

TECHNICAL EDUCATION QUALITY IMPROVEMENT

PROGRAMME (TEQIP)

PHASE- II

INSTITUTIONAL DEVELOPMENT PROPOSAL

FOR

SUB COMPONENT 1.1

**INSTITUTIONAL DEVELOPMENT FOR PARTICIPATING
INSTITUTIONS**

Submitted by:

JABALPUR ENGINEERING COLLEGE

GOKALPUR, JABALPUR-482011

1. INSTITUTIONAL BASIC INFORMATION

1.1. Institutional Identity

- Name of the Institution : Jabalpur Engineering College Jabalpur
- Is the Institution approved by Regulatory body? : Yes
- Furnish approval no. : F.NO./1-2814004384/2016-17/EOA
- Type of Institution : Govt. funded
- Status of Institution : Autonomous (Government Organization)
- Name of Head of Institution : Dr A K S Bhadoria

Names of Heads of Institution and Project Nodal Officers

Head & Nodal Officers	Name	Phone Number	Mobile Number	Fax Number	E-mail Address
Head of the Institution	Dr A K S Bhadoria	07612331953	-	07612461355	principal_jec_jabalpur@yahoo.co.in
TEQIP III Coordinator	Dr. Rajeev Chandak	07552576839	9826396732	-	
Project Nodal Officers for :-					
Academic Activities	Dr. S.K.Tiwari	-	9425158149	-	-
Civil Works including Environment Management	Dr. Rajeev Chandak	07552576839	9826396732		-
Procurement	Prof O P Chouhan	0761-2330643	-	-	-
Financial Aspects	Dr B K Chaurasiya	0761-2331152	-	-	registrar@jec-jabalpur.org
Equity Assurance Plan	Dr A K S Bhadoria	07612331953	-	-	-

1.2 Academic Information

Engineering Programmes offered in Academic year 2016-17

S. No	Title of programs	Level (UG, PG, PhD, Diploma)	Duration (Years)	Year of starting	sanctioned annual Intake	Total student strength
1	Civil Engineering	UG(BE)	4	1947	60	240
2	Computer Science and Engineering	UG(BE)	4	2001	90	360
3	Electronics and Telecommunication	UG(BE)	4	1947	90	360
4	Information Technology	UG(BE)	4	2001	90	360
5	Mechanical Engineering	UG(BE)	4	1947	80	320
6	Electrical Engineering	UG(BE)	4	1947	60	240
7	Industrial Production Engineering	UG(BE)	4	1997	90	360
8	Structural Engineering	PG(ME)	2	1956	18	36
9	Geotechnical Engineering	PG(ME)	2	1956	18	36
10	Environmental Engineering	PG(ME)	2	1986	18	36
11	Communication System	PG(ME)	2	1956	18	36
12	Microwave Engineering	PG(ME)	2	1956	18	36
13	Control System	PG(ME)	2	1956	18	36
14	High Voltage & Power System	PG(ME)	2	2007	18	36
15	High Voltage Engineering	PG(ME)	2	1956	18	36
16	Heat Power Engineering	PG(ME)	2	1956	18	36
17	Machine Design	PG(ME)	2	1956	18	36
18	MCA	PG	3	1993	60	180
Part Time Degree Courses						
19	Civil Engineering	UG(BE)	4	1966	20	80
20	Mechanical Engineering	UG(BE)	4	1966	20	80
21	Electrical Engineering	UG(BE)	4	1966	20	80
22	Electronics & Telecommunication	UG(BE)	4	1983	10	40

Accreditation Status of UG Programmes :

S.NO.	Title of UG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on December 31st,2016 or not
1	Civil Engineering	YES	NO
2	Mechanical Engineering	YES	NO
3	Electrical Engineering	YES	NO
4	Electronics & Telecommunication	YES	NO
5	Information Technology	YES	NO
6	Computer Science and Engineering	YES	NO
7	Industrial Production Engineering	YES	NO

Accreditation Status of PG Programmes :

S.NO.	Title of PG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on December 31st,2016 or not
1	Structural Engineering	YES	NO
2	Geotechnical Engineering	YES	NO
3	Environmental Engineering	YES	NO
4	Communication System	YES	NO
5	Microwave Engineering	YES	NO
6	Control System	YES	NO
7	High Voltage & Power System	YES	NO
8	Heat Power Engineering	YES	NO
9	Machine Design	YES	NO

1.3 Faculty Status (Regular/On-Contract Faculty As on December 31st, 2016)

Faculty Rank	No. of Sanctioned Regular Posts	Present Status : Number in Position by Highest Qualification												Total Number of regular faculty in Position	Total Vacancies	Total Number of contract faculty in Position
		Doctoral Degree				Masters Degree				Bachelor Degree						
		Engineering Disciplines		Other Disciplines		Engineering Disciplines		Other Disciplines		Engineering Disciplines		Other Disciplines				
		R	C	R	C	R	C	R	C	R	C	R	C			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15= (3+5+7+9+11+13)	16= (2-15)	17= (4+6+8+10+12+14)
Prof	24	11	NIL	11	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	22	02	-
Asso Prof	55	NIL	NIL	1	NIL	11	NIL	2	NIL	NIL	NIL	NIL	NIL	14	41	-
Asst Prof	110	3	NIL		NIL	35	NIL	13	NIL	NIL	NIL	NIL	NIL	51	59	-
Other	04	-	-	-	-	-	-	-	-	-	-	-	-	-	04	-
Total	193	14	-	12	-	46	-	15	-	-	-	-	-	87	106	NIL

2. INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP)

2.1 Give the executive summary of the IDP

This Institutional Development Proposal (IDP) is consolidating the progress made so far and also by adding the future plan that has been prepared based on the individual proposals received from all major Departments of the Institution that offer Post graduate and Under graduate programs. Faculties of all allied departments are pooled with the engineering departments.

The overall objective of the scheme has been is to increase enrolment in postgraduate education and research and also to enhance research, development and innovation in engineering. Institute has upgrading the quality of existing PG programs, establishing new PG labs, upgrading existing PG labs, attracting good quality students for the postgraduate education and research, developing an atmosphere conducive for research in the department, strengthening industry institute collaboration as well as collaboration with reputed institutes, organizations and professional bodies within and outside the country, training of faculty and supporting staff, encouraging faculty to attend seminars, workshops and conferences etc. The institute proposes to enhance the research activities in the thrust areas like Microwave Communications, Information Storage and Security, Software Engineering, Concrete Technology and Product Design and Development, Disaster Management, which will progressively be developed into centers of excellence with the help of TEQIP programme for undertaking advanced research in the aforesaid thrust areas. The Institute plans to depute the faculty members to the premier institutes like IIT, IISc, IIIT etc. and R&D Organizations for subject-domain training with the objective of helping them to keep themselves abreast with the latest developments including technical advancements in their areas of specialization, which in turn will enhance standards in PG programs and the quality of research. The Institute also plans to take part in the community development activities like water resource management, environment protection, food security and low cost housing. The Institute continues to follow the reservation policy of the Govt. of India in admissions. In the area of governance, the Institute plans to establish systems and bring about several reforms in the institutional management with a view to creating newer avenues for growth by blending skills and administrative capabilities drawn from different departments of the Institute. . It is expected that these measures will improve the visibility of the Institution and this, in turn, is expected to attract good quality students for post graduate education and research. The Institution will thus be able to contribute to the task of nation building much more effectively