CRITERION III

RESEACRH CONSULTANCY AND EXTENSION

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes the College has a research committee to address the issues of research. The committee is headed by Dr. B. Mukherjee, Ph.d, D.Sc and five teachers of the institution.

3.1.2 What is the policy of the College to promote research culture in the College?

Research is one of the important aspects in the teaching, learning process of the institution. The institution encourages teachers to take on projects to build up research laboratories and inculcate the spirit of learning among students.

- 3.1.3 List details of prioritised research areas and the areas of expertise available with the College.
 The prioritised research areas and the areas of expertise available include Environmental sciences, Cytology, Ichthyology, Hindi, and Political science.
- 3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects?
 - * advancing funds for sanctioned projects
 - * providing seed money
 - * ✓ autonomy to the principal investigator/coordinator for utilizing overhead charges
 - * ✓ timely release of grants
 - * ✓ timely auditing
 - * ✓ submission of utilization certificate to the funding authorities

- 3.1.5 How is interdisciplinary research promoted? **Presently not applicable**
 - * between/among different departments of the College and
 - * collaboration with national/international institutes / industries.
- 3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?Not applicable
- 3.1.7 What percentage of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?Ves about five percent of the faculty have taken leave for research

Yes about five percent of the faculty have taken leave for research activities and the provision has enhanced the capabilities.

3.1.8 Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.

The institution has organized five national and international seminars in Hindi, History and Political Science; three in 2011 and two in 2012.

- 3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).Not applicable.
- 3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

At present there are two ongoing major and twelve minor projects:FacultyDepartmentProject type

Allocation

Anocation			
1. Dr. B. Mukherjee	Zoology	Major	9.5 lakhs
2. Dr. G. Lakra	Zoology	Minor	1.8 lakhs
3. Dr. B. Raza	Zoolog	y Minor	1.5 lakhs
4. Dr. N. Lal	Zoolog	y Minor	1.5 lakhs
5. Dr. A. Tripathi	Zoolog	y Minor	1.5 lakhs
6. Dr. G. Baskey	Zoolog	y Minor	1.5 lakhs
7. Dr. S. Ghosh	Zoolog	y Minor	1.5 lakhs
8. Dr. B. Mahato	Zoolog	y Minor	1.5 lakhs
9. Dr. A.K.Singh	Psycho	ology -	-
10.Dr. K. Akhtar	Chemi	stry Minor	
11.Dr. A. Acharya	Chemi	stry Minor	
12.Dr. R. Ranjan	Chemi	stry Minor	
13.Dr. S.S.Barwar	Politica	al Science Minor	
14.Dr. L.K.Kundan	Politica	al Science Minor	
15.Dr. R. Nand	Politica	al Science Minor	
16.Mr. D. Kumar	Sanskr	rit Minor	
17.Dr. D.V. Dwivedi	Sanskr	rit Minor	
18.Dr. A. Jha	Philoso	ophy Minor	
19.Dr. P. Kumar	Philoso	ophy Minor	
20.Dr. P. Srivætava	Philoso	ophy Minor	
21.Dr. P.P.Mahato	TRL	Minor	
22.Dr. V.V.N. Pandey	Hindi	Major	6.5 lakhs
23.Dr. J.S. Munda	Hindi	Minor	
24.Dr. K.K.Mehta	Hindi	Minor	
25.Dr. A.K.Bariar	Botany	Minor	
26.Dr. A. Nag	Botany	Minor	
27.Dr. S.M. Abbas	Anthro	opology Minor	
28.Dr. S.N.Munda	Anthro	opology Minor	
29.Dr. S. Kiran	Anthro	opology Minor	
30.Dr. A.K. Singh	Geogra	aphy Minor	

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.

Not applicable

- 3.2.2 What are the financial provisions made in the College budget for supporting student research projects?Not applicable
- 3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?
 No
- 3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.

No

3.2.5 Provide the following details of ongoing research projects:

	Year wise 2008- 2009- 2010- 2011- 2012	Number	Name of the project	Name of the funding agency/Indus try	Total grant reœive d
A. College funded					
M inor projects	-	-	-	-	-
Majorprojects	-	-	-	-	-
Along with Industry	-	-	-	-	-
B. Other agencies - nation	al and int	ernational ((specify)	UGC and Minis	stry
M inor projects		22		UGC	45

Majorprojects	02	UGC	16
C. Industry sponsored			

3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.

Nil

3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies).
About 15 minor research projects have been completed in the last four years and two major projects are in their completion stages.

3.3 Research Facilities

- 3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?
 Not applicable
- 3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.No
- 3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?No
- 3.3.4 Does the College have a specialized research centre/ workstation to address

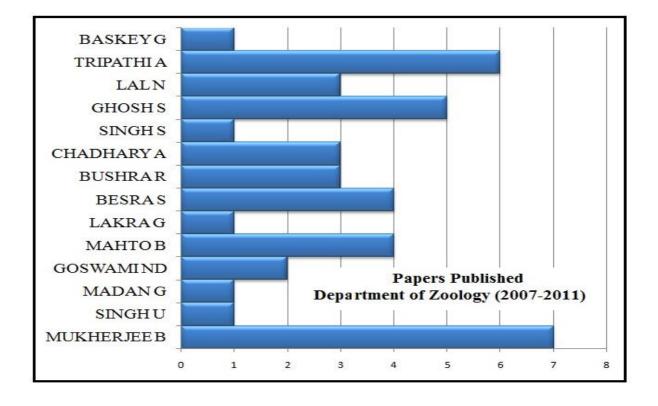
challenges of research programmes? If yes, give details. No

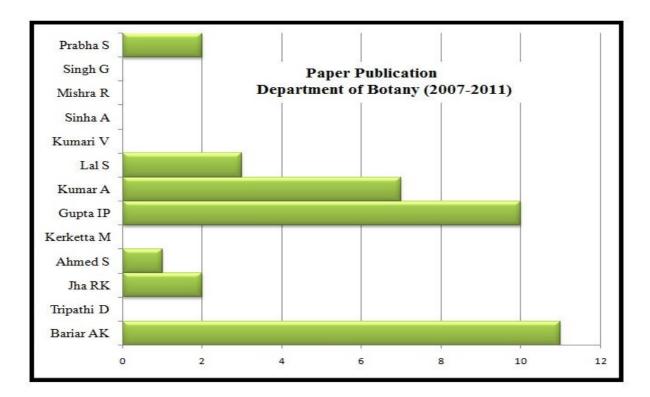
3.3.5 Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.
No

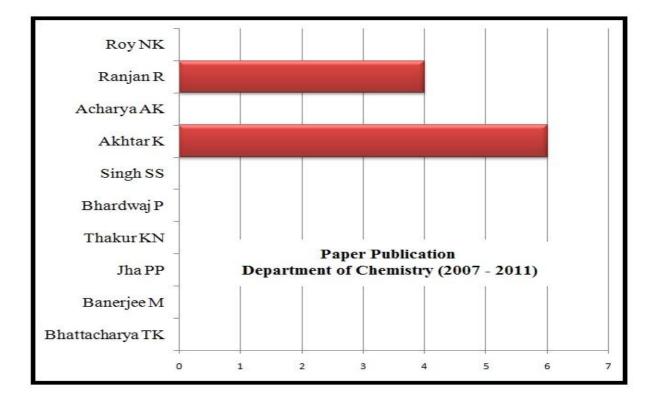
3.4 Research Publications and Awards

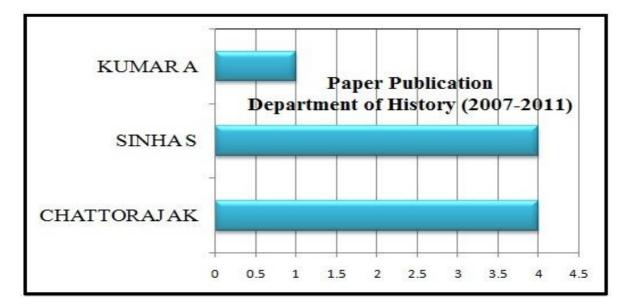
- 3.4.1 Highlight the major research achievements of the College through the following:
 - * major papers presented in regional, national and international conferences ✓
 - * publication per faculty ✓
 - * faculty serving on the editorial boards of national and international journals√
 - * faculty members on the organisation committees of international conferences, recognized by reputed organizations / societies.
- 3.4.2 Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?
 No
- 3.4.3 Give details of publications by the faculty:
 - * number of papers published in peer reviewed journals (national / international)
 - * Monographs
 - * Chapters in Books
 - * Editing Books

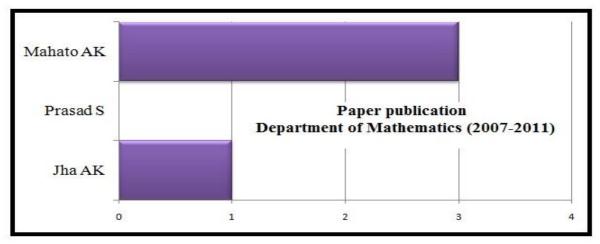
- * Books with ISBN numbers with details of publishers
- * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index range / average
- * SNIP
- * SJR
- * Impact factor range / average
- * h-index

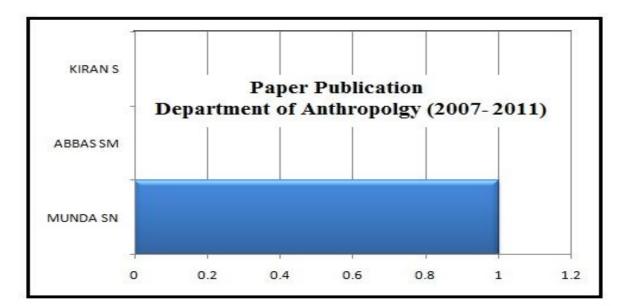


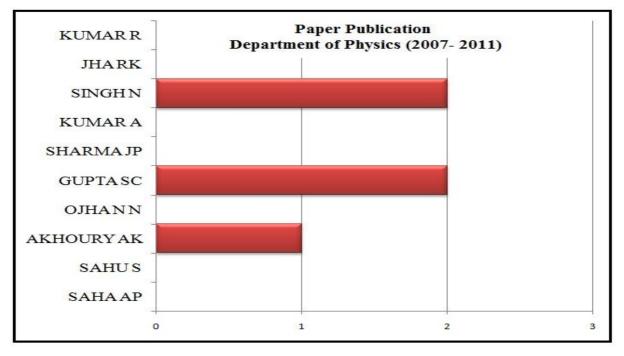




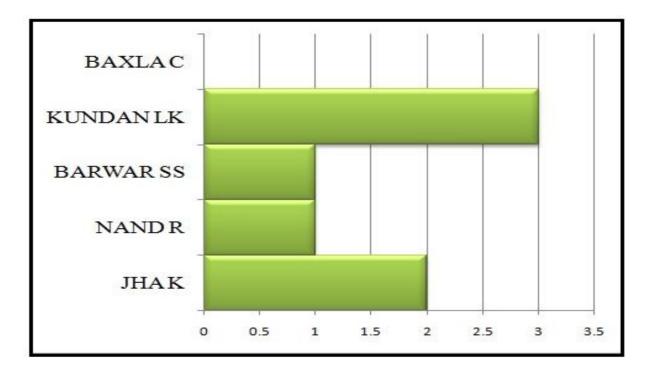


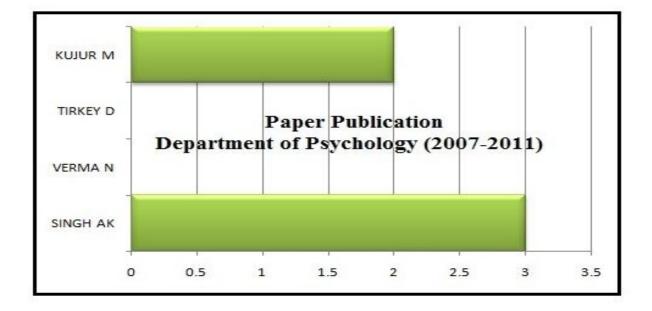


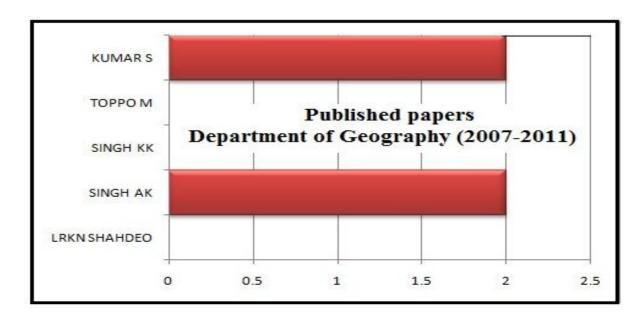












3.4.4 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.

See the table below

3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?

Not applicable

3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavour.

No

Department	SLNo	.Name	Designation	Qualification	Books	Papers	Ph.D. guidanœ	National Seminar	International Seminar	Research Projects	Refresher/Orientation
Anthropoloy	1	SN MUNDA		Ph.D	1	6	1	20	12	2	4
	2	SM ABBAS		Ph.D	0	2	0	4	2	0	2
	3	S KIRAN		M.Sc.	0	0	0	0	1	0	0
Economics	4	AK GOVIL		Ph.D	0	7	0	7	0	0	2
	5	AK TRIPATHI		Ph.D	0	0	1	3	0	0	3
	6	R JHA		Ph.D	0	0	0	0	0	0	2
	7	M PRASAD		M.A.	0	0	0	0	0	0	0
Geography	8	KK SINGH		M.A.	0	2	0	4	1	0	4
	9	М ТОРРО		Ph.D	0	0	0	2	0	0	3
	10	LRKN SHAHDEO		Ph.D	0	0	3	1	0	0	3
	11	AK SINGH		M.Phil	0	4	0	1	0	0	0
	12	G SINGH		M.A.	0	0	0	1	0	0	1
	13	N MAHATO		M.A.	0	0	0	1	0	0	1
History	14	AK CHATTORAJ		Ph.D	0	3	0	4	0	0	2
	15	S SINHA		Ph.D	1	6	0	2	0	0	3
	16	A KUMAR		Ph.D	1	1	3	10	0	0	4
Pol.S cience	17	LK KUNDAN		Ph.D	0	9	0	3	2	1	3
	18	G BAXLA		M.A.	0	0	0	0	0	0	2
	19	K JHA		Ph.D	0	2	0	0	0	0	0
	20	R NAND		Ph.D	1	2	1	0	0	0	0
	21	SS BARMAR		M.A.	0	1	0	0	0	0	0
Psychology	22	N VERMA		PhD	0	0	0	0	0	0	0
	23	D TIRKEY		M.A	0	0	0	2	0	0	4
	24	AK SINGH		PhD	1	5	1	10	3	1	3
	25	M KUJUR		M.A	0	0	0	0	0	0	0

Department	SLNo	Name	Designation	Qualification	Books	Papers	Ph.D. guidance	National Seminar	International Seminar	Research Projects	Refresher/O rientation course
Botany	26	D. TRIPATHI		M.Sc.	0	7	0	1	1	0	2
	27	AK BARIAR		Ph.D	0	10	0	5	0	1	4
	28	RK JHA		M.Sc.	2	3	0	4	1	0	4
	29	S AHMED		Ph.D	0	11	0	17	3	0	1
	30	M KERKETTA		Ph.D	0	3	0	3	0	0	3
	31	A KUMAR		Ph.D	0	10	0	1	5	1	4
	32	IP GUPTA		M.Sc.	0	1	0	1	0	0	1
	33	S LAL		Ph.D	0	9	0	4	1	0	1
	34	R MISHRA		M.Sc.	0	1	0	2	0	0	0
	35	V KUMARI		M.Sc.	0	2	0	0	0	0	0
	36	G SINGH		M.Sc.	1	0	0	1	0	0	0
	37	AK NAG		Ph.D	0	3	0	10	8	0	0
	38	S PRABHA		M.Sc.	0	1	0	1	0	0	0
Chemisry	39	TKBHATTACHARYA		Ph.D	0	2	0	1	0	0	0
	40	M BANERJEE		Ph.D	0	2	0	1	0	0	0
	41	PP JHA		Ph.D	0	8	0	0	0	0	0
	42	KN THAKUR		Ph.D	0	3	0	2	0	1	3
	43	K AKHTAR		Ph.D	0	6	0	3	0	0	2
	44	NK ROY		Ph.D	0	2	0	0	0	0	0
	45	AK ACHARYA		Ph.D	1	2	1	1	0	1	0
	46	P BHARDWAJ		Ph.D	0	1	0	0	0	0	0
	47	R RANJAN		Ph.D	0	4	0	6	1	1	2
	48	SS SINGH		Ph.D	0	0	0	0	0	0	4
Bengali	49	A Sahu		M.A	0	0	0	0	1	0	1

Department	SI.No	Name	Designation	Qualification	Books		Ph.D. guidance		International Seminar	Research Projects	Refresher/Orientation course
M athematics	51	AK JHA		M.Sc.	0	9	0	9	3	0	3
	52	S PRASAD		Ph.D	0	2	0	2	0	0	5
	53	АК МАНАТО		M.Sc.	0	1	0	2	0	0	3
Physics	54	AP SAHA		Ph.D	0	4	1	3	0	0	2
	55	SR SAHU		Ph.D	2	1	0	0	0	0	0
	56	NN OJHA		M.Sc.	0	0	0	1	1	0	2
	57	RK JHA		M.Sc.	0	0	0	0	0	0	0
	58	AK AKHOURI		Ph.D	0	0	0	0	0	0	0
	59	N SINGH		M.Phil	0	1	0	0	0	0	2
	60	B BHAGAT		M.Sc.	0	0	0	0	0	0	0
	61	JP SHARMA		Ph.D	0	0	0	0	0	0	1
	62	R KUMAR		Ph.D	0	2	0	1	2	1	0
	63	A KUMAR		M.Sc.	0	0	0	0	0	0	0
English	64	AK THAKUR		Ph.D	0	2	0	1	0	0	0
	65	SKTRIPATHI		Ph.D	0	2	0	1	0	0	0
	66	M PRASAD		Ph.D	0	8	0	0	0	0	0
	67	P BALA		Ph.D	0	3	0	2	0	1	3
Hindi	68	AK THAKUR		Ph.D	0	3	0	0	0	0	2
	69	K KALA		Ph.D	1	0	0	0	0	0	0
	70	JS MUNDA		Ph.D	0	0	0	1	0	1	1
	71	R VISHWAKSEN		Ph.D	0	1	0	0	0	1	1
	72	Y RATHORE		Ph.D	0	1	0	2	1	1	2
Philosophy	73	MD VERMA		Ph.D	2	1	2	1	0	0	3
	74	A JHA		M.A	0	4	0	0	3	1	0
	75	P SRIVASTAVA		Ph.D	1	1	1	0	0	0	3

Department	SLNo	.Name	Designation	Qualification	Books		Ph.D. guidance		InternationalSeminar	Research Projects	Refresher/Orientation course
Zoology	76	B MUKHERJEE		D.Sc.	5	20	5	9	2	3	3
	77	M GUPTA		Ph.D	0	5	0	0	0	0	1
	78	ND GOSWAMI		Ph.D	0	8	1	1	0	0	0
	79	В МАНАТО		Ph.D	3	8	2	6	0	1	2
	80	G LAKRA		Ph.D	0	5	2	2	0	1	2
	81	S BESRA		Ph.D	1	15	3	11	1	0	2
	82	B RAZA		Ph.D	0	6	1	2	0	0	3
	83	A CHADHARY		Ph.D	0	10	1	5	0	0	2
	84	S SINGH		Ph.D	0	1	0	0	0	0	2
	85	S GHOSH		Ph.D	1	9	0	2	2	0	0
	86	N LAL		Ph.D	0	1	0	2	0	0	2
	87	A TRIPATHI		Ph.D	0	3	0	7	1	0	2
	88	G BASKEY		Ph.D	0	1	0	1	3	0	0
Sanskrit	89	SK PANDEY		Ph.D	1	7	0	5	2	0	0
	90	DW DWIVEDI		Ph.D	1	14	0	4	1	0	0
	91	D KUMAR		Ph.D	0	2	0	0	0	0	0
Urdu	92	SMH RIZVI		Ph.D	6	10	0	35	5	0	0
TRL	93	BM BHAGAT		M.A	0	0	0	0	0	0	0
	94	TNS MUNDA		M.A	0	0	0	0	0	0	0
	95	LSN SHAHDEO		M.A	0	0	0	0	0	0	0
	96	ВС МАНАТО		M.A	0	0	0	0	0	0	0
	97	PP MAHATO		Ph.D	0	0	0	0	0	0	0
	98	J SORENG		M.A	0	0	0	0	0	0	0
	99	B KUMAR		M.A	0	0	0	0	0	0	0
	100	RD ORAON		M.A	0	0	0	0	0	0	0

- 3.4.7 Mention the research awards instituted by the College. Nil
- 3.4.8 Provide details of
 - * research awards received by the faculty

Senior scientist award by Dr. B. Mukherjee by CUSAT, Cochin.

- * recognition received by the faculty from reputed professional bodies and agencies
- 3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

Nil

3.5 Consultancy

- 3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.Nil
- 3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?

No

3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.

Nil

3.5.4 How does the College encourage the faculty to utilise the expertise for consultancy services?

Not applicable

3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.

Nil

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.

The two basic outreach programs involves the NCC and NSS the students are provided with special leave to coordinate with the academic progress and are encouraged through achievement awards and certificates.

3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?

Not applicable

3.6.3 How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

The NSS and NCC volunteers discharge various social responsibilities and inculcate civic responsibilities and awareness among the students. Blood donation camps, Cleanliness drives, AIDS Awareness Programmes, Pulse Polio Immunisation, Social Forestry etc. are some of the activities which the students of the college take up regularly.

3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the underprivileged and most vulnerable sections of society?

To a certain extent this is done by the anthropology and humanities department.

3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.

NIL

- 3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated? The discipline and extra curricular activities gives a sense of responsibility and leadership among the students which has a definite impact on the future career of the students.
- 3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.

The teachers and students of the college are alive to the problems and needs of their surroundings and always take active part in various extension activities. The college provides them the necessary support as well as leave for these activities.

- 3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?
 No
- 3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.

Not applicable

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

1. Ranchi College is the only College which has Senior Division (Boys), Senior Wing (Girls) in Army and Boys Air wing.

2. Fourteen (14) Cadets attended Republic Day Camp, New Delhi and among them two cadets were declared Best Cadet in 2004 & 2005 in Bihar and Jharkhand Directorate.

3. Two cadets attend All India Para jumping camp held at Para Training School Agra and declared having excellent grading.

4. 28 cadets attended National Integration Camp held at Mumbai, Rajasthan, New Delhi, Nagaland and Port Blair.

5. One cadet attended Indian Military Academy attachment camp held at Dehradoon and declared Best Cadet in all over the country.

6. Three cadets attended All India Basic / Advanced courses in mountaineering expedition held at Uttark ashi & Manali.

7. More than 50 cadets of NCC of this college joined Army and Air Force in different army units of our country.

8. Two cadets selected for "Thal Sainik" Camp held at New Delhi.

9. Two cadets visited foreign countries under Youth Exchange Programme of NCC.

10. Jharkhand Police Force went on strike paralyzing total traffic of Ranchi City. Seventy (70) NCC cadets of Ranchi College take over the charge of Traffic control of Ranchi city winning laurels from the Public, DGP and District Administration. On this occasion 12 (Twelve) cadets received Silver Medal by local MLA C.P. Singh.

11. Ranchi College family took out a silent procession with NCC cadets of the college against regular Band and Chakka Jam in Ranchi after the creation of Jharkhand.

12. Ranchi College is the first college in the country to take out a Vijay Diwas procession of the students, Teachers and Non-teaching staff of the college along with Ncc cadets of the college after the Kargil War.

13. Creation of a Task Force of NCC Cadets for "DISASTER Management".

3.7 Collaboration

3.7.1 How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?

CMPDI, MECON, HEC, NEERI, CFRI, Lac research institute, Tasar Research Institute, State fisheries, State pollution control board and others mostly for 'on-the-job'training and student placement.

- 3.7.2 Mention specific examples of, how these linkages promote
 - * Curriculum development
 - a) Internship, On-the-job training ✓ at the above mentioned institutions.
 - * Faculty exchange and development✓
 - * Research, Publication ✓ in certain aspects through collaboration
 - * Consultancy, Extension ✓
 - ∗ Student placement ✓
 - * Any other, please specify
- 3.7.3 Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?

No

3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

No

Any additional information regarding Research, Consultancy and Extension, which the institution would like to include.

The encouragement of the faculty during the last five years has resulted in the receipt of two major and about twenty minor projects from the UGC. This has increased the publication output and has contributed to the development of the laboratories this has also been enhanced by the receipt of CPE.



RANCHI COLLEGE NCC CADETS IN ACTION AT OBSTACLE COURSE

Number of Cadets Enrolled

Year	No. of Cadets	SD(Boys)	SW(Girls)	ST	SC	OBC	General
2007	40	20	20	23	11	02	04
2008	80	58	22	51	15	07	07
2009	80	61	19	46	18	08	08
2010	80	49	31	33	20	08	19
2011	68	49	19	21	15	24	08

Achievements of NCC Cadets

Name of the camps	2007	2008	2009	2010	2011
Republic Day Camp	02				
,New Delhi National Integration	3	6	12	5	8
Camp Thal Sain ik Camp	4	2	4	2	3
JB moulankar Shooting	2	2	3		2
All india Tracking Camp	4	4	12	4	8
Army Attachment Camp	8	10	8	8	7
M ountaineerin g Course	1	1	1	1	
CATC B&J directorate Best cadet	50	90	98 Ravindra Mahto	30 Ravindra Mahto	58
'B' Certificate	22	68	52	30	54
'C' Certificate	14	14	43	37	



RANCHI COLLEGE STUDENTS IN ACTION AT THE ALL INDIA PARA JUM PING CAMP AT AGRA



GUARD OF HONOUR AT RANCHI COLLEGE RANCHI