"Comparative Study to Assess Quality Improvement in Implementation of Academic Curriculum, Co-Curricular and Extracurricular Activities Before And After National Assessment and Accreditation Council (Naac)."

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Abstract:
Education plays a vital role in the development of any nation. Therefore, there is a premium on both quantity (increased access) and quality (relevance and excellence of academic programmes offered) of higher education. A Descriptive / Comparative research design was used for this study. Participants were selected from selected nursing college of Maharashtra. This study was set with 50 nursing students. Non probability sampling method was used. The finding of the study revealed that the 35(67.3%) in age group belongs to 20-24 years of age, 25(50%) from 4th year batch, 45(86.5%) sample had taken instruction from English medium, 46(88.5%) sample selected this career choice by their own , 30(58.8%) samples living with parents and 36(72%) sample will pass in 2022-2023 year. There are 62% of students are strongly agree and agree with curriculum planning, remaining 39% of students are neutrally satisfied with curriculum planning. In Academic assessment 61% of students strongly agree and agree with academic assessment. In Research consultancy and Extension, 59% of students strongly agree and agree with Research consultancy and extension. In Infrastructure and Learning Resources, 58% of students strongly agree and agree with Infrastructure and learning resources. In Student Support and Progression 63% of students strongly agree and agree with Student Support and Progression. In Women Empowerment 64%% of students strongly agree and agree with Women Empowerment. In Innovations and Best Practices 60% of students strongly agree and agree with
Innovations and best practices.

Introduction
Education plays a vital role in the development of any nation. Therefore, there is a premium on both quantity (increased access) and quality (relevance and excellence of academic programmes offered) of higher education. The NAAC has been set up to facilitate the volunteering institutions to assess their performance vis-a-vis set parameters through introspection and a process that provides space for participation of the institution. Curriculum is the essential ingredient of any education system regardless of the education level. All other aspects whether teaching, learning and evaluation or research and development, infrastructure and learning resources, student activities and support system revolve around it. Therefore, curricular aspects and the best practices connected to curriculum design and development play a very significant dimension of the quality of higher education since the curriculum has a decisive role in steering the other elements of quality.

Review of Literature
March - August, 2021, Research Scholar, Kalinga Institute of Industrial Technol (KIIT), assessment and accreditation process was framed and sent to the 50 randomly selected accredited institutions in the state of Karnataka. The response was good and analysis of the data reveals, there is a close relation between the quality initiatives of HEI and the NAAC evaluation. The study also provides a way for further analysis to conclude about the importance of NAAC accreditation for HEIs in maintaining, sustaining, and improving their quality.
January 2004, In Kerala, 61 colleges and 4 universities have been assessed and accredited by the NAAC until September 2003. The present analysis relates to the PTRs of these institutions University, Kalady, which is a unitary institution but with many centres all over the State has also not undergone the A & A process, there were 198 Arts, Science and Commerce colleges in the state in April 2002. Therefore, about 20 percent of the colleges and almost 80 percent of the Universities have undergone the process of A & A by the NAAC.

Need for the Study
- Institution to know its strengths, weaknesses, and opportunities through an informed review process
- Identification of internal areas of planning and resource allocation
- Collegiality on the campus
- Funding agencies look for objective data for performance funding

- Institutions to initiate innovative and modern methods of pedagogy
- New sense of direction and identity for institutions
- The society look for reliable information on quality education offered
- Employers look for reliable information on the quality of education offered to the prospective recruits ☐ Intra and inter-institutional interactions.
- Goals and trends of global knowledge have been given importance

Objectives
1. To assess improvement in implementation of Academic/ curriculum, co-curriculum and extracurriculum studies undergoing National Assessment and Accreditation Council (NAAC) in comparison affiliated to university.
2. To assess the quality of academic performance among nursing students undergoing National Assessment and Accreditation Council (NAAC) in comparison affiliated to university.

Hypotheses
H0 : Thereof may not be an improvement in the quality in Academic/ curriculum, co-curricular and extracurricular activities before and after National Assessment and Accreditation Council (NAAC). **H01 :** There may be an improvement in the quality in Academic/ curriculum, co-curricular and extracurricular activities before and after the National Assessment and Accreditation Council (NAAC).

Materials and Methods Research Design: Comparative study **Setting:**
Nursing College in Metropolitan City **Population:**
The population for present study is a Basic B.SC Nursing students in selected college of metropolitan city.

Sample Size and Sampling:
The sample size for the present study was 50 and Non-probability convenient sampling was used due to sampling dependency upon the availability, fulfillment of inclusion criteria

Inclusion Criteria:
1.Student who are willing to participate
2. Student who are studying in B.SC nursing from 1styear to 4styear course.

Exclusion Criteria:
1) Student of Basic B. SC nursing who are not willing to participate 2) Age group is above 18

Tool for Data Collection:
A self-structured questionnaire divided into
- Demographic data
- departmental activities
CRITERIA 1 - Self Structured questionnaire on curriculum Assessment of students.
CRITERIA 2 - Self Structured questionnaire on Academic Assessment students.
CRITERIA 3 - Self Structured questionnaire on research consultancy and extension effects on students.
CRITERIA 4 - Self Structured questionnaire on infrastructure and learning resources students.
CRITERIA 5 & 6 - Self Structured questionnaire on student support and progression
CRITERIA 7 - Self Structured questionnaire on women empowerment.
CRITERIA 8 - Self Structured questionnaire on innovation and best practices.

Validity and Reliability:
In the present study content scrutinised and validated for accuracy, appropriateness, and adequacy by a experts from the field of Mental Health Nursing & expert guidance from psychiatry, Psychology, Sociology, Statistician and other field of nursing experts.

Ethical Considerations:
Ethical approval was obtained from the institutional review board. Written consent was obtained from participants.

Demographic Characteristics of Participants
A total of 50 nursing students participated in the study. Their demographic profile is summarized in Table 1.

Results:

Table 1: Distribution of samples according to their demographic data like Age, BSc Nsg Batch and Medium, What is your Passing year

Sr. no.	Demographic Characteristic	Frequency	Percentage
1.	Age		
	18 – 20 years	3	5.8 %
	20 – 24 years	35	67.3 %
	Above 24 years	12	26.9 %
2.	B. Bsc Nsg. Batch		
	1st	2	3.8%
	2nd	4	7.7%
	3rd	3	5.8%
	4th	25	48.1%
	Pass out	16	34.6%
3.	Medium of Instructions in the college		
	English	45	86.5%
	Marathi/Hindi	5	13.5%
	Any Other	0	0%
4.	Place of Residence During Course		
	With parents	30	58.8%
	With Guardian	8	15.7%
	Hostel	10	19.6%
	As paying guest	2	5.9%
5.	Nursing Career as per choice		
	Yes	46	88.5%
	No	4	11.5%
6.	What is your Passing year		
	2016 – 2017	7	14%
	2018 -2019	1	2%
	12020 – 202	6	12%
	2022 - 2023	36	72%

Result sows that 35(67.3%) in age group belongs to 20-24 years of age, 25(50%) from 4th year batch, 45(86.5%) sample had taken instruction from English medium, 46(88.5%) sample selected this career choice by their own **,** 30(58.8%) samples living with parents and 36(72%) sample will pass in 2022-2023 year.

Table 2:- Curriculum

Sr No.	Curriculum planning	Strongly Agree	Agre e	Neutra	Disagre	e Strongly Disagree
1	Are you aware of curriculu planning (academic calenda Master rotation, clinical rotatio & evaluation process) preparation	37%	58%	4%	2%	2%
2	Are you getting information about the exam i.e timetable on time?	40%	54%	8%	0%	0%
3	Is the academic calendar discussed with you?	25%	56%	19%	0%	0%
4	Are your exams conducted on time ?	17%	62%	21%	0%	0%
5	Is there availability of Enrichment workshops?	23%	56%	21%	2%	0%
6	Is students are aware about th courses i.e general an environmental sanitation, huma values, professional ethic emerging demographic issues?	31%	46%	23%	0%	0%
7	Have you got the facility of ext add on courses, value adde courses and Interdisciplina courses ?	29%	54%	17%	0%	0%
8	Are you satisfied with the mechanism of feedback?	31%	56%	12%	2%	0%

There are 62% of students are strongly agree and agree with curriculum planning, remaining 39% of students are neutrally satisfied with curriculum planning.

Table 3 : Academic assessment

Sr No	Academic Assessment	Strongly Agree	y Agr	e Neutr l	Disagr e	Strongly Disagree
1	Do you have facilities for a proper Mentoring plan?	25%	56%	17%	2%	0%
2	Is your mentoring involved with th Mentors,e HOD's and principal ?	33%	46%	19%	4%	0%
3	Have you ever participated in teaching learning activities like street Play, health education?	50%	39%	12%	0%	0%
4	Are you happy with the smart classroom use in teaching-learning	37%	46%	1%	2%	0%
5	Are you satisfied with the teaching staff availability?	22%	61%	18%	0%	0%
6	Are you finding yourself improve after semester pattern?	21%	60%	19%	0%	0%
7	Are you happy with these new syllabus changes?	14%	52%	31%	6%	0%
8	Are you happy with the evaluation process as per MUHS criteria?	15%	56%	27%	4%	0%
9	Do you feel all this changes after NAAC is help to improve your learning outcome?0	37%	40%	21%	2%	0%
1 0	Do you like to take part in student satisfaction surveys?	21%	58%	23%	0%	0%

In Academic assessment, 61% of students strongly agree and agree with academic assessment and remaining 39% of students are neutrally satisfied with academic assessment.

Table 4 : Research, Consultancy and Extension

Sr No	Research, Consultancy and Extension	Strongly Agree	Agre	Neutr a	Disagr e	Strongly Disagree
1	Are you happy with individual research as compared to group research?	19.20%	44.20 %	26.90 %	9.60%	0%
2	Are you satisfied with research books kept in the library of previous students for reference?	25%	53.80 %	17.30 %	3.80%	0%
3	Do you think research improves your confidence?	30.80%	44.20 %	21.20 %	3.80%	0%
4	Are you aware about extension activities like quiz competition, nutritional quiz, MOU?	30.80%	53.80 %	17.30 %	0%	0%
5	Do you like to participate in extension activities?	23.50%	58.80 %	17.60 %	0%	0%
6	Do you find no activities increased in co-curriculum?	41.20%	43.10 %	13.70 %	2%	0%

In Research consultancy and Extension, 59% of students strongly agree and agree with Research consultancy and extension, 33% of students are neutrally satisfied and remaining 8% of students disagree with Research consultancy and extension.

Table 5 : Infrastructure and Learning Resources

Sr No	Infrastructure and Learning o Resources	Strongl Agree	Agre	Neutr	a Disagr	Strongly e Disagre
1	classroom, library, computing equipment, sports facilities, indoor outdoor games, yoga, Gym, hall, auditorium, campus, medical facilities, toilet, post office, alternative source of energy, greenery, savage treatment plan, hostel, etc. Have you enjoyed all these facilities in college?	30%	50%	15.40	% 1.90%	1.90%
2	Are you getting enough clinical equipment & laboratory facilities in college?	25%	65.40	% 9.60%	1.90%	0%
3	Are you getting a facility posted in a affiliated parental hospital?	30.80%	59.60	% 9.60%	0%	0%
4	Have you a wear Our college library is having integrated management system?	19.20%	63.50	% 17.30	% 0%	0%
5	Are you all getting facilities for e- library and offline reference books?	25%	67.30	% 7.70%	0%	0%
6	Our college has the availability of ICT facilities (smart classroom, seminar hall,wifi,projector,etc.)	28.80%	59.20	% 9.60%	0%	1.90%

In Infrastructure and Learning Resources, 58% of students strongly agree and agree with Infrastructure and learning resources, 28% of students are neutrally satisfied and remaining 4% of students disagree with Infrastructure and learning resources.

Table 6:-Student Support and Progression

Sr No	Student Support and Progressio	Strongly Agree	Agre	Neutr	a Disagr	Strongly e Disagree
1	Are you getting benefits of scholarships (government non- government) to students who are eligible?	28.80%	58.80	% 13.50	% 3.80%	0%
2	Have you benefited from career guidance counselling sessions conducted by the college ?	32.70%	51.90	% 15.40	% 0%	0%
3	Are you aware about grievance redressal mechanisms related to anti ragging?	25%	61.50	% 13.50	% 0%	0%
4	Do you know you are responsible to inform UG college about you taking higher education or giving any competitive exams after leaving college ?	25%	59.60	% 15.40	% 0%	0%
5	Whether your SNA unit is active and conducting many activities?	40.40%	50%	9.60%	1.90%	0%
6	Would you like to give credit to your college for your contribution to your success?	27.50%	62.70	% 5.90%	3.90%	0%

In Student Support and Progression , 63% of students strongly agree and agree with Student Support and Progression ,29% of students are neutrally satisfied and the remaining 8% are disagree with Student Support and Progression.

Table 6:- Women Empowerment

Sr No	Women empowerment	Strongly Agree	Agre	Neutr	a Disagr	Strongly e Disagree
1	Do you feel webinar conducted o women empowerment, cyber safety by the college are useful?	31.40%	52.90	% 15.70	% 0%	0%
2	Do you like to appreciate the new Nirbhaya pathak training provisio to final yearn students?	34.60%	53.80	% 11.50	% 0%	0%
3	Self defence training is useful to you?	30.80%	63.50	% 7.70%	0%	0%
4	Do you feel safe in the college environment?	36.50%	50%	13.50	% 0%	0%
5	CCTV Surveillance Is useful or not?	36.50%	51.90	% 9.60%	0%	3.80%
6	Are you aware about committees which are working towards your safety and security?	23.50%	67.30	% 7.70%	1.90%	0%
7	Tree plantation in campus, Lectur one marine pollution drive and cleaning activities conducted by college is useful to you or not?	23.50%	62.70	% 13.70	% 2%	0%
8	Are you oriented to rules and regulations in college and clinical ?	25%	65.40	% 9.60%	0%	0%
9	Are you able to be satisfied with new learning in covid pandemic posting?	40.40%	50%	9.60%	0%	0%
1 0	Have you been able to learn to be social initiative, society approach, and to build confidence?	25%	57.70	% 17.30	% 0%	0%

In Women Empowerment, 64%% of students strongly agree and agree with Women Empowerment and remaining 36% of students are neutrally satisfied with Women Empowerment facilities.

Table 7 :-Innovations and Best Practices

Sr No	Innovations and Best Practices	Strongly Agree	Agre	Neutr	a Disagr	Strongly e Disagree
1	Are you satisfied with your nursin lab which is occupied with all bas clinical set-up and dummies to be practices of demos?	30.80%	55.80	% 11.50	% 1.90%	0%
2	Doctors are conducting seminars?	23.50%	56.90	% 17.60	% 2%	0%
3	Are you all doing demos and re- demos Under Supervision?	34.60%	53.80	% 11.50	% 0%	0%
4	Whether your hands-on experienc is improving?	36.50%	53.80	% 9.60%	0%	0%
5	Feedback is getting on time after the process?	25%	51.90	% 21.20	% 1.90%	0%
6	Whether a teacher's qualification helps you to get effective knowledge?	23.50%	58.80	% 17.60	% 0%	0%
7	Do you experience a needle stick injury follow up?	25.50%	39.20	% 19.60	% 11.50%	3.90%
8	Do you experience infection control seminar teaching?	30.80%	53.80	% 15.40	% 0%	0%
9	Whether they are getting treatmen individually?	19.20%	59.60	% 21.20	% 1.90%	0%
1 0	Do you find community projects increased?	28.80%	59.60	% 13.50	% 0%	0%

In Innovations and Best Practices, 60% of students strongly agree and agree with Innovations and best practices ,36% of students are neutrally satisfied and the remaining 4% are disagree with Innovations and best practices.

Table 8 :-Other Development

Sr No	Other Development	Strongly Agree	y Agre	Neutr	a Disagr	Strongly e Disagre
1	Do you get a facility of medical check up on admission ?	17.30%	57.70	% 21.20	% 1.90%	1.90%
2	Provision of Vaccination for every student is important.(Against- hepatitis B , covide-19) is helpful?	34.60%	51.90	% 11.50	% 0%	1.90%
3	Personality Development Setion ar mandatory to improve confidence which is conducted by our nursing department	28.80%	57.70	% 11.50	% 1.90%	0%
4	whether College facilities utilize other college students like first aid?	28.80%	48.10	% 23.10	% 1.90%	0%
5	Our college is providing different certification courses with academic/curriculum Which is beneficial to every student for development?	42.30%	42.30	% 17.30	% 0%	0%

In Other Development, 58% of students strongly agree and agree with other development ,36% of students are neutrally satisfied and the remaining 10% disagree with other development.

Summary of Findings
• 35(67.3%) in age group belongs to 20-24 years of age, 25(50%) from 4th year batch, 45(86.5%) sample had taken instruction from English medium, 46(88.5%) sample selected this career choice by their own **,** 30(58.8%) samples living with parents and 36(72%) sample will pass in 2022-2023 year.
• There are 62% of students are strongly agree and agree with curriculum planning, remaining 39% of students are neutrally satisfied with curriculum planning.
• In Academic assessment 61% of students strongly agree and agree with academic assessment.
• In Research consultancy and Extension, 59% of students strongly agree and agree with Research consultancy and extension.
• In Infrastructure and Learning Resources, 58% of students strongly agree and agree with Infrastructure and learning resources.
• In Student Support and Progression 63% of students strongly agree and agree with Student Support and Progression.
• In Women Empowerment 64%% of students strongly agree and agree with Women Empowerment.
• In Innovations and Best Practices 60% of students strongly agree and agree with Innovations and best practices.
• In Other Development 58% of students strongly agree and agree with other development,

Discussion
The present study aimed to assess the quality improvement in academic, co-curricular, and extracurricular activities after NAAC implementation in a nursing college in a metropolitan city. Findings from the data collected through a structured questionnaire from 50 nursing students reflect a significant positive shift in various educational domains post-NAAC assessment. Across curriculum planning, This demonstrates that NAAC-related protocols likely enhanced transparency, structure, and scheduling in academic management. In academic assessment**,** students acknowledged improvements in mentoring systems, teaching-learning methods like street plays and smart classrooms, and satisfaction with syllabus revisions and MUHS-aligned evaluation processes In terms of research, consultancy, and extension**,** a small proportion still expressed neutrality or disagreement, indicating room for further strengthening of research culture and individualized support. Regarding infrastructure and learning resources, most students reported better access to facilities such as libraries, laboratories, ICT-enabled classrooms, and clinical placements. This aligns with NAAC's emphasis on resource augmentation as a criterion for accreditation. Student support and progression and women empowerment Students were especially appreciative of active SNA units, career guidance, anti-ragging awareness, and initiatives like Nirbhaya Pathak training and self-defense sessions—affirming NAAC's role in fostering safe, inclusive, and supportive educational environments. Innovation and best practices showed strong engagement in hands-on demos, infection control teaching,

and feedback systems. Similarly, responses to other development initiatives— including medical check-ups, vaccinations, personality development, and certification programs— reflected the broader, holistic educational vision promoted by NAAC standards. In all, findings demonstrate that NAAC accreditation has acted as a catalyst for systematic quality improvement across academic and non-academic areas. These results are consistent with earlier literature that cites NAAC as an effective quality assurance mechanism driving reform in Indian higher education institutions.

Conclusion

On the basis of the findings, it can be concluded that NAAC accreditation significantly contributes to quality enhancement in nursing education by improving curriculum delivery, enriching student experiences, and ensuring institutional accountability. The comparative assessment revealed that educational standards and student satisfaction levels were positively influenced after NAAC implementation. While the overall responses were positive, a minority of students remained neutral or dissatisfied in select areas, suggesting opportunities for ongoing feedback and refinement, especially in research facilitation and individualized academic support. Thus, it is recommended that institutions continue to align with NAAC guidelines while also customizing strategies based on student feedback to sustain and deepen quality improvements. Further large-scale, multi-institutional studies are encouraged to generalize findings and strengthen evidence-based practices in academic governance and quality assurance.

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