

Component 10: Research, Innovation & Quality Improvement

10.1 Abstract:

During the current plan period, 20 State Universities who have demonstrated excellence in two or three thematic areas will be supported up to an amount of Rs. 50 crores each through a project-based funding mode with focus on theoretical/empirical and applied R&D to foster innovation and evidence-based policy in certain areas of national priorities.

10.2 Eligibility Criteria

- Only Grade I and II State Universities qualifying under the UGC Graded Autonomy Regulations, 2018 will be considered for support.
- Research, Innovation and Quality Improvement will focus on fostering Innovation, entrepreneurship and employability. States will be encouraged to prepare a Research and Innovation Plan (RIP).
- Selection of Universities will be on challenge /competitive mode and will largely emerge from Universities in collaboration with the DST/DBT, National Laboratories/ leading humanities and social science research centres and industry.
- Universities having undertaken curriculum reforms in one of their flagship department in the last one year

10.3 Short Listing Criteria Indicators & Weights (Total 100 marks)

F. NAAC Score for Institution (20 marks)

S. No.	Indicator	Weights
1	CGPA Above 3.80	20 marks
2	CGPA 3.7-3.79	15 marks
3	CGPA 3.6-3.69	10 marks
4	CGPA 3.51-3.59	9 marks

G. Faculty Positions filled in regular mode for Institution (20 marks)

S. No.	Indicator	Weights
1	Above 85% of sanctioned faculty positions	20 marks

2	80-84.9%	15 marks
3	70-79.9%	10 marks
4	60-69.9%	9 marks

H. Student-Teacher Ratio for Institution (20 marks)

S. No.	Indicator	Weights
1	Above 1:10 – 1:20	20 marks
2	Above 1:20 – 1:30	15 marks
3	Above 1:30 – 1:40	10 marks
4	Above 1:40 – 1:60	6 marks

I. Functional Governance Structure for Institution (20 marks)

S. No.	Indicator	Weights
1	Governing Council/ Board	
	Yes	5 marks
	No	0 marks
2	Academic Council/ Board	
	Yes	5 marks
	No	0 marks
3	Research Council	
	Yes	5 marks
	No	0 marks
4	Board of Studies	
	Yes	5 marks
	No	0 marks
5	Finance Committee	
	Yes	5 marks
	No	1 marks

J. Funding Priority for Cluster as a whole (20 marks)

S. No.	Parameter	Weights
1	Does the institution have a vision-mission statement?	
	Yes (Please upload)	3 marks
	No	0 marks
2	Does the institution offer inter-disciplinary program?	
	Yes	3 marks
	No	0 marks
3	Does the institution offer:	
	UG & PG	3 marks
	Only UG	1 mark
4	Does the institution have research program? (Ph D)	
	Yes	3 marks
	No	0 marks
5	Has the institution been conferred CPE status by UGC?	
	Yes	3 marks
	No	0 marks
6	Does the institution have an Alumni Association?	
	Yes	2 marks
	No	0 marks
7	What is the percentage of students getting placed in the Institution?	
	Over 90%	3 marks
	Over 75%	2 marks
	Over 50%	1 mark
	Below 50%	0 mark

Baseline Data

Particulars of the University:

S No	Information / details	
a.	Details of the State University	
	i.	Name:
	ii.	Address:
	iii.	Location (Metropolitan / Non-metropolitan / Non-urban area):
	iv.	Contact details of the Vice Chancellor, Registrar and Nodal person identified

for this purpose. (Name, designation, landline, mobile, fax, email):

III. Vision of the University:

S. No.	Information to be provided
a.	Fifteen-year Vision Plan including Mission Statement, Values, Institutional Goals & Vision to meet the objectives and Characteristics of an University with quantified milestones and timelines to achieve world class repute as expected in the Regulations.
b.	How far is the Institution/ University from becoming an University, including the present status of the institution, the status which seek to achieve to become as world class and gap in each parameter.
c.	Plan for becoming a University. The plan should give the status of the Institution at the present stage on all relevant parameters, the status to which they seek to reach after ten years and fifteen years on each of the parameters, and how they target to reach the same on each of the parameters.
d.	SWOT analysis of the institution focusing on its present status in the quality hierarchy and the proposed measures to address the shortcomings?

VI. Proposed five-ten-year strategic Plan (for each year):

a.	An academic plan showing the courses proposed and a research plan focusing on current thrust / niche area(s) of expertise and proposed plan in pursuit of excellence in those areas.
b.	A faculty recruitment policy and plan to meet the academic plan requirements and to achieve 1:10 faculty-students ratio.
c.	Proposal, if any, to recruit faculty from industry, Government, Non-profit Organizations, etc. Including foreign faculty.

d.	Student admissions policy mentioning plan to select Indian and foreign students.
e.	Plan to provide scholarship to meritorious Indian and foreign students.
f.	A comprehensive plan to develop research laboratories with demonstrable progress towards it.
g.	Plan for Teaching and Research Collaborations with Global Universities figuring in the most reputed global rankings.
h.	Networking plan outlining the teaching and research collaborations and partnerships
i.	Infrastructure development plan. (Existing and Proposed infrastructure with financial repercussion and time line for development)
j.	Administrative plan for getting accreditation from National and International Agencies as well as marketing and promotion.
k.	Governance plan elaborating the proposed Institutional structure and how it overlaps with ownership, decision-making process and social engagement.
l.	Clarify as to how Governance plan will be committed to the highest global standards of transparency, accountability and efficiency.
m.	Plan for involving the alumni in the management of the Institution and leveraging alumni financial resources.
n.	Intended target on possible world ranking after five, eight, ten, thirteen and fifteen years.
o.	A research plan indicting the research laboratories and other facilities proposed to be established. In case of humanities, social sciences and other interdisciplinary faculties, the research plan should indicate the broad areas and nature of field work and research sought to be done
p.	Sustainability plan for the period when the additional public funding ceases.

VI. Proposed two years implementation plan (for each year)

a.	Mention the detailed and tangible action plan, milestones, and timelines by which it seeks to achieve high performing status, mentioning milestones to be achieved in two years with an annual work plan.
b.	Timeline to achieve the expectations for each of the parameters as proposed in the two-year strategic plan.

States are requested to submit the detailed annual financial plan of expenditure for two years with an annual break up, for total not exceeding Rs. 50 crores.

Other Specifications:

- States that have either already implemented reforms or given the commitment to the earliest implementation of reforms that would facilitate research and innovation at institutional level.
- Plans for providing facilities that support research hubs/parks etc.
- Adoption of meta-university concept that offer cross university education and credit transfer facility to students
- Procure high quality e-resources
- Upgrade library and laboratory facilities
- Facilities like incubation centers, innovation hubs, etc.
- Initiatives to attract top-rated international faculty
- Competitive compensation for faculty
- Initiatives to attract high quality researchers and students
- Institutions that offer merit-based scholarships, fully-funded doctoral fellowships, post-doctoral fellowships
- Hiring of Doctoral and Post-Doctoral Fellows, Visiting Fellows and Professor Emeritus.
- Faculty and students exchange programmes with world-class institutions
- Initiatives to scale up industry-academia partnership
- Promotion of inter-disciplinary and trans-disciplinary research centers
- Promotion of research and entrepreneurial activities
- Support for the setting up of science parks and cutting-edge technology and instrumentation facility
- Support different types of research programs – Base Research, Key Technology (R&D), High end (R&D), etc.
- Develop a network of top quality University – Convergence model
- Outreach and public engagement facility
- Staff Excellence and organizational Stewardship
- Support in bifurcating undergraduate, postgraduate and research programmes
- Identify a few departments or fields of critical importance and move them into a position of world leadership while striving to prevent others from losing such stature.

Note: Expenditure on soft components would be restricted to 60% of the total cost of the estimate. 40% would be towards expenditure on hard components. Hard components

include buildings, furniture, fixtures, equipment etc. However, computers and ICT infrastructure, books and consumables would not be treated as hard components.