar Shukla University. Selected students opt for research centres. At the Research centre, Supervisors are allotted as per the vacancy under the registered supervisor, according to the policy of the government. College follows UGC guidelines of 2009 and UGC 2016 and Ordinance 45 of University (as approved by Co-ordination Committee on 19. 04.2017) as the principal document for research.
- 4. The College provides all the facilities to its Faculty members and Research scholars for conducting research.
- 5. Research committee promotes Collaborative research, Projects, fellowship , High impact research, organizing Seminars and Conferences to promote research activities.
- 6. Departmental Research Committee (DRC): DRC consists of the Principal of the college as Chairman and registered supervisors as members. There should be at least 3 members including Chairman. If the number of supervisors is less than 2 then the Vice Chancellor nominates a member.
- Functions of DRC:
 - 1. Selection and admission of Ph.D. students
 - 2. Allocation of Research Supervisors for students enrolled for the Ph.D. programme depending upon the vacancy, the number of students per faculty member permitted by the university, the available specializations among the faculty supervisors, and the research interest of the student as indicated during the interview of the student.
 - 3. Assessment of redundancy of research proposals Page 42/109 30-11-2020 12:50:47 Self Study Report of GOVT. NAGARJUNA PG COLLEGE OF SCIENCE RAIPUR (CG)
 - 4. Evaluation of research progress every six month
 - 5. Approval of the synopsis of PhD thesis
 - 6. Pre Ph.D. presentation is evaluated by DRC. After successful completion of course work, the Synopsis of PhD is forwarded to University for approval in the RDC (Research Degree Committee) for formal Registration.
- Plagiarism Check: Manuscript submitted to the cell is checked in Urkund software. Before submission of Ph.D. thesis, it is mandatory to check Plagiarism. Thereafter it is sent to the University Plagiarism Cell for the certification.
- IQAC cell - IQAC cell of the college also monitors the quality of research, through academic audit.

Community service Policy

Objective -The existence of higher education institutions is not only to produce science and knowledge and to provide vocational training but also to bring out good citizens, good society; to find solutions to the ecological, economic and social problems and needs at the local and global level, to improve the quality of life. The institution has also the task of educating and shaping the “human being” as a social entity, while producing the scientific knowledge required for this, contribute to the good citizens and profession by the knowledge it produces, by transforming this information into behavior in the next step, also aims to create a livable society

Institutional Community service Policy includes activities like

- Monitoring of school
- Educational trip
- Skill development -Training programme
- Sweep- enrolment of newly admitted students, discussion on the electoral awareness, slogan writing, Nukad natak,
- Personality development programme
- Programs on gender issue

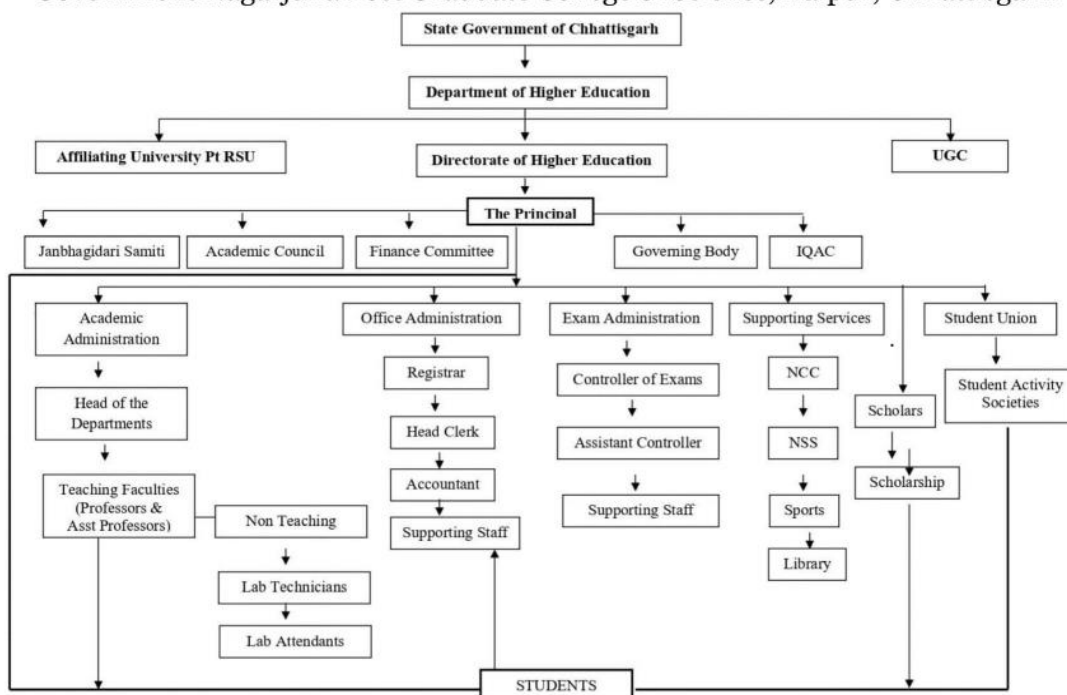
Management Policy –

Objective -The management policy of the institution is based on UGC guidelines. These guidelines require that each college should satisfy a range of requirements varying from the provision of adequate infrastructure (land, buildings, teachers and staff, books and equipment,) to its management structure.

Management of Higher Education

- A principal is the head of the college. He is appointed by government of higher education
- There is Vice-Principals to assist the principal appointed from among the senior teachers of the college.
- An administrative officer who is the administrative head of the institution and personnel required for the college administration and maintenance of accounts.
- There is an autonomous cell to regulate and take care of examinations and results .
- Student section of the college keeps the record of the detail of admitted students.
- Committees of faculty members are formed for admission of students for different classes which works on the rules and regulation of higher education department.
- IQAC cell of the college takes care of academic quality maintenance.
- Sports department looks after the physical activities and participation of students in different sports at college, university, state and national level.
- NCC, NSS, YRC manages different activities of the college.
- There is a governing body and Janbhagidari samiti of the college to discuss work towards upliftment of the college.
- Every department has its own committee of board of studies to look after syllabus and curricular aspects.
- Research committee looks after research related work.
- Different committees are formed for smooth running of activities through the session.

Government Nagarjuna Post Graduate College of Science, Raipur, Chhattisgarh



Social Responsibility Policy –

Objective of Institutional social responsibility policy is based on sensitization of students and staff. Institution is committed to be a socially responsible. As the institute is science institute the social responsibility of the institute is the confluence of scientific knowledge with visionary leadership and social conscience. Social responsibility policy is about building synergies among all stakeholders in our scientific knowledge community and also about developing linkages between science and society. This primarily involves bridging science-society, science-science and society-science gaps, thereby bringing trust, partnership and responsibility of science at an accelerated pace towards achieving social goals.

This specifically implies:

1. Science-society connect: Facilitating inclusive and sustainable development by transferring the benefits of scientific work to meet existing and emerging societal needs.

2. Science-science connect: Creating an enabling environment for the sharing of ideas and resources within the knowledge ecosystem.

3. Society-science connect: Collaborating with communities to identify problems and develop scientific and technological solutions.

4. Cultural change: Inculcating social responsibility among the individuals and institutions practicing science; creating awareness within society; and infusing scientific temperament into day-to-day social existence and interaction.

Activities to be carried out by different categories of stakeholders include:

- i) Lectures by scientists in colleges for inspiring students to study science and take up career in science.
- ii) Engagement and Training: Mentoring; internship; setting up displays in college for the public (museums, libraries), mentoring of college students in their innovation projects
- iii) Setting up and maintaining interactive exhibits in institute for the public (museums, libraries)
- iv) Skill development through training and workshops
- v) Sharing Infrastructure: Instruments; equipment; databases; research facility non-proprietary software; non-proprietary digital platforms
- vi) Demonstration of solutions and technologies: Technical or scientific solution to local problem (environment, ecological, health, hygiene and similar
- vii) Working with innovators: Technical support to rural and local innovators; solving specific problem
- viii) Scientific and Technological information in simple local language and disseminate through social media communication like articles and interviews.
- ix) Training on high end scientific skills and research facilities.
- x) Converting important research problem and/or the finding of the research work into popular science articles/ stories for newspapers/ magazines and other print and electronic media including social media. In-house competitions may be held to encourage this activity.
- xi) Delivering scientific talks to remove superstition among society.
- xii) Science and technology-based empowerment of women and weaker sections of the society by awareness building, training programs.
- xiii) Health related activities- Handwashing program, AIDS awareness rally, Blood donation camp and AIDS awareness rally, Yoga training, Yoga camp, International yoga day celebration, blood donation camp, health awareness program, sickle cell disease awareness and screening camp., eye and dental check-up camp.
- xiv) Environment related activities- Plantation, clean campus activity, Swachhhatta Abhiyan on Ozone day celebration,.Plantation of medicinal plants Awareness program about medicinal plant Organize clean campus Mission Polythene awareness program, Fuel Conservation programme

4.7 Strategic Plan:

Based on 4.2, 4.3, 4.4, 4.5 & 4.6, provide the “strategic plan” for institutional development

No.	Area	Plan	Justification	Remarks
1	Academic	<p>1. Value Added Courses; English for Employment; Personality Development, Communication Skills.</p> <p>2. New Certificate Courses</p> <p>3.Starting of new optional courses, 4.new vocational courses, 5. New diploma courses new value-added courses 6. Field work in different part of the state. 7. Enhance the relevance and quality of existing courses 8. introducing add on courses-</p>	<p>1. English is needed for higher education, employment, and self -employment.</p> <p>2. Enhancing quality of the teaching learning program</p> <p>3. To address the regional demand and employability opportunities in areas like ethno botany. pharmacology, medicinal botany, Fisheries, Apiculture, vermicomposting</p> <p>4. To provide choice to the students for selection of subject under. Field work for inventory phytodiversity</p> <p>5. biodiversity.</p> <p>6. Greater access and equity in education, employment and opportunities for growth</p> <p>7. Greater employability and provision for students to go on higher studies and research</p>	
2	Laboratories	<p>1.Up-gradation of Computer lab 2.Up-gradation of existing all UG Labs 3.New UG lab in Botany, Zoology and chemistry Department according to student ratio 4.Separate PG Lab in every Department, 5.Research lab in every department 6.Tissue culture Lab in Botany and Biotechnology will be developed. 7.One Smart classes in each P.G. department 8.Modern well equipped laboratories with new sophisticated instruments -Microscopes -Microscope with camera -computers, - LCD projectors, - ICT integration, -Software of demonstrating animal dissections</p>	<p>strengthening existing course</p> <p>To enable the students with the relevant skills for research and vocation by providing opportunities for hands on practice.</p> <p>Introducing new courses and strengthening existing course.</p>	
3	Research	<p>Botany -Assessment of Phyto biodiversity of area. -- Conservational practices of ethnomedicinal plants. -Extraction of drugs from plants. - Research on increasing efficiency of plants for drug production. -Development of plant through tissue culture.</p>	<p>To give students knowledge and skills in the diversified application areas of biological sciences to strengthen their employability and research skills.</p>	

		<p>-Studies of aero mycology. -Identification of plants and their studies. -Bioremediation for avoiding pollution</p> <p>Zoology</p> <p>.- Upgradation of research lab -Subscription of Reputed Journals - A functioning research cell will be set up in the department to plan and organize seminars and workshops to provide information about research methods and techniques to both students and teachers.</p> <p>- local fauna collection to study biodiversity -develop network with other universities for faculty and student exchange program. -Promote industry academia partnerships - Focus R and D on improving present technologies</p>		
4	Infrastructure	<p>-2 rooms for English Skill development programs</p> <p>-Renovation of existing departmental structure -Fire extinguisher Cupboards for Faculties</p> <p>-7 Smart classroom in every P.G. Department -Tissue culture lab in Botany, -2research room in Botany and Zoology - herbarium room in botany. -Development of Biodiversity Garden -5 UG lab, -1seminar hall - Renovation of existing structure Faculty toilet in Botany and Zoology, -RO water purifier in staff room(14) -. Fire extinguisher in each corridor(20). - Library automation main and departmental - Digitization of the library main and departmental - Re-establishment of Handball court</p>	<p>-Rooms needed for Value Added and Certificate Courses</p> <p>-Updation of Learning Resources Improving basic amenities</p> <p>-To provide students with knowledge and skills in research</p> <p>-Quality education through better infrastructure .-Moderanisation and strengthening of libraries and increasing access to knowledge resource -Upgradation of Learning Resources -Improving basic amenities - For recreation and keep students physically fit</p>	

		Tennis court Basket ball court Multipurpose hall for yoga and badminton		
5	Governance	Stakeholders inputs and participation. -Technology based Departmental Office management & Library automation, - up gradation of website, - software support - management of admissions	To have effective and efficient governance that helps in delivering the objectives. e- governance promoting accuracy and efficiency	
6	Learning Resources	ICT enabled classroom; OHP / Smart class -Use ICT tools Create class wise Whatsapp group -Audiovisual, charts, online resources, specimens and Museum specimens. -Software for learning and developing skills -Prepare online lectures - prwparation and up gradation of question bank - Reference books for PG and research, -CD, Videos of dissection , - enrichment of museum - Computer -Continuity of highspeed network - classes for competitive exams - collaboration with local and other industries - field and Industry visits	-Communication skills programs need ICT; -To help students in learning. -Strengthen the Department by enhancing the existing capacity. -Provide better environment for holistic development of students -Generating interest among students for learning higher courses. -- Enhancing Employability	
7	Students' support	-Special Extra Classes for both advanced and slow learners -Help of alumni, different industries, CSR, MOU and collaboration. -Coaching for NET/SET - Career Counseling, - placement activities and imparting of the skills/personality development - Identify skill gap,	-English is necessary for personality development and livelihood; it is a second language in which students are weak. Multifaceted support can be arranged by collaborating with alumni, industries to meet the requirements for infrastructure, employment, and mentorship.	

		-Motivate students, -develop industries specific skills, - increase brain storming sessions for self-awareness and self-analysis,	Strengthen the placement and improve networking conducting classes for competitive exams. Skill development	
8	Extension activity	- MoU with NGOs - Social Welfare programs; - Collaboration with industries and research labs -Soft skills and personality development programs -Arranging awareness programs about medicinal plants, endangered fauna and flura, - biodiversity -study programme, phytoremediation, composting etc. -Field visit -Social activities - life skills - cultural skills through extracurricular activities	- Raising awareness and sensitizing students. -Empowering students to become responsible Software professional -Such extension activities will help in creating awareness about role and importance of biological sciences. -plans to develop capacity development projects to students so that their employability will increase. -Empowering students to become responsible citizen.	
9	Any others	-Efforts will be made to improve the needs of computational facility, Arrange Campus Drive for PG students iv. Student counselling v MOU's with local industry for research, training	-to improve the standards of PG programs. - Improving competence in teaching and training.	

❖ **How the key activities proposed in the Institutional Development Plan are linked with the results of SWOC Analysis (Max.500 words):**

- Strategic Plan for institutional development based on SWOC analysis
- Building up on our strengths,-Introduction of new courses to make education accessible to more women students from rural areas and less privileged sections of the society.
- Enhancement of the quality of courses currently offered by making them more relevant, skill focused and responsive to the demands of the employment industry and to introduce Add on courses to improve employability of the students.
- Improvement of the infrastructure.
- Effective teaching learning process by introducing smart classrooms, ICT integrated teaching and trained faculty in innovative teaching methodology.
- Improvement of social responsibility and awareness in the students by pushing for more collaborative interaction between agencies working with a social concern
- Innovative teaching methodologies to empower students.
- Committees and cells to empower the students like Placement cell, Women Empowerment and Harassment prevention cell, NSS, Red Cross, Scouts and Guides, Sports committee, Cultural committee, Red Ribbon and Students welfare committee.
- Instrumental role of the alumni of the institution in launching various programs in the campus.
- Set up of e-library with Inlibnet facilities so that both students and teachers are provided with e-books and e-journals.

- The institution has plans to create functional subject-wise forums in each of its departments, wherein every department is asked to conduct outreach programs like seminars, workshops, conferences at all levels and use the resources of both students and its faculty to benefit society at large.
- The institution also has plans to impart computer skills to its faculty, administrative staff and students and make them techno-savvy so that they can learn more and they can be reachable.
- All the teaching faculty get registered for PhD and all of them publish articles in peer-reviewed journals.
- Improvement of the pedagogical practices and subject specific knowledge of the faculties.
- To upgrade the management skills of administrative staff and faculty, training on Soft skills, KFC, KCSR, UGC acts and University acts will be arranged.
- Increased learning outcomes of the students:
- Measures to improve the results like taking remedial classes for slow learners and taking the help of advanced learners to assist the slow learners.
- Motivational classes to increase an urge to complete their courses. Attempts are made to increase transition rate and pass percentage of weak students.
- Courses and training to develop life skills and learning abilities.
- Life skills will be organized through various cells.
- Academic skills through tutorial and other means.
- Promotes cultural skills through extracurricular activities
- Field surveys, Industrial visits and study tours will be conducted regularly.
- Project works, periodical seminars, workshops, special lectures, group discussions will be arranged.

❖ **State the specific objectives and expected results of proposed plan (in terms of “Institutional Strengthen and Improvements in employability and learning outcomes of Graduates”). These objective and results should be linked to the SWOC analysis (Max.500 words):**

Specific Objectives and expected results linked to the SWOC analysis

- Opening of new courses - Greater access and equity in education, employment and opportunities for growth
- Enhancing the relevance and quality of existing courses by introducing add-on courses-accounting, web-designing, apparel and beautician course - Greater employability and provision for students to go on higher studies and research
- Strengthening the placement cell and improve networking conducting classes for competitive exams and collaboration with local and other industries - More number of students to be employed.
- Addressing infrastructure requirements - Library building to be constructed, digitalization of the library, science and language laboratories to be set up, more than 30 technology enabled classrooms, toilets, staffrooms, auditorium, playground and indoor sports room, projectors, computers -- Quality education through better infrastructure.
- Introducing ICT based instruction, smart classrooms, books, magazines, journals, e-journals, reading rooms- Quality education through effective teaching methodology.
- Enabling private public partnership by inviting and collaborating with NGOs and other agencies - Social responsibility, civic awareness and self- reliance among students.
- Organizing and attend seminars, workshops, conferences, encourage research projects and publications, provide consultancy services - Better equipped faculty promoting quality education.
- Office automation, management of admissions and examinations, website up gradation - e- governance promoting accuracy and efficiency

State the strategic plan to implementation of Students’ centric Teaching Learning methods and catering the status of ‘Slow learners’ and ‘Advance learners’ (Max.500 words):

Activities for slow learners: •

Types of teaching methods include differentiated instruction, lecture-based instruction, technology-based learning, group learning, individual learning, inquiry-based learning, kinesthetic learning, game-based learning and expeditionary learning.

- Providing books or other materials at different reading levels.
- Hosting small groups to provide tailored advice to students.
- Offering one-on-one after-class room help to students encountering challenges.
- Discussing student progress and at-home educational strategies with parents through PTM
- Measuring progress in different ways, through projects, portfolios and participation.

- Virtual classrooms using video conferencing .This can be especially helpful for students with disabilities who may have difficulties focusing in a physical classroom environment.
- Segmenting students into groups and teaching skills in collaboration.
- Special Coaching class for slow learners.
- Providing handwritten notes for easy understanding.
- Giving counseling.
- Giving additional learning materials like question bank, university question papers etc.
- Provisions of extra one hour to conduct problem solving sessions /revision sessions/extra sessions
- Personal attention by respective subject teacher in teaching
- Assignments and solving question papers
- Counselling – special hints and techniques

Activities for advanced learners:

- Motivation to participate in various technical events online courses like coursera, solo learn, Industrial visit, value added course etc, which are held both within and outside the institution
- Providing effective training in English communication skills.
- Involving them to do online certification programmes.
- Taking up competitive exam training programmes.
- Providing placement activities
- Advanced assignments or tasks be assigned to advanced learners
- Encouragement to complete MOOC/Advanced courses
- Encouragement Participation in Seminars/Conferences/professional Events

❖ State the strategic plan to integrates the Crosscutting issues relevant to Professional ethics, Gender, Human value, Environment and Sustainability into the Curriculum (Max.500 words):

Gender

- Programs conducted for women and girl students such as organization of folk dance competition, hemoglobin check up camps.
- The committee for Woman Antiharassment and internal complaint committee organizes programs on Woman Empowerment, Laws for Woman, Women’s Day,
- The N.S.S. conducts different extension activities not only in college premises but also in adopted villages also.
- Major gender issues are focused and addressed through the activities like Save girl child campaign, Essay and poster exhibitions, wall paper presentations, etc.
- The college has Women Grievance Cell and Grievance Redressal Cell to provide counseling to students, promote gender equity among students and also deal with related issues of safety and security of female students, staff and faculty.
- The college campus is secured with CCTV and high level security.
- There are separate Boys & Girls hostel (In-campus) for providing the safe environment to all students.

Environment and Sustainability

- The course “Environment & Ecology” related to ecosystem, its balance & sustainability is an integral part of the curriculum of the second year.
- University prescribed this course for creating awareness and developing importance of environment among students.
- The College has an integrated rain water harvesting System along with STP.
- The waste water is reused for gardening in the college campus.
- There is an extensive ongoing tree plantation program. College celebrates the day of National importance as Earth day, Environment day and Ozone day. The college organizes workshop/ seminars on Environment & Ecology to make students aware about efficient use of natural resources.
- N.S.S. promotes environmental protection through tree plantation and other sustainable development programs. Every year, N.S.S. unit undertakes a host of activities in the nearby villages during the special camps. In these camps, N.S.S. organizes various environment related programs including tree plantation, village cleanliness, cleaning of gutters, digging of soak peats, eradication of Gajar grass, plastic free drive, Poster Competition, Debate Competition, etc. Various activities like quiz and poster competitions, invited talks are organized to create awareness about nature, biodiversity, environment and sustainability. Different activities have been initiated by the college to save environment such as Cleanliness Campaigns at Temple places, Bus and Public spaces etc .Celebration of various days like World Environment Day, N.S.S. Day, etc. The college has taken initiative in Swachh Bharat Summer Internship (SBSI) Abhiyan and Tree plantation programs which are introduced by the Indian Government.

Human Values and Professional Ethics

- To create scientific approach and social awareness among the students, lectures and quiz, essay, etc. are by NSS and other NGO or, govt. bodies. Programs conducted under N. S. S., N.C.C., YRC, SVEEP, help to inculcate human values among students. Guest lectures on value education have been organized for students. National festivals like Independence Day

and Republic Day serve as a platform to enliven patriotic and moral values. Different social activities have been initiated by the college like Health and Hygiene awareness programs, Medical check-up camps, AIDS awareness programs, Voter's awareness program, Road safety Campaign, Blood donation camps, Sickle cell screening camps etc.

❖ **State the strategic plan to institutionalizing the Personality development, Soft skill development and Community outreach programs (Max.500 words):**

- Lectures by scientists in colleges for inspiring students to study science and take up career in science.
- Engagement and Training: Mentoring of college students in their innovation projects
- Skill development through training and workshops
- Demonstration of solutions and technologies: Technical or scientific solution to local problem (environment, ecological, health, hygiene)
- Working with innovators: Technical support to rural and local innovators; solving specific problem
- Scientific and Technological information in simple local language and disseminate through social media communication like articles and interviews.
- Delivering scientific talks to remove superstition among society.
- Science and technology-based empowerment of women and weaker sections of the society by awareness building, training programs.
- Environment related activities- Plantation, clean campus activity, Swachhhatta Abhiyan on Ozone day celebration, Plantation of medicinal plants Awareness program about medicinal plant Organize clean campus Mission Polythene awareness program, Fuel Conservation programme.
- Health related activities- Handwashing program, AIDS awareness rally, Blood donation camp and AIDS awareness rally , Yoga training ,Yoga camp , International yoga day celebration, blood donation camp ,health awareness program sickle cell disease awareness and screening camp., eye and dental check-up camp.
- English and Hindi department to develop language skill and communication skill.

❖ **State the strategic plan to improving the Grade provided by NAAC (Max.500 words):**

- ❖ Setup strong industry connects, conduct workshops; such as MDP, FDPs with collaboration with industry and provide suggestions for process improvement as well as curriculum improvement.
- ❖ Entrepreneurship Development Cell will be established with an objective to build strong brand presence among the industry by constantly interfacing and interacting with the stakeholders.
- ❖ Outcome based education by developing course plans with objectives and outcomes.
- ❖ Alumni Portal to connect with the alumni and utilize their services, like Guest Lectures, Internship opportunities, placements, etc.,
- ❖ Regular training & placement in the area of communication skill and aptitude to the students to make them employable.
- ❖ Encouragement of students to pursue internships during the vacations and acquire necessary problem solving skills.
- ❖ Encouragement of the students to compete in external competitions (tech fests, paper presentations and idea and innovation contests) for which students projects are certified by companies
- ❖ Set up of companies specific incubation labs to develop students ability with innovative products in a cost effective manner.
- ❖ Advanced system IT lab to execute latest projects and enable students to experience the latest software and equipment.
- ❖ Parents meet to take the regular feedback about the progress of their ward and overall development of the college.
- ❖ A unique counseling process is followed wherein each faculty is allocated 20 students as a Proctor with an objective to constantly follow student progress and accordingly suggest changes in case of any deviation.
- ❖ Placement Training Programme To make the students job ready,
- ❖ Best practices followed in Green Initiative Energy conservation
- ❖ Use of renewable energy , Interactive solar power generating .
- ❖ Water harvesting
- ❖ Rainwater harvesting
- ❖ Plantation
- ❖ Botanical garden in the college campus.
- ❖ e-waste management
- ❖ Internet/Wi-Fi facilities available for students residing in the Hostel.
- ❖ Language laboratory equipped with modern IT
- Industrial tour for students for learning the ability of students as they can observe class room concepts practiced in the industries.
- Pre-Placement test to prepare the students for campus interview,.
- Enrichment of Skill Sets of student by promoting the students for their involvement in co-curricular activities within and outside the campus by assigning additional credit under an able guidance of faculty
- Conducting guest lectures, workshops and seminars to encourage higher education within and outside the country

5. DEVELOPMENTAL OBJECTIVES:

(For each heading, the number of objectives and the list of activities under each objective can be less than or more than three as per plan.

Example: Curriculum Excellence Objectives- (Define objectives and required activities for the goals exemplified above as applicable for the institution in the same format as above for all the developmental objectives listed above)

➤ Curriculum Excellence Objectives

Based on the Needs Assessment undertaken in an earlier section, please define the objectives and the required activities these objectives are reasonably attainable considering your institutional capacity and likely funding support	
Objective 1	Curriculum Excellence Objectives (for universities/ autonomous colleges only) 01 Semester system will be introduced in B.Sc. Part II and Part III. 02 New values added & certificate course will be introduced. 03 To develop overall personality of the students. 04 Skill development for learning.
Objective 2	Pedagogical Excellence 01 At least two class room with smart board for P.G. classes. 02 Teaching comprise online learning, learning through mobile application and web based learning (ICT methods) 03 To develop approach learning. 04 Integrated approach for learning.
Objective 3	Academic Administration 01 Develop of departmental and college e-library and e-resources. 02 Execution of activities according to academic calendar. 03 To share every day lesson plan to students. 04 To Monitor the completion of syllabus within prescribed time.
Objective 4	Examination Reforms 01 To inform students about question pattern. 02 To inform students about Blooms taxonomy. 03 Complete assessment of skill and personality of the students.
Objective 5	Infrastructural Development & Maintenance 01 Up-gradation of UG and PG labs. 02 Extension and renovation in old infrastructure (room for equipment's, seminar hall, library facility, and separate toilet for department.) 03 One separate canteen.
Objective 6	Partnering with Knowledge Hubs 01 Collaborative project to promote exchange of knowledge. 02 To sharing and Apply knowledge. 03 Collaboration with CGCOST, CIPET, NIT, Pt RSU and foreign universities. 04 Generating or creating knowledge.
Objective 7	Automation and Information Technology 01 Full automation for life cycle management of students and faculty members. 02 Enhancing creative thinking skills. 03 Automation of office activities and autonomous exam cell.
Objective 8	Stakeholders Involvement 01 Fund generation from alumni. 02 Developing strong network with all stakeholders. 03 Involment of stack holders in higher education.
Objective 9	Manpower Management 01 Trained the lab technician and attendents. 02 Accurate estimation of manpower requirements. 03 Motivation for employees. 04 At the departmental level, fulfill manpower demands.
Objective 10	Legal Compliances

	01 Legal adviser appointment for college. 02 Stopping ragging in college campus. 03 Resolution of RTI and legal problems of college.
Objective 11	Creating Institutional Brand Image/ Ranking 01 Advance curriculum and teaching pedagogy. 02 Influence the students for quality research. 03 Through well qualified faculty. 04 By career counseling and placement services.
Objective 12	Research & Development 01 New Research lab with well-equipped operation for research. 02 Promote interdisciplinary research. 03 Need to inspire PG students for applied research.
Objective 13	Social Outreach Programs 01 To introduce excursion tour in the syllabus. 02 Education oriented outreach program. 03 Build a sense of responsibility in the students towards the society. 04 Project based on social work to be introduced for students of UG and PG students.
Objective 14	Monitoring and Evaluation 01 Regular feedback of students. 02 Incorporate stakeholder view and promote participates. 03 Results based monitoring and evaluation. 04 Yearly academic audit and performance index report.
Objective 15	Employment 01 Start value added course. 02 Motivate students towards identifying entrepreneurial opportunities. 03 Expand learning, knowledge and skills.
Objective 16	Supporting Students from Disadvantaged Backgrounds 01 Remedial classes bridge course and skill development programs. 02 Motivate students to reach the learning goals. 03 Personality development program and career counseling. 04 Distribution of books stationary and digital study material to students.

The activities mapped with the nodal person and milestones can be mapped like this-

List the activities required to meet Curriculum Excellence Objectives									
Sl.	Activity	Y1	Y2	Y3	Y4	Y5	Nodal person	Monitoring & Evaluation Plan	Sustainability plan
01	01 Syllabus has been made for B.Sc. II and III. 02 Apply for permission from state govt. and university. 03 Organize invited lecture on personality development. 04 Organize Skill based training programs. 05 Encourage students to grow plants in vicinity, bird watching learn about local endangered and Extinct species.	√	√	√	√	√	Dr. R Diwan	To be done by HoDs and Head of the institution	
2	01 Planning for infrastructure and ICT enabled class rooms. 02 Initiating budget proposal to authority. 03 To organize group discussion. 04 To arrange information exchange	√	√	√	√	√	Dr Seema Gupta	To be done by HoDs and Head of the institution	

	programs.								
3	01 Develop facilities for departmental and college e library and e resources. 02 Every department to follow academic calendar. 03 To inform lesson plan to students through whatsapp group. 04 Preparation of daily diary with proposed work.	√	√	√	√	√	Dr Anjali Oudhia	To be done by HoDs and Head of the institution	
4	01 Preparation of question bank to model question papers. 02 Preparation of sample question for Blooms Taxonomy levels. 03 To include seminars/projects/dissertation and group discussion in the curriculum.	√	√	√	√	√	Dr B R Verma	To be done by autonomous Examination cell	
5	01 Renovation plans UG and PG lab approval by PWD budget sent to the authority. 02 Extension and renovation plan sent to PWD. 03 Plan of canteen approved by budget to the authority.	√	√	√	√	√	Dr N B Singh	To be monitored by IQAC	
6	01 MoU is to be done with certain condition. 02 By interaction with other stakeholders and broader communities of interest. 03 Renewal of old MoU's and signing of new MoU's. 04 By original research and through refining testing and implementing new applications of existing knowledge.	√	√	√	√	√	Dr VK Kanungo	To be monitored by IQAC	
7	01 To purchase new software for full automation of library, exam and administration. 02 Lecture on enhancing creative thinking skills. 03 To prepare enterprises resource planning (ERP) documents of full automation.	√	√	√	√	√	Dr Yogeshwari Pal	To be monitored by IQAC	
8	01 To enhance activities of alumni association and develop a database. 02 To organize alumni meet frequently. 03 Lecture on role of a stockholder in higher education.	√	√	√	√	√	Dr GK Pandey	To be monitored by IQAC	
9	01 Training program for employees. 02 Assessment of the manpower situation. 03 Organize motivational lectures. 04 Workload calculation as per need of departments and proposed to be sent authority.	√	√	√	√	√	Dr SK Bhatt	To be done by the Head of the institution	
10	01 Proposal to be send to the authority. 02 By awareness campaigning programs. 03 Formation of legal committee in college.	√	√	√	√	√	Dr Alok Kumar Luka	To be done by legal cell	

11	01 By regular revision in curriculum and up-gradation in teaching pedagogy. 02 Motivational and advance lab to be provided for research scholars. 03 Organize training programs/workshops for faculty 04 Inform students about vacancies, job related advertisement and campus placement organized by placement cell.	√	√	√	√	√	Dr Sunita Patra	To be done by IQAC	
12	01 Construction plan of new research labs will be sent to PWD and purchase of advance instruments. 02 Generate and refine the ideas for interdisciplinary research. 03 To include project work/dissertation in PG curriculum.	√	√	√	√	√	Dr VK Jena	To be done by research committee	
13	01 Get approval from authority and to get budget. 02 Organize lecture related to different topics i.e. health/environment protection etc. 03 Organize lectures for the of society. 04 To take approved for the above.	√	√	√	√	√	Dr Saroj Sharma	To be done by NSS committee	
14	01 The feedback provided from midterm, terminal and ex post evaluations. 02 Regular meeting with stakeholders. 03 Evolution of outcomes. 04 Above will be monitored by IQAC committee.	√	√	√	√	√	Dr Harsh Sharma	To be monitored by feedback committee	
15	01 Preparation of starting value added course. 02 Lectures organize to motivate students towards entrepreneurship. 03 Lecture will be organize for preparation of competitive exams.	√	√	√	√	√	Dr B.P Tripathi	To monitored by placement cell	
16	01 Proposal will be sent to authority and get a sanction budget. 02 Creating a positive learning environment. 03 Organize seminar/lecture for personality development and placement activities. 04Initiating budget proposal to authority.	√	√	√	√	√	Dr Savita Singh	To be done by IQAC	

6. ACTION PLAN (Planning and execution strategy, max. 500 words for each):

- *Concern to each plan as mentioned above in 4.7*

6.1 Provide an action plan for organizing program and for improving the academic performance of SC/ST/OBC/ academically weak students through innovative methods, such as Remedial and Skill Development classes for increasing the transition rate and pass rate with the objective of improving their employability.

Institution has an action plan for improving academic performance of SC/ST, OBC academically weak students through innovative methods, such as remedial and skill development classes for increasing the transition rate and pass rate with the objective of improving their employability.

- Identify weak students
- Design remedial measures like improve the communication skills through group discussions.
- Separate remedial Classes for SC/ST / OBC & Minorities to solve their difficulties.
- Coaching for NET/SET for SC / ST/ OBC & Minorities.
- Coaching Classes for competitive exams to SC/ST / OBC & Minorities.
- Career & Counseling Cell (CCC).
- Organize mock personal interviews to teach techniques and to prepare them to appear in the interviews.

6.2 Provide an action plan for strengthening of PG programs and starting of new PG programs.

Following measures are proposed to be undertaken to strengthen PG programme

- Opening up of new PG programs in emerging areas
 - Establishment of new and improvement of existing PG laboratories
 - Increasing facilities for PG education, equipment, internet access, etc
 - Improving teaching/learning processes through better curricula, better faculty competence, better interaction, and exposure to industrial practices
 - Introducing project-based teaching programmes.
 - Providing Scholarships to PG students.
 - Providing more emphasis on local and industry based technical problem solutions.
 - Organizing industrial training and visits to industry and higher educational centres
 - Strengthening collaborative works; resources and expert sharing with other institutions
 - Organising expert lecturer in specialized and emerging areas
 - Efforts will be made to improve the needs of computational facility
 - Subject experts and trained man power with improved infrastructure to start new PG courses.
 - Adequate infrastructure and independent computer and language laboratory will be made.
 - Students will be encouraged to deliver seminars and lecturers in consultation with faculty.
 - Smart class rooms with installed LCD will be arranged.
- Arrange more and more Campus Drive for PG students

6.3 Attach a summary of Training Needs Analysis carried out. Also, provide Faculty Development Plan for the first 18 months for improving their teaching, subject area and research competence based on Training Needs Analysis in the following areas:

The training and educational development programmes for college teaching staff is crucial for quality improvement for the staff, institution as well as the community development. It is observed the most of the fresh recruits are not familiar and thorough with all the concepts of the subjects they have to teach. , need to understand the students and their attitudes, their approach with the students is either too rigid or too much liberal. do not have any idea of counselling and mentoring system, lack team spirit to work with their colleagues. Tthe faculty with this kind of deficiencies may be failure in proper management in the class.

To avoid this kind of problem and also to transform them into effective and efficient faculty, Faculty Development Programme is planned, well designed, and conducted very seriously in the Institution .The main idea behind Faculty Development Programmes (FDPs) across the world is “upskill”. The curricula of various programmes at institutions are updated to keep pace with the changing demands of the industry hence, it becomes imperative to provide them with opportunities to upgrade their skills to meet the current expectations.

There are many ways for faculty to upskill themselves: attending conferences and training programmes, getting involved in research projects, earning online certification through various MOOC portals and by through relevant FDPs. Well-planned and curated FDPs are an investment in human resources, and ultimately result in enhanced teaching and learning experience.

Plan required to conduct FDPs in institutions,
The following approach will be offered to plan FDP

- Identifying the upcoming changes in the curriculum/instructions
- Identifying the goals for learning and competencies including self-learning and teamwork
- Activities shall be planned to fulfill the goals ensuring a proper mix for different faculty and programmes.
- Activities shall be planned for recent development in research methods, methodological issues in research publication, publication ethics, use and misuse of statistics in research and availability of resources for reading material.
- Activities shall be planned to keep abreast of the latest developments in their specific subjects, and acquire knowledge and skills in new and emerging areas.
- To familiarize usage of ICT in teaching and also in the preparation of digital content to promote self-learning.
- Including topics on mental and emotional health;
- Identifying and map resources to deliver the content
- Taking and incorporating continuous feedback.
- Up gradation of qualifications.
- Improving competence in teaching and training.
- Development of modern learning resources and teaching aids
- Training on UGC and University Act
- New techniques in research, improving competence in research and consultancy.
- Deputation to seminars, conferences and presentation of research papers.
- Establishing linkages with academic and research institutions and industry, Student counselling
- Keeping the changes that are unfolding in higher education, to Enhance the skills, instincts, abilities, of the teachers broadly through:
 - Organizing learning programmes for serving teachers, with a focus on skill set upgradation and sdevelopment across disciplines.
 - Organizing seminars, symposia, workshops on current trends occurring across globe, aimed at enhancing the outlook, upgrade & orient the teachers to adapt to trends in this fast changing world.
 - Organizing programmes on theme-based topics like Academic leadership, Technology Enhanced Learning, Disaster Management and Learning Outcome Based Education including evaluation.
 - Organizing specially designed courses in IT for new entrants as well as for in-service teachers.
 - organizing workshops training programmes across domains to equip the associate staff viz lab staff of the colleges to arm them with valuable skillset to enable them to be more productive and abreast with the changing trends.
 - The objectives shall be focused towards enabling all the faculty members of HEIs new as well as old faculty members:
 - To enable them to keep abreast of the latest developments in their specific subjects;
 - To acquire and improve basic skills of teaching at the college level to achieve goals of higher education;
 - utilize opportunities for development of personality, initiative and creativity;
- CAMPUS AREA NETWORKING: An intranet solution in terms of laying of cables and procurement of switches/hubs etc. for establishment of end-to-end connectivity with the College data centre and integration of any digital board solutions.
- ICT ENABLED CLASSROOMS: For effective teaching all the classrooms and labs should be ICT enabled. For the same solutions like Digital Boards , Student Biometric and Hybrid Learning tools will be added in a structured way.

6.4 Provide an action plan for training technical and other staff in functional areas

Provide an action plan for learning technical and other staff in functioned area.

Employees are said to the most valuable asset is an organization, therefore it is necessary to develop and nature their talents so that they give their highest performance to the institution. The key to fund and develop the talents training is a planned effort of the institution to facilitate the knowledge and skill that are necessary for successful job performance. Thus the training intervention are proceeded with the process of TNA (training need analysis) There is an interaction with all the cadres of staff, faculty, HoDs and the Principal, on the basis of the received inputs taken the various section, their need and requirement is evaluated and a committee the plans for the training.

01- To staff new teaching technique to deliver their lecture.

02- In upgrading the content knowledge in their respective specialized subjects.

03- To grant an opportunity to the teachers of the college to pursue their academic or research activities in the integrated course subject.

04- To enhance the computer knowledge and its working in making PPTs, Google sheets for study materials.

05- To facilitate in improving their credentials at higher level and research capabilities

06- For modern techniques and skill in the latest teaching methodology to import content knowledge to the students.

07- For the recent evaluation techniques and question bank preparation.

Action plan for training the technical and other staff of the institution

01- Technical training to upgrade their computer skills of the office.

02- Office staff will be given training on noting drafting.

03- Motivational learning and personality development.

6.5 Describe the relevance and coherence of Institutional Development Proposal with State's /National (In case of CFIs) Industrial /Economic Development Plan –

- It is proposed to have a systemic and sustainable strategy to make effective use of educational resources for scaling education. It is proposed to have a systemic and sustainable strategy to make effective opportunity and excellence in the context of the state.
- It is proposed to strengthen the existing research labs and increase publishing of paper in peer reviewed journals. This enhances the visibility of the institution.
- It is proposed to improve the quality for PG students and Ph.D. scholars.
- Set up centre of excellence and by enhancing the demand for research.
- It is proposed to give education for employability.
- To uplift the rural condition of the state and provide such education so as to help them in providing self employment.

6.6 Describe briefly the participation of departments/faculty in the IDP preparation.

Action plans are made with the co-operation and sincere participation of all the department faculty members and the office staff of the institution. Based on the analysis and discussions with the core committee and other members institutional level committees were formed. The committees were assigned responsibilities to collect the information, future plans from various department in order to plan a collective strategy to execute the action plan for the next five years. The document was made after due consultation with the Head of the institution and the other representative and stakeholders.

The IDP was distributed under four groups and each group was led by a co-coordinator who is a senior professor of the college. Along with the senior professor there was a team of faculty members from different departments to assist in making the IDP the key areas in the IDP were identified, need based inputs were collected and concise proposal was made. Brain storming session was conducted by the committees for outlining the procedures of SWOT analysis college SWOT analysis was carried out by the core committee members and action plans were devised. Inputs from the various department i.e. Library/ Physical Educations was taken to prepare the plan. The objectives for the Institutional Plan were formed after the discussion with the faculty. The office staff also supported at specific juncture during the preparations of the plan Students feedback constituted a crucial component in the preparation of the IDP. The college will develop a congenial environment for curricular and extracurricular development of the students.

6.7 Describe the Institutional plan implementation arrangements with participation of faculty and staff-

Based on the analysis and discussions with the entire committee and other senior professors of the institution different committees were formed and responsibilities were arranged to each committee. The committees are headed by a senior professor and assisted by faculty members of other departments.

At the department level, a meeting of all the faculty in each department was initially held where a brief discussion was alone on the salient features of the proposals was made and suggestion were invited by the HOD. All the proposals were made according to the present need and the future requirements.

The core committee headed by the Principal takes all the policy discussions. It ensures proper utilization of funds and timely submission of the budget.

It also monitors the progress of the institution with transparency.

There is an institutional RUSA unit which operates for powerment of goods, works and services. It helps in financial management, implementation of faculty and staff development activities and programs.

Its helps in achievement of target and monitoring the audit. The proposals received from the faculty group were reviewed and consolidated and prepared.

7. PLAN BUDGET:

(This is meant for existing institutions):

➤ Provide an Institutional plan budget as per table below:

Sl. No	Activities	Project Allocation	(Rs. in Lacks)				
			Financial year				
			2023	2024	2025	2026	2027
1	Infrastructure						
	1.Campus development: New construction of additional Class rooms /Laboratory /Library/Hostel/Common room etc.	446.76	300	146.76	20	-	-
	2.Modernization and strengthening of laboratories/Class rooms	150	100	40	-	-	-
	3.Establishment of new laboratories for existing UG and PG programs and for new PG programs	100	40	20	20	20	-
	4.Updation of Learning Resources	5	1	1	1	1	1
	5.Procurement of furniture	10	2	2	2	2	2
	6.Establishment/Up gradation of Central and Departmental Computer Centers	20	10	3	3	2	2
	7.Modernization/improvements of supporting departments	300	100	50	50	50	50
	8.Modernization and strengthening of libraries and increasing access to knowledge resources	10	2	2	2	2	2
	9.Refurbishment (Minor Civil Works)	70	20	25	10	10	5
2	Research and Development Support						
	1. Providing Teaching and Research Assistantships to increase enrolment in existing and new PG / Ph. D. programs.	5	1	1	1	1	1
	2.Provision of resources for research support	140	30	30	30	30	20
	3.Enhancement of R&D and institutional consultancy activities	5	1	1	1	1	1
3	Faculty Development Support						
	Faculty and Staff Development (including faculty qualification up gradation, pedagogical training, and organizing / participation of faculty in workshops, seminars and conferences) for improved competence based on TNA	10	2	2	2	2	2
4	Institutional Reforms						
	1.Technical assistance for procurement and academic activities	10	2	2	2	2	2
	2.Institutional management capacity enhancement	5	1	1	1	1	1
5	Academic Support						
	1.Creation of new departments/courses	10	5	3	1	1	-
	2.Enhanced Interaction with Industry	5	1	1	1	1	1
	3.Student support activities	5	1	1	1	1	1
6	Any Others	60	20	10	10	10	10
	GRAND TOTAL	1366.76	639	341.76	158	137	101

8. PLAN TARGETS FOR INSTITUTION:

8.1 Give an action plan for ensuring that the project activities would be sustained after the completion of the Project (max. 500 words) –

Academic and Curricular Plan:

Coordinate with the UGC, Pt Ravishankar Shukla University, Raipur, and Higher Education Department and start the necessary formalities:

To start new programs and courses under CBCS; start applied courses; start Value Added Courses and Certificate Courses in all the departments; start new courses as per NEP.

To start new Research Centres; initiate intra-department and inter institutional multidisciplinary research; send Project Proposals to UGC, CCOST and others; enhance existing labs for research; expand library facilities.

Infrastructure Development Plan-

Initiate and coordinate with the Higher Education Department, RUSA, Janbhagidari Samiti:

To improve and maintain existing structure;

To build more Smart Board / OHP classrooms; build labs; develop ICT enabled Seminar Halls;

To improve and develop common area facilities (washrooms, common rooms for Boys and Girls, drinking water facilities, gardens, Study Corners and others)

To initiate the building of separate Administrative Block (including the Autonomous Cell) and Library Block (with Reading Rooms, and Seminar Hall)

..... Faculty Development Plan-

Coordinate with Higher Education Department to help smoothen the process to attend Academic Programs.

To plan and organize Seminars, Workshops and FDPs.

..... Student Support Employment Plans-

Employment, self-employment opportunities and **livelihood skills** through rural and urban linkages.

Rural- Linkages with Agro-based industries; linkages with CCOST for financial assistance and guidance; motivate rural self -employment through MSME schemes of the government; field visits to rural industry, and villages; Linkages and visits to Indira Gandhi Krishi Vishwavidyalaya; Design short term training programs for rural employment.

Urban - Urban support system for employment through industry linkages; Self- employment opportunities through short term training programs; Design courses to develop global skills like ICT; Language Skills for Media industries; and English Communication Skills for corporate sector and online employment for livelihood.

Research- Focus on Applied Research to generate income, patents, and develop Research Labs.

Student Support Health Plans

Organize Health Check- up Camps; Health Awareness Campaigns; and Life Skills programs

8.2 Provide the feasibility and sustainability of the Plan targets for Institution: (max. 500 words) –

Feasibility and Sustainability of Plan Target

The college is a premier institution of the region and has immense potential. The targets can be achieved through implementation of the Proposed Target Plan with support from the State and the Centre.

The Plan Targets set by the institution is in keeping with the needs of the state and the nation. Chhattisgarh is a developing state with a lot of latent potential energy. It has many areas that need exploration and development. The proper development of manpower is the only way to develop a state, and institutions of Higher Education play the most crucial role here.

The Plan Target is both feasible and sustainable as its aim is the upliftment of the people of the state through education, employment generation, training manpower for self-employment and livelihoods in keeping with the national vision of Atmanirbhar Bharat, NEP, Digital India, and raising the GER.

Academic Plans need Infrastructural Development which have been proposed in the Plan Target. They are imperative needs which must be fulfilled.

GER - The institution plans an increase in GER through offering many options at the UG and PG levels. They are:

- a) New programs and courses in Science, b) Value Added Courses, c) Certificate Courses d) Language Development Courses, e) Skill Development Courses.

Atmanirbhar Bharat- The institution plans an Employment centred education system that will improve the financial condition of the people and improve the economic condition of the state and the nation.

Need for faculty is a major plan target, as it will provide employment and increase the employability quotient of students.

Research in Science is the chief Plan Target and multidisciplinary and interdisciplinary research is the focus. The concern is for Applied Research with the focus on Local Needs and Livelihood Needs of the region. The number of Research Supervisors is on a rise and so Research Labs, modernising existing labs by new equipment is needed and has been proposed.

Research Collaboration with national and international institutions is the target so that knowledge sharing may lead to innovations and increase in patents. Funds are needed for organising Seminars and Workshops; subscriptions for library; subscriptions for research publications.

Digital India promotes Technology, and the institution plans developing a robust system of education based on technology. It plans the development of more ICT enabled classrooms and Seminar Halls with Projectors and Smart Boards.

Faculty Development programs can upgrade teachers and train them with the latest pedagogical skills, which are increasingly tech-based.

Pedagogical changes are to be tackled through Pedagogical Faculty Development Programs.

The Plan targets the need for more Technical Staff to smoothen the functioning of the institution. The multi- pronged benefits are giving employment, smoothening functioning of the institution, and using the newly employed staff for training other office technical staff.

Grooming employable and good citizens with Indian values is needed. The institution plans programs for developing social and environmental responsibility. Funds and manpower are needed.

The Plan is relevant, necessary, imperative and feasible.

9. FINANCIAL AND BUDGETARY SUSTAINABILITY:

The institution's financial inflow is through:

- i) State Budget
- ii) RUSA –
- iii) Students Fees
- iv) Janbhagidari
- v) Others -CCOST, Scholarships

The main expenditure is on

- i) Salaries and maintenance of the institution – State Budget and Fees.
- ii) Construction and expansion funds - RUSA.
- iii) New programs, courses – Janbhagidari Samiti
- iv) Self -Financing programs – Fees
- v) Academic programs, seminars etc.- CCOST

The institution manages to sustain its budgetary finances (Income and Expenditure)

Financial problems are faced when major construction and development initiatives are to be taken.

Allocation of funds, if granted, as per our needs expressed in the IDP, would go a long way in the growth and development of the institution. The chief beneficiaries would be the Students who are the main Stakeholders of academic institutions.

In specific terms the financial and budgetary sustainability has been presented in clause no 9 which conform to the IDP which is further elaborated in clause no 7 which provide a very specific data of plan budget. The budgetary demands play a key role in ensuring sustainable development of the institution related to infrastructure, research and development support, faculty development support, institutional reforms, academic support and some others.

10. DOCUMENTS ON STAKE HOLDER'S CONSULTATION:

The main stakeholders of the institution are Janbhagidari, Governing Body, Students, Parents, Support Staff, Alumni and industrial employers.

The institution has developed a robust system of Stakeholders Consultation through the following:

- i) Feedback System involving students, parents and teachers.
- ii) Parent Teacher Meetings
- iii) Alumni meetings
- iv) Janbhagidari Meetings
- v) Governing Body Meetings
- vi) Industrial - Employer consultation through Board of Studies meetings.

Stakeholders Consultations include discussions, decision making, planning of strategy, review of action taken, and future planning. Records of all consultations are duly maintained.

11. FOLLOW-UP AND EVALUATION

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• **TO SUBSTANTIATE THE INFORMATION CITED HEREBY KINDLY ENCLOSE THE DOCUMENT CONCERNED**

• **SUBMIT THE ENCLOSURES WITH SERIAL NO. PROPER**

For Expert Committee' Use only

Annexure – I

EVALUATION OF INSTITUTIONAL DEVELOPMENT PLAN (IDP)

Sl. No.	Evaluation Parameters	Total	Marks Obtained
1	Institutional Preparedness and Implementation Feasibility		
A	Clarity of institutional basic information including baseline data		
B	Overall proposal implementation feasibility		
	1 Clarity in the identification of general development objectives, related specific objectives, their expected results, and its coherence with SWOC analysis		
	2 Have the key activities been identified clearly and adequately for each specific-objective		
	3 Adequacy of the Institutional Project Implementation arrangements		
C	Quality of SWOC analysis		
	1 Appropriateness for the procedure adopted for the conduct of SWOC analysis and adequacy of participation of stakeholders		
	2 Clarity in the identification of strengths, weaknesses, opportunities and threats		
D	Coherence of proposal with State's /Regional development plan		
E	Reasonability of proposed budget		
	Sub-total (1)		
Sl. No.	Evaluation Parameters	Total	Marks Obtained
2	Clarity and Quality of the Action Plans for:		
A	Scaling-up research and innovation		
	1 Quality of action plan for quantitatively increasing qualitatively		
	2 Quality of action plan to transfer technology and for commercialization of		
	3 Scaling up Ph. D. enrollment through existing and new programs		
	4 Scaling-up enrollment in to UG /PG Programs in existing and new ones.		
B	Research Collaborative activities with institution at National and International level		
	1 Identification of options to improve and increase research collaborations at National and International level		
	2 Clarity in identification of expected quality enhancement in Masters and Potential impact and depth of proposed Industry collaboration		
C	Faculty Development including pedagogical training to:		
	1 Develop faculty/technical staff in subject domain		
	2 Improve pedagogical skills of faculty for better student learning.		
D	Identification of weak students and for improvement in their learning.		
	Sub-total (2)		
	Total (1)+(2)		

Annexure – II

RECOMMENDATION OF INSTITUTIONAL DEVELOPMENT PLAN (IDP)