

National Workshop

Thematic Session 12

Providing Quality Education: Accreditation and Ranking

Participating Universities



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY

(A Haryana State Government University, Accredited A* Grade by NAAC)
Established by Haryana State Legislative Act No. 17 of 1995 & Recognised by UGC Act 1956 u/s 12-B & 2(F)



KANNUR UNIVERSITY

Re-accredited by NAAC with "B++" Grade

गोंडवाना विद्यापीठ, गडचिरोली

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Groups for the Workshop with State Universities

Session 12: Providing Quality Education: Accreditation and Ranking (NAAC, NIRF, IQAC)

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Structure of Presentation

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Challenges Faced by State Public Universities

- **1. Structural & Infrastructure Gaps**

- Outdated physical infrastructure
- Poor faculty-student ratio
- Low digital infrastructure
- Limited autonomy affecting governance

- **2. Academic & Curricular Issues**

- Curriculum-industry disconnect
- Outdated programs; lack of interdisciplinary focus
- Low alignment with job market needs

- **3. Faculty Shortages & Quality**

- Shortage of qualified educators
- Limited faculty development programs
- Poor incentives for faculty retention

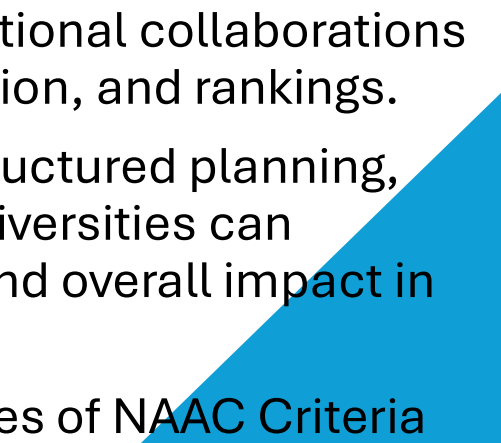
- **4. Weak Research Ecosystem**

- Inadequate research funding and output
- Low contribution to national innovation
- Need for innovation hubs and collaborative projects

Key Strategies for Credible Accreditation

- Develop **transparent, well-defined standards**
- Use **peer review** by experienced academicians
- Conduct **periodic reviews** and **impact assessments**
- Engage **all stakeholders**: faculty, students, alumni, employers
- Leverage **technology & data analytics** for accuracy
- Ensure **alignment with global benchmarks**
- Promote **multilingual and cultural exchange programs**
- Launch **strategic branding** and participate in global rankings
- Pursue global accreditations (AACSB, ABET, EQUIS, AMBA)
- Form **international partnerships** and dual-degree programs
- Update curricula with **global trends & innovative pedagogy**

Strategies for Improving Quality of Education at State Public Universities

- ❖ Improving education in Indian SPUs requires a holistic and strategic approach that focuses on modernizing curricula, enhancing faculty capabilities, fostering research and innovation, integrating technology, and ensuring inclusive access.
 - ❖ Strengthening governance, quality assurance, and international collaborations is essential for boosting institutional credibility, accreditation, and rankings.
 - ❖ By aligning efforts with NAAC and NIRF criteria through structured planning, resource investment, and continuous evaluation, state universities can significantly enhance their reputation, competitiveness, and overall impact in the higher education landscape.
 - ❖ Recommendations being presented under broad categories of NAAC Criteria
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1. Relevant and Inclusive Curriculum

An effective curriculum is central to any educational institution, aligning with both global trends and local needs. It should focus on diversity, academic flexibility, career orientation, multi-skill development, and active stakeholder involvement. Key strategies for improving curriculum include desirable **Student Attributes (SA)**:

- **Curriculum Modernization:** Align educational programs with global job market needs and technological advancements by partnering with industry leaders and fostering interdisciplinary learning.
- **Local and Global Relevance:** Design programs that meet local, regional, and global development needs, with a focus on employability, entrepreneurship, and skill development through projects, internships, and community engagement.
- **Skill Integration:** Incorporate skill-based courses into the core curriculum to bridge the gap between academic learning and industry requirements.
- **Cross-cutting Issues:** Integrate themes like Professional Ethics, Gender, Human Values, Environment & Sustainability, in line with SDGs and NEP 2020.
- **Online Learning:** Encourage students to explore online platforms like MOOCs, SWAYAM, and NPTEL for better exposure and understanding.
- **Cultural Education:** Establish Regional Cultural Education Centers to enhance students' cultural knowledge and appreciation for Indian heritage.
- **Feedback Mechanism:** Regularly gather feedback from stakeholders (students, teachers, employers, alumni) to improve curriculum quality and relevance.

2. Strengthening Teaching-Learning and Evaluation Process

Improving teaching and learning effectiveness requires interactive and student-centered approaches that foster higher-order thinking, including debates, projects, experiments, and the use of ICT. Key strategies include improving **Teacher Attributes(TA)**:

- **Outcome-Based Education (OBE):** Implement OBE frameworks to track student performance, placements, and progress in higher education, ensuring alignment with academic goals.
- **Student Satisfaction:** Regularly monitor student satisfaction through feedback to assess the quality of teaching and identify areas for improvement.
- **Equity and Access:** Focus on providing equitable access to education by representing students from diverse geographical, socio-economic, and cultural backgrounds during the admission process.
- **Support for All Learners:** Assess student learning levels and offer special sessions for advanced and slow learners, alongside a strong Mentor-Mentee program for academic and psychological support.
- **Student-Teacher Ratio:** Address the dwindling student-teacher ratio by advocating for increased financial support to maintain a healthy balance.
- **Student-Centric Learning:** Encourage experiential and participative learning, and ensure teachers use ICT tools for effective education.
- **Automation of Administrative Functions:** Fully automate admission and examination processes, providing students with the ability to track their progress and ensure quick declaration of results.
- **Faculty Development:** Invest in professional training for faculty to stay updated with teaching methods and

3. Research Infrastructure and Innovations

- **Increased Funding and Innovation Hubs:** Boosting research funding and establishing innovation hubs can foster collaboration between universities, industries, and research institutions, driving technological advancements and entrepreneurship.
- **International Collaboration:** To improve global rankings, HEIs should focus on enhancing research output, academic reputation, and forming international partnerships.
- **Research Facilities and Policies:** Strengthening research infrastructure by ensuring the availability of quality laboratories, libraries, and research advisory committees is vital for high-quality research.
- **Extramural Funding:** Securing external funding from government and non-government organizations is critical for expanding research capabilities.
- **Faculty Development:** Encouraging faculty participation in professional development, seminars, and conferences ensures continuous learning and research advancement.
- **Innovation and Entrepreneurial Ecosystem:** Establishing incubation centers and innovation hubs supports the development of new technologies and startup initiatives, while protecting intellectual property rights is crucial for commercialization.
- **Research Publications and Impact:** Increasing research publications in peer-reviewed journals and measuring their impact through citation indices enhances institutional credibility.
- **Consultancy Projects:** Engaging in consultancy and generating revenue from these projects strengthens institutional

4. Physical Infrastructure and Learning Resources

Maintaining and enhancing physical infrastructure is critical to ensuring the quality of academic programs in HEIs. Key strategies include:

- **Technological Integration:** Investing in digital infrastructure supports online learning, streamlines administrative processes, and incorporates emerging technologies like AI and data analytics into academic programs.
- **Comprehensive Campus Facilities:** The campus should offer a range of physical facilities, including spaces for cultural activities, sports, yoga, ICT classrooms, and modern laboratories to support holistic student development.
- **Campus Enhancements:** Short-term objectives include improving parking, crèche facilities, lighting, and common areas. Smart campus solutions like digital signage and campus navigation apps will enhance accessibility, especially for students and faculty with special needs.
- **Library as a Hub of Excellence:** Libraries should incorporate advanced technology such as plagiarism checkers and thesis management software to optimize resource accessibility and maintain academic integrity.
- **Learning Management Systems (LMS):** A centralized LMS, along with video conferencing tools, will support online and remote learning opportunities.
- **Infrastructure Maintenance:** Regular maintenance of campus infrastructure, including safety systems like fire alarms and energy-efficient solar lighting, ensures a secure and sustainable environment.
- **Renovation and Feedback:** Renovating older buildings to modernize facilities, addressing urgent issues, and collecting feedback through suggestion boxes will improve infrastructure quality and responsiveness.

5. Ensuring Student Support and Progression

Creating a dynamic and supportive environment is essential for student development and progression. Key strategies include:

- **Ensuring Access and Equity:** Expanding scholarships, financial aid, and outreach programs to promote inclusivity, particularly for students from disadvantaged backgrounds and marginalized communities.
- **Student-Centric Support:** Implementing 360-degree feedback mechanisms, guidance, placement cells, grievance redressal, and welfare measures to provide comprehensive support.
- **Bridge and Skill Enhancement Courses:** Offering bridge courses, value-added programs, and skill development initiatives to enhance learning and support students benefiting from financial aid.
- **Placement and Progression:** Taking corrective actions to improve placement opportunities and support students' progression to higher studies.
- **Support for Examinations and Competitions:** Providing timely counseling and support for students preparing for state, national, or international exams and competitions.
- **Strengthening Alumni Networks:** Building active alumni networks that enhance the university's reputation and support academic and social growth.
- **Promoting Entrepreneurship:** Integrating entrepreneurship education, providing startup hubs, incubation centers, and mentoring to foster an entrepreneurial mindset.
- **Career Counseling and Placement:** Strengthening career counseling, placement services, and holistic support, including mental health resources and extracurricular activities, to enhance employability and student engagement.

6. Strengthening Governance, Leadership & Management

Effective governance, leadership, and management are essential for ensuring the success of higher education institutions (HEIs). Key strategies include:

- **Governance and Autonomy:** Providing more autonomy to HEIs to facilitate innovation, responsiveness, and the smooth implementation of reforms tailored to institutional needs.
- **Policy and Strategic Planning:** Developing detailed institutional plans aligned with the vision and mission, addressing governance, leadership, and long-term growth, and ensuring compliance with the National Education Policy (NEP).
- **E-Governance:** Implementing e-governance for effective administration, including complaint management, student admission, finance, and performance monitoring, alongside a robust performance appraisal system.
- **Faculty Development:** Supporting faculty development programs (FDPs), management development programs (MDPs), and opportunities for attending conferences and workshops to foster continuous professional growth.
- **Quality Assurance (IQAC):** Strengthening the IQAC Cell to institutionalize quality assurance processes, regularly reviewing teaching methodologies, and learning outcomes.
- **International Collaboration:** Establishing partnerships with foreign institutions for joint research, student exchanges, and dual degree programs to improve global engagement and enhance institutional visibility.
- **Public Perception and Branding:** Enhancing the reputation of state public institutions through strategic campaigns, highlighting research achievements, successful alumni, and strengthening alumni networks.
- **Academic and Research Linkages:** Initiating MOUs and collaborations with national and international institutions to promote joint research, faculty exchanges, and resource sharing.
- **National and International Networking:** Actively engaging in academic and research networks to access broader expertise, enhance reputation, and contribute to securing high NAAC grades.

7. Efforts for Building Institutional Values and Best Practices

HEIs must proactively address key issues such as **gender equity, sustainability, inclusivity, and ethics**, through distinctive and impactful practices that shape their identity and improve institutional functioning.

1. Inclusive Infrastructure: Ensure disabled-friendly access with ramps, lifts, signage, assistive tech, and washrooms.

2. Value-based Education: Organize events promoting tolerance, diversity, and constitutional awareness.

i) Embedding Ethics into Academics and Research priorities

ii) Promote research aligned with global SDG goals

VIII Sustainability Outcomes and Green Initiatives:

i) Advancing Green Campus Initiatives by Transforming the physical campus into a model of sustainability:

- 1.Waste Management:** Implement systematic disposal of solid, liquid, biomedical, e-waste, and hazardous materials.
- 2.Renewable Energy:** Promote solar energy, biogas, energy-efficient systems, and sensor-based conservation.
- 3.Green Campus:** Encourage vehicle restrictions, cycling, pedestrian paths, plastic bans, and campus greening.
- 4.Environmental Audits:** Conduct annual green/environment/energy audits to assess and enhance sustainability.
- 5.**Water conservation measures, including rainwater harvesting and wastewater recycling, ensure responsible resource use.

IX Extended Curricular Engagements (Curricular and Extra Curricular):

- i) Enhancing Accessibility and Awareness by developing a Centralized Information Hub that comprehensively lists all co-curricular and extra-curricular activities, including schedules, registration processes, and contact information.
- ii) Orientation and Outreach, especially during student orientation programs, campus events, and through various communication channels like social media, newsletters, and campus-wide emails.
- iii) Reduce Barriers to Participation such as scheduling conflicts with academic commitments, transportation issues, and financial constraints by offering flexible timings, exploring funding opportunities.
- iv) Diversifying and Enriching Offerings through Needs Assessment by regularly surveying students to understand their interests and identify gaps in current offerings.
- v) Developing Thematic Clusters having broad themes and facilitate interdisciplinary engagement.
- vi) Integration of extracurriculars within the academic framework
- vii) Implement a system to recognize students' participation and achievements through co-curricular transcripts or digital badges

X. Supporting State Universities in Their Endeavors to Provide Quality Education: Strengthening Institutional Processes of Accreditation and Rankings

To enhance the credibility and attractiveness of state universities, strategic interventions at the institutional level, particularly with NAAC and NIRF, are critical for showcasing their inherent strengths.

- **Quality Assurance and Accreditation:** Streamlining accreditation processes and developing robust quality assurance frameworks will ensure continuous improvement, aligning with global standards and enhancing credibility.
- **Challenges in Accreditation:** Simplifying data collection and fostering a culture of transparency will support accreditation efforts. Integrating the One
- Nation, One Data initiative will help streamline the ranking and accreditation process.
- **Mentoring for Accreditation:** Accreditation agencies should provide mentoring systems for universities and affiliated colleges, establishing regional centers to offer support during the accreditation process.

Strengthening Institutional Accreditation Process (NAAC)

- **Revamp Assessment Criteria:** Align NAAC metrics with NEP 2020, focusing on student-centric outcomes, digital innovation, and skill development.
- **Outcome-Based Accreditation:** Track employability, entrepreneurship, and societal impact rather than just inputs and processes.
- **Peer Review Reforms:** Use AI tools alongside human oversight to ensure transparency in assessments.
- **Mandatory Accreditation:** Implement mandatory accreditation for all HEIs by 2030, with support for capacity building.

Improving Ranking Mechanisms (NIRF)

- **Weightage Redistribution:** Increase emphasis on research impact, inclusivity, and global collaborations.
- **Subject-Specific Rankings:** Expand rankings to include specific disciplines and interdisciplinary assessments.
- **Data Transparency:** Promote real-time, automated data submission through centralized dashboards.
- **Regional and Tier-Wise Rankings:** Introduce state-wise and rural/urban categorizations to promote regional excellence.

Enhancing the Role of IQAC (Internal Quality Assurance Cell)

- **Real-Time Monitoring:** Use dashboards and continuous internal audits
- **Capacity Building:** Provide regular training for IQAC members on global best practices.
- **Integration with Strategy:** Align IQAC's functions with HEI's strategic goals.

Digital Transformation and Data-Driven Quality Assurance

- **Unified Digital Platforms:** Develop an integrated platform linking NAAC, NIRF, AISHE, and IQAC for real-time monitoring.
- **AI in Quality Audits:** Use AI for predictive analytics and early warnings on institutional performance.
- **Public Dashboards:** Provide open-access dashboards for stakeholders to monitor institutional performance.

Policy and Ecosystem Reforms

- **Accreditation Autonomy:** Encourage multiple accreditation agencies under a strict regulatory framework for innovation.
- **National Quality Assurance Policy:** Create a comprehensive policy aligning NEP goals with global standards.
- **International Accreditation:** Encourage HEIs to seek international accreditation to benchmark with global best practices.

Incentives and Recognition

- **Performance-Based Funding:** Link public funding and grants to accreditation status and NIRF performance.
- **Awards for IQAC Excellence:** Launch national-level awards to recognize best-performing IQACs.
- **Support for Low-Ranked Institutions:** Provide mentoring and support
- **Incentives for Faculty and Vice-Chancellors:** Recognize and reward the leadership and faculty of top-performing institutions.