

CRITERION III:

RESEARCH, CONSULTANCY AND EXTENSION

Criterion III - Research, Consultancy and Extension: This criterion seeks information on the policies, practices and outcomes of the institution, with reference to research, consultancy and extension. It deals with the facilities provided and efforts made by the institution to promote a 'research culture'. The institution has the responsibility to enable faculty to undertake research projects useful to the society. Serving the community through extension, which is a social responsibility and a core value to be demonstrated by institutions, is also a major aspect of this criterion. The focus of this criterion is captured in the following Key Aspects:

KEY ASPECTS

3.1 Promotion of Research

3.2 Resource Mobilization for Research

3.3 Research Facilities

3.4 Research Publications and Awards

3.5 Consultancy

3.6 Extension Activities and Institutional Social Responsibility

3.7 Collaborations

**3.1
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The process of promoting research culture among faculty and students is ensured by facilitating participation in research and related activities, providing resources and other facilities

3.2 Resource Mobilization for Research

The institution provides support in terms of financial, academic and human resources required and timely administrative decisions to enable faculty to submit project proposals and/approach funding agencies for mobilizing resources for Research. The institutional support to its faculty for submitting Research projects and securing external funding through flexibility in administrative processes and infrastructure and academic support are crucial for any institution to excel in Research. The faculty are empowered to take up research activities utilizing the

existing facilities. The institution encourages its staff to engage in interdisciplinary and interdepartmental research activities and resource sharing.

3.3 Research Facilities

Required infrastructure in terms of space and equipment and support facilities are available on the campus for undertaking research. The institution collaborates with other agencies/ institutions/research bodies for sharing research facilities and undertaking collaborative research.

3.4 Research Publications and Awards

Exploration and reflection are crucial for any teacher to be effective in his/her job. Quality research outcome is beneficial for the discipline/ society/ industry/ region and the nation. Sharing of knowledge especially theoretical and practical findings of research, through various media enhances quality of teaching and learning.

3.5 Consultancy

Activity organized or managed by the Faculty for an external agency for which the expertise and the specific knowledge base of the faculty becomes the major input. The finances generated through consultancy are fairly utilized by the institution. The faculty taking up the consultancy is properly rewarded.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

Learning activities have a visible element for developing sensitivities towards community issues, gender disparities, social inequity etc. and in inculcating values and commitment to society. Mutual benefit from affiliation and interaction with groups or individuals who have an interest in the activities of the institution and the ability to influence the actions, decisions, policies, practices or goals of the organization. Processes and strategies that relevantly sensitize students to the social issues and contexts.

Sustainable practices of the institution leading to superior performance resulting in successful outcome in terms of generating knowledge which will be useful for the learner as well as the community.

Extension also is the aspect of education, which emphasizes community services. These are often integrated with curricula as extended opportunities, intended to help, serve, reflect and learn. The curriculum-extension interface has an educational value, especially in rural India.

3.7 Collaborations

There are formal agreement/ understanding between the institution and other HEIs or agencies for training/student exchange/faculty exchange/ research/resource sharing etc.

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THE ASSESSMENT OUTCOME

The assessment by NAAC takes a holistic view of all the inputs, processes and outcomes of an institution and thus the HEIs are expected to demonstrate how they achieve the objectives of the core values through the data and information detailed in the self study reports (SSR). The Assessment and Accreditation outcome includes a qualitative and quantitative component. The qualitative part of the outcome is the Peer Team Report (PTR) and the quantitative part includes a Cumulative Grade Point Average (CGPA), a letter grade and a performance descriptor.

(i) Weightages

Taking cognizance of the diversity in institutional functioning, HEIs have been grouped under three major categories i.e. Universities, Autonomous colleges and Affiliated colleges and differential weightages are assigned for each of the seven criteria as detailed in the table below:

Criteria	Key Aspects	Universities	Autonomous Colleges	Affiliated Colleges
1. Curricular Aspects	1.1 *(U)Curriculum Design and Development	50	50	NA

Criteria	Key Aspects	Universities	Autonomous Colleges	Affiliated Colleges
	1.1. *(A) Curricular Planning and Implementation	NA	NA	20
	1.2 Academic Flexibility	50	50	30
	1.3 Curriculum Enrichment	30	30	30
	1.4 Feedback System -	20	20	20
	Total	150	150	100
2. Teaching-Learning and Evaluation	2.1 Student Enrolment and Profile	10	30	30
	2.2 Catering to Student Diversity	20	40	50
	2.3 Teaching-Learning Process	50	100	100
	2.4 Teacher Quality	50	60	80
	2.5 Evaluation Process and Reforms	40	30	50
	2.6 Student Performance and Learning Outcomes	30	40	40
	Total	200	300	350
3. Research, Consultancy and Extension	3.1 Promotion of Research	20	20	20
	3.2 Resource Mobilization for Research	20	20	10
	3.3 Research Facilities	30	20	10
	3.4 Research Publications and Awards	100	20	20
	3.5 Consultancy	20	10	10
	3.6 Extension Activities and Institutional Social Responsibility	40	50	60
	3.7 Collaboration	20	10	20
	Total	250	150	150
4. Infrastructu	4.1 Physical Facilities	30	30	30

Criteria	Key Aspects	Universities	Autonomous Colleges	Affiliated Colleges
re and Learning Resources	4.2 Library as a Learning Resource	20	20	20
	4.3 IT Infrastructure	30	30	30
	4.4 Maintenance of Campus Facilities	20	20	20
	Total	100	100	100
5. Student Support and Progression	5.1 Student Mentoring and Support	40	40	50
	5.2 Student Progression	40	40	30
	5.3 Student Participation and Activities	20	20	20
	Total	100	100	100
6. Governance Leadership and Management	6.1 Institutional Vision and Leadership	10	10	10
	6.2 Strategy Development and Deployment	10	10	10
	6.3 Faculty Empowerment Strategies	30	30	30
	6.4 Financial Management and Resource Mobilization	20	20	20
	6.5 Internal Quality Assurance System	30	30	30
	Total	100	100	100
7. Innovations and Best Practices	7.1 Environment Consciousness	30	30	30
	7.2 Innovations	30	30	30
	7.3 Best Practices	40	40	40
	Total	100	100	100
TOTAL SCORE		1000	1000	1000

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(U)- applicable only for Universities and Autonomous Colleges

(A)- applicable only for the Affiliated/Constituent Colleges

(ii) Grading System

The accreditation status of the assessed HEIs is decided using the weightages detailed above. Institutions will be assessed and graded on a four point scale and qualifying institutions accredited and graded on a 3- letter grade as follows:

Range of institutional Cumulative Grade Point Average (CGPA)	Letter Grade	Performance Descriptor
3.01-4.00	A	Very Good (Accredited)
2.01-3.00	B	Good (Accredited)
1.51-2.00	C	Satisfactory (Accredited)
≤ 1.50	D	Unsatisfactory (Not Accredited)

Institutions which secure a CGPA equal to or less than 1.50 and graded “D” does not qualify for accreditation. Such unqualified institutions will be intimated and notified by the NAAC as “assessed and found not qualified for accreditation”.

(ii) Validity Period of Accreditation

The accreditation status is valid for five years from the date of approval by the Executive Committee of the NAAC. To continue the status of accreditation the institution has to record its intent for the next cycle accreditation by submitting the LOI six months before the expiry of the accreditation status and the SSR within six months of acceptance of the LOI by NAAC. **Institutions that do not adhere to these timelines will lose the accreditation status.**

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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.
- 3.1.2 What is the policy of the College to promote research culture in the College?
- 3.1.3 List details of prioritised research areas and the areas of expertise available with the College.
- 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?
 - * 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?
- 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?
- 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.
- 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).
- 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.)

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.
- 3.2.2 What are the financial provisions made in the College budget for supporting student research projects?
- 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?
- 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.

3.2.5 Provide the following details of ongoing research projects:

	Year wise	Number	Name of the project	Name of the funding agency/Industry	Total grant received
A. College funded					
Minor projects					
Major projects					
Along with Industry					
B. Other agencies - national and international (specify)					
Minor projects					
Major projects					
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.

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).

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?

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.

3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?

3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.

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.

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?
- 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.
- 3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?
- 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.
- 3.4.7 Mention the research awards instituted by the College.
- 3.4.8 Provide details of
- * research awards received by the faculty
 - * 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.

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.
- 3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?
- 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.
- 3.5.4 How does the College encourage the faculty to utilise the expertise for consultancy services?
- 3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.

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.
- 3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?
- 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?
- 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 under-privileged and most vulnerable sections of society?
- 3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.
- 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?
- 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.
- 3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

- 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.
- 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.

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?
- 3.7.2 Mention specific examples of, how these linkages promote
- * Curriculum development
 - * Internship, On-the-job training
 - * Faculty exchange and development
 - * Research, Publication
 - * 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?
- 3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

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