

Jabalpur Engineering College, Jabalpur



Annual Report 2018-19

Jabalpur Engineering College, Jabalpur

Vision:*To be a front Runner in Technical Education providing Academic Excellence satisfying*

Global needs

Mission:*To develop world class infrastructure and knowledge empowerment mechanism for carving out graduates and postgraduates of high level of competence embedded with wisdom and dedicated to ethics and values..*

To conduct research in the frontier areas and to develop innovative and creative problem skills

*To establish strong linkages with technical institutions, industries, R&D and community **organizations***

Program Educational Objectives (PEOs):

- *After the completion of graduation, within four to five years, the graduates will be able to:*
- *Solve complex problems using concepts of basic sciences and core engineering*
- *Design safe economical and eco-friendly infrastructures.*
- *Apply innovative techniques to handle their technical assignments*
- *Take decisions with wisdom and self-confidence while facing real life engineering problems*

Stakeholders meeting was organized at the institute to formulate vision and mission after completing a well defined process of SWOT analysis of the college. In this SWOT analysis the Strengths, Weaknesses, Opportunities and Threats of the college were analyzed with high rigor and vigour.

Facts of Jabalpur Engineering College, Jabalpur

Glorious Past:

On 7 July, 1947 Government Engineering College, Jabalpur was inaugurated. This event was followed by the greatest historic bloodless revolution in the history of mankind, when on 15 August 1947, our motherland 'India' was declared 'independent'. Until 1947, there was only one engineering institution at Diploma Level at Nagpur in the whole state of Central Provinces & Berar. Just on the eve of independence, realizing the need of a large number of engineers for nation building activities in independent India, the Govt. of C.P & Berar decided to open an engineering college at **Jabalpur**. **Prof. S.P Chakravarti**, Head of Electrical Technology Department of Indian Institute of Science, Bangalore was appointed as **first Principal** of this college. He took over the charge on **1 April 1947**. The Founder Principal, within three months only, got the college inaugurated formally by **Hon'ble Minister of Education Shri S. V. Gokhale on 7 July 1947**.

The college since its inception has a well equipped **High Voltage laboratory and Telecommunication** department which was not available in any other contemporary colleges. Even before the advent of Television in the country, Telecommunication lab was established in this college. The electrical Engineering Department has been made as one of the **Centre of Excellence** by Government of India in recognition of its contribution in the area of High Voltage research and testing. It is getting grants from the government to further promote research and development activities. The college also has the distinction of being the first in India to offer B.E degree in Electronics and Telecommunication. The first TV Transmitter was installed in Electronics and Tele Communication Department on 24 October, 1951. Similarly, the other departments of the college are also engaged in academics, research, testing and consultancy work

The alumni of the institute can be found across the globe adorning very high positions in academics, industry, politics, administration, research & entrepreneurship, thus creating international flavor for the institute. Some eminent personalities of JEC are : Er. Sharad Yadav, Ex-Cabinet Minister; C.B Bhawe, Former Chief Secretary Govt. of Madhya Pradesh; Er. Sudhir Mishra CEO, Brahmos Aerospace; Er. Anupam Shrivastava, Chairman BSNL; Er. Ajai Choudhary founder HCL, Padma Bhushan; Er. Sharad Saxena, Veteran Film actor and many more. The college celebrated its **Silver Jubilee from 22nd to 24th February, 1973**. which was inaugurated by Hon'ble Minister of Education Shri Arjun Singh & Padma Vibhushan Dr. V.S. Jha ex education secretary. The college celebrated its **Golden Jubilee** in the year 1997, when the entire nation was celebrating Golden Jubilee year of Independence

Panorama of Achievements during the Present Decade:

Today JEC is an autonomous College affiliated to Rajeev Gandhi Proudyodik Vishwavidyalaya (RGPV) Bhopal approved by All India Council of Technical education (AICTE), Delhi.. Even in the present decade the college has continued to excel and maintain its standard. It has achieved several milestones, living up to its motto "Onwards on Wings"

Jec has successfully completed TEQIP I and TEQIP II schemes of Government of India in which emphasis was on infrastructure. It has now been selected to participate in TEQIP III World Bank Project of Government of India. Under this project the college will get 15 crores as financial grant to upgrade the college till 2019-20. TEQIP III funds are made available for attending short term courses, workshops and seminars. **A Design Innovation Centre** has been approved to be established in the institute by the BOG.

The principal of our college Dr.S.S Thakur has striven towards continuing this saga of excellence by accepting the challenge of getting our courses accredited He has set up a new bench mark by scoring a grade "A" in NBA accreditation – a well established signature of excellence in the world of academia. Our

principal has ensured that JEC provides a curricula with relevance to modern development. Due to his sincere efforts the college now provides AICTE's newly outcome based model curriculum to all its undergraduate programmes. The curriculum includes provision for mandatory internship and induction programme as endorsed by MHRD.

Our excellence is not just confined to the classroom, we are active in organizing conferences, workshops, seminars, guest lectures, co-curricular activities and extra-curricular activities. These activities and educational methodology helps in the overall development of our students. Our principal has ensured that the best of the technologies be incorporated in teaching learning process.

JEC has wide spectrum of students excelling in different field. Students have presented papers at international level, are interns at Top International universities, winners of national level sports and cultural championship. JEC provides a platform for overall development of students thus providing them exposure to brighter career opportunities.

Courses Accredited:

Four UG programmes namely: Civil Engineering, Mechanical Engineering, Electronics & telecommunication Engineering, & Electrical Engineering were granted **provisional accreditation** for three years w.e.f 12 September, 2003 to 12 September, 2006. Second time this institute was **granted accreditation for five UG programmes** namely: Civil Engineering, Mechanical Engineering, electrical Engineering, Electronics & Telecommunication Engineering & Computer Science & engineering. W.e.f. 15 March, 2012 to 15 March, 2015.

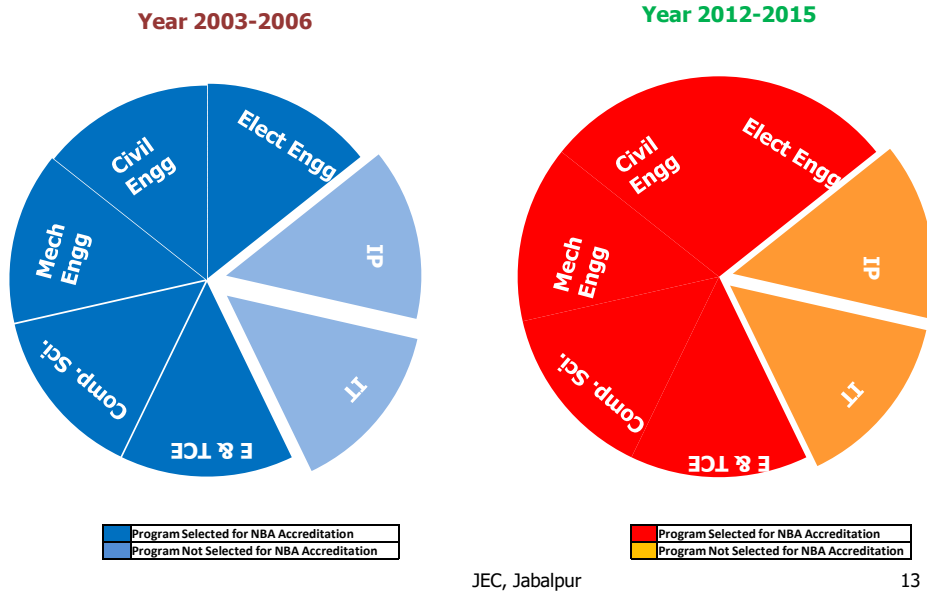
Two branches of JEC namely **Civil Engineering and Electrical Engineering w.e.f 2019 to 2022 have now been accorded with accreditation by National Board of Accreditation (NBA)**, New Delhi. This prestigious accreditation has Put JEC in line with the select few institutes of the country. NBA accredits an institution based on the quality of infrastructure, quality of faculty, quality of teaching –learning process, and number of placements besides many other parameters. An Expert committee conducted verification from to..... The report submitted by the Expert team was considered by the concerned committee constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the program as given in the table below:

S.NO	Name of the Programme (UG)	Basis of evaluation	Accreditation status	Period of validity	Remark
(1)	(2)	(3)	(4)	(5)	(6)
1.	Civil Engineering Department	Tier I	Accredited	2019 -22	Accreditation status granted is valid for the period mentioned in column 5
2.	Electrical Engineering Department		Accredited	2019-22	

Target for Remaining Under Graduate Courses:

S.NO	Departments	Pre-qualifier Submission	SAR Submission	visit
1	Mechanical Engineering department	September 2019	October 2019	November/December 2019
2	Electronics & Telecommunication Engineering	After two years of new recruitment of faculty		
3	Computer Science & Engineering	Average SFR for three years must be less than 25		

Accreditation Status



Minimum 45 Days Industrial Training:

During the even semester break students undergo summer internship and Vocational training at various industries. By the end of III year every student has got a minimum 45 days of industry exposure in his area of expertise.

Employability Tests:

JEC conducts frequent employability and assessment tests at college to prepare students for campus placement.

Sessions by Industry Experts:

Various companies visit the college all round the year for interaction session with the students and guide them with latest trends and technologies. Students have beforehand knowledge about the industry needs

High End Laboratories:

The departments are equipped with high end lab facilities High Voltage Lab of Electrical department has been awarded as Centre of Excellence by the Indian Government and is one of its kind in India. Labs at Civil and Mechanical Department are used by Govt. for various testing purposes. Computer Science department has over 350 computers with 100 Mbps internet facility.

Alumni Interaction Meets;

Being one of the oldest college in Central India we have a strong alumni base. Our alumni from all round the globe come and conduct Workshops and Seminars various topics and also share their experiences with the students.

Departments	AREA	FACULTY				SUPPORTING STAFF				INTAKE B.TECH-510; M.E-50; MCA 60	
		Sanctioned		Existing Prof/Assoc/Ass. Prof : Regular & Contractual		Technical		Ministrial		Regular	Part time Degree Course(PTDC)
Civil Engineering	4889	34		23		28		05		60	20
Mechanical Engg	8655	26	31	16		32	34	03	04	80	20
Industrial Production		05		3		02		01		80	
Electrical Engineering	5865	28		19		19		05		60	20
Electronics & Telecommunication	4644	19		12		14		05		90	10
Comp Sc.& Engg	4330	11	25	7		05	09	02	04	90	
Information Technology		05		5		02		01		90	
MCA		09		2		02		01		60	
Applied Physics	963	17		13		03		03		M.Sc.15	-
Applied Chemistry	1438	15		14		06		04		M.Sc 15	-
Applied Mathematics	1611	16		10		-		01		M.Sc. -15	
Humanities	-	02		02		-		-		-	-
Workshop	3911	05				26		08		-	-
Training & placement	70	01		01		02		02		-	-
Library	1300					11		02		-	-
Hostels (9)	13000			17 Wardens		01		35		900	-
Trans& warer Supply	-	-		-		01		15			-
Special cell SC/ST	-	-		-		01		15			-
Security	-	-				01		56		-	-
Women griev. Cell	-	-		02				01			
Sanction Strength		193		124							

Administrative Hierarchy

An overview :

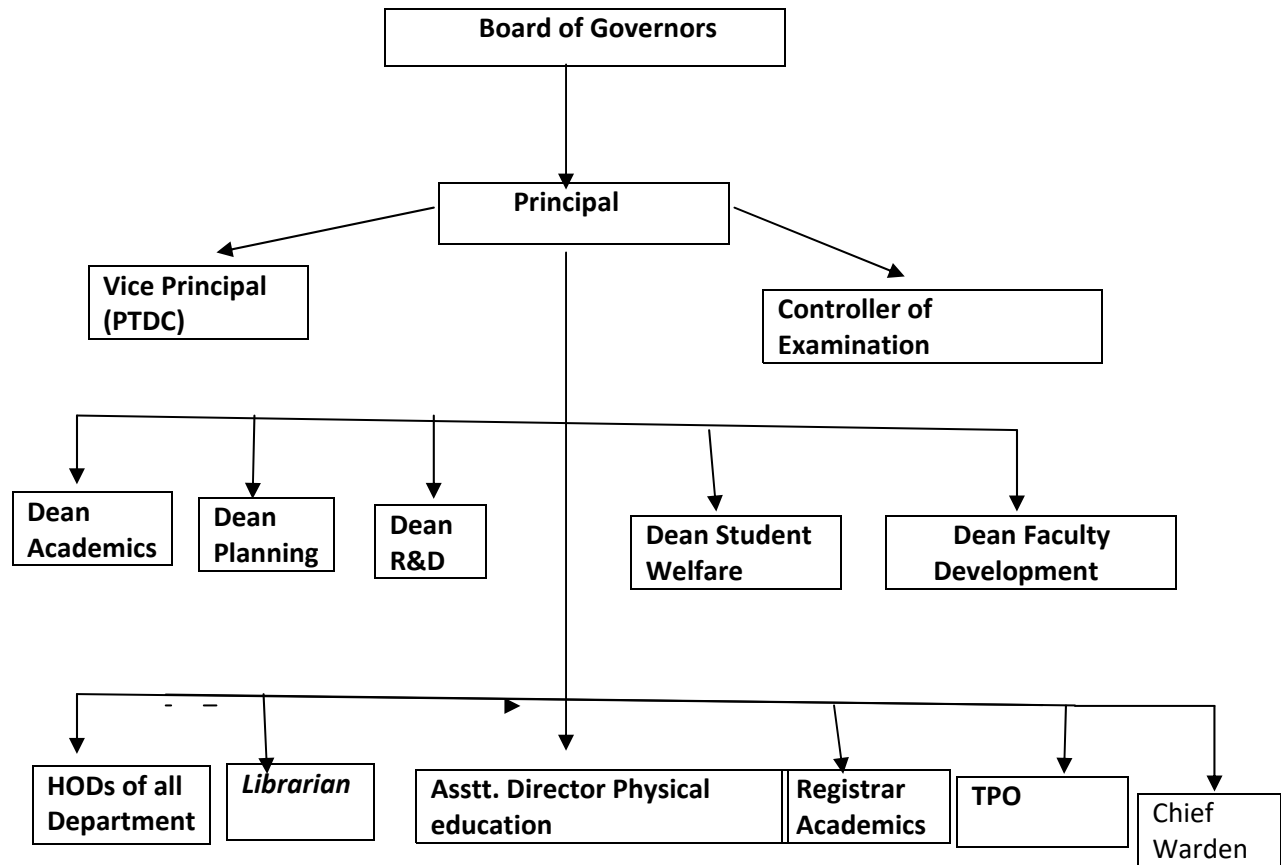
- The Board of Governors constituted by the government of India is the highest body that approves and permits all major decisions of the institute.
- The Finance Committee and the Building Work Committee looks after the finance and construction under the directives of the BOG of the institute.
- The principal is assisted by Deans Committee whenever important decisions are to be taken.
- He is assisted by five deans namely Dean (Research & Consultancy), Dean (Academics), Dean (Faculty Development), Dean (Planning & Development) & Dean (Student Welfare)
- The Head of the Department looks after all the affairs pertaining to the Department.
- The Registrar is the head of the non teaching staff of the institute
- The Chief Warden is the head of all the students' hostels.He is assisted by a team of wardens
- Other Committees like Purchase Committee, Library Committee, Sports Committee etc. also assist the principal in the smooth functioning of the institute.

Board of Governance:

A Board of Governors has been constituted and it comprises of Minister of Technical Education, Principal Secretary, Director, Academicians of reputed institutes , leading industrialists, technocrats, representatives from the university etc. who evaluate the strength and weakness of the college for corrective measures and are empowered to suggest reforms for the betterment of the college.

1	Honorable Minister Technical Education	Chairman
2	Principal Secretary/Secretary(Technical Education& Skill Development Department	Member
3	Nominated Educationalist or Industrialist or Businessmen by State Government	Member
4	Director, Technical Education	Member
5	Two Faculty Members Nominated by the Principal	Member
6	(Nominated by Principal) Based on seniority of two years one educationalist or Industrialist	Member
7	Representative nominated by AICTE	Member
8	Senior Prof. of ST/SC from the concerned institute	Member
9	Representative nominated by RGPV	Member
10	Principal Engineering College, Jabalpur	Member

Organizational Set-up:



Department- Courses offered –Intake

Presently, this college offers B. Tech Degree Course in seven disciplines and two Post Graduate Courses in various engineering fields, Four Postgraduate courses in Applied sciences and MCA.

For the in-service personnel's holding Diploma in Engineering, Part Time degree Courses of four year duration are running at night since 1966. PTDC courses strive to impart higher education to desirous, deserving and working diploma holders for improving their professional and career prospects. The institute also offers Ph.D programmes in Engineering and Applied Sciences:

B.Tech First Semester Courses

S.No	Under Graduate Courses (B.Tech)	Intake
1	Civil Engineering	60
2	Electrical Engineering	60
3	Mechanical Engineering	80
4	Electronics & Tele Communication Engineering	90
5	Computer Science & Engineering	90
6	Information Technology	90
7	Industrial Production Engineering.	90
	Total	

Part Time Degree Courses (PTDC)

S. No	Part Time Degree Courses (PTDC)	Intake
1	Civil Engineering	20
2	Mechanical Engineering	20
3	Electrical Engineering	20
4	Electronic & Communication Engineering	10

B.Tech First to Seventh Semesters (2018-19)

Under graduate courses(B.Tech)	Approved Intake (including Lateral entry)			
	B.Tech First Year	B. Tech Third year	B.Tech Fifth year	B.Tech Seventh Year
Civil Engineering	64	73	64	71
Electrical Engineering	63	74	74	69
Mechanical Engineering	84	96	95	95
Electronics & Telecommunication Engg.	95	102	102	105
Industrial & Production Engg.	93	80	80	71
Computer Science & Engg.	96	113	113	105
Information Technology	94	99	99	104

M.Tech/ M.Sc/MCA (2018-19)

M Tech	Specialization	Approved intake	
		M.Tech First Sem	M.Tech Third Sem
Civil Engg.	Environmental Engineering	18	16
	Geo- Tech Engineering	18	13
	Structural Engineering	18	12
Electrical Engg.	High Voltage Engineering	18	16
	High Voltage & Power System Engineering	18	11
	Control System Engineering	18	17
Mechanical Engg.	Machine Design	1817	
	Heat Power Engineering	1811	
Electronics & Comm.	Microwave Engineering	1514	
	Communication Engineering	1815	

Master of Applied Sciences		
M.Sc.	Applied Chemistry	15
	Applied Physics	15
	Applied Mathematics	15
MCA	Master of Computer Application	60
Ph. D	Doctor of Philosophy	-

B.Tech First Sem(2018-19):

	UR			SC			ST			OBC			TOTAL
	F	M	T	F	M	T	F	M	T	F	M	T	
Civil Engineering	7	16	23	2	7	9	3	9	12	4	16	20	64
Computer Engineering	11	39	50	4	9	13	8	10	18	5	10	15	96
E&Tc Engineering	15	33	48	3	16	19	3	9	12	4	12	16	95
Electrical Engineering	9	21	30	2	8	10	3	7	10	3	10	13	63
IndustriOn Production	7	25	32	9	13	22	0	8	8	11	20	31	93
Information Techonology	10	36	46	4	16	20	4	6	10	4	14	18	94
Mechanical Engineering	9	29	38	3	9	12	3	12	15	3	16	19	84
Total	68	199	267	27	78	105	24	61	85	34	98	132	589

B.Tech Third Semester (2018-19)

	UR			SC			ST			OBC			TOTAL
	F	M	T	F	M	T	F	M	T	F	M	T	
Civil Engineering	6	20	26	5	8	13	5	8	13	3	18	21	73
Computer Engineering	16	29	45	9	9	18	8	14	22	9	19	28	113
E&Tc Engineering	14	29	43	5	12	17	9	8	17	8	17	25	102
Electrical Engineering	9	22	31	4	8	12	2	11	13	5	13	18	74
IndustriOn Production	8	27	35	2	10	12	2	9	11	8	14	22	80
Information Techonology	14	36	50	3	11	14	4	8	12	10	13	23	99
Mechanical Engineering	10	32	42	3	11	14	5	13	18	5	17	22	96
Total	77	195	272	31	68	100	35	71	106	48	111	159	637

B.Tech Fifth Semester (2018-19):

	UR			SC			ST			OBC			TOTAL
	F	M	T	F	M	T	F	M	T	F	M	T	
Civil Engineering	6	20	26	5	8	13	5	8	13	3	9	12	64
Computer Engineering	16	29	45	9	9	18	8	14	22	9	19	28	113
E&Tc Engineering	14	29	43	5	12	17	9	8	17	8	17	25	102
Electrical Engineering	9	22	31	4	8	12	2	11	13	5	13	18	74
IndustriOn Production	8	27	35	2	10	12	2	9	11	8	14	22	80
Information Techonology	14	36	50	3	11	14	4	8	12	10	13	23	99
Mechanical Engineering	10	32	42	3	10	13	5	13	18	5	17	22	95
Total	77	195	272	31	68	99	35	71	106	48	102	159	637

B.Tech Seventh Semester (2018-19):

	UR			SC			ST			OBC			TOTAL
	F	M	T	F	M	T	F	M	T	F	M	T	
Civil Engineering	11	22	33	3	6	9	7	5	12	5	12	17	71
Computer Engineering	22	41	63	5	9	14	9	4	13	6	9	15	105
E&Tc Engineering	25	35	60	6	7	13	7	8	15	5	12	17	105
Electrical Engineering	9	26	35	2	8	10	4	6	10	5	9	14	69
IndustriOn Production	3	31	34	1	9	10	1	11	12	4	11	15	71
Information Techonology	18	37	55	9	5	14	8	8	16	8	11	19	104
Mechanical Engineering	10	35	45	4	9	13	6	13	19	3	15	18	95
Total	98	227	325	30	53	83	42	55	97	36	79	115	620

M.Tech First Semester (2018-19):

Name of PG course	OBC			SC			ST			UR			Total
	F	M	T	F	M	T	F	M	T	F	M	T	
Civil Env. Engineering	0	4	4	1	4	5	0	0	0	0	9	9	18
Civil Geo Tech Engg.	2	6	8	0	3	3	0	0	0	0	7	7	18
Civil Struct Engg	0	7	7	1	3	4	0	1	1	1	5	6	18
Mechanical Heat power Engg	1	6	7	0	1	1	0	1	1	0	9	9	18
Mechanical Machine Design	0	6	6	0	2	2	0	1	1	0	9	9	18
Electrical Control SysEngg.	2	4	6	0	1	1	0	0	0	3	8	11	18
Electrical HV&P Engg	1	2	3	1	5	6	0	0	0	2	7	9	18
Electrical High Vol. Engg	1	5	6	1	1	2	0	0	0	7	3	10	18
Electronics Comm. System Engineering	5	0	5	0	0	0	0	0	0	10	3	13	18
Electronics Microwave Engineering	4	2	6	1	1	2	0	0	0	5	2	7	15
Total	16	42	58	5	21	26	0	3	3	28	62	90	177

M.Tech Fifth Semester (20189-19) :

Name of PG course	OBC			SC			ST			UR			Total
	F	M	T	F	M	T	F	M	T	F	M	T	
Civil Env. Engineering	0	2	2	2	3	5	0	0	0	1	8	9	
Civil Geo Tech Engg.	0	1	1	0	2	2	1	0	1	0	9	9	13
Civil Struct Engg.	0	4	4	0	2	2	1	0	1	0	5	5	12
Mechanical Heat power Engg	0	6	6	0	3	3	0	2	2	0	5	5	16
Mechanical Machine Design	0	4	4	0	4	4	1	1	2	2	5	7	17
Electrical Control Sys.Engg	2	3	5	0	3	3	0	0	0	3	6	9	17
Electrical HV&PS Engg.	0	3	3	0	3	1	2	0	2	1	4	5	11
Electrical HV Engg	3	3	6	0	1	1	2	0	2	1	7	8	17
Electronics Comm. Sys Engg.	3	1	4	0	0	0	1	0	1	5	5	10	15
Electronics Microwave Engg	1	2	3	1	1	2	0	0	0	6	3	9	14
Total	9	29	38	3	22	25	6	3	9	19	57	76	148

Academic Calendar (Session 18-19, Odd Semester)

S. No.	Particulars	B.E(PTDC) B.TECH III,V, VII MCA III/V, ME III & M.Sc. III	B.TECH I, MCA I, M.E I, & M.Scl
1	Duration of Semester	July-December-2018	August-December 2018
2	Registration of Student Portal	02/07/18 to 12/07/18	August to December
3	Submission of Admission Renewal Fee without late fee	02/07/18 to 12/07/18
4	Submission of Admission Renewal Fee with late fee	13/07/18 to 17/07/18
5	Commencement of Classes	02/07/18	26/07/18
6	First Review of Attendance & Internal Assessment	31/07/18 to 01/08/18	30/8/18 to 31/1/18
7	Mid Semester Test	02/08/18 to 04/8/18	06/09/18 to 08/09/18
8	Second Review of Attendance & Internal Assessment	31/08/18 to 01/9/18	01/10/18 to 03/10/18
9	Mid Semester Test II	06/09/18 to 08/09/28	01/10/18 to 06/10/18
10	Final Review of Attendance & Internal assessment	01/10/18 to 3/10/18	22/11/18 to 23/11/18
11	Remedial Classes	04/10/18 to 13/10/18	25/10/18 to 03/11/18
12	Exam Form forwarding by Head of the Department	04/10/18 to 10/10/18	25/10/18 to 31/10/18
13	Submission of Exam Form without Late Fee	04/10/18 to 10/10/18	25/10/18 to 31/10/18
14	Submission of Exam Form with Late Fee	11/10/18 to 13/10/18	01/11/18 to 03/11/18
15	End of teaching	13/10/18	03/11/18
16	Preparation Leave	14/10/18 to 22/10/18	4/11/18 to 12/11/18
17	Dashahara Vacations	15/10/18 to 20/10/18	15/10/18 to 20/10/18
18	Commencement of End Semester Examination	23/10/18	13/11/18
19	Diwali vacations	05/11/18 to 10/11/18	05/11/18 to 10/11/18
20	End Semester Break for Students	After the Completion of Respective Examination to 16/12/18	After the Completion of Respective Examination to 31/12/18
21	Even Semester Registration begins	17/12/18	01/01/19
22	Commencement of Even Semester Classes	17/12/18	01/01/19

Principal

Academic Calendar (Session 2018-19, Even Semester)

S. No	Particulars	B.E (PTDC) B.Tech IV, VI, VIII ME,/ M.Sc IV Sem&MCA IV/VI	B.Tech II Semester, MCA/ME/M.Sc II Sem.
1	Duration of Semester	December to 18 to May 2019	December 2018 to May 2019
2	Commencement of classes	10/12/18	21/12/18
3	Registration of Student Portal	10/12/18 to 17/12/18	21/12/18 to 29/12/18
4	Submission of Admission Renewal fee without late fee	10/12/18 to 17/12/18	21/12/18 to 29/12/18
5	Submission of Admission Renewal Fee with late fee	18/12/18 to 22/12/18	31/01/18 to 04/01/18
6	First Review of Attendance & Internal Assessment	30/01/19 to 31/01/19	30/01/19 to 31/01/19
7	Mid Semester Test first	01/02/19 to 04/02/19	01/02/19 to 04/02/19
8	Cultural/Sports/Techno management	18/02/19 to 23/02/19	18/02/19 to 23/02/19
9	Second Review of Attendance & Internal Assessment	27/02/19 to 28/2/19	27/02/19 to 28/2/19
10	Mid Semester Test II	01/03/19 to 05/03/19	01/03/19 to 05/03/19
11	Final Review of Attendance & Internal assessment	06/03/19 to 07/03/19	19/03/19 to 20/03/19
12	Remedial Classes	06/03/19 to 16/13/19	20/3/19 to 30/03/10
13	Exam Form forwarding by Head of the Department	12/03/19 to 16/03/19	19/03/19 to 23/03/10
14	Submission of Exam Form without Late Fee	12/03/19 to 16/03/19	19/03/19 to 23/03/10
15	Submission of Exam Form with Late Fee	18 /03/19 to 20/03/19	25/03/19 to 27/03/19
16	End of teaching	16/03/19	30/3/19
17	Preparation Leave	17/03/19 to 24/03/19	31/03/19 to 07/04/19
18	Commencement of End Semester Examination	25/03/19	08/04/19
19	Summer Vacations/ Industrial training	23/05/19 to 30/06/19	23/05/19 to 30/06/19
20	Odd Semester Registration begins	01/01/19	01/01/19
21	Commencement of odd Semester Classes	01/01/19	01/01/19

Academic Facilities of the College

Laboratory Facilities :

In consonance with the fast emerging technologies all the departments of this institution Have been provided with modern and well equipped laboratories with the latest equipments installed to meet both present and future needs. In the last decade computer has become indispensable. As such, besides having a Centralized Computer Lab, Every department of this college has its computer lab to assist the students to enhance their knowledge in computer applications and training in computer programming at all levels and also to assist them in pursuing their research work. With the assistance of the financial aid provided by the Central Govt. the institution has secured several modern equipments for its laboratories to accommodate efficiently the changing scenario. This has given momentum to research work and has also prevented the research scholars from the ordeal of joining other National Institutions for their higher studies

The following table gives a **glimpse of various Departmental Laboratories** available in the college to give practical insight to the students studying in different engineering disciplines :

S.No.	Civil Engg.	Electrical Engg.	Mechanical Engg.	E&Tc Engg.	Comp. Sc & Engg.	Information Tech.	Industrial Prod. Engg.
1	Geo Tech	Electrical Machine	Auto	Analog and Digital Comp.	Computer Network		
2	Structural Engg.	Instrumentation Lab & Power System	ICE	Digital Circuits	Computer Architecture		
3	Engg. Mechanics	Measurement	FM & Heat Transformer	Antenna	Data Struct. Comp.		
4	Concrete	Basic Electrical Engg. Lab.	Heat Engine	Microwave	R.D.B.M.S		
5	Environmental	Power Electronics & Network	Refrigeration& AC Lab	Instrumentation& Measurement	Latest Software Packages		
6	Survey	High Voltage Engg.	Material testing	Television	Digital Circuit		
7	Computer	Electrical Insulation	Dyn .of M/C	Computer Lab	Computer Programming		
8	Geology and Remote Sensing	Illumination/Control/ Microprocessor	Production	Advanced Electronics	Operating System		
9	Transportation	Computer lab	Energy Conservation	Microprocessor			
10	Fluid Mechanic Lab	Power System (electrical Workshop)	Measurement Lab	Control System			
11			Boiler House	V.L.S.I			

Central Workshop :

There is a Central Workshop where the students are given primary training to hone their skills under the expertise of experienced teachers. To increase the practical efficiency of the students the Central Workshop has been provided modern CNC machines. In the central workshop the students.

Library :

To enrich the mental horizon of the students and to encourage them in their academic pursuits , the college has departmental as well as **Central Digital Library**, which is rich and comprehensive. (The software used for library automation is **Alice for Window**). It comprises of a large number of books, journals and periodicals. Under the **Book Bank Scheme** the college has made provision to provide books to the students belonging to the weaker section of the society, especially to the students belonging to ST/SC category. There are about 5000 journals so that the students can keep pace with the new developments and up-date their knowledge.

The library executes all its activities under the overall administrative control of the Prof.-in-charge(Library). There is a library committee which helps it to carry out its functions including acquisition, technical processing & circulation. The library has a dedicated team & staff who are professionally qualified & competent to provide **computerized documentation** services.

Details of Resources Available in the Library:

Highlights:

- Library is equipped with 30 computers
- Library services are computerized and automated. Books are issued/returned on the bar coded ID card
- Library is equipped with CD-DVD Mirror services(Techfocuz)
- Library has spacious reading facility in a large ventilated hall with a sitting capacity of 100 students at a time.
- It has a collection of volumes of reference books textbooks, project reports, seminar proceedings and non-books formats like CDROMS.
- The UG students are permitted to borrow 3 books at a time while PG students are issued 5 books.
- The institute also has the membership of **National Digital Library** of India

Resources:

Library has a total of one lac ten thousand volumes of books, encyclopedias, handbooks, dictionaries, project reports, bound volumes of periodicals, **30000** CDs, subscription of technical journals (print & online).

E-Books

TMH, Pearsons online 2015-16, online journal IEEE, INDEST

Equipments:			Resources& infrastructure::	
s.No.	Name of the item	Total no.	Details of resources	resources
1	Desktop Computer	30	Carpet Area	384sqm
2	Server	2	Reading space	140sqm
3	Scanners& Printer	8	No. of library staff	09
4	Data Capturing	1	Number of e-journals	09
5	LCD projector	1	Number of Volumes in General library	56000
6	UPS (KVG,3 Kvs)	5	Number of volumes in Book Bank Library	13256

Learning Resources:

- Learning resources of IIT, Kanpur
- ISTE learning material
- Learning Resources of National Education & Information Films Ltd. Mumbai.
- Journal of Mathematical Problems in Engineering (Free Access)
- Journal of Engineering Science and Technology Review (free Access)
- Procedia Engineering- Core engineering disciplines, such as aerospace, Chemical, Civil, Mechanical, and Structural engineering (Free Access)
- Shodh Gangotri: Repository of Indian Research in Progress details (M.Tech thesis and PhD. Thesis of all branches and Science
- Pearson On line books Library

Pedagogical Initiatives:

- Interactive Classroom:
- Students learnt with the help of power point presentation, videos, animation etc. This helped the students to understand more clearly the concepts and mechanisms of particular topic so that they may apply their knowledge in real life civil engineering problems.
- E-Tutorials
- Topics were explained to students with E-Content like contents collected from You Tube, NEPTEL and useful search etc.
- Term Projects /Assignments:
- During the semester the students are divided into small groups and assigned with term projects which has to be submitted within specified

Sports Facilities :

The department of Physical Education provides training facilities for all the students. It has got infrastructure facilities for both outdoor and indoor games 7 sports. The outdoor games include volley ball, foot ball, cricket, etc. Indoor games include chess, carom, table tennis, badminton etc.

- Organizing intramural & extramural competition and preparing the students for the same
- Encouraging students participation in inter- collegiate and inter- university open tournaments in the country
- Organizing sports tournaments at campus for students
- Providing an opportunity to talented sports men & women to participate in sports competitions regularly

Sports Facilities	Facilities	Total Area Available	Capacity/No.
Athletic Field	Athletic track	400 M	1 No.
Cricket Field	Cricket	68.5 Boundary	1 No.
Football field	Football	110x80 M	1 No.
Hockey field	Hockey	91.4x 55 M	1 No.
Volley Ball Court	Available	18 x9 M	1 No.
Basket Ball Court	Available	28x15 M	1 No.
Badminton Court	Available	13.4x6.10M	1 No.
Tennis Court	Available	23.77 X 8.23 M	1 No.

Others	Table Tennis Carom Boards Are provided in all the hostels	- -	4 No. 9
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Hostel /Guest House/Post Office/Bank

Hostel :

The college campus has separate hostel for boys and girls. Each room of the hostel is adequately furnished. The hostel provides safe drinking water, healthy food and hygienic surroundings to the students. Each hostel has one cook and two helpers in the kitchen.

Hostel Admission

Admission to the Hostel is subject to admission to the institution and availability of accommodation. Admission to the hostel is made on first come-forst served basis. Application for hostel accommodation

Infrastructure

Description of Buildings	Total Area (Sq. m)	Description of Buildings	Total Area (sq.m)
Civil Engineering	4889	Auditorium	9300
Electrical Engineering	5865	Girls Hostel (03) (210 seats)	3000
E&Tc. Engineering	4848	Common room for girls	400
CSE/IT/MCA	4330	Boys Hostels (9) (800 seats)	40000
Mechanical Engineering	5865	Canteen (Amrai)	150
Applied Physics	1356	NCC & NSS office	200
Applied Chemistry	1438.5	Security Office	100
Applied Mathematics	1611	Dispensary	200
Workshop	1500	Open Air Theatre/Auditorium	Large open space for 3000 person
Administrative Block	3000	Conference rooms	07 (nos)
Faculty Quarters	36(no.)	Post Office	50
Staff Quarters	100 (no.)	State Bank of India	150

Overall Improvement



**Improved Ambience of
Electrical Engineering
Dept.**



**Improved Ambience
of Civil Engineering
Dept.**

21

Overall Improvement

INFRASTRUCTURE

Academic buildings have been renovated.



Before



After

JEC, Jabalpur

19

Overall Improvement

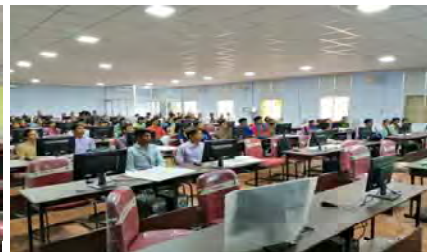
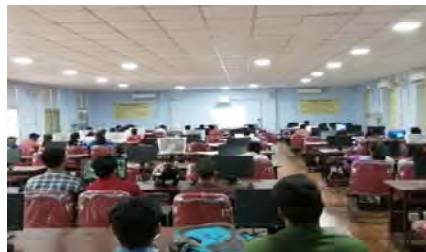
Central Computing facility has been developed with 50 computers.



JEC, Jabalpur

22

Lab Developed Under TEQIP-III Project



Online Presentation of B.Tech Projects



Expert Lecture

4

Overall Improvement

INFRASTRUCTURE

Smart Class Rooms have been developed.



JEC, Jabalpur

21

Training & Placement (2018-19)

Training & Placement cell was established in 1970. It develops a close liaison with a number of industries so that the graduates of this institute get respectable jobs. The institute has now started employability tests & **Employability Training** which encompasses three main activities: Training, Placement & Development:

- Training :
Keeping in view the current trends & technologies being used by the industry, the training curriculum is designed for preparing the students for employment.
- Education :
Appropriate skills for the job profiles are acquired by the students during the classroom sessions
- Development;
This activity focuses upon the personality development to make the students reliable, with positive attitude and right decision making

Campus Placement(2018-19):

S. No.	Name of the Branch	No. of students selected	Companies that Visited the College
1	Computer Sc. & Engineering	79	Infosys
2	Information Technology	57	Wipro
3	Electronics & Telecommunication Engineering	44	Zensar
4	Civil Engineering	05	IBM
5	Mechanical Engineering	23	Reliance
6	Electrical Engineering	06	Petrotec
7	Industrial & Production Engineering	11	Persistent

Start-up and Entrepreneurship Development Cell

This Cell is functioning in the institute with the intention of nurturing **entrepreneurship skills** of the student. The cell provides platform to the students to pursue entrepreneurial activities. This cell consists of coordinators and seven faculty members and 15 students from all the departments of the institute. The activities conducted by this cell are listed below;

	Name of faculty	Title of programme	Duration
1	Prof. R.K Grover, Coordinator Start-up Cell	Start-up Activities & Preparation of Action Plan	8-9 January, 2018
2	Prof. R.K Grover, Coordinator Start-up Cell	'Professional Development Training' under TEQIP	12-17 February, 2018
3	Dr. Mahima Thakur Dr. Shailza Verma	'Faculty Development Program' under DST- NIMAT project organized by CEDMAP	10- 22 July, 2017
4	Dr. Mahima Thakur Dr. Bhavana Sing	'Startup India Madhya Pradesh Yatra Boot Camp', organized by JNKVV, Jabalpur	21 July, 2018

The following Training Programs were organized by Start-up and Entrepreneurship Development Cell

S.No	Name of the program	Place	Remark
1	Entrepreneurship Awareness Camp	JEC, Jabalpur	Around 80 students participated in the programme. Experts from industries and CEDMAP shared important information with the students. They talked about the opportunities and challenges in their respective fields
2	Entrepreneurship & Startup Awareness program	Jec, Jabalpur	Around 50 students . in the program. bank officials and Experts from CEDMAP and AKVN provided the information about recent government policies and schemes for young entrepreneur and start-ups
3	Online test General Enterprising Test (GETT)	Jec, jabalpur	About 200 students participated in this online test. About students were sorted out for rigorous training of entrepreneurship

Students / Teachers participation in Academic Activity (Under TEQIP III) 2018-19:

S. NO	Name of the Program	No. of Program	Students Participation	Teachers Participation
1	Induction Program	2	1109	242
2	Expert lectures	8	515	81
3	Workshops	6	390	124
4	National Seminars	1	180	42
5	STTP	4	350	201
6	NBA Accreditation Training	2	0	149
	Total	23	2544	839



Students/ Teachers Participation in Academic Activity Outside The College(Under TEQIP III) 2018-19:

S. No	Programme	No.of Programs	Students Participation	Teachers Participation
1	Workshop	9	15	8
2	National Conference	3	0	6
3	International conference	10	6	5
4	FDP	8	29	7
5	STTP	10	30	10
6	PDT	4	0	4
7	National Seminar	2	0	2
8	Pedagogy Activity	2	0	81
9	Industrial Visit	9	465	0

10	Twinning Activity	2	0	4
11	Project Development	1	16	-
12	Convention	1	0	1
13	Induction Training	4	0	8
14	Internship	3	3	0
15	Techfest	1	25	0
16	Go-Kart Championship	1	19	0
17	Graduates Employability	3	3	0
18	Research & Development	1	5	0
	Total Participation		616	136

TEACHERS BENEFITED IN ACADEMIC ACTIVITY OUTSIDE JEC



Overall Improvement

ACADEMICS

- 520 Students appeared in the GATE 2019 out of 560. Considerable enhancement in numbers.
- FDP Programmes have been organized and attended by our faculty members.



Our Faculty at IIT Indore

Students' Performance in GATE2018-19:

The institute has created systems & structures to facilitate the aspiring students and excel in GATE and similar competitive Examinations :

Branch	Total No. of students appeared	Male	Fe-Male	General	SC	ST	OBC	Total No. of Students Qualified	Male	Fe-Male	SC	ST	OBC	General
Civil Engineering	61	36	25	27	9	9	16	21	16	5	1	0	8	12
Mechanical Engineering	72	57	15	27	9	12	14	26	25	1	0	2	6	18
Electrical Engineering	49	34	15	22	8	8	11	14	12	2	1	1	3	9
Computer Science Engineering	56	32	24	28	10	6	12	15	12	3	1	0	4	10
Electronics & Telecommunication Engg.	89	51	38	53	12	9	15	21	13	8	2	1	4	14
Industrial Production Engineering	58	44	6	24	7	8	11	10	8	2	0	0	1	9
Information Technology Engineering	58	54	34	50	11	8	19	26	21	5	1	0	5	20

Besides this some of the students maintained the reputation of their alma-mater by coming out in flying colours in some of the important competitive examination.

- Eight students scored 90 + percentile in CAT 2018
- Six students scored 200 + in NMAT 2018

- Students have also performed well in MPPSC, UPSC and various government Exams (Miss Sampada Saraf of Electronics & Tele-communication Department was a topper in MPPSC 2017
- Large no. of students are placed in Multinational Companies(MNCs), Government offices, and pursuing Post Graduation in different National Institutes like IIT/NIT etc.

Faculty Centric Policies

S. No	Professor	Associate Professor	Assistant Professor		Total
			Regular	Contractual	
1	2	8	5	8	23
2	3	2	5	6	16
3	5	1	7	6	19
4	2	0	7	3	12
5	0	0	6	1	7
6	0	0	4	1	5
7	0	1	2	0	3
8	2	0	4	7	13
9	3	0	4	7	14
10	2	0	5	3	10
11	2	0	0	0	2
	21	13	47	42	123

- Faculty is appointed by State Government as per AICTE norms.
- During the last three year 10 appointments were made under Autonomous Scheme and 44 under TEQIP III.
- AICTE pay scale is given to all the faculty members
- AICTE career advancement scheme is implemented for faculty promotion
- The following Promotions were made under CAS Scheme :
- Associate professor to Professors-09
- Assistant Professor (Stage to Stage II)-42
- Assistant Professor (Stage II to Stage III) -32
- Financial Assistance is provided to faculty members to faculty members for paper presentation in international conference, once in every three years
- Financial assistance is also provided to faculty members for paper presentation in three national conference in a year.
- Various faculty development/ training activities/STTPs are conducted for faculty
- The institute provides opportunity to faculty members for higher studies under Quality Improvement Programme (QIP) . At present 15 faculty members have been sponsored under this sc

Student Centric Policies & Utilization

A scholarship is money awarded to a student to help finance college education. It is also given to students as a recognition and honor for achieving heights. Scholarships mentioned below are awarded to the students by the govt. of india and M.P Govt. every year.

The details of all kinds of scholarship along with last date of submitting applications is displayed on the notice board.

	Name of the scholarship	Sanctioning Authority	Eligibility
1	SC/ ST Scholarship	M.P State Govt.	Only those students are eligible who belong to ST/SC category of M.P
2	National Scholarship	Govt. of India	in order of merit based on XII standard Examination
3	Medhavi Chhatra Yojna	M.P State Govt.	This scholarship is given to students who have scored
4	Handicapped Scholarship	Ministry of Social Justice & Empowerment Govt. of India	(More than 40% disability of any student)
5	ME/GATE Scholarship	AICTE, Delhi	This scholarship is given to those PG scholars who seek admission after qualifying GATE
6	Green Card Scheme	Family Planning & Health Department of M.P State Govt.	The parents of the student should be Green card Holders & Below the poverty line
7	TFW Scheme	M.P State Govt.	Under this scheme only tuition fee is waived and only domicile of MP are allowed to apply. Only those students are eligible whose parents income is less than 8.00 lakh from all sources.

Curriculum Development & Examination System

The college follows Choice Based CREDIT system(CBCS) of teaching and evaluation. The present curriculum of JEC is based on AICTE modern curriculum w.e.f July 2018:

Curriculum Design & Development:

- In the year 2018 a complete **transformation in scheme & syllabus** was done by the Academic Council of Jec due to implementation of AICTE model curriculum scheme and syllabi.
- Curriculum has been revised as per the needs of the society and industries
- Curriculum is more focused on **employability and skill development**
- **Start-up and Entrepreneurship** courses are included
- Academic council ensured **the mapping of the courses and program outcomes** before giving its final approval
- Every course is **embedded with outcome based syllabi**
- Interdisciplinary courses and subjects are also included in the curriculum.
- Internship program is incorporated after first and second year in all branches and these programs are evaluated by the external Examiners in the next year of examination
- Compulsory industrial visit and summer training are the part and parcel of the curriculum

- **Effective mentoring program** is conducted by the faculty to assist the students in choosing electives and online courses by the students.

Examination & Evaluation System:

- The academic year is divided into two semesters: Odd And Even semesters.
- Attendance in all classes (lectures, tutorials, laboratories, workshops) is compulsory.
- The student may be debarred from appearing at an examination on grounds of unsatisfactory attendance.
- Question papers are mapped with course Outcome(Cos) which in turn results in attainment of Program Outcomes(POs)
- Bloom Taxonomy is used while setting the question papers
- The question papers of end semester
- Minimum two mid-term tests of 20 marks (10 marks each) are conducted in each semester as per the academic calendar
- Weightage of marks in each examination is shown in the table below:

S. No.	Examination name	Weightage (Total Marks =100)
1	End Semester Exam	70%
2	Mid Semester Exam	20%
3	Teaching assessment	10%

S.No	Course Name	Appeared	Pass	Percentage
1	Civil Engineering	76	62	81.58%
2	Computer Science Engineering	108	104	96.30%
3	Electronics & Tele Communication engineering	108	102	94.44%
4	Electrical engineering	68	62	91.18%
5	Industrial and Production Engineering	85	83	97.65%
6	Information Technology	102	99	97.06%
7	Mechanical Engineering	97	91	83.81%
College wise %		644	603	93.63%
Overall %		644	603	93.63%

Financial Resources

Income from fee,testing and consultancy and miscll.heads	Government	Grants	Other Sources TEQIP (specific)	Income for first installment of TEQIP-1 Loan	Total Income
11.48 crores	18.29 crores	6.37 crores	1.19 crores	89.97crores	38.25 crores

Expenditure:

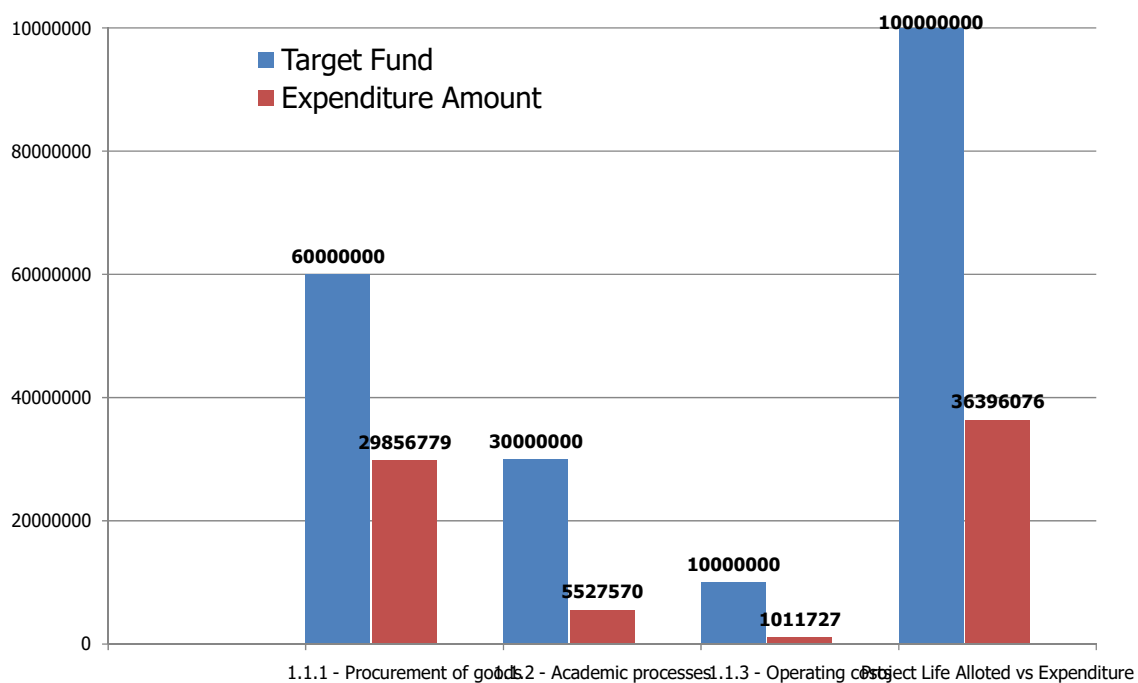
Recurring Including Salaries	Non- Recurring	Special projects/any other, Specify	Payment of first installment of TEQIP-I Loan	Total Expenses	Expenditure per student
31.92		1.19 crores	89.97 lacs	34.02 crores	1.11 lacs

FINACIAL STATUS OF PROJECT SINCE INCEPTION TO TILL DATE

❖ **PLA 10 Crores,**

❖ **Expenditure 3,63,960,76**

❖ **Balance Fund 6,36,039,24**



Department Profile

Department of Civil Engineering

Vision:

To be a front runner in the field of civil engineering by providing academic excellence, satisfying global needs and enhancing quality of life.

Mission:

- To produce specialized cadre of civil engineers by imparting quality education and training.
- To attain international standards in teaching, research and consultancy services with world-wide linkages.
- To produce innovative thinkers having a sense of delegation of responsibility for solving complex civil engineering problems.
- To inculcate credibility, ethics, self-confidence and human understanding abilities for all-round development

Civil Engineering department is one of the pioneering departments in the entire region of Madhya Pradesh. It stands elegantly in the of the college, stretching over an area of 4899 sq.m surrounded by various departments and the administrative block. Apart from imparting education to UG & PG students, the faculty of the department has also contributed significantly in providing testing and consultancy services to local industries and state government departments. The undergraduate programmes of the department have been **accredited by the national board of Accreditation (NBA) under Tier-I category of AICTE, New Delhi, for 3 years, i.e upto 2022**

Courses offered:

B.E/B.Tech. in civil engineering: Total intake in UG programme of civil engineering is 60. From 2014 onwards, admissions are carried out on the basis of Joint Entrance Exam Conducted by Central Board of Secondary Education. It also offers Part Time Degree Course (PTDC) in B.E/B.Tech. for the in-service personnel holding a diploma degree in engineering. PTDC classes of 4 year duration are being conducted in the evening since 1966.

M.E/M.Tech admission in PG is offered through Graduate Aptitude Test in Engineering (GATE) conducted by the IITs and IISc Bangalore. PG programme of civil engineering offers degree in 3 disciplines i.e in Structural Engineering, Geotechnical Engineering & Environmental Engineering.

Gate Qualified students: 27 & 21 students were GATE qualified in the year 2018-19 respectively

Candidates completed doing Ph.D:

Pedagogical Initiatives:

Interactive Classroom:

Students learnt with the help of power point presentation, videos, animation etc. This helped the students to understand more clearly the concepts and mechanisms of particular topic so that they may apply their knowledge in real life civil engineering problems.

E-Tutorials

Topics were explained to students with E-Content like contents collected from You Tube, NEPTEL and useful search etc.

Term Projects /Assignments:

During the semester the students are divided into small groups and assigned with term projects which has to be submitted within specified time period

Active Learning:

Students in a classroom session are called upon to do problems on board. This process of teaching involves individual thinking and improves confidence level to a great extent.

Case Studies:

Case studies are involved for effective study in classroom with live example from industries. After students have to prepare report and submit within specified period

- In M.P this college has earned the status of “ State Technical Agency” for pradhan Mantri Sadak Yojna. Under this project scrutinies are made of the project proposals from 10 districts of M.P. The proposals after scrutiny, are sent to MPRRDA/ NRRDA for approval.
- The Department earned Rs..... by way of providing testing and consultancy services to different Private, Public, State, and Central government organizations.
- Major consultancy Activities:
 - Design of foundation for 2000/500 Ton Direct Horizontal Oil Hydraulic Extrusion Press for Ordnance Factory, Katni.
 - Design of Doppler Radar building at Metrological Centre, Bhopal
 - The prestigious Indian Space research organization (ISRO) has sponsored project entitled “ **Hydrological Modelling of Project Tiger national park**” Pench, Mandla

Department of Mechanical Engineering

Vision :

- Endeavors to be recognized for academic excellence and research in advanced fields of mechanical engineering to fulfill the global needs considering environmental sustainability.

Mission :

- To imparting highest quality education to the students to build their capacity and enhancing their skills to make them globally competitive mechanical engineers.
- To develop critical thinking, effective communication and learning skills in students and promote the value of ethical behavior and responsibility.
- To maintaining state of the art research facilities to provide collaborative environment that stimulates faculty, staff and students with opportunities to create, analyze, apply and disseminate to produce technically sound and ethically strong engineers, researchers and entrepreneurs to satisfy global needs in the field of electrical engineering.

In its long and cherished journey, this department has provided eminent engineers who have contributed immensely in the making of modern India. Spreading over an area of 5865 sq.m the department can boast of having a large building space and more than adequate infrastructure. In its pursuit of excellence, the contribution of the faculty members has been extraordinary. This could become possible because of the excellent academic facilities assisted by a network of several laboratories. Under TEQIP III the process of upgradation of laboratories is under progress. Non-

Conventional Energy park has already been inaugurated and several proposals have been sent to the govt. for its approval. For the proper management of academic activities the department has sufficient number of faculty and supporting staff.

The Department has a computer lab where the students are trained in some of the leading software like Auto Cad, Solid Edge, Ideas, Unigraphics etc. The curriculum broadly covers the areas related to :

Computer Aided Design, CAM and Automation	Production and operation management
Machine Design	Mechanics of material
Operation's Research	Flexible Manufacturing System
Thermal Science	Material's Management

Courses offered:

B.E/B.TECH. in Mechanical Engineering: Total in -take in UG program of mechanical engineering is 90. From 2014 onwards, admissions are carried out on the basis of Joint Entrance Exam Conducted by Central Board of Secondary Education. It also offers Part Time Degree Course (PTDC) in B.E/B.Tech. for the in-service personnel holding diploma degree in engineering. PTDC classes of 4 year duration are being conducted in the evening since 1966.

M.E/M.Tech admission in Mechanical Engineering: PG is offered through Graduate Aptitude Test in Engineering (GATE) conducted by the IITs and IISC Bangalore. PG programme of mechanical engineering offers degree in 2 disciplines i.e in : Heat Power and Machine Design

- **Gate Qualified** students: 22 and 26 students qualified GATE in the year 2018-19 respectively.
- The **over all result** of B.Tech Final year students was **83.8%**
- **Campus placement** of the students have been satisfactory
-

Pedagogical Initiatives:

Expert Lectures

People from Academia and industries were invited to interact with students as well as faculties to share their knowledge and real life experiences. Students and faculty are allowed to go to other institutes and industries to attend various programmes like Expert lecture, Software learning, Short Term courses etc.

Presentation Skills:

Students are assigned to prepare and present any topic related to a particular course. It helps them in improving their presentation skills

Laboratory Work:

Continuous

Highlights :

- Consultancy Project of Urja Vikas Nigam on Bio Diesel testing was done by the faculty
- The faculty members carried out material testing services for various Government departments like PWD, Irrigation, Department housing Board etc.
- The Deptt has CAD/CAM/CIM laboratory which uses several software and modeling
- Mechanical Engineering Society of the Department is instrumental in organizing expert lectures, technical seminars, technical visits etc.
- CNC trainer machine has been purchased from the grant of RS 5. Lacs given by AICTE for the new F.M.S laboratory Under the TEPTec project.
- The students maintained their laudable efforts by continuing the publication of Annual Journal

Department of Electrical Engineering

Vision

To produce technically sound and ethically strong engineers, researchers and entrepreneurs to satisfy global needs in the field of electrical engineering.

MISSION

- To carve out graduates and postgraduates with higher level of competence and wisdom by knowledge empowerment mechanism.
- Enhancing research in the field of electrical engineering by developing innovative and creative problem solving skills.
- Establish strong linkage with technical institutions, industries, R&D organizations and communities.

Department of Electronics & Telecommunication Engineering

Vision:

To be a leading center in electronics and telecommunication education, research, entrepreneurship and industry outreach services for creating sustainable infrastructure and enhancing quality of life and values.

Mission

- Generate a specialized cadre of electronics and telecommunication engineering by imparting quality of education and training.
- Attain international standards in teaching, research and consultancy with global linkages and make in India with government association.
- To have learned faculty members to inculcate the higher order thinking, research activities and to provide leaders in the fields of new technology

Department of Computer Science & Engineering

Vision :

To be a leader in providing academic excellence and research outputs in advanced fields of computer science engineering satisfying the global needs

Mission :

- To impart highest quality education to the students to make them globally competitive computer science engineers embedded with wisdom and dedicated to ethics and values. •
- To develop critical thinking, effective communication and lifelong learning skills in students •
- To maintain state of the art research facilities and collaborative environment that stimulates faculty, staff and students with opportunities to create, analyze, apply and disseminate knowledge.
- To promote the graduates for multidisciplinary knowledge for technological innovation and entrepreneurship.
- To establish strong linkages with technical institutions, industries, R&D organizations and community
- There are more than 35 spacious computer labs equipped with about 1250 computer sets with the latest configurations and the state-of -the-art software. All the computer systems are connected by LAN & 24 hour's Internet connectivity is provided for the benefit of students as well

as faculty members. The windows, UNIX and LINUX software packages such as Drawing and Drafting package (AUTOCAD), Multimedia, Animation and various editing packages are made available to create simulated environments to suit not only the curricula very well but also to go beyond it

JECCA Gold Medal Award 2018-19

S.no	Name of award	Name of the Student
1	PANDHI BROTHERS MEMORIAL gold medal for topper of Mechanical Engineering branch	Anupam Shukla
2	JECCA Gold Medal for Topper of Civil Engineering Branch	Jagdish Dangi
3	JECCA Gold Medal for Topper of Mechanical Engineering Branch	Anupam Shukla
4	JECCA Gold Medal for Topper of Electrical Engineering branch	Bhagvat Shukla
5	JECCA Gold Medal for Electronic & Tele Communication Branch	Tanya Agrawal
6	JECCA Gold Medal Award for Topper of Computer Science & Engineering Branch	Shriti Dubey
7	JECCA Gold Medal for Information Technology Branch	Priyanshu Mishra
8	JECCA Gold Medal for Topper of Industrial & Production Engineering Branch	Ishaan Khare
9	JECCA Gold Medal for OVER ALL TOPPER among Girls Batch	Shriti Dubey
10	Prof. Paul Memorial Gold Medal , in EC Branch, for obtaining highest marks in the subject OPTICAL COMMUNICATION	SrushtiPatil
11	Prof. K.K Shrivastava Memorial Gold medal for obtaining highest SGPA in VIII Sem IT Branch	Nikita Shrivastava
12	Shri Gokul Chand & Smt. Kailash Devi Arora Memorial Award for obtaining maximum CGPA in total from I to VIII Sem.	Shriti Dubey
13	Shri Anil J Kale memorial Gold medal award for topper of VIII Sem. Electrical Engineering Branch	Shreya Nema

Extra Curricular and Co-curricular Activities



COORDINATORS AND PARTICIPANTS OF EVENT SHAM E HINDUSTAN , REPUBLIC DAY EVE CELEBRATION 25TH JANUARY 2019





Karwaa Activities







नुककड़ नाटक के जरिए छात्रों ने पर्यावरण व जलवायु परिवर्तन पर फैलाई जागरूकता

जबलपुर इंजीनियरिंग कॉलेज की समाजसेवी संस्था कारवां का आयोजन

जबलपुर। नईदुनिया रिपोर्टर

जबलपुर इंजीनियरिंग कॉलेज (जेईसी) की समाजसेवी संस्था कारवां द्वारा गुरुवार को प्रथम वर्ष के छात्रों के लिए संचालित इंटरैक्शन प्रोग्राम के अंतर्गत पर्यावरण व जलवायु परिवर्तन के प्रति जागरूकता फैलाने के लिए नुककड़ नाटक की हृदयस्पर्शी प्रस्तुति दी गई। जिसमें द्वितीय व तृतीय वर्ष के छात्रों ने भाग लिया। खास बात यह रही कि इस नाटक का लेखन व मार्गदर्शन स्वयं छात्रों द्वारा किया गया था। इस अवसर पर महाविद्यालय के उप प्राचार्य डॉ. एके शर्मा, भौतिकी विभागाध्यक्ष डॉ. एसके तिवारी, कारवां की मेंटर सावित्री पटेल व प्राध्यापक उपस्थित रहे।

कारवां विगत 7 सालों से समाजसेवा के क्षेत्र में महाविद्यालय का प्रतिनिधित्व करता आया है। संस्था का मुख्य उद्देश्य गरीब बच्चों को जवाहर नवोदय विद्यालय, ज्ञानोदय विद्यालय आदि की प्रवेश परीक्षा के लिए तैयार करना है, जिसमें इस वर्ष भी कारवां सफल रहा।



जेईसी में इंटरैक्शन प्रोग्राम के अंतर्गत नुककड़ नाटक में शामिल छात्र-छात्राएं।

छात्रों के निरंतर प्रयासों के फलस्वरूप एलएनवाय स्कूल रांझी की छात्रा रूपमति का चयन इस वर्ष ज्ञानोदय विद्यालय में हुआ है। जिसका अतिथियों ने सम्मान किया।

इस अवसर पर महाविद्यालय के छात्र सोहन लाल चौधरी ने कारवां का आधार प्रकट किया। इन्हें गत सत्र डॉ. एसके तिवारी द्वारा कृत्रिम पैर के लिए पूर्ण वित्तीय सहायता प्रदान की गई थी।



GALLERY BY AESTHETE ART CLUB



HE

Winners of the Event “Winter is Here”

