

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)
(PHASE-II)**

**FORMAT FOR
DEVELOPMENT PROPOSAL FOR
Sub-Sub-Component 1.2.1 : Establishing Centers of Excellence (CoE)
(Applicable for Institutions selected under sub-component 1.2)**

Name of the Institution : _____

Name of the Center of Excellence to be established : _____

Specific Area(s) of excellence : _____

Note: Institutions desirous for establishing more than one Center of Excellence should submit the separate proposals accordingly.

PROPOSAL FOR ESTABLISHING A CENTER OF EXCELLENCE

1. Institutional Identity

- 1.1 Name of the Institution : _____
- 1.2 Type of Institution : Govt. funded/Govt. aided/Private unaided/Other
- 1.3 Status of Institution : Autonomous Institute as declared by University/
Non-autonomous/Deemed University/
Constituent College
- 1.4 Does the Institution have any CoE? : Yes/No
If Yes, write the name of the Department and specific areas of excellence _____

- 1.5 Name of the CoE to be established : _____
- 1.6 Specific Area of excellence : _____
- 1.7 Names of Heads of Institutions and CoE Coordinators

Head and Coordinator	Name	Phone Number	Mobile Number	Fax Number	Email Address
Head of the Institution (Full time appointee)					
CoE Coordinator					

2. Eligibility Criteria

Institutions to be eligible under the Sub-sub-component 1.2.1 must fulfill the following benchmarks:

Table-38
Benchmarks for Institutions to Qualify for Sub-Sub-Component-1.2.1

S. No.	Attainment Parameters	Benchmark values	Institutional Response (Yes / No)
1	Availability of Academic Autonomy	Yes	
2	Percentage of eligible UG programmes accredited or applied for	75%	
3	Percentage of eligible PG programmes accredited or applied for	60%	
4	Cumulative number of PhDs produced in the last three academic years (2007-08, 2008-09, 2009-10) in the departments participating for establishing CoEs	12	
5	Faculty positions filled on regular full time basis as percentage of total faculty positions sanctioned in accordance with the AICTE prescribed student-to-faculty ratio in the departments participating for establishing CoEs	70%	
6	Percentage of regular faculty with PhD in Engineering as percentage of total faculty in engineering	20	
7	Number of sponsored research projects in engineering completed in the last three academic years (2007-08, 2008-09, 2009-10)	07	

Note : In respect of accreditation benchmarks for Undergraduate and Postgraduate programmes in Universities, Deemed Universities, University Constituted Colleges/Faculties/Departments, NAAC accreditation is acceptable at the entry point. However, all such project entities will have essentially to achieve the Undergraduate and Postgraduate programmes targets of **NBA accreditation** as given in Table-30 for Sub-component 1.1 & Table-35 for Sub-component 1.2.

3. Institutional plan for establishing CoE

- 3.1 Give an Executive Summary of the proposal for establishing CoE.
- 3.2 Provide the details (in terms of methodology used, analysis carried out of the data and information collected and inferences derived with respect to strengths, weaknesses, opportunities and threats) of SWOT analysis carried out.
- 3.3 Give the thematic and specific areas selected for CoE alongwith a brief review of literature.
- 3.4 State the specific objectives of the Center of Excellence.
- 3.5 Give an action plan for establishment of CoE.
- 3.6 Give the details on engagement of various departments in the institution for CoE activities.
- 3.7 Describe academic and research achievements / credentials of faculty to be involved in CoE activities.
- 3.8 Give an action plan for the proposed research areas and the results to be achieved. These objectives should be linked to the SWOT analysis.
- 3.9 Indicate the collaborative arrangements made/under discussion with industries and research institutions / organizations within India and abroad. **Attach MoUs as already signed.**
- 3.10 Give an action plan for communication to policy makers and potential users of research findings and use of CoE facilities for solving real life problems.
- 3.11 Give an action plan for commercialization of research results that may lead to innovation.
- 3.12 Give an action plan for scaling-up PhD & Masters enrolment in the thematic area.
- 3.13 Give a procurement plan for Goods and Consultant Services as per Tables-36 and 37.
- 3.14 Provide budget for establishing Center of Excellence in Table-39.
- 3.15 Provide the incremental institutional project targets against the deliverables indicated in Table-40 in addition to the targets under Sub-component 1.2 with plan for achieving the same.
- 3.16 Give an action plan on how the institution will ensure that the CoE research activities would be sustained after the end of the Project.

Table-39

Project Budget for Sub-Sub-Component 1.2.1

Note: For details of permissible and non-permissible expenditures, please see Table-18 (for Government funded and aided institutions) and Table-19 (for private unaided institutions)

S No	Activities	Project Life Allocation	Financial year(Rs.In Crore)				
			2010-11	2011-12	2012-13	2013-14	2014-15
1	Infrastructure Improvement for applicable thematic research and development						
	(i) Establishment of new laboratories for thematic research						
	(ii) Establishment of knowledge resource center (Library) in the thematic area						
	(iii) Procurement of furniture						
	(iv) Refurbishment (Minor Civil Works)						
2	Providing additional Teaching and Research Assistantships for enrolment in Masters and Doctoral programmes in topics linked to economic or societal needs in the thematic areas						
3	National/International collaboration for Research and Development activities with academic institutions and R&D organizations						
4	Faculty training for enhancing research competence in thematic areas, both within India and abroad						
5	Collaboration with Industry for applicable research and product development						
6	Incremental Operating Cost						
TOTAL							

Table-40

Incremental Project Targets for Center of Excellence

Note: These targets are specific to COE and are thus over and above those for Sub-component 1.2 of the Project.

S. No.	Deliverables	Baseline	Targets to be achieved	
			At the end of 2 years	By Project closing
1	Number of International Exchange programmes			
2	Number of individual publications in peer-reviewed journals: (a) National (b) International			
3	Number of co-authored publications in peer-reviewed journals with names of authors: (a) National (b) International			
4	Number of exchange of research students with collaborating institutions: (a) National (b) International			
5	Number of exchange of research faculty with collaborating institutions: (a) National (b) International			
6	Number of patents obtained			
7	Number of patents filed			
8	Number of external R&D projects			
9	Number of Industry Chairs secured			
10	Number of MoUs with academia: (a) National (b) International			
11	Number of MoUs with industry: (a) National (b) International			
12	Number of products, research and services commercialized			
13	Any other (maximum three)			
(i)				
(ii)				
(iii)				