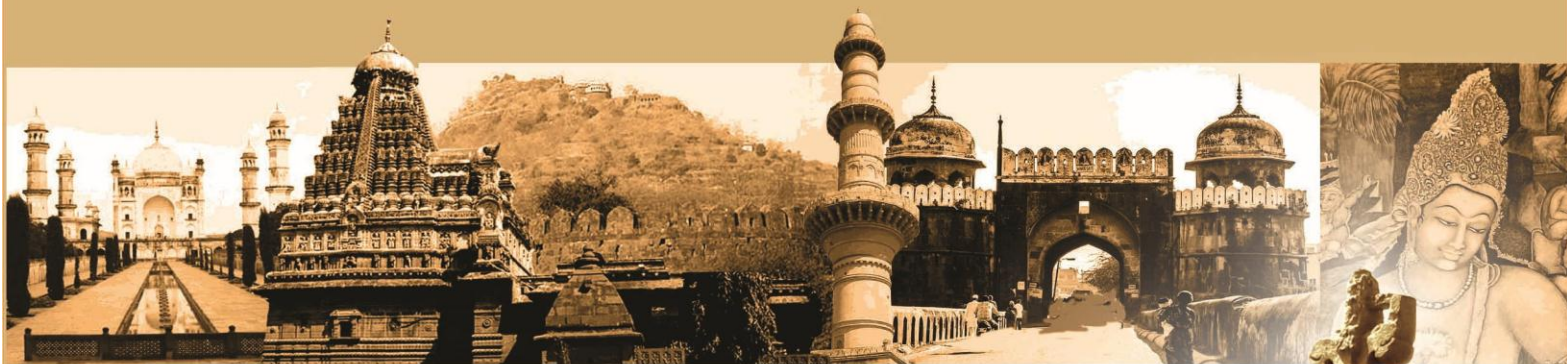
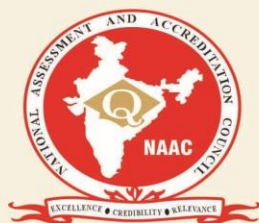




SELF STUDY REPORT FOR ASSESSMENT (Cycle-I) for AFFILIATED COLLEGES



Submitted to
**NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL
BANGLORE, INDIA**



In pursuit of Excellence
Education | Service | Research

Submitted by
**Mahatma Gandhi Mission's
Jawaharlal Nehru Engineering College**
(Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)
N-6, CIDCO, Aurangabad - 431003

2016 - 17

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FOR ASSESSMENT (Cycle-I)
FOR
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Accreditation Council
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Jawaharlal Nehru Engineering College
Aurangabad, Maharashtra - 431003
2016-17**

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List of abbreviations

ACM	Association for Computing Machinery
AICTE	All India Council for Technical Education
AMC	Annual Maintenance contract
ASCE	American Society of Civil Engineers
CAD	Computer Aided Design
CAM	Computer Aided Manufacturing
CAT	Common Admission Test
CBCS	Choice Based Credit System
CDC	Consultancy Development Cell
CEO	Chief Executive Officer
CFD	Computational Fluid Dynamics
COMSA	Computer Science Engineering Students Association
CNC	Computer Numerical Control
CSE	Computer Science and Engineering
CSI	Computer Society of India
CSR	Corporate Social Responsibility
Dr. BAMU	Dr. Babasaheb Ambedkar Marathwada University
DST	Department of Science and Technology
DTE	Director of Technical Education
ECT	Electronics
EDP	Entrepreneurship Development Programme
EEP	Electrical Electronics Power
EMS	Environment Management System
EPF	Employee Provident Fund
ERP	Enterprise resource planning
FACE	Focus Academy for Career Enhancement
FDP	Faculty Development Program
FE	First year engineering
GATE	Graduate Aptitude Test in Engineering
GRE	Graduate Record Examinations
GTT	Global Talent Track
HOD	Head of Department
HR	Human Resource
HRD	Human Resource Development
IBM	International Business Machines Corporation
ICE	Instrumentation and Control Engineering
ICT	Information and Communication Technology
IE(I)	The Institution Of Engineers
IEEE	Institute of Electrical and Electronics Engineers
IES	Indian Engineering Services
IGTR	indo German tool room
IICHe	Indian Institute of Chemical Engineers
IIIE	Indian Institution of Industrial Engineering

NAAC – SELF STUDY REPORT

IIT	Indian Institute of technology
INSAAN	Indian National Suggestion Schemes' Association
IoT	Internet of Things
IPR	Intellectual Property Rights
IQAC	Internal Quality Assurance Cell
ISO	International Organization for Standardization
ISTE	Indian Society for Technical Education
IT	Information Technology
JITSA	JNEC Information Technology Students Association
JNEC	Jawaharlal Nehru Engineering College
LCD	liquid crystal display
M.E.	Master of Engineering
M.Phil	Master of Philosophy
MPSC	Maharashtra Public Service Commission
MCA	Master of Computer Applications
Mech	Mechanical
MGM	Mahatma Gandhi Mission
MKCL	Maharashtra Knowledge Corporation Limited
MoU	Memorandum of understanding
MQL	Minimum Quantity Lubrication
MRM	Management Review Meeting
NAASCOM	National Association of Software and Services Companies
NCC	National Cadet Corps
NDL	National Digital Library
NITTTR	National Institute of Technical Teacher Training and Research
NPTEL	National Programme on Technology Enhanced Learning
NSS	National Service scheme
OHP	Over Head Projector
PG	Post-graduate
Ph. D.	Doctor of Philosophy
PM	Particulate Matter
QCFI	Quality Circle Forum of India
QMS	Quality Management System
RC	Research Committee
R and D	Research and Development
SAE	Society of Automotive Engineers
SE	Second year engineering
T and P	Training and Placement
TCS	Tata Consultancy Services
TE	Third year engineering
UG	Under Graduate
UGC	University Grants Commission
UPSC	Union Public Service Commission

EVALUATIVE REPORT: CIVIL ENGINEERING

1. Name of the department: Civil Engineering

2. Year of Establishment: 1983

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):

Name of Program	Year of establishment	Intake
UG (Civil-Construction)	1983	60
UG (Civil Engineering)	1990	60
UG (Civil Engineering) II Shift	2010	60
PG (Structural Engineering)	2010	18

4. Names of Interdisciplinary courses and the departments/units involved:

Sr. No.	Name of Interdisciplinary Course	Department
1	Communication Skills	Dept. of Foreign language
2	Engineering Mathematics-III,IV	Applied Science Department

5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of the programme	Type
1.	First Year	Choice based credit system
2.	S.E. to B. E. (Civil)	Semester System
3.	M.E. (Structural Engineering)	Choice based credit system

6. Participation of the department in the courses offered by other departments:

Sr. No.	Name of the department / Programme	Course name
1.	Department of Applied Science	Elements of Civil Engineering
2.	Department of Applied Science	Engineering Mechanics
3.	Department of Mechanical Engineering	Strength of Materials
4.	Department of Chemical Engineering	Strength of Materials
5.	Department of Biotechnology	Introduction to Biological Programming
6	All Departments	Environmental Science

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/Programmes discontinued (if any) with reasons:

Sr. No	Name of the Programme	Reason
1.	M.E.(Environmental Engineering)	More opportunity for ME Structure as compared to ME Environmental

9. Number of Teaching Posts:

Teaching Post (UG)	Sanctioned	Filled
Professor	3	0
Associate Professor	6	4
Assistant professor	19	23
Teaching Post (PG)	Sanctioned	Filled
Professor	1	1
Associate Professor	2	0
Assistant professor	1	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.)

Sr. No	Name	Qualification	Designation	Specialization	Experience (Yrs)	Number of PhD students guided for last 4 years
1	Dr. H. H. Shinde	BE (Civil), ME (Civil) , Ph D- Civil	Professor And Vice Principal	Geotechnical and Water Resources Engineering	28	04*
2	Dr. S. B. Shinde	BE (Civil), ME (Stru.), PhD	Associate Professor And Head of the Department	Structural Engg.	24	NIL
3	Dr. M. D. Sadique	BE (Civil), ME (Soil Engg), PhD	Associate Professor	Geotechnical Engineering	20	NIL
4	Dr. V. S. Pradhan	BE (Civil), ME (WRE), Ph D.	Associate Professor	Water Resources Engineering	20	NIL
5	Dr. S. Ghosh	B.Sc.(1994), M.Sc. (Math), European Masters (Remote Sensing), PhD	Associate Professor	Geoinformatics Engineering	19	NIL

Sr. No	Name	Qualification	Designation	Specialization	Experience (Yrs)	Number of PhD students guided for last 4 years
6	Mr. U. G. Jadhav	BE (Civil), ME (Stru.),	Assistant Professor	Structural Engg.	28	NA
7	Mr. L. G. Kalurkar	BE (Civil), ME (Stru.), Ph.D Pursuing	Assistant Professor	Structural Engg.	14	NA
8	Dr. M. N. Mangulkar	BE (Civil), ME (Stru.), Ph.D.	Assistant Professor	Structural Engg.	11	NA
9	Ms. V. G. Jadhav	BE (Civil), ME (Stru.),	Assistant Professor	Structural Engg.	7	NA
10	Mr. M. V. Gaikwad	BE (Civil) , ME (Stru.),	Assistant Professor	Structural Engg.	24	NA
11	Mr. L. K Kokate .	BE (Civil), ME (Soil.), Ph.D Pursuing	Assistant Professor	Geotechnical Engineering	7	NA
12	Mr. R. V. Wanjule	BE (Civil), M.Tech (Environmental Engg.),	Assistant Professor	Environmental Engineering	6	NA
13	Mr. S. V. Ighare.	BE (Civil), ME (Soil Engg),	Assistant Professor	Geotechnical Engineering	6	NA
14	Ms. G. A. Bhise	BE (Civil), ME (TP),	Assistant Professor	Town planning	4	NA
15	Ms. F. Ansari	BE (Civil), ME (Struct),	Assistant Professor	Structural Engg.	4	NA
16	Ms. R. A. Patil	B.E. (Environmental Engg), M.Tech (Env. Planning)	Assistant Professor	Environment, Town planning	3	NA
17	Ms. J. R. Ramchandani	BE (Civil), ME (Stru.),	Assistant Professor	Structural Engg.	1	NA
18	Mr. S. A. Shejul	BE (Civil),	Assistant Professor	Structural Engg.	25	NA

NAAC – SELF STUDY REPORT

Sr. No	Name	Qualification	Designation	Specialization	Experience (Yrs)	Number of PhD students guided for last 4 years
19	Ms. S. N Goswami	BE (Civil), ME (Struct.), Pursuing	Assistant Professor	Structural Engg.	4	NA
20	MS. U. S. Sarade	BE (Civil)	Assistant Professor	-	3	NA
21	Mr. S. D. Nimbole	BE (Civil)	Assistant Professor	-	3	NA
22	Mr. R. S. Jadhav	BE (Civil)	Assistant Professor	-	2	NA
23	Mr. D. D. Jadhav	BE (Civil)	Assistant Professor	-	2	NA
24	Mr. N. S. Kode	BE (Civil)	Assistant Professor	-	1	NA
25	Mr. K. L. Kulkarni	BE (Civil)	Assistant Professor	-	5	NA
26	Mr. K. N. Deshmukh	BE (Civil)	Assistant Professor	-	1	NA
27	Ms. V. V. Nalawade	BE (Civil)	Assistant Professor	-	3	NA
28	Mr. G. M. Shelke	BE (Civil), ME (Environmental Engg) Pursing	Assistant Professor	-	1	NA
29	Mr. A. G. Sawant	BE (Civil), ME (Structural) Pursing	Assistant Professor	-	1	NA
30	Mr. T. S. Gurnule	BE (Civil)	Assistant Professor	-	0.5	NA

* Ph.D Pursuing

11. List of senior visiting faculty:

S. No	Name of the faculty	Years
1	Dr. S. M. Dumne	2015 onwards
2	Dr. Jagdish Godihal	2013 to 2015
3	Mr. R. P. Amle	2011 to 2015
4	Mr. P. D. Shinde	1995 onwards

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty:

Sr. No.	Year	% of lectures delivered	% of Practical Classes handled
1	2016-17	34.14	63.63

13. Student -Teacher Ratio (Programmewise):

Sr. No.	Programme	Student: Teacher ratio
1	UG: Bachelor of civil Engineering	15:1
2	PG: Master of Engineering (Structures)	3 :1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr. No.	Academic support staff	Academic support staff
1	Technical staff	-
2	Supporting staff	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr. No.	Qualification	No. of Teaching Faculties
1	Ph.D.	06
2	PG (M.E./M. Tech)	11
3	B.E.	12

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received :NIL****18. Research Centre /facility recognized by the University:**

Approved Ph.D. center by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

19. Publications

Sr . N o.	Name of the Staff/ Student	Publicatio n per faculty/ Student	Number of papers published by faculty and students in peer reviewed journals	Monograp hs/ Chapter in Books/ Books Edited/ Books with ISBN/ISSN numbers with details of publishers	Citatio n Index	Impa ct factor (Max)	h- Inde x
1	Dr. S. B. Shinde	28	25	-	17	2.79	2
2	Dr. M. D. Sadique	12	12	-	05	1.39	1
3	Dr.V. S. Pradhan	03	03	1(Submitted)	04	1.07	1
4	Mr. L. G. Kalurkar	08	08	-	28	0.98	4
5	Dr. M. N. Mangulkar	13	13	-	16	1.65	2
6	Dr.Suddhasheel Ghosh	15	15	-	23	3.06	3
7	Mr. L. K. Kokate	01	01	-	03	0.7	1
8	Mr. R. V. Wanjule	02	02		04	1.2	1

20. Areas of consultancy and income generated:

Sr. No.	Area of Consultancy	Total Amount in Rs.
1	Cube testing report	1800

21. Faculty as members in Committees :

Committees	Faculty	Details
a. National committees	Dr. H. H. Shinde Dr. V. S. Pradhan	Members of Indian Water Resource Society, Aurangabad Chapter

	Dr. H. H. Shinde Dr. V. S. Pradhan	Members of Indian Society of Hydraulics, Aurangabad Chapter
b. International committees	Dr. Suddhasheel Ghosh	Reviewer of following International Journals • Photogrammetry and Remote Sensing • International Journal of Remote Sensing • Photogrammetric Engineering and Remote Sensing • Applied Geomatics

Sr. No.	Name of Professional Bodies	No. of Faculty
1	Institution of Engineers	13
2	Indian Society of Structural Engineers	2
3	Indian Water Resource Society	2
4	Institute of town planners, India	1
5	Indian Society of Technical Education	3

22. Student projects

- Percentage of students who have done in-house projects including inter-departmental programme:

Year	% of in-house projects
2016-17	100%
2015-16	100%
2014-15	100%
2013-14	100%
2012-13	100%
2011-12	100%

- Percentage of students placed for projects in organizations outside the institution i.e. in research laboratories, industry or other agencies: **NIL**

23. Awards recognitions received by faculty and students. University Rankers, other comp.

Sr. No	Name of faculty/ Student	Achievement (Award/Recognition) Provide details	Level of Recognition	Year
1	Wakode Akshay	University Rank 3 rd	University	2016
2	Gudale Shashikant	University Rank 2 nd	University	2014

3	Dr. M. N. Mangulkar	1. Patent of design-Apparatus for “Determining Dimensions of Aggregate Particles used in Concrete”- Design application Number-265756 in Class- 10-04 dated-18/09/2014 2. Patent of Technology- “Method and apparatus for measuring characteristics of aggregate using digital image processing”- application No-1454/MUM/2014 dated - 24/04/2014	Registered Filed	2015-16 Under examination
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24. List of eminent academicians and scientist / visitors to the department :

Sr. No.	Name	Designation	Organization
1	Dr. Hemant Patil	Professor	SVNIT, Surat
2	Dr. Bharat Lohani	Professor	IIT Kanpur
3	Dr. Kailas A. Patil	Professor and H.O.D.	Government College of Engineering, Aurangabad
4	Dr. D. G. Regulwar	Asso. Professor	Government College of Engineering, Aurangabad
5	Dr. S. S. Jamkar	Asso. Professor	Government College of Engineering, Aurangabad
6	Dr. D.G. Durbude.	Asso. Professor	WALMI, Aurangabad
7	Dr. Parag Bhagwat	Asst. Professor	WALMI, Aurangabad
8	Er. D K Mankar	Asst. Professor	WALMI, Aurangabad

25. Seminar / conference / workshop organized and the source of funding:

Sr. No.	Year	Name of the workshop	Duration	Source of Funding
1	2016-17	Elements of composing documents and presentations using LaTeX	January 27 – February 1, 2016	Self-financed
2		Statistical Data Analysis with R	July 5 – 10, 2016	Self-financed
3		Advances in Concrete Technology	October 22, 2016	Self-financed
4	2015-16	Workshop on LaTeX and Science Communication	August 8 – 10, 2015	Self-financed

Sr. No.	Year	Name of the workshop	Duration	Source of Funding
1	2016-17	Elements of composing documents and presentations using LaTeX	January 27 – February 1, 2016	Self-financed
2		Statistical Data Analysis with R	July 5 – 10, 2016	Self-financed
3		Advances in Concrete Technology	October 22, 2016	Self-financed
5		Intellectual Property Rights and Innovation in Engineering	September 11 – 12, 2015	Self-financed
6		Principles of Research Methods	December 28 – 29, 2015	Self-financed
7	2014-15	Introduction to Remote Sensing	July 7 – July 11, 2014	Self-financed
8		Document composition using LaTeX	January 12 – January 15, 2015	Self-financed
9	2011-12	Green engineering and environmental pollution	February 10 – 11, 2012	Self-financed

26. Student profile programme / course wise:

Year	Applications received	Selected	B.E.		Pass %
			M	F	
2015-16	The admissions made as per the rules and regulations of Directorate of Technical Education and the affiliating University		113	33	73.97
2014-15			101	23	80.65
2013-14			94	27	61.98
2012-13			59	16	77.33

27. Diversity of Students

Name of the course	Year	% of students from the same state	% of students from other states
Civil Engineering	2016-17	99	1
	2015-16	98	2
	2014-15	98	2
	2013-14	99	1
	2012-13	97	3
	2011-12	99	1

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Examination Qualified	2015-16	2014-15	2013-14	2012-13
GATE	2	2	1	1
Civil services	1	1	2	3
TOEFL/IELTS	2	1	-	-
GRE	2	1	-	-

29. Student progression

Student Progression	Against % enrolled			
	2015-16	2014-15	2013-14	2012-13
UG to PG	02	02	03	12
PG to PhD	-	-	-	02
PhD to Post Doc	-	-	-	-
Employed				
• Campus selection	-	-	15.38	17.50
• Other than campus recruitment	08	07	08	21
Entrepreneurship / Self employed	-	02	02	04

30. Details of infrastructural facilities

- Library: College central library

Sr. No.	Course Name	No. of titles Available	No. of Volumes Available	No. of Print Journals
1	BE civil	1525	8576	12
2	ME civil	83	305	

- Internet facilities for staff and students: Every laboratory has been provided with at least one PC with an internet connection.

Location	No. Of PC's
All Labs and HOD	09
Cad Lab	40
Software Lab	12

- Class rooms with ICT facility:
Two classrooms and all computer laboratories are provided with internet facility. The class rooms are spacious and well equipped with the necessary infrastructure (LCD projectors, Audio/video visual aids with internet etc.) making it conducive to teaching & learning.

- Laboratories: 12

Sr. No.	Name of Laboratory	Name of important Equipment	Area of Lab.	Equipment Cost
1	Engineering Mechanics	Screw Jack, Parallelogram App.	68.62	76,356
2	Concrete Technology	Vicat Apparatus	83.62	7,32,516
3	Fluid Mechanics	Open Channel, venturimeter	125.62	5,34,812
4	Survey	Dumpy Level, Total Station	62.5	11,03,098
5	Computer Lab I	Computer	41.81	14,46,793
6	Strength of materials	Universal testing Machine	68.62	16,02,369
7	Transportation	CBR Test App., Marshal Stability test	68.62	1,57,314
8	Engineering Geology	Rock Minerals	68.62	8,812
9	Environmental Engg. and Research lab	COD Digester	68.62	27,76,206
10	Geotechnical	Oven , Core cutter	68.62	3,97,184
11	Structural Research Lab	Shake Table Instrument, Horizontak shake table.	54.53	12,46,126
12	Software Lab	Computers with softwares installed	54.53	9,16,920
13	Computer Lab II	Computer	41.81	2,70,000

31. Number of students receiving financial assistance from the college / university / government or other agencies:

Academic year	College	University	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	04	-	68	57	69	09	07	81
2014-15	04	-	83	66	94	07	06	84
2013-14	03	-	79	54	81	04	06	76

32. Details on student enrichment programmes:

Sr. No.	Year	No of Guest Lecture	No. of Industrial Visit	No. of Workshops
1	2016-17	10	02	02
2	2015-16	10	03	05
3	2014-15	03	03	01
4	2013-14	-	03	--
5	2012-13	-	06	--

33. Teaching methods adopted to improve student learning:

- Department has initiated Mentor Mentee programme for every subject. The senior faculty members guide the other faculty members of the subject in understanding the fundamentals. Common strategies are finalized by senior faculty.
- Notes of various units, standard readings in lab are prepared right at the beginning of semester. This activity helps the faculty members of the same subject to maintain uniformity across various classes.
- To inculcate the knowledge delivery skills a faculty induction Program was conducted at the institute level. Faculty members from department are also encouraged to take up programs like Mission 10X which is framed in accordance with the need of teachers to develop teaching skills.
 1. Assignments are given to students based on each unit.
 2. Power point presentation and NPTEL resource materials are used by faculty for delivery of subject matters.
 3. Tutorial are organized for improving the problem solving skills
 4. Industrial visits are organized.
 5. Guest lecturers of eminent personalities from academic institute as well as Industries are organized to enhance the student's knowledge.
 6. Workshops are conducted to provide hands- on for students under ICI students' chapter.
 7. Faculty Development Programs.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

1. Provides periodical demos for fire and safety.
2. NSS activities.
3. Blood donation camp
4. Swachhatha Abhiyaan.
5. Tree Plantation
6. No Vehicle day
7. Path Natya on Water conservation.
8. Three faculties conducted third party audit for construction work completed under government of Maharashtra's Jalyuktshivayojna.
9. Three faculties from department carried out the technical audit with Dainik Divya Marathi for the concrete roads constructed by Aurangabad Municipal Corporation.

35. SWOC analysis of the department and Future plans:**Strengths:**

- Six faculties with PhD with different areas of specialization.
- Well Equipped Laboratories.
- Excellent discipline and culture.
- Students motivated to participate in technical and social activities.

Weakness:

- Faculties having experience between 5 to 10 years is less.
- Few industry sponsored projects.
- Inadequate Technical and administrative Staff.
- Few industries are only attracted for campus interviews as Students aspire for higher education and technical civil services.

Opportunities:

- Preparing employable engineers through skill development to face the on field challenges (Present and future).
- To motivate and encourage students to appear for Competitive exams like G.A.T.E (Graduate aptitude test in engineering), M.E.S.(Maharashtra Engineering Services) , I.E.S. (Indian Engineering Services) etc.
- To become Centre of Excellence in key areas of civil engineering.
- Development of departmental consultancy cell.
- To encourage the staff for higher studies.
- To encourage the staff to participate in international conferences and publish in international peer reviewed journals.
- To engage skilled technical and administrative staff.

Challenges:

- The encourage students for in-plant trainings apart from their curriculum schedule.
- Non willingness of skilled technical people to work in educational institution due to more inclination towards state technical services.
- Undertake research projects sponsored by DST, UGC, AICTE., ISRO etc.

Future Plans:

- To provide field knowledge to the students.
- Improve campus placements
- Start Departmental Project Gallery.

EVALUATIVE REPORT: - MECHANICAL ENGINEERING

1. Name of the department: - Mechanical Engineering

2. Year of Establishment: - 1988

3. Names of Programs / Courses offered (UG, PG, etc.):-

Name of Program	Year of establishment	Intake
UG(Mechanical Engineering)	1988	120
PG (Manufacturing)	2008	18
PhD(Mechanical)	2009	-

4. Names of Interdisciplinary courses and the departments/units involved:

Sr. No.	Name of Interdisciplinary Course	Department
1	Engineering Mathematics III	Applied Science
2	Engineering Mathematics IV	Applied Science
3	Electrical Machines and Applied Electronics	Dept. of Electrical Engg.
4	Communication Skills	Dept. of Foreign language
5	Strength of Materials	Dept. of Civil Engineering
6	Enviromental Science	Dept. Civil Engineering

5. Annual/ semester/choice based credit system (programme wise):-

Sr. No.	Name of Program	Type
1	B.E. (Mechanical Engineering)	Semester System
2	F.E.	Choice based credit system
3	M.E (Manufacturing)	Choice based credit system

6. Participation of the department in the courses offered by other departments:

Sr. No.	Course offered	Department
1	Elements of Mechanical Engineering	Applied Science
2	Engineering Graphics	Applied Science
3	Workshop	Applied Science
4	Robotics	Electronics and Telecommunication

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:-

Sr. No.	Parameters	Course	Name
1	Collaboration with industry	CAD/CAM	MoU of MGM's JNEC with MCED Aurangabad for training in CAD /CAM facilities. Date 31/08/2013
2	Collaboration foreign institutions	--	--
3	Collaboration with other universities.	--	--

8. Details of courses/programmes discontinued (if any) with reasons:

Sr. No	Program	Course	Reason
1	U.G	Mechanical Engineering (2 nd Shift)	Quality of input not up to mark
2	P.G	Thermal Engineering	Quality of input not up to mark
3	P.G	CAD/CAM	Quality of input not up to mark

9. Number of teaching posts

Designation	Program	Sanctioned	Filled
Professors	UG	3	2
	PG	1	1
Associate Professors	UG	5	5
	PG	1	0
Assistant Professors	UG	16	22
	PG	1	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D. Students Guided for the last 4 yrs
					Teaching (Yrs)	Industry (Yrs)	
1	Dr. S. D. Dekhmukh	PH.D – Mechanical	Principal & Professor	Mechanical Engg	34	3.6	3+3*
2	Dr. M. S. Kadam	PH.D – Mech M.E –MPE B.E- Prod	Head of Dept. Professor	Manufacturing optimization	19	6	6*
3	Dr. R. R. Deshmukh	PH.D – Mech M.E – Mech B.E- Prod	Dean Academics, Associate processor	Manufacturing	21	-	2*
4	Dr. V. S. Joshi	PH.D – Mech M.E –Mech B.E-Mech Other – D.B.M	Professor	Tribology ,Design	10	-	-
5	Dr. A.B. Kulkarni	PH.D – Mech M.E – Mech B.E-Prod	Associate Professor	Design	18	10	-
6	Dr. N. G. Phafat	PH.D – Mech M.E – IE B.E- Prod	Associate Professor	Ind. Engg., Manufacturing, Quality control	20	02	-
7	Dr. D. R. Dolas	PH.D – Mech M.E – Mech B.E- MEch	Associate Professor	Mechanical , Design Engg, Mechanical	10	-	-
8	Mr.R.B.Patil	M.E – Mech B.E-Mech M.B.A-Mktg	Assistant Professor	CAD/CAM	12	-	-

9	Mr.D.S.Khedekar	PH.D – Pursuing Mech M.E – Mfg B.E- Mech	Assistant Professor	Mechanical , Mfg. Engg.	19	04	-
10	Dr. A. L. Chel	Post Doc- Energy & Building PH.D – Thermal Engg M.Tech - Renewables B.E- Mech.	Associate Professor	Thermal Engg, Renewables, Solar Photovoltaics, Energy & Building	05	1	-
11	Mr.R.A.Kathar	PH.D – Pursuing M.Tech – HPE B.E-Mech	Assistant Professor	Thermal Engg., Heat Transfer	19	03	-
12	Mr.S.B.Ubale	PH.D – Pursuing M.E –Mech B.E-Mech	Assistant Professor	Manufacturing optimization	19	-	-
13	Mr.S.B.Salvi	M.E –Mech B.E-Mech	Assistant Professor	Mechanical ,Manufacturing	10	-	-
14	Mr.S.G.Nagarkar	M.E – Prod M.B.A- Mktg B.E-Mech	Assistant Professor	Mechanical , Production	07	-	-
15	Ms.P.S.Shinde	PH.D – Pursuing M.E – Design B.E- Mech	Assistant Professor	Mechanical , Design	3	-	-
16	Mr.S.D.Kaldate	M.Tech- Mfg B.E- Prod	Assistant Professor	Manufacturing Automation	7	01	-
17	Mr.K.R.Jagtap	M.E – Mfg B.E- Prod	Assistant Professor	Manufacturing	7	-	-
18	Mr.R.L.Andhare	M.E – Pursuing B.E- Mech	Assistant Professor	Mechanical	6	-	-

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19	Mr.D.S.Dabhadre	M.E – Mfg Pursuing B.E- Mech	Assistant Professor	Mechanical	7	-	
20	Mr.S.A.Dharurkar	M.E – Pursuing B.E- Mech	Assistant Professor	Prod. Engg.	7	05	
21	Mr.S.L.Thengede	M.E – Prod B.E- Mech	Assistant Professor	Production Mechanical	5	04	-
22	Mr. A. S. Pathan	M.E – Mfg B.E- Mech	Assistant Professor	Production, Manufacturing	8	-	-
23	Mr.S.B.Pawar	M.B.A-Opr B.E- Mech	Assistant Professor	Mechanical	3	-	-
24	Ms.P. R. Mane	B.E- Automobile	Assistant Professor	Automobile manufacturing	3	-	-
25	Mr.S.S.Kadam	M.E – Prod B.E- Mech	Assistant Professor	Production, Mechanical	2	-	-
26	Mr.S.N.Quadri	M.E – CAD/CAM B.Tech - Prod	Assistant Professor	Production, CAD/CAM	1	-	-
27	Mr.P.P.Khairnar	M.Tech – Mfg & Automation B.E- Prod	Assistant Professor	Production, Mfg & Automation	16	0.9	-
28	Mr.M.D. Aute	B.E- Mech	Assistant Professor	Mechanical	0.9	-	-
29	Mr. A. S. Kirtane	BE Mech, ME-IEM	Assistant Professor	Industrial Engg.	02	-	-
30	Mr. S. S. Jadhav	BE Mech	Assistant Professor	Mechanical	05	-	-
31	Ms. K. A. Jahagirdar	BE-Mech, ME-Pursuing	Assistant Professor	Manufacturing	03	-	-
32	Mr. N. S. Giri	BE-Mech, ME-Pursuing	Assistant Professor	Manufacturing	05	-	-

*: PhD Pursuing

11. List of senior visiting faculty – NIL**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty-**

Sr. No.	Year	% of lectures delivered	% of Practical Classes handled
1	2016-17	19%	55%

13. Student -Teacher Ratio (programme wise) –

Sr. No	Program	Student -Teacher Ratio
1	UG (BE-Mechanical)	15:1
2	PG (ME-Manufacturing)	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (technical)	-	08
Administrative staff	-	-
Supporting Staff	-	05

15. Qualifications of teaching faculty with Post Doc/Ph.D/PG.

Qualification	Number of Faculty
Post Doc	01
Ph.D.	07
Ph.D.Registered	04
M.E./M.Tech	12
BE/ B.Tech	08

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received – 02

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No.	Project Title	In charge Faculty	Funding Agency	Amount	Duration	Research Progress
1	Optimization of Minimum Quantity lubrication in Turning of Hardened Steel	Dr. S. D. Deshmukh	AICTE	17,42,000	2012-13 to 2015-16	Work in Progress
2	Optimization of Dry turning	Dr. R. R. Deshmukh	UGC	5,02,000	2012-13 to 2015-16	Work in Progress
Total Amount =				22,44,000		

18. Research Centre/facility recognized by the University: -Approved Ph.D. center by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
19. Publications:

Sr. No.	Faculty Names	Publication by Faculty	Papers Published by Faculty & Student	No. of publications listed in International Database	Chapter in Books	Books Edited	Books with ISBN/ISSN No.	Citation index	SNIP	SJR	Impact Factor	h-index
1	Dr S. D. Deshmukh	20	30	-	-	-	-	-	-	-	-	-
2	Dr. M. S. Kadam	05	14	-	-	-	-	-	-	-	-	-
3	Dr. R R. Deshmukh	17	20	-	-	-	-	24	-	-	-	-
4	Dr. V. S. Joshi	06	04	05	--	---	----	----	----	-----	2	----
5	Dr. A. B. Kulkarni	07	08	-	-	-	-	-	-	-	-	-

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6	Dr. N. G. Phafat	14	09	-	-	-	-	4	-	-	-	2
7	Dr. D. R. Dolas	70	51	44	-	-	-	59	-	-	-	02
8	Dr. A. L. Chel	51	03	22	1	1	2	672	2.439	2.998	5.746	13
9	Mr. R. A. Kathar	4	3	-	-	-	-	-	-	-	-	-
10	Mr. D. S. Khedekar	05	15	07	-	-	-	-	-	-	2.5	1
11	Mr. S. B. Ubale	4	09	02	-	-	-	-	-	-	-	1
12	Mr. R. B. Patil	1	08	-	-	-	-	-	-	-	-	-
13	Mr. K R Jagtap	2	2	--	--	--	8	--	--	--	1.20	1
14	Mr. Arif Pathan	2	-	2	-	-	-	-	-	-	1.605	-
15	Mr. S L Thengade	01	-	-	-	-	-	3	-	-	-	1
16	Mrs. P. S. Shinde	04	-	02	-	-	-	-	-	-	2	1
17	Mr. S. S. Kadam	3	-	3	-	-	-	-	-	-	-	-
18	Mr. S. B. Pawar	1	-	1	-	-	-	-	-	-	-	-
19	Ms. P. R. Mane	1	-	1	-	-	-	-	-	-	-	-
20	Mr. S. N. Quadri	10	-	06	-	-	-	-	-	-	-	1

20. Areas of consultancy and income generated

Sr. No.	Course	Income Generated
1	AutoCAD Training of PWD Engineers (Four days training from 20 to 23 July 2015)	Rs. 1,60,000 /-
2	06 Days Workshop on BASICS OF CNC PROGRAMMING AND MACHINING	Rs.31,500/-
3	06 Days Workshop on BASICS OF CNC PROGRAMMING AND MACHINING	Rs.9,000/-

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards-

Committees	Names	No.of Faculty
National committees	IEI	5
	IST	7
	IIIE (Chairman- Dr. S.D. Deshmukh) (Secretary- Dr. A.B. Kulkarni)	15
	INSAAN (Chairman- Dr. S.D. Deshmukh)	1
	QCFI	4
International Committees	Nil	Nil
Editorial Boards	Journals	3

Association with Institution of Engineers

Sr.No.	Name of Staff Member	Membership
1	Dr S. D. Deshmukh	Fellow
2	Dr. M. S. Kadam	Member
3	Dr. R. R. Deshmukh	Associate Member
4	Dr. V. S. Joshi	Member
5	Dr. A. B. Kulkarni	Member

Association with Indian Society for Technical Education

Sr.No.	Name of Staff Member	Membership
1	Dr S. D. Deshmukh	Life Member
2	Dr M. S. Kadam	Life Member
3	Dr R R Deshmukh	Life Member
4	Dr V. S. Joshi	Life Member
5	Dr A. B. Kulkarni	Life Member
6	Dr. N. G. Phafat	Life Member
7	Mr. D. S. Khedekar	Life Member

Life Members Indian Institute of Industrial Engineering (IIIE)

Sr.No.	Name of Staff Member	Membership
1	Dr S. D. Deshmukh	Life Member Chairman
2	Dr M. S. Kadam	Life Member
3	Dr R R Deshmukh	Life Member
4	Dr V. S. Joshi	Life Member
5	Dr A. B. Kulkarni	Life Member
6	Dr. N. G. Phafat	Life Member
7	Mr. D. S. Khedekar	Life Member
8	Dr. D. R. Dolas	Life Member

9	Mr. S. B. Ubale	Life Member
10	Mr. R. B. Patil	Life Member
11	Prof Nagargoje	Life Member
12	Prof S D Kaldate	Life Member
13	Prof K R Jagtap	Life Member
14	Prof Arif Pathan	Life Member
15	Prof Mrs P S Shinde	Life Member

Life Members Quality Circle Forum of India (QCFI)

Sr.No.	Name of Staff Member	Membership
1	Dr S. D. Deshmukh	Life Member
2	Dr R R Deshmukh	Life Member
3	Dr A. B. Kulkarni	Life Member
4	Mr. D. S. Khedekar	Life Member

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

Year	2015-2016	2014-2015	2013-2014	2012-2013
% In-house Projects	94.94	97.91	86.94	97.78

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Year	2015-2016	2014-2015	2013-2014	2012-2013
% outside the institution Projects	5.06	2.09	13.06	2.22

23. Awards / Recognitions received by faculty and students

Sr. No	Year	Name of faculty	Achievement(award/recognition)	Level of recognition
1	2015-2016	Dr.R.R.Deshmukh	Engineering Excellence Award to Dr.R.R.Deshmukh by IEI for social & educational contribution	National
2	2013-14	Dr.A. L.Chel	Bharat Jyoti Award	National

Students Achievements:

Sr.No	Year	Name of Student	Achievement(award/recognition	Level of recognition
1	2016	Sushrut Karmarkar	Invited as a member of the Executive Board at the Mumbai Model United Nations Conference held between 19 to 21st Feb 2016 in the capacity of Vice Chair for the United Nations Environment Programmewith the topic for discussion being 'Illicit Wildlife Trade in Asia and Africa '.	International
2	2016	Sushrut Karmarkar	Invited as Chairperson of Disarmament and International Security Committee at the Nottingham University Model United Nations conference held at Kuala Lumpur, Malaysia between 25th and 28th Feb 2016 with the topic of discussion being 'Maritime Security and Illegal Immigration'.	International
3	2016	Sushrut Karmarkar	Participated in the Harvard World Model United Nations conference held at Rome, Italy between 14th to 18th March 2016 in the Commission for Science and Technology for Development with the topic of discussion being 'Biotechnology for Developing Nations'.	International
4	2016	Antriksh Mutha.	IDAD-2016 by Dr.RR& Dr.SR Technical university Avadi,Chennai.(second international conference on innovative design,analysis& development practices in aerospace and automotive engineering) :attended by AntrikshMutha.	International
5	2015	Shubham Ugle ,Shweta Kate	Publication of research paper in IRJET on 7 October 2015 title of paper-Formula one safety – review by shubhamugle ,shwetakate	International
6	2015	A.S.JOSH I,P.U.Kakade,S.D.Kate	Publication of research paper in IEEE IN 2015 (Third international conference 2015)Title of paper:study of simulation & modelling of Brake system in vehicles working on ABS . BY A.S.JOSHI,P.U.Kakade,S.D.Kate	International

7	2015	Aditya Deshpande	Exam – GMAT I recently gave GMAT exam which is used for admissions into MBA Programs abroad. Have scored 770 marks and got 99 percentile (the highest possible percentile in the exam)	International
8	2014	Aditya Deshpande	Exam – CMAT CMAT is a national level exam conducted for admissions in MBA institutes throughout the country. I scored 99.88 percentile in the exam and had an All India Rank of 52 from lakhs of applicants. Highest from the region.	National level
9	2014	Aditya Deshpande	EXAM – CAT Scored 99.27 percentile in CAT 2014 from a total of 2 lakh students appearing from the exam. Got admission in IIM Udaipur, IIM Trichi, IIM Raipur, IIM Ranchi and all the newest IIMs. Also converted NMIMS Mumbai and a few others. Did not take admission though.	National level

24. List of eminent academicians and scientists / visitors to the department

Sr. No	Name	Designation	Organization
1	Dr. Kornel Ehmann	Professor	University of Wisconsin-Madison
2	Prafulla Ghare	Senior Manager (R&D)	Greaves Cotton Ltd.
3	Mr. Ashok Kumar	Dy. Director	MSME.
4	Mr. Naved Talib	Operating Head (Planning and Support Function)	Honda Cars Ltd
5	Dr. V.M. Domkundwar	Professor	COEP
6	Dr. Amitabha Ghosh	Professor	IITK

25. Seminars/ Conferences/Workshops organized & the source of funding a)

National b) International

Sr. No.	Year	Event	Topics	Objective	Venue	Source of funding
1	2016-17	Six Day Workshop	CNC Lathe programming & machining	To know basic of CNC Lathe programming & machining	AGF-04	Self-Financed

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2		Workshop	Working & operation of engraving milling machine	To aware the working & operation of engraving milling machine	Mechanical workshop	Self-Financed
3		Training	BHAKOO Teacher training attitude building course	Teacher training attitude building course	ASF-17	Self-Financed
4	2015-16	Six Day Workshop	CNC Lathe programming & machining	To know basic of CNC Lathe programming & machining	AGF-04	Self-Financed
5	2014-15	Workshop on research methodology	Workshop on research methodology	Research approaches & research process, DOE, Data analysis technique	Einstein hall	Self-Financed
6		Lecture talk by Mrs. Dimple Bindra	Personality development	To guide students regarding personality development	AGF 06 Mech Dept.	Self-Financed

26. Student profile programme/course wise:

Name of the Course/ programme	Applications received	Selected	B.E.		Pass %
			M	F	
2015-16	The admissions made as per the rules and regulations of Directorate of Technical Education and the affiliating University		185	30	86.98
2014-15			119	24	93.01
2013-14			165	27	67.71
2012-13			121	14	88.15

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States
Mechanical engineering	2016-17	100	00
	2015-16	99.2	0.8
	2014-15	99.2	0.8
	2013-14	100	00
	2012-13	99.45	0.55

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	No. of Students	Nature of Exam
2015-2016	02	GRE/TOEFL
2014-2015	07	GATE
	04	GRE/TOEFL
2013-2014	06	GATE
	03	GRE/TOEFL
2012-2013	08	GATE
	01	GRE/TOEFL

29. Student progression

Student progression %	2015-2016	2014-2015	2013-2014	2012-2013
UG to PG	4.18%	7.69%	12.42%	4.44%
PG to Ph.D.	Nil	Nil	Nil	Nil
Employed - Campus selection	33.07%	54.66%	13.97%	15.30%
- Other than campus recruitment	3.72%	7%	17.75%	11.85%

30. Details of Infrastructural facilities

a) Library: Statistical information of Library books:

Sr. No.	Course Name	No. of Titles available	No. of Vols. available	Journal
1	BE (Mechanical Engg.)	1885	9682	12
2	M.E.(Mfg)	160	517	06

b) Internet facilities for Staff & Students:

Computers for Faculties	29 (PCs)
PG lab	05 (PCs)
CAD lab	32 (PCs)

c) Class rooms with ICT facility -04

d) Laboratories

Sr. No.	Name of Laboratory	Lab In charge	Area of Lab/ Workshop in Sq.m	Equipment Cost
1	CAD/CAM	R.B.Patil	57.6	Rs. 46,28,280/-

2	Industrial hydraulics and Pneumatics	S.D.Kaldate	58.38	Rs.27,28,369/-
3	Metallurgy	S. G. Nagargoje	77.015	Rs.2,29,675/-
4	Theory of Machines	S. B. Pawar	75.06	Rs. 3,42,525/-
5	Refrigeration and Air Conditioning	S. L. Thengde	86.64	Rs.7,12,805/-
6	Thermal Engineering	K. Jahagirdar	86.42	Rs.2,24000/-
7	Metrology	A. S. Pathan	70.53	Rs.6,12,822/-
8	Fluid Mechanics	K. R. Jagtap	98.82	Rs. 8,38,695/-
9	Heat Transfer	P.P.Khairnar	111.60	Rs.5,10,068/-
10	Automobile	D. S. Dabhade	93.13	Rs.40,875/-
11	I. C. Engine	S. B. Salvi	98.09	Rs.2,49,560/-

31. Number of students receiving financial assistance from college, university, government or other agencies:

Academic year	College	University	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	13	--	99	62	110	06	11	71
2014-15	08	--	100	80	126	11	12	73
2013-14	10	--	71	76	99	10	11	66

32. Details on student enrichment programmes (special Lectures/ workshops/ seminar) with external experts:

Sr. No.	Year	No of Guest Lecture	No. of Industrial Visit	No. of Workshops
1	2016-17	02	02	01
2	2015-16	13	05	02
3	2014-15	06	09	03
4	2013-14	05	10	01
5	2012-13	05	05	01

33. Teaching methods adopted to improve student learning

- Use of chalk and duster, white board,
- Usage of audio video aids is sufficiently done to enhance learning.
- Use of Smart Class Room.
- Use of NPTEL videos.

- Innovative techniques like Quiz.
- Charts and softwares.
- E-books from Springer Publication.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Charity for students and staff members in MGM hospital.
- Health care awareness Programme
- Women Empowerment programs
- Organizing NSS Camps
- Students participate in Blood Donation Camps
- Involving students in various activities related to environment like solar, tree plantation, pollution checking.

35. SWOC analysis of the department and Future plans

Strengths:

- Good infrastructure in terms of classrooms, Laboratories, workshop.
- PhD. and experienced faculty covering the major aspects of Mechanical Engineering.
- Consistent good result of the Students.
- Well equipped and spacious laboratories.
- Good numbers of research papers are published in reputed international peer reviewed journals and conferences.
- Innovative teaching and learning methodologies are being adopted by arranging training/Workshops/guest lecturers etc so as to encourage students and faculty to develop to their fullest potential.
- Department has a culture of teaching beyond curriculum through industry visits, expert lectures in order to make education more relevant to current and future needs of industry and society.
- Department has formed Society of Automotive Engineers (SAE) collegiate club which encourages the students to participate in various technical competitions.

Weaknesses:

- Lack of Industrial research and consultancy.
- Well equipped research laboratory
- Being an affiliated institute, we have limited scope for change of syllabus.
- Faculty authored text books published by renowned publishers needs to be improved.
- The faculty members need be motivated for patents, copyrights and technology transfers.

Opportunities:

- Strengthen R&D And Consultancy Activities.
- Strengthen Academic Performance Of Department.
- Strengthen the Training and placement of the Department students.
- To cater the need of Make in India.
- Opportunities for national and international collaborations, partnerships in research, education and training are high.
- To apply and obtain research funding from various national and international agencies
- To strive continuously to impart knowledge and skills of the highest Academic standard.

Challenges:

- Improvement in Students Communication and Soft Skills.
- Improve placement.
- Improvement in Curriculum, updating to fetch industrial requirement.

Future Plans:

- Enhance Industry Institute relationship
- More emphasis on industrial projects.
- Research Grants.

EVALUATIVE REPORT: -COMPUTER SCIENCE AND ENGINEERING

1. Name of the department: - Computer Science and Engineering

2. Year of Establishment: - 1988

1. Names of Programmes / Courses offered (UG, PG, etc.): -

Name of Program	Year of establishment	Intake
UG Regular (Computer Science and Engineering)	1988	120
UG Shift (Computer Science and Engineering)	2010	60
	2014	Closed
PG (Computer Science and Engineering)	2012	18

2. Names of Interdisciplinary courses and the departments/units involved:-

Sr. No.	Name of Interdisciplinary Course	Department
1	Engineering mathematics -III	Applied Science
2	Engineering mathematics -IV	Applied Science
3	Communication Skills-I	Dept. of Foreign language
4	Communication Skills-II	Dept. of Foreign language
5	Environmental science	Civil Engineering

3. Annual/ semester/choice based credit system (programme wise):-

Sr. No	Name of Program	Type
1	B.E. (Computer Science and Engineering)	Semester System
2	M.E (Computer Science and Engineering)	Choice based credit system (Elective in first two semester)

4. Participation of the department in the courses offered by other departments:-

Sr. No.	Course offered	Department
1	Computer Fundamentals(CF)-I	Department of Applied Science
2	Computer Fundamentals(CF)-II	Department of Applied Science

5. Courses in collaboration with other universities, industries, foreign institutions etc.:-

Sr. No.	Parameters	Name
1	Association with industry	- Infosys-Campus connect - IIRS Outreach Programme - Cyber Cure Solution - Smartify Solutions - A4 Technologies
2	Collaboration foreign institutions	NA
3	Collaboration with other universities.	NA

6. Details of courses/programmes discontinued (if any) with reasons:

Sr. No	Programme	Course	Reason
1	U.G	Computer Science and Engineering (2 nd Shift)	Low merit students.

7. Number of teaching post

Designation	Programme	Sanctioned	Filled
Professors	UG	2	1
	PG	1	1
Associate Professors	UG	6	1
	PG	1	-
Assistant Professors	UG	16	29
	PG	1	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.V.B. Musande	Ph.D ME- CSE BE -CSE	Professor	Remote Sensing and GIS, Soft Computing, Data Structures.	21	05*
2	Dr. M. S. Joshi	Ph.D M.E -CSE B.E - Electronics	Professor	Data Mining, Image Processing, Soft Computing	31	03+4*
3	Dr.D.S. Deshpande	Ph.D M.E-Comp. B.E- Comp.	Associate Professor	Data Mining	20	--
4	Ms. P. Kaur	M.E - CSE B.E - CSE	Asst. Prof	Remote Sensing, Data Structures & Algorithms	18.6	--
5	Dr.S. L. Kasar	Ph.D M.E - CSE B.E- Comp.	Asst. Prof	Data Mining & Machine Learning	13.5	--
6	Mr.D. K. Budhwant	M.E - CSE B.E - CSE	Asst. Prof	Mobile Computing, Networking, Software Testing, Data Mining.	18	--
7	Ms.R. M. Oberoi	M.E - CSE B.E - IT	Asst. Prof	Databases, Data Mining	12.3	--
8	Dr.J. D. Pagare	Ph.D ME- CSE BE -CSE	Asst. Prof	Image Processing, Cloud Computing.	12.5	--
9	Ms.A. B. Hussain	ME- CSE BE -CSE	Asst. Prof	Operating Systems, Data Mining	10	--
10	Ms.S. S. Date	ME- CSE BE -CSE	Asst. Prof	Computer Networking, RS & GIS	8.6	--

11	Ms.K. C. Agrwal	ME- CSE BE -CSE	Asst. Prof	DBMS,Data Mining.	12.5	--
12	Mr.S. S. More	ME- CSE BE -IT	Asst. Prof	Cloud Computing	9.5	--
13	Ms.R. D. Narwade	ME- CSE B.Tech -CSE	Asst. Prof	Remote Sensing, Soft Computing, Image Processing,	7.8	--
14	Ms.K. M. Vaishnav	ME- CSE BE -IT	Asst. Prof	Image processing & Computer Vision	7	--
15	Mr.P. S. Maniyar	ME- CSE BE -CSE	Asst. Prof	Programming, Data Mining	6.8	--
16	Ms.Varsha Ajith	ME- CSE BE -IT	Asst. Prof	DBMS, GIS and Remote Sensing.	6.8	--
17	Mr.M. C. Lokhande	ME- SE BE -CSE	Asst. Prof	Remote Sensing and Networking	6.7	--
18	Ms.P. P. Borade	ME- SE BE -CSE	Asst. Prof	Data Mining, Software Engineering	5	--
19	Mr.S. N. Naidu	ME- CSE BE -CSE	Asst. Prof	Web development, Linux.	5.5	--
20	Ms.S. B. Gaikwad	ME- CSE BE - IT	Asst. Prof	Image processing and Machine Learning	5	--
21	Ms.B. S. Gaikwad	ME- CSE BE -CSE	Asst. Prof	Remote Sensing	4	--
22	Mr.S. A. Kharat	ME- CSE BE -CSE	Asst. Prof	Remote Sensing & GIS	5	--
23	Ms.S. J. Patil	BE -CSE	Asst. Prof	Networking and Data Mining	4	--
24	Ms.T. R. Ambekar	BE -CSE	Asst. Prof	Data Mining,Web Mining	4	--
25	Mr.M. K. Ugle	BE -CSE	Asst. Prof	Web Mining	4	--
26	Mr.P. M. Adhao	M.Tech- IT BE -CSE	Asst. Prof	Internet of Things (IoT), Wireless Sensor	3	--

				Network		
27	Mr.Y. R. Tayade	ME- CSE BE -CSE	Asst. Prof	Mobile App. Development	3	--
28	Mr.S. R. Jadhav	M.Tech– CSE BE -CSE	Asst. Prof	web development, cloud computing	2.9	--
29	Mr.M. A. Gadhekar	M.E.-CSE	Asst. Prof	Cloud Computing & Web Technology	1.2	--
30	Ms.C. A. Deshpande	BE -CSE	Asst. Prof	--	3	--
31	Mr.A. R. Telgaonkar	M.Tech- CSE BE -CSE	Asst. Prof	Machine Learning, Image processing	3.4	--
32	Mr.A. V. Dusane	ME- CSE BE -CSE	Asst. Prof	Image Processing.	7	--
33	Ms.C. G. Patil	ME- CSE BE -IT	Asst. Prof	Image Processing	7	--
34	Mr.S. T. Baviskar	ME- SE BE -CSE	Asst. Prof	Cloud Computing & Web Technology	20.5	--

*: Pursuing

11. List of senior visiting faculty-NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty-

Sr. No.	Year	% of lectures delivered	% of Practical Classes handled
1	2016-17	59%	81%

13. Student -Teacher Ratio (programme wise) -

Sr. No	Program	Student /- Teacher Ratio
1	UG (BE-Computer Science and Engineering)	15:1
2	PG (ME- Masters of Computer Science and Engineering)	4:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled-

	Sanctioned	Filled
Technical support staff	-	04
Supporting staff	-	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty
Ph.D.	05
Ph.D.Registered	04
M.E./M.Tech Completed	21
M.E./M.Tech Appeared	03
B.E.	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received- 01**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

Sr. No.	Project Title	In charge Faculty	Funding Agency	Amount	Duration	Research Progress
1	Development of Hybrid Model for Detection of Heart disease from Electrocardiogram signal	Dr. S. L. Kasar	UGC	1,50,000	2014-15 onwards	Work in Progress
Total Amount =				1,50,000		

18. Research Centre /facility recognized by the University - Applied for approval of Research centre. (But recognition letter not yet received)

19. Publications:

Sr. No.	Name of Faculty	International Journals	National / International Conference	Impact Factor	h-index	Citation	Books Edited	Published book details
1	Dr.V. B. Musande	6	4	-	2	11	1	Data Structure using C
2	Dr.M. S. Joshi	31	20	-	6	100	1	
3	Dr.D.S. Deshpande	5	6	-	-	-	-	-
4	Ms.P.Kaur	3	5	-	-	-	1	Data Structure using C
5	Ms.S.L.Kasar	9	3		2	5	-	-
6	Mr.D.K.Budhwant	4	-	-	0	0	-	-
7	Ms.A.B.Hussain	1	1	-	-	-	-	-
8	Mr.S.S.More	4	-	-	-	-	-	-
9	Dr.J.D.Pagare	6	-	-	-	6	-	-
10	Ms.K.C.Agrwal	1	-	-	-	-	-	-
11	Ms.S.S.Date	1	-	-	-	-	-	-
12	Ms.R.D.Narwade	2	-	-	-	-	-	-
13	Ms.K.M.Vaishnav	1	1	-	-	-	-	-
14	Mr.P.S.Maniyar	2	1	-	-	-	-	-
15	Ms.V. Ajith	2	1	-	-	-	-	-
16	Mr.M.C.Lokhande	5	-	-	-	-	-	-
17	Ms.P.P.Borade	-	2	-	0	0	-	-
18	Mr.S.N.Naidu	2	-	-	0	0	-	-
19	Mr.P.M.Adhao	3	1	-	0	0	-	-
20	Mr.Y.R.Tayade	1	-		0	2	-	-
21	Mr.M.A.Gadhekar	1	-		0	0	-	-
22	Ms.A.H.Telgankar	2	1	-	1	2	-	-
23	Mr.S.A.Kharat	1	0		0	0	-	-
24	Ms.S.B.Gaikwad	1	-	-	-	-	-	-
25	Ms.B.S.Gaikwa	1	-	-	-	-	-	-

	d							
26	Mr.A.V.Dusane	4	2	-	1	2	-	-
27	Ms.C.G.Patil	2	1	-	2	11	-	-
28	Mr.S.T.Baviskar	2	3	-	-	-	-	-

20. Areas of consultancy and income generated

Sr. No	Course	Income Generated
1	Development of Android Application	In progress
2	Training on new technologies	30,000/-
3	Website development	In progress
4	Paperless office	In progress

21. Faculty as members in a) National committees b) International Committees c) Editorial Board

Committees	Names	No. of Faculty
National committees	CSI	09
	IEEE	04
	ACM	05
	ISTE	05
	IETE	01
	QCFI	01
	INSAAN	02
	IAENG	02
International Committees	Nil	Nil
Editorial Boards	Nil	Nil

22. Student projects

a. Percentage of students who have done in-house projects including inter departmental/programme:

Year	2015-2016	2014-2015	2013-2014	2012-2013
% In-house Projects	100%	100%	100%	100%

b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies- **Nil**

23. Awards / Recognitions received by faculty and students

Sr. No	Year	Name of Faculty	Awards/Recognition	Level of Recognition
1	2016	Dr.V.B.Musande	Bronze Partner Faculty Campus Connect	State
2	2016	Ms.R.D.Narwade	Bronze Award for Agile Workshop	State

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3	2015, 2014, 2013	Ms.Parminder Kaur	• Significant contribution Award • Longest SBC • Longest continuous SBC	National
4	2015	Dr.S.L.Kasar	UGC Project Sanctioned	State
5	2015	Ms.K.M.Vaishnav	Best paper presented	International Conference
6	2012	Mr.C.G.Patil	1 st prize paper presentation	National
7	2012 2013	Mr.S.T.Baviskar	• PMP Cerfication • ITIL V3 Foundation	International
8	2011	Mr.A.V.Dusane	2 nd prize paper presentation	State
9	2010	Dr.M.S.Joshi	Ideal Teacher Award	State

Student Achievements:

Sr. No .	Year	Name of Student	Award/Recognition	Level of Recognition	Any other information
1	2015	Mr.Kshitij Joshi	Filmfest shikhar 2015	Local	Best film award for the film 'RETURN GIFT,
2	2015	Mr.Nikhil Kashinath Phalak	TATA Institute of Fundamental Research, Mumbai	National	Selected for Tata Institute of Fundamental Research, Mumbai. & one of the student among 37 all over India.Gate Qualified. Secured 97.3% MBA CET .
3	2015	Mr.Varun Kumbhojkar	National Convention 2014	National	Awarded as Highest Committed Student Branch Activities

4	2015	Ms.Oshin Satish Mundada	Computer Science Quiz Contest	State level	1 st Winner in Marathwada & Secured Rank in TOP 10 at State Level
5	2015	K. D. Kannadkar	TECHNOVA (Code King)	State level	Runner in Technova 2015
6	2015	Pranav Kulkarni	TECHNOVA (Code King)	State level	Runner in Technova 2015
7	2015	Ms.Ambika Raina	Computer Science Quiz Contest.	State level	3 rd Prize in Quiz Contest
8	2015	Ms.Antara A Hirry	Sport :Taekwondo . All India University, Chennai.	National	National Player in Taekwondo And participated.
9	2014	Mr.Kshitij Joshi	Agnitio 2014	National	Best film award for the film 'Deva Tula Sodhu Kuthe,
10	2014	Mr.Ali Asgar Taksali	RYLA Talent Night	Local	1 st winner in Team Presentation Skit.ang runner up in group Discussion
11	2014	Mr Akash Tated	RYLAC Aptitude	Local	1 st Winner of C Programming Aptitude.and 1 st Winner in Ledear representation. In RYLA
12	2014	Mr.Ali Asgar Taksali	RYLA Talent Night	Local	1 st winner in Team Presentation Skit.ang runner up in group Discussion.
13	2014	Krisna Sharma	KALASHRAYA (Kho-Kho)	Local	Winner
14	2014	Krisna Sharma	KALASHRAYA (Dance)	Local	Winner
15	2013	Hurpade PiyushVina y	GATE Qualified all over India	National	all over india rank 18. marks obtain out of 100 is 75.56.

16	2013	Rajashree Kale Tanaya Jadhav	AGNITIO- pallet and paper	National	Winner
17	2013	Nupur Paralkar	Paper Presentation, COMPSAFES T-4, Technical Event, GECA	Local	Winner
18	2013	Chinmayee Tapaskar, Kiran	Debate Competition, RYLA	Local	Won First Prize
19	2013	Rahul Gunjal, Nikhil Dafale	C-Pulse, Spradica-13, National Level Technical Championship, GECA	National	Won First Prize
20	2013	Nutan Ganorikar	Technical Event, Paper presentation, PES college of Engg	Local	Won First Prize
21	2012	Tanaya Jadhav	Austrailian National Chemistry	Local	Winner

24. List of eminent academicians and scientists / visitors to the department

Sr. No	Year	Name
1	2016	Dr. Makrand Kanjalkar, MBBS, MD, DM GMCH Aurangabad
2		Mr. Adv. Shrinivas Kulkarni ,High Court Bombay Bench
3		Amit Nair, Data Engineer , Facebook and Aditya Manocha ,Entrepreunuer (JNEC Alumuni)
4		Mr.Sangeet Chopra,CyberCure Technologies Pvt Ltd
5	2015	Mr.Harshal Mete, IAS, Revenue Department
6		Mr. Kaustubh BhARBade, HR, Persistent
7		Mr. Satish Chirputkar
8		Mr.Rahul Tyagi,Associate VP,Lucideus Tech Pvt Ltd,Delhi
9	2013	Ms.Sheetal Soni, IBM
10		Dr.Achyhut Godbole
11		Dr.K.V.Kale,Professor, Dr.BAMU
12		Mr.Sangeet Chopra,CyberCure Solutions

**25. Seminars/ Conferences/Workshops organized & the source of funding a)
National b) International**

Guest Lectures:				
Sr. No	Year	Name of Resource person	Topic of Lecture talk/Guest Lecture	Source of funding
1	2016-17	Mr.Nishant Totla, Software Engineer at Docker ,Inc	Opportunities after graduation.	Self-Financed
2		Dr. Makrand Kanjalkar	Spiritual Health.	Self-Financed
3		Mr.Piyush Kocheta(Alumni)	Sofskills.	Self-Financed
4		Mr.Piyush Hurdade(Alumni)	Alumni interaction and higher studies.	Self-Financed
5	2015-16	Mr. Rahul Tyagi , AVP,Lucidues Tech Pvt Ltd,Delhi	Cyber Security and Hacking	Self-Financed
6		Dr. Makrand Kanjalkar	Spiritual Health	Self-Financed
7		Mr. Adv. Shrinivas Kulkarni	Professional Ethics and Cyber Laws	Self-Financed
8		Amit Nair and Aditya Manocha	Career opportunities & Startups	Self-Financed
9		Ms. Samidha Garud, Doc 'n' Me	Entrepreneurship Development	Self-Financed
10		Vishwarya Consultancy	Education Abroad	Self-Financed
11		Mr.Aarif Shaikh	What after Graduation	Self-Financed
12	2014-15	Dr.M.Kanjalkar,MBBS,MD , DM, GMCH Aurangabad	Spiritual Health-Neurologist View	Self-Financed
13		Mr.Sushant Chalipat,VP, Deutsche Bank ,London (Alumni)	How to succeed in career	Self-Financed
14		Mr.Sangeet Chopra, CuberCure solutions	Cyber Forensics and IT security	Self-Financed
15		Mr. Satish Chirputkar,	Selfie Talkie	Self-

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		Counsellor		Financed
16	2013-14	Mr.Jasmeet Chhabra from Lotus center for professional studies and research,Pune	Personality Grooming	Self-Financed
17		Mr.Sarfaraz Khan, SFK Infotech Pvt Ltd.	Certification and their importance	Self-Financed
18	2012-13	Mr.Jasmeet Chhabra from Lotus center for professional studies and research,Pune	Orientation on Campus Recruitment preparation	Self-Financed
19		Mr.Krunal Patel, MD,Time Institute A'bad	Future Career Opportunities	Self-Financed
20		Mr.Satyanarayan, SSI ,A'bad	Android OS	Self-Financed
21		Ms.Archana harke,MGM-Biotech	Sunsolaris	Self-Financed
22		Dr. Achyut Godbole	Faculty Interaction	Self-Financed
23		Mr.Satish Tambat, GATE Forum,A'bad	GATE Awareness	Self-Financed
24		Dr.N.B.Shah	Science in Naturopathy	Self-Financed
25		Ms.Prajakta, iMobile ,Pune	Linux fundamentals	Self-Financed

Workshop:

Sr. No	Year	Name of Resource Person	Topic of Workshop/STTP	Source of funding
1	2016-17	Mr.Sangeet Chopra, Cyber Cure Solutions	Workshop on IOT and CISS	Self-Financed
2	2015-16	CSE (Departmental Activity)	Model Exhibition & competition by COMPSA	Self-Financed
3		CSE (Departmental Activity)	Dreams 2020 career exhibition	Self-Financed

4		Mr.Sangeet Chopra, Cyber Cure Solutions	Workshop on Cyber forensics and Information security.	Self-Financed
5		Computer Society of India	Laptop Junkyard	Self-Financed
6	2014-15	Mr.Jasmeet Chhabra from Lotus center for Professional Studies and Research	Personality Grooming and Leadership building	Self-Financed
7		Mr.Sangeet Chopra, Cyber Cure Solutions	Workshop on Cyber forensics and Information security.	Self-Financed
8		Mr.Sarfaraz Khan , SFK infotech ,A'bad	Oracle OCP (SQL and PL/SQL training)	Self-Financed
9	2013-14	Dr. Haridas Acharya,Professor , Allana Institute of Management Science ,Pune	Data warehousing and Data mining	Self-Financed
10		Dr.V.B.Musande, Dr.Arjun Mane, Dr.A.V.Nandedkar,SGGS,Nanded,Dr.U.A.Deshpande,V NIT, Nagpur, Dr.U.V,Kulkarni,SGGS , Nanded	Soft Computing Workshop	Self-Financed
11		Mr. JasmeetChhabra from Lotus center for professional studies and research,Pune	Personality Grooming and Leadership building.	Self-Financed
12		Mr. JasmeetChhabra from Lotus center for professional studies and research,Pune	Orientation on Campus Recruitment preparation	Self-Financed
13		Mr.Akshay Deo, CTO of Start-up Company, Pune	Android Workshop	Self-Financed
14		Mr.Sarfaraz Khan and Mr.Shoaib Ghachi SFK infotech ,A'bad	Java, PL/SQL & XML and ADO.net	Self-Financed
15		Mr.Sangeet Chopra, Cyber Cure Solutions	Two days workshop on Network Security and Cyber Forensics	Self-Financed

16	2012-13	Mr.Satyajit Jadhav, MGM Journalism ,Abad	Multimedia	Self-Financed
17		Mr.Satyanarayan, SSi Aurangabad	Android OS	Self-Financed
18		IBM Centre of Excellence	Lotus Domino 8 mail server	Self-Financed

26. Student profile programme/course wise:

16. Student profile programme/course wise:					
Year	Applications received	Selected	B.E.		Pass %
			M	F	
2015-16	The admissions made as per the rules and regulations of D.T.E. and the affiliating University		53	110	92.23
2014-15			78	87	97.90
2013-14			78	108	90.30
2012-13			50	52	98.03

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States
Computer Science and Engineering	2016-17	98.04%	1.94%
	2015-16	98.49%	1.50%
	2014-15	97.76%	2.23%
	2013-14	99.17%	0.82%
	2012-13	99.29%	0.78%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Year	Nature of Exam	No of Students
2016-2017	GATE	05
2015-2016	GATE/GRE	01/01
2014-2015	GATE	NIL
2013-2014	GATE	08
2012-2013	GATE	05
2011-2012	GATE	07

29. Student progression

Student progression %	2015-16 (%)	2014-15(%)	2013-14(%)	2012-13(%)
UG to PG	-	4	7	17.1
PG to Ph.D.	Nil	Nil	Nil	Nil
Employed - Campus selection	50.45	21.42	29.76	27.63
- Other than campus recruitment	-	20	23	36
Entrepreneurship	Nil	Nil	02	01

30. Details of Infrastructural facilities
a) Library :Statistical information of Library books

Sr. No	Course Name	No. of Titles available	No. of Vols. Available	No. of Print journals
1	BE (CSE)	1649	7816	12
2	M.E.(CSE)	118	553	5

b) Internet facilities for Staff & Students

Computer and internet facility are made available to staff and students. Internet facility is available on 246 terminals at the ratio of 1:1 (Computer-Student ratio).

c) Class rooms with ICT facility

Number of Class rooms: 06 (out of which one is digital class room equipped with LCD projector and one PC.) Two more LCD projectors are available

d) Laboratories :

Sr. No.	Name of the Lab	Major Equipments in the Lab.	No. of PC's Available	Cost in Lakhs
1	Cloud Computing Lab	Core i3, 4th Gen. PC's -3.6Ghz/8GB RAM/500GB HDD/18.5" Color TFT Display	20	7.75
2	Mobile Computing Lab	Core i3, 4th Gen. PC's -3.6Ghz/8GB RAM/500GB HDD/18.5" Color TFT Display	20	8.16
3	Data Mining Lab	Dual Core, 4th Gen. PC's -2.93 Ghz/2GB RAM/500GB HDD/18.5" Color TFT Display	20	8.25

4	Data Structure Lab	P-IV-Core2Duo/ 2.93Ghz/ 1GB RAM/ 320GB HDD/ 17" Color TFT Display	20	6.83
5	Computer Network Lab	P-IV-Core2Duo/ 2.93Ghz/ 1GB RAM/ 320GB HDD/ 17" Color TFT Display	20	6.83
6	Data Base Lab	P-IV-Dual Core/ 2.6Ghz/ 1GB RAM/ 160GB HDD/ 15" Color TFT Display	20	6.52
7	Sys. Dev. Lab	P-IV-Core2Duo/ 2.93Ghz/ 2GB RAM/ 500GB HDD/ 19" TFT Display	20	6.06
8	Obj. Ori. Prog. Lab	P-IV-Core2Duo/ 2.93Ghz/ 2GB RAM/ 500GB HDD/ 19" TFT Display	20	5.95
9	Project Lab	Dual Core, 4th Gen. PC's -2.93 Ghz/2GB RAM/500GB HDD/18.5" Color TFT Display	20	8.86
10	Graphics & Multi. Lab	Dual Core, 4th Gen. PC's -2.93 Ghz/2GB RAM/500GB HDD/18.5" Color TFT Display	20	8.89
11	PG Lab	P-IV Core2Duo/2.43GHZ/2GB RAM/500GB HDD/14" TFT Display	20	4.79

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic year	College	University	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	07	--	100	69	97	13	01	51
2014-15	10	--	114	69	125	15	02	64
2013-14	12	--	104	74	113	11	08	66

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:

Sr. No.	Year	No. of Guest Lecture	No of Industrial Visit	No. of Workshops
1	2016-17	04	1	1
2	2015-16	07	2	3
3	2014-15	04	1	3
4	2013-14	02	1	8
5	2012-13	08	2	3

33. Teaching methods adopted to improve student learning

Innovative Technique for Teaching Learning	Meaning
Use of ICT	Visual Aids (Video Lectures, PPT, Webinars)
Collaborative Learning	Group Discussion/Group Activity, Mini/Minor Projects
Show and Tell (Z to A approach)	Reversing Student Roles ,For e.g. Models, Charts
Case Studies	Bringing “Real-Life” Scenarios into the Classroom
Demonstration	Introducing Practical Design/Demonstration Experience in Classrooms
Roleplay	Assume the attitudes, actions, and discourse of concept.
The Flowchart Technique	Making Students Think Deeper
Open-Ended Labs	Organizing the Flow of Thought
Open-Ended quizzes	Moving Students Away From Memorization
Brain storming/puzzles/quiz	Encouraging Creativity

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- NSS Activities
- Swachhata Abhiyaan
- Gandhi Jayanti
- Blood Donation Camp
- Reader’s Day -15th Oct
- Parade(26th Jan and 15th Aug)

35.SWOC analysis of the department and Future plans

- **Strength**
 - Enthusiastic as well qualified faculty members with complete dedication towards teaching learning process.
 - Successful Alumnus.
 - Good Infrastructure with all facilities and resources.
 - Co-curricular activities, workshops & seminar’s to improve knowledge as per industry trends.
 - Campus placements for students.
- **Weakness**
 - Tools training required according to changes in IT Industry.
 - Relative less number of Sponsored projects.

- Relative less number of real time projects.
- Lack of research and development approach in faculty and students.
- **Opportunities**
 - Tie-up with industries for live projects.
 - Freedom to work for various activities outside.
 - Inplant training.
 - Research & Development on latest technologies.
- **Challenges**
 - Developing entrepreneurs out of students.
 - Lack of industry exposure leads to poor quality of projects.
 - Inculcate research oriented approach in faculty.
 - Developing communications skills in students.

Future Plans:

- Focus on logic development, communication skill through various teaching learning process to enhance result and placement ratio.
- To put more emphasis on consultancies through ongoing software projects like Android application, websites , paperless office.
- To keep abreast with current technologies by attending and organizing Short term training programs (STTP).
- Enhance Industry Institute relationship.
- Encourage research and development approach in faculty and students.

EVALUATIVE REPORT-INFORMATION TECHNOLOGY

1. Name of the department: Information Technology

2. Year of Establishment: 2001

3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Name of Program	Year of establishment	Intake
UG (Information Technology)	2001	60

4. Names of Interdisciplinary courses and the departments/units involved:

Sr.No.	Name of Interdisciplinary Course	Department
1	Communication Skills	Department of Foreign language
2	Engineering Mathematics-III,IV	Applied Science
3	Environmental Science	Civil Engineering

5. Annual/ semester/choice based credit system (programme wise):

Sr. No.	Name of the programme	Type
1.	B. E. (IT)	Semester System
2	FE	Choice Based Credit System since 2016-17

6. Participation of the department in the courses offered by other departments:

Sr. No.	Name of the department / Programme	Course name
1	Department of Computer Science	ME(CSE)
2	Department of Applied Science	Computer Fundamentals
3	Department of Biotechnology	Computational Technologies

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Sr. No.	Name of Courses/Industry	Type
1	RedHat Technologies	Certification courses
2	Infosys	Campus connect 5.0
3	A4 Technologies	Project based training

8. Details of courses / Programmes discontinued (if any) with reasons: Nil

9. Number of Teaching Posts:

Teaching Post	Sanctioned	Filled
Professor	01	00
Associate Professor	03	01
Assistant Professor	08	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.)

Sr No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Mr. S. N. Jaiswal	ME (CSE), BE (CSE)	HOD, Asst. Prof., Lecturer(SG),	DBMS, DWDM	24	NA
2	Dr. S. C. Tamane	Ph.D. (CSE), ME (Computer), BE(CSE)	Associate Professor,	Cloud Computing, Big Data, Algorithms, DBMS	20	05*
3	Ms. V. K. Ahire	ME (CSE), BE(CSE)	Asst. Professor,	DIP, SP, OOPS, PIJ, PR, DWDM, GIS	15.9	NA
4	Ms. S. N. Bhasme	BE(CT), ME (CSE)	Asst. Professor	DMS, CSSL, OOAD	12.5	NA
5	Mr. A. M. Mohsin	ME (CSE), BE(CSE)	Asst. Professor	SE, GIS, MMC, STQA	12.5	NA
6	Ms. V. S. Hanmante	ME (CSE), BE (CSE)	Asst. Professor	CN, DE, DS, ASP.NET	9.5	NA
7	Ms. S. A. Dongre	ME (CSE), BEIT	Asst. Professor	DS, MP, OS, DE, NS	08	NA
8	Mr. A. C. Karve	ME (CSE), BEIT	Asst. Professor	TOC, CN, EIS,	8.3	NA
9	Mr. A. A. Mahadik	ME (CSE), BEIT	Asst. Professor	OSL, Android, OSL, OOPS, Mainframes	7.7	NA
10	Ms. M. B. Kawarkhe	ME (CSE), BE (CSE)	Asst. Professor	DAA, DS, CN,C language	06	NA

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11	Ms. L. M. Jadhav	BEIT MECSE	Asst. Professor	CG, USP, MMC	6.5	NA
12	Ms. S. S. Wanegaonkar	BEIT	Asst. Professor	CG,MMC	4	NA

*: Pursuing

11. List of senior visiting faculty:

Sr. No.	Name	Objective
1	Amit Rana	Practical on IOT
2	Neeraj Balchandani	Preparing students for aptitude test.

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty*:

Sr. No.	Programme	Percentage of lectures delivered	Percentage of practical classes
1	B.E. Information Technology	36%	58%

13. Student -Teacher Ratio (Programme wise):

Sr. No.	Programme	Student : Teacher ratio
1	B.E. Information Technology	18 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic Support Staff(Tech.)	-	04
Supporting Staff	-	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr. No.	Qualification	No. of Teaching Faculties
1	Ph.D.	01
2	PG (M.E./M. Tech).	10
3	BE	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Project Title	In charge Faculty	Funding Agency	Amount	Duration	Research Progress
1	Minor Research Project Title : Voice Guidance System for Visually Impaired Persons	Dr. S.C. Tamane	UGC	Rs. 1,30,000/-	Approved on 13/01/2015	Work in Progress

18. Research Centre /facility recognized by the University: Approved Ph.D. center by Dr.Babasaheb Ambedkar Marathwada University. NIL
19. Publications:

Sr.No.	Name of the Staff/ Student	Publication per faculty/ Student	Number of papers published by faculty and students in peer reviewed journals	Monographs/ Chapter in Books/ Books Edited/ Books with ISBN/ISSN numbers with details of publishers	Citation Index	Impact factor (Max)	h-index
1	Mr. S N Jaiswal	03	--	--	--	--	-
2	Dr. S C Tamane	31	--	1)* Chapter: 01 2)* Text Book: 01 3)* Book Edited: 01	24	5.8	3
3	Ms. VKAhire	06	--	--	21	2.25	2
4	Ms. S N Bhasme	01	--	Text Book: 01	--	--	-
5	Mr. AMMohsin	01	--	--	--	--	-
6	Ms. VSHanmante	01	--	--	--	--	-
7	Ms. SADongre	01	--	--	--	--	-
8	Mr. AC Karve	02	--	--	--	2.25	-
9	Mr. A AMahadik	01	--	--	--	0.9	-
10	Ms. M B Kawarkhe	02	--	--	--	--	-
11	Ms. LMJadhav	02	--	--	--	1.9	-
12	Ms. S SWanegaonkar	-	-	-	-	-	-

1)* Chapter: 01 (Chapter Title: The Basics of Big Data and Security Concerns in the edited book Privacy and Security Policies in Big Data, published by IGI Global, USA, ISBN13:

9781522524861|ISBN10: 152252486X|EISBN13: 9781522524878|DOI: 10.4018/978-1-5225-2486-1).

2)* Text Book: 01 (Data Structures using C, published by VidyarthiBhandar, Aurangabad)

3)* Books Edited: 01 (Book Title: Privacy and Security Policies in Big Data, published by IGI Global, USA, ISBN13: 9781522524861|ISBN10: 152252486X|EISBN13: 9781522524878|DOI: 10.4018/978-1-5225-2486-1).

20. Areas of consultancy and income generated: NIL(no income generated)

Sr. No.	Name	Training
1	FACE	For Campus Selection
2	CRT	For Campus Selection
3	RedHat Certifications Courses	For Campus Selection

21. Faculty as members in:

- National committees:**
- International committees:** Dr.S.C.Tamne, Session chair and Recognized award of Appriciation in ICTCS, Udaypur, 4-5 March 2016
- Editorial boards:** Dr S.C Tamane : Member and Reviewer of Editorial Board American Association for science & technology (AASCIT) From 10th January 2015, Editorial Board Member in SCIREA Journal of Computer, Science Research Association From April 2017.

Sr. No.	Name of Professional Bodies	No. of Faculty
1	Compter Society of India(CSI)	02
2	Indian Society for Technical	02
3	IEEE	01
4	IETE	01
5	ACM	05
6	CSTA	10
7	IAENG	10
8	HDUG	01

22. Student projects

- Percentage of students who have done in-house projects including inter-departmental programme:

Sr. No	Year	In house Projects (%)
1	2016-17	80
2	2015-16	80
3	2014-15	90
4	2013-14	100
5	2012-13	100

- b. Percentage of students placed for projects in organizations outside the institution i.e. in research laboratories, industry or other agencies:

Sr. No	Year	Sponsored Projects (%)
1	2016-17	20
2	2015-16	20
3	2014-15	10
4	2013-14	00
5	2012-13	00

23. Awards/recognition received by faculty and students:

Sr. No.	Name of Faculty	Award/ Recognition
1	Dr. S. C. Tamane	Bronz Partner Faculty, Under Inspire Campus Connect by Infosys, Pune 28 Jun 2016
2	Mr. S. N. Jaiswal	
3	Mr. A. C. Karve	
4	Dr. S. C. Tamane	IBM, Rational Application Developer.
5	Mr. S. N. Jaiswal	IBM, Rational Application Developer, IBM Certified Database Associate (DB2)

24. List of eminent academicians and scientist / visitors to the department :

Sr.No	Name	Designation/objective
1	Alok Sinha	CEO at GLobus 8, united states
2	Anuj Jajoo	Lecture talk on STQA And AM, Infosys
3	Mahesh Kulkarni	A4 technologies
4	Amol Kokate	TCS
5	Gajanan Kulkarni	SBH
6	Alok Ratnaparkhe	IBM
7	Anup Kabra	Inauguration of JITSA
8	Sachin Muley	Entrepreneur.
9	Sandip Pathak	Indian Internet Solutions Pvt. Ltd. In Aurangabad
10	Kishor Desarda	Industrialist.
11	Mr.Kaustubh Bhargade	HR, Persistent
12	Pradip Masani	Alumni get togeher
13	Rajesh Sethi	Alumni get together
14	Virat Giri	Alumni get together
15	Amit Dixit	Alumni get together
16	Roshani Raut	Alumni get together
17	Sham Soni	Alumni get together
18	Dr. Sachin Deshmukh	Professor, Dept. of Computer Science.

25. Seminar / conference / workshop organized and the source of funding:

Sr No	Year	Event	Topics	Venue	Source of Funding
1	2015-16	Faculty Induction Program	Teaching Methodology	JNEC	Self-Financed
2		Faculty Induction Program	teaching skill	JNEC	Self-Financed
3	2014-15	NITTTR Workshop	“Computer network using windows server”	IT Dept,JNEC, A’bad	Self-Financed
4	2013-14	Workshop	National Programme Technology Enhanced Learning (NPTEL)	Einstein Hall	Self-Financed
5		Workshop	Faculty development Programme by Wipro Misson 10X	JNEC, Aurangabad	Self-Financed
6	2012-13	NITTT Workshop	Technical Teacher’s Training Programme Phase-I, Bhopal (Online program)	Central Computer Lab, JNEC, A’bad	Self-Financed
7		Faculty Development Programme	Faculty Development Programme	Einstein Hall	Self-Financed

STTP/Workshops

Sr No	Year	Event	Topics	Venue	Source of Funding
1	2015-16	Faculty development program	Android OS	IT Dept. JNEC	Self-Financed
2		Technical Workshop	“Soft skill, Big data & hacking”	JNEC	Self-Financed
3		Workshop	“Principles of Research Methods”	JNEC	Self-Financed

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4	2014-15	Workshop	Oracle SQL Experts	IT Dept.	Self-Financed
5		Workshop	“Basics of UNIX” by Prof. Anand Khatri	IT Dept, JNEC	Self-Financed
6	2013-14	Workshop	C Programming	IT Dept	Self-Financed
7		Workshop	Soft Computing	JNEC, A’bad	Self-Financed
8		Workshop	UNIX & Shell Programming	IT Dept, JNEC	Self-Financed
9	2012-13	Workshop	Effective Teaching-Learning for ‘Engineering Mechanics’ and ‘Basic Electrical Engineering./ Electrical and Electronics Engineering	Einstein Hall JNEC, A’bad	Self-Financed
10		Training Program	Lotus Domino – IBM Tool	IT Dept.	Self-Financed
11		Training Programme	“Rational Application Developer (IBM Tool) ”	Aryabhata Hall, JNEC, Aurangabad	Self-Financed
12		Training program	Principles & Practices of Learning: Felder’s Learning Dimensions by Infosys Faculty	Aryabhata Hall, JNEC, Aurangabad	Self-Financed

Refresher Courses

Sr No.	Year	Event	Topics	Venue	Source of funding
1	2015-16	Workshop	“Communication Skill”	JNEC	Self-Financed
2		Lecture Talk by Sayali Sanjekar	“Communication Skill”	JNEC	Self-Financed

3	2012-13	Workshop	Effective Teaching-Learning for ‘Engineering Mechanics’ and ‘Basic Electrical Engineering./ Electrical and Electronics Engineering	Einstein Hall JNEC, A’bad	Self-Financed
4		Training Program	Lotus Domino – IBM Tool	IT Dept.	Self-Financed
5		Language Enrichment program	Language Enrichment program	MGM’s Foreign Language Dept, A’bad	Self-Financed

26. Student profile programme/ course wise:

Year	Applications received	Selected	B.E. (Enrolled)		Passing %
			M	F	
2015-16	The admissions made as per the rules and regulations of Directorate of Technical Education and the affiliating University		21	37	89.66
2014-15			25	41	100
2013-14			46	44	78.89
2012-13			47	32	98.73
2011-12			34	28	100

27. Diversity of Students

Name of the course	Year	% of students from the same state	% of students from other states
Information Technology	2015-16	99	1
	2014-15	99	1
	2013-14	98	2
	2012-13	99	1

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

	2012-13	2013-14	2014-15	2015-16
GATE	-	-	-	3
Civil services	-	-	-	-
TOEFL/IELTS	-	-	1	-
GRE	-	-	1	-

29. Student progression

Student progression %	2015-16	2014-15	2013-14	2012-13
UG to PG	3 %	6%	6%	5%
PG to Ph.D.	-	-	-	-
Employed Campus selection	46.15%	58.13%	24.24%	26%
Other than campus recruitment	--	13 %	14 %	20%

30. Details of infrastructural facilities:

a. Library(Journals,e-book)

Sr. No	Course Name	No. of Titles available	No. of Vols. Available	No. of printed journals
1	BE (Information Technology)	919	4662	6

b. Library: College central library

Internet facilities for staff and students: Every laboratory has been provided with an internet connection(Lease Line through Fibre Optic backbone)

c. Class rooms with ICT facility:

Two classrooms and all computer laboratories are provided with internet facility. The class rooms are spacious and well equipped with the necessary infrastructure (LCD projectors, Audio/video visual aids with internet etc.) making it conducive to teaching & learning.

d. Laboratories: 10

Sr. No.	Name of the Lab with Area	Major Equipments in the Lab.	No. of pcs Available	Amount spent still date
1	Open Source (44.22 Sq.M.)	Desktop PCs HP Intel Pentium G3250 3.2 , 2 GB RAM, 500 GB HDD, Monitor, Keyboard, Switch, Stabilizer etc.	20	474675
2	Project (44.22 Sq.M)	Desktop PCs HP Intel Pentium G3250 3.2 , 2 GB RAM, 500 GB HDD, Monitor, Keyboard, Switch, Stabilizer etc.	20	479205
3	Web development (44.22 Sq.M.)	Desktop PCs Lenovo Intel Pentium IV, 512 M GB RAM, 80 GB HDD, Monitor, Keyboard, Switch, Stabilizer etc.	20	422275
4	Software Engg. (44.22 Sq.M)	Desktop PCs Lenovo Intel Pentium IV, 512 M GB RAM, 80 GB HDD, Monitor, Keyboard, Switch, Stabilizer ect.	20	1087722
5	Hardware Interfacing (44.22 Sq.M.)	Desktop PCs Lenovo Intel Pentium IV, 512 M GB RAM, 80 GB HDD, Monitor, Keyboard, Switch, Stabilizer etc.	15	349617
6	Database (42.4Sq.M.)	Desktop PCs HP Intel Pentium G3250 3.2 , 2 GB RAM, 500 GB HDD, Monitor, Keyboard, Switch, Stabilizer ect.	20	479205
7	Software Development (42.4 Sq.M)	Desktop PCs HP Intel Pentium G3250 3.2 , 2 GB RAM, 500 GB HDD, Monitor, Keyboard, Switch, Stabilizer ect.	20	474675
8	Multimedia (42 Sq.M.)	Desktop PCs Dell 380 Intel Pentium G3250 3.2 , 4 GB RAM, 500 GB HDD, Monitor, Keyboard, Switch, Stabilizer ect.	20	595042
9	Computer Graphics (42 Sq.M)	Desktop PCs Dell-360 Intel Pentium , 1 GB RAM, 500 GB HDD, Monitor, Keyboard, Switch, Stabilizer ect.	26	679847
10	Data Structure (42 Sq.M)	Desktop PCs Dell-360 Intel Pentium , 1 GB RAM, 500 GB HDD, Monitor, Keyboard, Switch, Stabilizer ect.	20	732825
		Total	201	5775088

31. Number of students receiving financial assistance from the college / university / government or other agencies:

Academic year	College	University	Government					
			SC	ST	OBC	VJ/NT	EBC	SBC
2015-16	01	--	39	00	38	28	64	06
2014-15	03	--	33	01	58	30	64	08
2013-14	05	--	36	03	67	30	63	06

32. Details on student enrichment programmes:

Year	Number of Guest Lecture	Number of Workshop	Number of Industrial Visit
2015-16	06	01	-
2014-15	02	03	01
2013-14	02	12	02
2012-13	04	04	-

33. Teaching methods adopted to improve student learning:

Innovative Technique for Teaching Learning	Meaning
Use of ICT	Visual Aids (Video Lectures, PPT, Webinars)
Collaborative Learning	Group Discussion/Group Activity, Mini/Minor Projects
Show and Tell (Z to A approach)	Reversing Student Roles ,For e.g. Models, Charts
Case Studies	Bringing “Real-Life” Scenarios into the Classroom
Demonstration	Introducing Practical Design/Demonstration Experience in Classrooms
Roleplay	Assume the attitudes, actions, and discourse of concept.
The Flowchart Technique	Making Students Think Deeper
Open-Ended Labs	Organizing the Flow of Thought
Open-Ended quizzes	Moving Students Away From Memorization
Brain storming/puzzles/quiz	Encouraging Creativity

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- NSS activities.
- Blood donation camp
- Swachhatha Abhiyaan.
- Tree Plantation
- Path Natya on Water conservation.

35. SWOC analysis of the department and Future plans:

Strengths:

- Well qualified faculties .One faculty with PhD .
- Well Equipped Laboratories. IOT Lab
- Red Hat Academy
- Excellent discipline and motivational culture.
- Students motivated to participate in technical and social activities.
- Mou with industries.
- JITSA Student Association

Weakness:

- Scope for more industry sponsored projects
- Inadequate Technical and administrative Staff.

Opportunities:

- Preparing employable engineers to face the challenges (Present and future).
- To motivate students to appear for Competitive exams like G.A.T.E., M.P.S.C., G.R.E. etc.
- To become Centre of Excellence in major areas .
- Improvement in consultancy work.
- To hire well qualified faculties.
- To hire skilled technical and administrative staff.

Challenges:

- Unwillingness of well qualified people to work in teaching field.
- Unwillingness of technical people to work in educational institution.
- Inadequate response from students for project Development.

Future plan

- Increasing Placement ratio.
- Provide consultancy services to the community.
- To become Center of Excellence in the field of IT.
- To enhance industry –Institute interaction.
- Focus on Application based research projects

EVALUATIVE REPORT-ELECTRONICS AND TELECOMMUNICATION ENGINEERING

1. Name of the department: Electronics and Telecommunication Engineering

2. Year of Establishment: 1983

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Name of Program	Year of Establishment	Present Intake
UG(Electronics and Telecommunication Engineering)	1983	120
PG (Electronics)	2000	25

4. Names of Interdisciplinary courses and the departments/units involved:

Sr. No.	Name of Interdisciplinary Course	Department
1	Engineering Mathematics-III & IV	Applied Science
2	Communication Skills	Dept. of Foreign language
3	Electrical Measurements and Instrumentation	EEP Department
4	Robotics	Mechanical Department
5	Environmental Science	Civil Department

5. Annual/ semester/choice based credit system (program wise):

Sr.No.	Name of the Program	Type
1	First Year	Choice based credit system
2	SE to BE (Electronics and Telecommunication)	Semester system
3	ME (Electronics)	Choice based credit system

6. Participation of the department in the courses offered by other departments:

Sr. No.	Name of the department / Programme	Course name
1	Department of Applied Science	Basic Elements of Electronics

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL

8. Details of courses/programs discontinued (if any) with reasons:

Sr. No	Name of the Programme	Reason
1.	UG (Second Shift)	Large amount of new institutes were set up in and around the district which resulted in merging the students belonging to their localities. Students living near these institutes got admitted themselves. Therefore, the institute decided to close the second shift of CSE, MECH, ECT, and EEP branches in the year 2014-15.

9. Number of teaching posts

Teaching Post (UG)	Sanctioned	Filled
Professor	3	2
Associate Professor	6	2
Assistant Professor	19	27
Teaching Post (PG)	Sanctioned	Filled
Professor	1	1
Associate Professor	2	2
Assistant Professor	1	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr. No	Name of Faculty	Qualification	Designation	Specialization	Experience (yrs)	Number of PhD students guided for last 4 years
1	Mr. J. G. Rana	M. E. (EC)	Professor and Head	Electronics	29	NA
2	Dr. R D Kokate	M.E.(Instru.), Ph.D.	Professor	Control System	26	05*
3	Mr. F.I.Shaikh	M. Tech. (EDT)	Professor	Electronic Design Technology	28	NA
4	Dr. V.B. Malode	M. Tech (EDT), Ph. D.	Associate Professor	Electronic Design Technology	22	4*
5	Dr. S.N. Pawar	M. Tech (EDT), Ph. D	Associate Professor	Electronic Design Tech.	24	NIL

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6	Dr. S. A. Naveed	M.E.(EPS), Ph. D.(EEE)	Associate Professor	Electronic Power System	13	NIL
7	Mr. G. R. Gidveer	M.E. (EC)	Associate Professor	Electronics	40	NA
8	Dr. V.A. More	M.E. (DT&I), Ph. D.	Associate Professor	Digital Technique and Instrumentation	19	NA
9	Ms.V. A. Kulkarni	M. Tech (EDT)	Assistant Professor	Electronic Design Technology	25	NA
10	Mr. S. A. Annadate	M.E. (EC)	Assistant Professor	Electronics	24	NA
11	Mr. R.N.Moghe	M. Tech	Assistant Professor	Communication Engineering	44	NA
12	Ms. A. P. Phatale	M. E. (EC)	Assistant Professor	Electronics	14	NA
13	Ms. A. R. Salunke	M. E. (EC)	Assistant Professor	Electronics	11	NA
14	Ms. C. S. Khandelwal	M. E. (EC)	Assistant Professor	Electronics	18	NA
15	Mr. S. D. Jadhav	M. E. (EC)	Assistant Professor	Electronics	10	NA
16	Ms. M. A. Mulay	M. E. (EC)	Assistant Professor	Electronics	10	NA
17	Ms.S. D. Gavraskar	M. E. (EC)	Assistant Professor	Electronics	15	NA
18	Mr. M. K. Pawar	M. E. (EC)	Assistant Professor	Electronics	08	NA
19	Ms.P. B. Murmude	M. E. (EC)	Assistant Professor	Electronics	07	NA
20	Mr. A.V. Khake	M. E. (EC)	Assistant Professor	Electronics	07	NA
21	Ms. S.D. Giri	M. E. (EC)	Assistant Professor	Electronics	04	NA
22	Ms. S. R. Rajmane	M. E. (EC)	Assistant Professor	Electronics	07	NA
23	Ms. S. G. Suraywanshi	M. E. (EC)	Assistant Professor	Electronics	03	NA

24	Ms.A.A.Sayar	M. E. (EC)	Assistant Professor	Electronics	03	NA
25	Mr.A.G.Patil	M. Tech. (ESC)	Assistant Professor	Embedded System	03	NA
26	Mr.T.A.Mohije	M. Tech. (EDT)	Assistant Professor	Electronic Design Technology	03	NA
27	Mr.V.V.Kashti	M. E. (VLSI)	Assistant Professor	VLSI	03	NA
28	Ms.S. J.Tupe	M. E. (EC)	Assistant Professor	Electronics	03	NA
29	Ms.S. J. Deshmukh	M. Tech. (EDT)	Assistant Professor	Electronic Design Technology	02	NA
30	Ms.P. B. Yadav	M. E. (EC)	Assistant Professor	Electronics	04	NA
31	Ms.V.P. Yadav	M. E. (VLSI & ES)	Assistant Professor	Embedded System and VLSI	03	NA
32	Mr. V. V. Ukarande	M. E. (EC)	Assistant Professor	Electronics	05	NA
33	Ms. P. R. Shirpewar	M. E. (EC)	Assistant Professor	Electronics	02	NA
34	Ms. P. P. Patil	M. E. (EC)	Assistant Professor	Electronics	02	NA
35	Mr.V. J. Lipne	M. Tech. (ES & VLSI)	Assistant Professor	Embedded System and VLSI	04	NA
36	Mr. G. R. Bhalekar	M. Tech (EDT)	Assistant Professor	Electronic Design Technology	02	NA

*Ph.D Pursuing

11. List of senior visiting faculty:

Sr.No.	Name of the Faculty	Year
1	Deniel Figueriedo	2017 onwards

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Sr.No.	Percentage of Lecture	Percentage of Practical
1	27.58%	76.11%

13. Student -Teacher Ratio (program wise):

Sr.No.	Year	Student: Teacher ratio
1	UG: Bachelor of ECT Engineering	16:1
2	PG: Master of Engineering (Electronics)	1:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Academic support staff	No. of supporting staff
Technical staff	06
Supporting staff	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr. No.	Qualification	No. of Teaching Faculties
1	Ph.D.	05
2	PG (M.E./M. Tech)/M.Sc.	31

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Applied and in process
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Applied and in process
18. Research Centre /facility recognized by the University: Applied and in process
19. Publications:

Sr. No.	Name of Faculty	Publication of Faculty	Citation Index	Paper with impact factor	H-index	Book Published
1	Mr.J. G. Rana	19	57	1.69	03	-
2	Mr. F. I. Shaikh	25				-
3	Dr. R. D. Kokate	11	12	5.76	-	-
4	Dr. V. B. Malode	20	5	-	01	-
5	Dr. S. A. Naveed	19	13	1.04	02	-
6	Dr. S. N. Pawar	14	26	-	03	-

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7	Ms. V.A. Kulkarni	12	33	3.12	03	-
8	Mr. S. A. Annadate	12	11	-	02	-
9	Mr. G. R. Gidveer	15				-
10	Dr. V. A. More	19	31	1.68	03	-
11	Ms. A. P. Phatale	06	06	-	02	01
12	Ms. A. R. Salunke	03	4		1	-
13	Ms. C. S. Khandelwal	08	10	-	1	01
14	Ms. M. A. Mulay	-	-	-	-	01
15	Ms. S. D. Gavraskar	01	-	-	-	-
16	Ms. S. D. Giri	01	3	-	1	-
17	Mr. S. D. Jadhav	02	02	-	01	-
18	Mr. M. K. Pawar	01	-	-	-	-
19	Ms. S. G. Suryawanshi	01	-	-	-	-
20	Ms. A. A. Sayar	-	-	-	-	01
21	Mr. V. V. Kashti	01	-	-	-	-
22	Ms. S. J. Tupe	01	01	-	01	-
23	Ms. P. P. Patil	02	-	-	-	-
24	Ms. P. B. Yadhav	02	-	-	-	-

20. Areas of consultancy and income generated:

Sr. No.	Course	Income generated
1	Aspects of MATLAB Tools in communication, Control and Signal processing with Simulink	49,425/-

21. Faculty as members in:

Committees	Faculty	Details
	Dr. R.D. Kokate	NITTTR west zone center at Aurangabad as a center head.
Editorial boards	Dr. S.A. Naveed	1.Member of Editorial Board/Reviewer Team of IRA Publications for International Journal of Advances in Engineering Research, 2.International Journal of Research in Science and Technology, International Journal of Innovations in Science

		3.Member of Editorial Board for World Journal of Engineering Science
	Dr. V. B. Malode	Editor of International Journal of Advance Scientific Research and Engineering Trends

Membership of Professional Bodies

	IETE	IEI	IEEE	ISTE
No.of faculty	09	07	03	08

22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/program: All ECT students have to do in-house projects as per university guidelines.

Year	% of in-house projects
2016-17	100
2015-16	100
2014-15	100
2013-14	100
2012-13	100

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **NIL**

23. Awards / Recognitions received by faculty and students

- a) Faculty Achievements

Sr.No.	Name of Faculty	Achievements
1	Ms. C. S. Khandelwal Mr.A.R.Salunke	Excellent case study presentation, QCFL, AMC Engineering College, Bangaluru.
2	Dr.V.B.Malode	Silver Certificate in Paper presentation at Mallareddy College of Engineering & Technology, Secunderabad. Paper presented at Chiang Mai,Thailand 22 th -23 rd Nov. 2015
3	Dr.S.A.Naveed	Editor in Chief of The Sixth International Joint Conference on Advances in Engineering and Technology, AET 2015. Dec 26-27, 2015 Cochin, India. The conference was jointly organized by the IDES, ACEE Com, AMAE and ACEE.
4	Dr. R. D. Kokate	Elected as a chairman BOS of Dr. B.A.M.U Aurangabad.

b) Recognitions of Faculty:

Sr.No	Faculty Name	Recognition
1	Mr. J. G. Rana	P.G Teacher in Electronics and Electronics and Telecommunication
2	Mr. F. I. Shaikh	
3	Dr. V. B. Malode	
4	Dr. S.N.Pawar	
5	Dr.V. A. More	
6	Mr..S. A. Annadate	
7	Mr.V. A. Kulkarni	
8	Ms.C. S. Khandelwal	

Students Achievement
University Rankers

Sr. No.	Year	Name of Student	University Rank
1	2012	Sham Jadhav	II
2	2014	Priyanka Purushottam Bhawar	V
3	2015	Samiksha Girish Navagrah	V
4	2016	Mohini Mahadev Mhetre	II

Year	Date	Activity	Level	Participants	Awards & Recognition	Organized by
2011-12	13& 14Feb 2012	“Techshast ra 2012”	National	Neha Dudhe	2 nd prize	MIT College, Aurangabad
	24to 26 March 2012	“ROBOW OR” AGNITIO	College	1.Amey Inamdar 2.Pranit Kulkarni	2 nd Prize	JNEC, Aurangabad
	24to 26 March 2012	“CIRCUIT MANIA” AGNITIO	College	1.Ram Sarje 2.Saitwal Meghan	2 nd Prize	JNEC, Aurangabad
	24 to 26 March 2012	“CIRCUIT MANIA” AGNITIO	College	Bhaveshtiwari	1 st Prize	JNEC, Aurangabad
2012-13	14 to 17	“RYLA”	District	Pooja Hire	1 st prize in speech	Rotary club. Aurangabad

	March 2013				competition.	
				Pooja Wanare	2 nd prize in ADD MAD competition	
				Shaikh Shakib	1 st prize in Extempore.	
				Surabhi Chavan	1 st prize for best team .	
				Ashwini Zanware	2 nd prize in talent night.	
	21 Feb. 2013	Elocution competition on conservation and generation of energy	College	Pooja Mahindalekar	1 st prize	JNEC, Aurangabad
	08 to 10 March 2013	“E-logic” TECTRIX 2013	Inter college	Surabhi Pawar	1 st prize	P.E.S.College Aurangabad
2013-14	21 Feb 2014	Prof.A.K.Datta memorial theme presentation competition	Inter College	Pooja Mahindalekar	1 st prize	JNEC, Aurangabad
	26 Feb to 1 March 2014	Robotryst-2014	National	Disha Gandhi	1 st Runner up in all over India and winner in Maharashtra zone.	IIT Delhi
	13 Jan to 18 Jan 2014	Cricket (women s) tournaments	Inter-university	Ankita Joshi	Participant	Veer Narmada South Gujarat University, Surat, Gujarat.
	14 to 17	Ryla2014 (rotary club	District	1.Aishwarya Jadhav	1. 2 nd Prize .Best team.	JNEC, Aurangabad

	Aug. 2014	of Aurangabad)		2Ankita Akolkar 3.Ashwini Chobe		
	March 2014	Robotryst 2014	National	1.Komal Deshpande 2.Chaitra Joshi 3.Jagruti Kachave	Participated in Zonal Round at JNEC Aurangabad	IIT Delhi
	August 2014	Asia conference 2014by Harvard project for Asian & international relations	International	Syed Umair Hussaini	Participated	KEIO University Japan
	23 August 2014	CCQC 2014	Inter College	1.Shubham Aute 2.Kiran Magare 3.Giridhar Hakke 4.Vaibhav Kale 5.Chetan Lokhande 6.Swapnil Kadam 7.Prashant Patil 8.Akash Jakkan 9.Akshay Karwa	1 st Prize in “Best of pure service”	QCFI, Aurangabad
	14 & 15 Sept. 2014	Zonal round of Indo US Robo league	Zonal	Abhijeet Patharkar	1 st Prize	JNEC, Aurangabad

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	2 to 3 March 2013	Techno Bits-2013	Inter College	Ashwini Chobe	1 st Prize	MIT, Aurangabad
2014-15	20 to 22 Feb 2015	“ROBOSO CCER” TECH'EV E2015	Inter College	1.Rahul More 2.Devesh Pathak 3.Varsha Jarwal	2 nd prize	G.E.C.A, Aurangabad
	11 to 14 Feb 2015	Badminton Men's single	District	Tejas Choudhari	1 st Prize	MGM, Aurangabad
2015-16	22 March 2016 1 Day.	“E-HEXPLOA”	National	1. Salim Shaha 2.Kishor Deshpande	1 st Prize	MIT College, Aurangabad
	27 to 31 Jan 2015	Badminton - Mixdoubles	District	Tejas Choudhary	1 st Prize	Rotary Club, Aurangabad
	2015-16	Swimming	Inter-college	Sushant E.Magar	1 st Prize	Dr.B.A.M.U .
	14 to 16 Sep. 2015	Treasure Hunt	State	1.Mrunali Dongre 2.Rajeshwari Mohad	2 nd Prize	MIT, College, Aurangabad
	20 Feb 2015	“ROBOSO CCER” TECHEVE 2015	National	1.Devesh Pathak 2.Rahul More	2 nd Prize	GECA, Aurangabad .
	13 & 14 March 2015	Treasure Hunt	Inter College	1.Nehal Dane 2.Rajeshwari Mohad 3.Mrunali Dongare	1 st Prize	NIELIT, Aurangabad
	13- 15 March 2015	“ROBOSO CCER”	State	Mayur Pawar	2 nd Prize	SGGS, Nanded.

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2016-17	1 st – 4 th March 2017	Asian-Pacific Robot Contest (ABU ROBOCON) 2017	National	1.Abhijeet Hepat 2.Mayur Harge 3.Nikunj Fotedar	Participated	Robocon contest is hosted by MIT AOE, Pune.
	24 th - 25 th March 2017	Conference NCETCET -2017	National	1.Devesh Pathak 2.Ashok Shinde 3.Ankit Jh 4.Komal Mishra 5.Monika Jadhav 6.Neha Mohite	Participated	MIT, Alandi, Pune, Maharashtra .
	22 th Sept. 2016	Central Youth Festival 2016 Tuljapur	State	1.Shubham Kolhe 2. Amrapali Kamble 3.Ashish More	2 nd Prize 1.Shubham Kolhe(Best Actor) 2.Amrapali Kamble(Best Actress) 3.Ashish More (Best Director)	STBCE, Tuljapur
	26 th Jan 2016	Republic Day Pared	National	.Mr.Akshay Kolte	Participated	Attended the Republic day Parade at Delhi in the presence of Honorable Prime Minister Mr. Narendra Modi
	2016	RIO + 23 Program	National	Saniya Nautiyal BE-II	Rank in Top 20, A+ grade	World Humanitarian Summit

24.List of eminent academicians and scientists / visitors to the department

Year	Name of Academicians/ Visitors	Designation	Organization	Purpose to Visit
2011	Mr.K.Bhutekar,	Director	Nobel MPSC/UPSC academy	Lecture Talk
	Mr.Pushkar Pande,	Manager	(CS&S), AlkaTel Lucent India Ltd. Gurgaon.	Lecture Talk
2012	Mr. Gurjeet Singh Gill	Director	Gill Instrumnts, Bangalore	Lecture Talk
2013	Mr. Gurjeet Singh Gill	Director	Gill Instrumnts, Bangalore	Lecture Talk
2014	Mr.Ashish Saraf	Software Developer	Mphasis,Pune	Workshop
	Mr. Gurjeet Singh Gill	Director	Gill Instrumnts, Bangalore	Workshop
2015	Mr.Arvind Renge	Indian Revenue Service	GOI	Lecture Talk
	Dr. Arvind Kumar Mishra	R and D Manager	Sterlite Technologies Ltd.	Lecture Talk
	Mr.Sameer Pathak	Director	Silica Techno,California	Lecture Talk
	Mr.Sachin Pathak	Application Consultant	Global Computer,Portland.	Lecture Talk
2016	Mr.Milind Jape	Captain	DynaMinds Consulting Private Limited.	Workshop
	Jagdish Bisawa	Director	Ubisys Technologies Private Limited, Mumbai,	Lecture Talk
	Sanjay Pawar	Principal	Usha Mittal Institute of Technology	Lecture Talk
	B.Satyanarayana	Scientific Officer	Department of High Energy Physics, TIFR, Hyderabad.	Lecture Talk
	Anand S. Gharpure	Director	Sonic Multitech Private Ltd.	Lecture Talk

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: Short Term Training Program

Sr. No.	Year	Name of the workshop	Duration	Funding
1	2016-17	Aspects of MATLAB Tools in communication, Control and Signal processing with Simulink	28 th Nov. to 3 rd Dec. 2016	Self-financed

 b)International: **NIL**
26. Student profile program/course wise:

Name of the Course/ programme	Applications received	Selected	B.E.		Pass JNEC (University) %
			M	F	
2015-16	The admissions made as per the rules and regulations of Directorate of Technical Education and the affiliating University.		90	124	92.52(81.79)
2014-15			79	95	93.68(87.65)
2013-14			58	57	80(53.47)
2012-13			64	48	92.86(85.55)
2011-12			49	28	92.20

27. Diversity of Students

Name of the course	Year	% of students from the same state	%of students from other states
Electronics and Telecommunication Engineering	2016-17	95.43	4.56
	2015-16	95.69	4.30
	2014-15	97.22	2.77
	2013-14	97.54	2.45
	2012-13	97.60	2.39
M.E. Electronics	2016-17	100	0
	2015-16	100	0
	2014-15	100	0
	2013-14	100	0
	2012-13	100	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Examination Qualified	2015-16	2014-15	2013-14	2012-13
GATE	04	01	04	-
Civil services	01	-	03	-
TOEFL/GRE	01	-	-	-
GMAT	01	04	03	-

29. Student progression

Student Progression	Against % enrolled			
	2015-16	2014-15	2013-14	2012-13
UG to PG	10	10	17	12
PG to PhD	-	-	-	-
PhD to Post-Doctoral	-	-	-	-
Employed				
• Campus Selection	26.25	28.28	23.28	13.18
• Other than Campus recruitment	10.20	10	17	13
Entrepreneurship/Self-employment	Nil	Nil	Nil	Nil

30. Details of Infrastructural facilities

a. Library: College central library

Sr. No.	Course Name	No. of titles Available	No. of Volumes Available	Journals
1	BE (ECT)	1675	9033	18
2	ME (EC)	207	844	

b. Internet facilities for staff and students: 48 mbps dedicated internet bandwidth leased line connected to Central Computer Lab.

Location	No. of PC's
All Labs and HOD	11
VLSI Lab	15
Digital Signal Processing Lab	18
Audio Processing and Coding Lab	20
Embedded System lab	20
Total	84

Every laboratory has been provided with an internet connection.

c. Class rooms with ICT facility:

One classroom, seminar hall and all computer laboratories are provided with internet facility. The class rooms are spacious making it conducive to teaching & learning.

d. Laboratories: 12

Sr. No.	Name of Laboratory	Name of important Equipment	Area (Sq.mts)	Total Investment
1	VLSI Lab	FPGA Kit, Xilinx Software	54.76	4,67,038/-
2	Microwave & Power Lab	RADAR Kit	54.76	06,60,510/-
3	Digital Signal Processing Lab	DSP Kits by Texas Instruments	34.31	18,24,008/-
4	Audio Processing and Coding Lab	MATLAB Software	34.31	18,24,008/-
5	Electronics Workshop Lab	Ultraviolet Exposure unit, PCB fabrication setup	83.62	04,83,775/-
6	Consumer Electronics Lab	EPABX Trainer Kit	68.62	10,33,397/-
7	Electronic Devices and Circuit Lab	CRO, Function generator, DC power supply and Desktop Multimeters	68.62	09,66,081/-
8	Communication Lab	Mobile trainer, Satellite trainer kit, Frequency synthesizer	68.62	10,27,909.9/-
9	Advance Communication Lab	Digital Storage Oscilloscope, spectrum analyzer, Signal Generator, LAN Trainer Kit	68.62	14,11,430/-
10	Digital and Microprocessor Lab	Basic Microprocessor and Microcontroller Kit	68.62	09,96,822/-
11	Embedded System lab	Texas Instruments(MSP 430), Vipro kits, SideARM, ARM 7 Kits	68.62	09,26,570/-
12	Project/ Research Lab	UTLP i wave Kits	54.76	2,00,000/-

31. Number of students receiving financial assistance from college, university, government or other agencies:

Academic year	College	University	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	13	-	118	78	121	08	11	74
2014-15	13	-	117	15	69	05	08	39
2013-14	11	-	94	72	117	08	06	67

32. Details on student enrichment programs (special lectures / workshops / seminar) with external experts

Sr.No.	Year	No of Guest Lecture	No. of Industrial Visit	No. of Workshops
1	2016-17	10	-	3
2	2015-16	11	2	1
3	2014-15	2	4	1
4	2013-14	3	3	1
5	2012-13	5	2	1
6	2011-12	3	1	1

33. Teaching methods adopted to improve student learning:

- The senior faculty members guide the other faculty members of the subject in understanding the fundamentals. Common strategies are finalized by senior faculty.
- Notes of various units are prepared right at the beginning of semester. This activity helps the faculty members of the same subject to maintain uniformity across various classes.
- To inculcate the knowledge delivery skills a faculty induction program was conducted at the institute level. Faculty members from department are also encouraged to take up programs like Mission 10X which is framed in accordance with the need of teachers to develop teaching skills.
- Assignments are given to students based on each unit.
- Power point presentation and NPTEL resource materials are used by faculty for delivery of subject matters.
- Tutorial are organized for improving the problem solving skills
- Industrial visits are organized.
- Guest lecturers of eminent personalities from academic institute as well as Industries are organized to enhance the student's knowledge.
- Workshops are conducted to provide hands- on for students under IEEE students' chapter.
- Faculty Development Programs

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- NSS activities.
- Blood donation camp
- Swachhatha Abhiyaan on Gandhi Jayanti

35. SWOC analysis of the department and Future plans:

Strengths:

- Experienced faculties
- Four faculties with PhD with different areas of specialization.
- Well Equipped Laboratories.
- Excellent discipline and culture.
- Students motivated to participate in technical and social activities.

Weakness:

- Scope for more industry sponsored projects
- Recruitment through Campus interviews is less.

Opportunities:

- Preparing employable engineers to face the challenges (Present and future).
- To motivate students to appear for Competitive exams like GATE, MPSC, GRE, UPSC, TOFFEL etc.
- To become recognized research centre for PhD
- To increase number of Internship.

Challenges:

- To attract students for admission in Electronics and Telecommunication Branch.
- To generate revenue through consultancy.
- To place the students in core electronic companies.

EVALUATIVE REPORT-ELECTRICAL ELECTRONICS AND POWER

1. **Name of the Department:** Electrical Electronics and Power
2. **Year of Establishment:** UG Course EEP: 2009, PG Course EPS:2013
3. **Names of Programmes / Courses offered** (UG, PG, M.Phil., Ph.D., Integrated, Masters; Integrated Ph.D., etc.)

Name of the department	Year of Establishment	Intake	Level
Electrical, Electronics& Power	2009	60	UG
Electrical, Electronics& Power(Shift)	2013	60	UG
Electrical Power System	2013	18	PG

4. **Names of Interdisciplinary courses and the departments/units involved**

Sr. No.	Name of the Course	Department
1	Communication Skills	MGM IIFLC Aurangabad
2	Engineering Mathematics-III	Applied Science Dept.
3	Engineering Mathematics-IV	Applied Science Dept.
4	Environment Science	Civil Engg. Department

5. **Annual/ semester/choice based credit system (Programme wise) Semester based:**

Sr. No.	Name of the Programme	Type
1.	B. E. (EEP)	Semester System
2.	M.E. (EPS)	Choice based credit system

6. **Participation of the department in the courses offered by other departments**

Sr. No.	Subject	Department
1	Basics of Electrical Engineering (BEE)	Applied Science
2	Electrical Machines and Applied Electronics (EMAE)	Mechanical Engineering
3	Electrical Machines and Instrumentation (EMI)	Electronics and Telecommunication

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. Details of courses/programmes discontinued (if any) with reasons

Sr. No.	Name of the Course	Year	Reason
1	Second Shift of UG EEP	2014-15	Opening of new colleges in nearby areas tempted students to save time and money resulted in scarcity of admissions.

9. Number of Teaching posts

Teaching Post (UG)	Sanctioned	Filled
Professor	1	1
Associate Professor	2	0
Assistant professor	9	19
Teaching Post (PG)	Sanctioned	Filled
Professor		0
Associate Professor		0
Assistant professor		2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sr. No.	Name	Qualification	Designation	Specialization	Experience (Yrs)	No of Ph.D students guided for the last 4 years
1	Mr. B. T. Deshmukh	M.E.EPS Ph.D Pursuing	Professor and Head	Power system	27	NA
2	Ms. A. V. Naik	M.E. EPSP Ph.D Pursuing	Assistant professor	Power system	25	NA
3	Mr. J. R. Rana	M.E Electronics	Assistant professor	Electronics	11	NA
4	Mr. A. M. Chole	M.Tech(PEPS)	Assistant professor	Power Electronics	6	NA

				and Power Systems		
5	Ms. R. P. Suralkar	M.E (EPS)	Assistant professor	Power system	12	NA
6	Mr. S. D. Jawale	M.Tech(M & I)	Assistant professor	Machines and Instrumentation	5	NA
7	Ms. P. P. Kothawade	M.E. (EPS)	Assistant professor	Power system	6.5	NA
8	Ms. P. G. Lone	M.E.(EMD)	Assistant professor	Electrical Machines and Drives	3.5	NA
9	Mr. M. M. Sontakke	M.E(EMD)	Assistant professor	Electrical Machines and Drives	2	NA
10	Ms. B. V. Pahade	M.E.(PEED)	Assistant professor	Power electronics and Drives	2.5	NA
11	Mr. P. V. Dhote	M.E. (EPS)	Assistant professor	Power system	4	NA
12	Ms. J. S. Solunke	B.E., M.E. Pursuing	Assistant professor	Power system	3.5	NA
13	Ms. P. A. Gulbhile	B.E., M.E. Pursuing	Assistant professor	Power system	5.5	NA
14	Mr. C. B. Ingole	B.E., M.E. Pursuing	Assistant professor	Electronics	6.3	NA
15	Ms. V. K. Shinde	B.E.	Assistant professor	EEP	1.6	NA
16	Ms.R. V. Dhekhne	M.Tech	Assistant professor	Power system	2	NA
17	Ms. M. J. Odhekar	M.E.	Assistant professor	EPS	11 month	NA
18	Ms. P. M. Bankar	B.E.	Assistant professor	EEP	1.8	NA
19	Mr. M. S. Jadhav	B.E., M.E. Pursuing	Teacher Assistant	Power system	1.6	NA
20	Mr. A. B. Pentewar	BE(IE), ME(Electronics)	Assistant professor	Electronics	5	NA
21	Ms. K. M. Gaikwad	BE(ECT), ME Pursuing	Assistant professor	Electronics and Communication	1	NA
22	Mr. V. V.	B.E., M.E.	Teacher	Power system	3 month	NA

	Ghadge	Pursuing	Assistant			
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11. List of senior visiting faculty:

Sr. No.	Name of the Faculty (Adjunct Faculty)	Subject Expert
1	Mr.PradipV. Kalyankar	Switch gear and protection and maintenance
2	Mr.Anil Bugdani	Electrical Maintenance

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty

Sr. No.	Year	% of lectures delivered	% of Practical Classes handled
1	2016-17	64.9%	88.13%

13. Student -Teacher Ratio (Programme wise)

Sr. No.	Programme	Student : Teacher ratio
1	UG: Electrical, Electronics& Power	16 : 1
	PG: Electrical Power System	03:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No.	Staff	No. of Staff
1	Technical Staff	00
2	academic support staff	02
3	administrative staff	00

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualifications	No. of teaching faculty
Ph.D	--
Ph.D pursuing	02
PG	11
PG pursuing	05
UG	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:

Sr. No.	Name of the Staff/ Student	Publication per faculty	Number of papers published by faculty and students in peer reviewed journals	Citation Index	h-Index
1	Mr. B. T. Deshmukh	22	02	03	06
2	Ms. A.V. Naik	02	02	--	--
3	Mr. J. R. Rana	10	03	04	02
4	Mr. A. M. Chole	01	00	--	--
5	Ms. R. G. Joshi	03	01	--	--
6	Mr. S. D. Jawale	04	01	--	--
7	Ms. P. P. Kothawade	01	01	--	--
8	Ms. P.G. Lone	01	02	01	01
9	Ms B. V. Pahade	01	00	--	--
10	Mr. M. M. Sontakke	02	02	--	--
11	Mr. P. V. Dhote	02	02	01	01
12	Mr. R. V. Dhekane	02	00	--	--
13	Ms. M. J. Odhekar	02	01	--	--
14	Ms. J. S. Solanke	02	00	--	--

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

National committees b) International Committees c) Editorial Boards.....: **NIL**

Members in Professional Bodies:

Sr.No.	Name of the Faculty	Members in
1	Prof.B.T.Deshmukh	ISTE, IEI
2	Prof.A.M.Chole	Indian Desalination Asso.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/Programme:**100%(As part of curriculum)**

Sr. No.	Year	% of in-house Project
1	2016-17	100
2	2015-16	100
3	2014-15	100
4	2013-14	100
5	2012-13	100

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : **NIL**

23. Awards / Recognitions received by faculty and students.

Sr. No.	Year	Name of faculty	Achievement (Award/Recognition) Provide details	Remark
1	2015-16	Me. A. M. Chole	Central & State Government Recognition on Desalination Project.	UDCG
2	2015-16	EEP Department Faculty Members	Workbook of EEE Published by the EEP department.	Published by MGM
3	2012-13	Mr. B. T. Deshmukh	Best Teacher Award by Rotary Club Aurangabad	Rotary Club Aurangabad

Sr. No	Year	Name of the student	Competition	Level	Place
1	2015-16	Swapnil Rane	University Examination	IV th Rank	JNEC Aurangabad.
		Taique Ameer	Campus Ambassador	For RIO+23 WHS program	JNEC Aurangabad.
2		Abhishek Mahajan	Best President	Rotaract Club	Rotary Club
3	2013-14	Priyanka Bonde Meety Tommy Jacob	University Examination	II th Rank III rd Rank	JNEC Aurangabad.
4		Yugal Dongre (BE)	Inter college Tournament of Volley ball. Competition Won 1st Price	University Sports Competition	Soygaon Aurangabad
		Kunal Karmakar (BE)			
		Sandip Rathod (ME)			
		Gaurav Rajput (TE)			
5	2012-13	Dongre Yugal (TE EEP)	Inter College Sports competition of Volley Ball	University Sports Competition	MIT Pune
6		Sandip Rathod (BE)	Inter College Sports competition of Volley Ball	University Sports Competition	MIT Pune

24. List of eminent academicians and scientists/visitors to the department:

Sr no.	Year	Name of Topic	Name of Speaker & their details
1	2016-17	Recent trends and Future Scope in Solar System	Mr. Anil Suradkar, Regional Manager, Relyon Solar Pvt. Ltd, Aurangabad
2		Emerge Evolve Enhance	Mr. Avinash B. Chate, Director of CADD Centre, Aurangabad
3		Construction of Substation,	Mr.Nafees Khan Dy.Executive Engineer MSEB
4		Earthing & Grounding for Electrical Safety	Dr. A. G. Thosar HOD & Prof. GECA.
5		Electrical Safety, Guest Lecture	Mr. Sandip Deshpande, Ex. Engineer MSEDCL
6	2015-16	Global Education	Mr. Naim, Manager, Vishwashri Consultancy
7		Leadership Management	Mr. Abhijit Dharmadhikari, Director, Shri Krishna Career Academy,
8		Lecture Talk on Higher Studies Abroad	Mr. NAIM, Asst. Manager, Vishwashri Consultancy Education
9		Disaster Management	Mr.R V Sharma Ex IMD Scientist
10		Application of Embedded System	Mr. Pravin Ambekar (Ambekar Associates)
11		Inner Quality Improvement,	Mr. Rajesh Chavan Founder, JEEVAN SANJIVANI
12		Inner Quality Improvement,	Mr. Rajesh Chavan Founder, JEEVAN SANJIVANI
13		Role of Circuit Breaker in Power System	Dr. Nitin Zope Executive Engineer MSETCL
14		Basic Principles of Energy & Need for Energy Audit	Mr. Rahul Deshpande (M.D. Vedant Energy Solu.)
15		Health Awareness & Best Practices	Dr. V. R. Ratnparkhi M.D. Medicine, Dr. Hedgewar Hospital

16		Arduino Microcontroller & Rasberry Pi as ARM based Computer	Mr. Pravin Ambekar (Ambekar Associates)
17		Personality Development	Mr. Punit
18		General Aptitude	Ms. Syeda Nazneen
19		Solar Engineering & Entrepreneurship	Mr. Vivek Kabra
20		Sustainable energy Development	Dr. A.G. Thosar GECA, A'bad
21		Solar Technology (Renewable Energy)	Dr. Chakrabarti, JNEC
22		Test Measuring Instrument energy management system & ,product demonstration	Mr. Santosh Satpute (Area Manager, Rishabh Instrument Pvt. Ltd.)
23	2013-14	Recent trends in Power Systems (Power Scenario, National Electricity Policy)	Mr. U.V. Zalte Former Director (Operations, MSETCL)
24	2012-13	Energy scenario in India	Mr. R. N. Mhaske Chief Engineer (MSETCL)
25		Industrial Automation	Mr. Suresh Todkar (S.S. Control Pvt. Ltd.)
26		Campus Recruitment Preparation, Exams and Opportunities Ahead	Mr. Buble (Emperial Institute)

25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International

Sr. No.	Year	Name of Workshop/ Training Programme	Name of Speaker & their details	Source of funding
1	2015-16	Workshop on Micro Controller and its Interfacing"	Mr. Pravin Ambekar (Ambekar Associates)	Self-Financed
2	2014-15	Workshop on Micro Controller 8051 and its Interfacing"	Mr. Pravin Ambekar (Ambekar Associates)	Self Financed
3	2013-14	Training Programme on ETAP Software	ETAP Software	Self Financed
4	2013-14	Micro-controller 8051	Mr. Pravin Ambekar (Ambekar Associates)	Self Financed

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5	Oct-13	Training Programme on PLC & SCADA	Mr. Abhijeet Patil (Krish Infotech)	Self Financed
6	2013-14	Training Programme on PSCAD Software	PSCAD Training by Supplier	Self Financed
7	2012-13	Workshop on Programmable Logic Controller	Mr. Abhijeet Patil (Krish Infotech)	Self Financed

26 Student profile Programme/course wise:

Name of the Course / Programme	Applications received	Selected	BE		
			M	F	% Pass
2016-17	Centralize Process as per DTE norms at institute level.		40	29	NA
2015-16			47	31	96.15
2014-15			50	17	95.45
2013-14			68	33	86.51
2012-13			32	11	100

27 Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States
Electrical Electronics and Power Engineering	2016-17	100	0
	2015-16	98.80	1.20
	2014-15	99.20	0.80
	2013-14	100	0
	2012-13	100	0

28 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr. No.	Year	Name of Exam	No of Students
1	2016-17	MAHAGENCO(MSEB)	01
2	2015-16	GATE	03
3	2015-16	Mahadiscom (MSEB)	03

29 Student progression

Student progression %	2015-16	2014-15	2013-14	2012-13
UG to PG	3.84%	5.97%	4%	4.65%
PG to Ph.D.	Nil	Nil	Nil	Nil
Employed	13.72%	15%	26.47%	3.33%
-Campus selection				
-Other than campus recruitment	--	--	--	--

30 Details of Infrastructural facilities

a) Library: Books available at central Library.

Academic Year	Total No. of Titles Available	Total No. of Volume Available	Total No. of Print Journals Available
2015-16	399	2252	06

b) **Internet facilities for Staff & Students:** In addition to the central computer lab facility department has one computer lab with following specifications.

Sr. No.	Facility	Specification
1	Total No. of Computers	41
2	Internet Facility	41
3	Speed	48 MBPS

c) **Class rooms with ICT facility:** One classrooms and computer laboratory are provided with internet facility. The class room is spacious and well equipped with the necessary infrastructure (LCD projectors, Audio/video visual aids with internet etc.) making it conducive to teaching & learning.

d) **Laboratories**

Sr. No.	Name of Laboratory	Area	Cost	Major Equipment
1	AC Machines Lab	68.62Sq.M	732800/-	1 phase and 3 phase motor and generator sets.
2	DC Machines Lab	68.62Sq.M	365800/-	DC motor sets with mechanical load.
3	Switchgear & Protection Lab	66Sq.M	1037775/-	Vaious protection panels for Alternator, transformer and transmission line.
4	Basic Electrical Engineering Lab	66Sq.M	103043/-	Basic Electrical circuits.
5	Computer Lab	66.78Sq.M	1433550/-	Computers, ETAP, PSCAD, MATLAB softwares

31 Number of students receiving financial assistance from college, university, government or other agencies :

Academic year	College	University	Government Scholarship						
			EBC	Minority	SC	OBC	SBC	ST	VJNT
2015-16	06	-	65		33	55	04	01	29
2014-15	05	-	75		75	13	02	00	01
2013-14	01	-	48		39	60	08	04	28

32 Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: :

Sr. No.	Year	No. of Guest Lectures	No. of workshops	No. of Industrial Visits
1	2016-17	07	01	01
2	2015-16	07	01	02
3	2014-15	08	01	01
4	2013-14	02	04	02
5	2012-13	03	01	01

33 Teaching methods adopted to improve student learning

The subject teacher prepares a course plan of 52 lectures for their subject in the beginning of the semester. The teacher keeps a record of the date in which the corresponding topic is taught. The record is maintained with the help of **ERP** software.

The course content may deliver in following methods:

- **Lecture**
The teacher prepares and delivers lecture according to the teaching plan. Teacher may delivers the lecture either using power point presentation or chalk method.
- **Tutorial hours**
Tutorials are there for analytical subjects to enhance the understanding of the students.
- **Group discussions/ seminar / role play/Guest lectures/Industrial Visits/Workshops**
The subject teacher holds group discussions, seminar and role play to present case studies to enable them better understanding of the subject. Guest lectures are arranged for student to have interaction with industry person. Industrial visits and workshops are arranged to enhance practical skills and to introduce student to the actual work environment.

- **Quality assessment:** The assessment is done by taking class test and practical examinations.

34 Participation in Institutional Social Responsibility (ISR) and Extension activities: NSS activities.

Students as well as faculty members participated in the following activities:

1. Swachhatha Abhiyaan (Cleanliness Drive).
2. Water Conservation
3. Energy Audit of Campus
4. Solar Power System of JNEC

35 SWOC analysis of the department and Future plans

Strength:

- Teamwork and discipline.
- Experienced Faculty Members.

Weakness:

- Campus placement percentage.
- Competitive exams clearing percentage.

Opportunities:

- Expansion of training opportunities.
- Linkage between education Programmeme and industrial need.

Challenges:

- To increase possibility of placement and competitive exam clearing percentage.

Future Plans:

- To develop research centre for the department.
- To provide consultancy services from the department.

EVALUATIVE REPORT-CHEMICAL ENGINEERING

1. **Name of the department:** Chemical Engineering
2. **Year of Establishment:** 1983
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

Name of Program	Year of establishment	Intake
UG (Chemical Engineering)	1983	40
UG (Chemical Engineering)	1993	60
UG (Chemical Engineering)	2008	30

4. **Names of Interdisciplinary courses and the departments/units involved:**

Sr.No.	Name of Interdisciplinary Course	Department
1	Communication Skills	Dept.of Foreign language
2	Engineering Mathematics-III/ IV	Applied Science Department
3	Strength of Material	Department of Civil Engineering
4	Environmental Science	Department of Civil Engineering

5. **Annual/ semester/choice based credit system (programme wise):**

Sr.No.	Name of the programme	Type
1.	First Year	Choice based credit system
2.	S.E. to B. E. (Chemical)	Semester System
3.	M.E. (Chemical Engineering)*	Choice based credit system

* Currently discontinued in the college

6. **Participation of the department in the courses offered by other departments:**

Sr.No.	Name of the department / Programme	Course name
1.	Biotechnology department	Bio-Chemical Reaction engineering, Unit Operation

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. Details of courses/Programmes discontinued (if any) with reasons:

Sr.No	Name of the Programme	Reason
1.	M.E. (Chemical Engineering)	Job opportunity for UG courses is more compaire to PG courses . So less preference for PG course

9. Number of Teaching Posts:

	Sanctioned	Filled
Professors	1	1
AssociateProfessors	2	1
Asst.Professors	4	5

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.)

Sr. No	Name In Full	Qualification	Designation	Specializati on	Experien ce (years)	Number of PhD students guided for last 4 years
1	Dr.O. K. Mahadwad	B.Tech (Chem), M.E.(Chem) , Ph. D-Chem.	Associate Professor And Head of the Department	Reaction Engineering	17	Nil
2	Dr. S. Y. Guhe	Ph.D. (integrated)	Professor	Process Modelling, Simulation and Control.	13	Nil
3	Mr. M. U. Pople	B.E. (Chem.), M. Tech (Chem.)	Assistant Professor	Process Modeling	21	Nil
4	Ms. M. R. Gaonkar	B.E.(Chem), M.E.(Chem.)	Assistant Professor	Separation Processes	24	Nil
5	Mr. S. B. Mundhe	B.E.(Chem), M.E.(Chem.)	Assistant Professor	Separation Processes	13	Nil
6	Mr. S. D. Yadav	B.E.(Chem), M.E.(Chem.)	Assistant Professor	Reaction Kinetics	10	Nil
7	Mr.V. A. Gite	B.E.(Chem), M.Tech(Chem.)	Assistant Professor	Renewable Energy	08	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty: NIL

13. Student -Teacher Ratio (Programmewise):

Sr. No.	Programme	Student:Teacher ratio
1	UG: Bachelor of Chemical Engineering	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Academic support staff	Academic support staff
Technical staff	-
Supporting staff	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr. No.	Qualification	No. of Teaching Faculties
1	Ph.D.	02
2	PG (M.E./M. Tech)	05

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 03

17. Departmental projects funded by DST; UGC, AMC, etc. and total grants received:

Sr. No.	Funded Agency	Project Title	Status
1	Dr. B.A.M.U. Aurangabad	Membrane Technology	In process
2	Dr. B.A.M.U. Aurangabad	Extraction of oil seeds	In Process
3	UGC	Photo-catalytic reactions	Applied

18. Research Centre /facility recognized by the University: Approved Ph.D. center by Dr.BabasahebAmbedkar Marathwada University, Aurangabad.

19. Publications

Sr. No.	Name of the Staff	Publication per faculty	Number of papers published by faculty and students in peer reviewed journals (Web of Science, Scopus, Google Scholar, EBSCO, Citeseer)	Citation Index	Impact factor (Max)	h-Index
1	Dr. O. K. Mahadwad	15	03	36	0.89	02
2	Dr. S. Y. Guhe	11	-	-	-	-
3	Mr. M. U. Pople	05	-	-	-	-
4	Ms. M. R. Gaonkar	09	-	-	-	-
5	Mr. S. B. Mundhe	07	-	-	-	-
6	Mr. S. D. Yadav	03	-	-	-	-
7	Mr. V. A. Gite	07	-	-	-	-

20. Areas of consultancy and income generated:

Sr. No.	Area of Consultancy	Total Amount
1	CHEMCAD Software training	Rs.6000

21. Faculty as members in Committees :

Sr. No.	Name of Faculty	Members on Committees (National)
1.	Mr. M.U.Pople	Institute of Engineers (India), Aurangabad Local Chapter, 2014-2016, 2012-2014, 2010-2012
2.	Mr. S.D. Yadav	Institute of Engineers (India), National level AISC-2013-14 as advisor
3.	Mr. S.B. Mundhe	Institute of Engineers (India), Aurangabad Local Chapter-2016-2018

Faculties as members of the professional bodies

	Professional Bodies		
	IChE	ISTE	IE(I)
No. of Faculty Members	04	03	06

22. Student projects

- a. Percentage of students who have done in-house projects including inter-departmental programme:

Year	% of in-house projects
2016-17	100
2015-16	100
2014-15	100
2013-14	100
2012-13	100
2011-12	100

Note: In house projects are part of syllabus

- b. Percentage of students placed for projects in organizations outside the institution i.e. in research laboratories, industry or other agencies: **NIL**

23. Awards recognitions received by faculty and students.

Sr. No.	Name of faculty/students	Awards/Recognitions
2015-16	Mr. Pradip Nande	Late Sanjay Kotur Smruti Paritoshak
	Mr. Pradip Nande	Dr. Suggu S. Murthy Award
	Mr. Pradip Nande	University Topper (First rank)
	Mr. Sayyed Sheraj Z.	University Topper (II rank)
	Mr. Sirsat Pratik	University Topper (III rank)
2014-15	Mr. Mehul Soni	Late Sanjay Kotur Smruti Paritoshak
	Mr. Mehul Soni	University Topper (First rank)
	Ms. Namrata Bankar	University Topper (II rank)
	Mr. Chandev Bhang	University Topper (III rank)
2013-14	Mr. Dynashwar Bondre	Late Sanjay Kotur Smruti Paritoshak
	Mr. Dynashwar Bondre	University Topper (First rank)
	Ms. Sneha Chafle	University Topper (II rank)
	Ms. Payal Khobragade	University Topper (III rank)
2012-13	Mr. Avinash Palodkar	Late Sanjay Kotur Smruti Paritoshak
	Mr. Avinash Palodkar	University Topper (First rank)
	Mr. Maske Amarshil	University Topper (II rank)
	Ms .Pooja Kumari	University Topper (III rank)

24. List of eminent academicians and scientist / visitors to the department :

Sr. No	Name of Eminent person	Organization	Date of Visit	Topic
1	Dr.Vilas Pol	Purdue University, west Lafayette (USA)	15/6/2016	Sustainable Energy Resources.
2	Mr. Sandeep Boralkar	Coca-Cola India Pvt Ltd. Pune.	6 /08/2016	Opportunities for chemical engineer in FMCG industries and skill building
3	Dr. V.N. Lad,	Chemical Engineering Department, SVNIT-Surat, Gujarat	14/09/2016	Process intensification, miniaturization and environmentally benign chemical process design
4	Mr. K K vasekar,	Director Mega Engineering,	04/10/2016	“7 Formulas for success in life”.
5	Mr. Devendra Bansal	AMRI Chem LTD Aurangabad	13/02/2016	Roll of chemical engineers in Pharma Industries
6	Dr. Vinay Bhandari	NCL, Pune	08/08/2015	Current challenges and solution for industrial waste water treatment its recycle and reuse
7	Mr Anant kumar	CBIT, Hydrabad	11/09/2015	Students approach towards chemical engineering
8	Mr. C.D. Gourshete	UDCT, Dr. BAMU, Aurangabad	20/04/2015	Application of Python computing language in chemical Engineering
9	MR. Mayur Kulkarni	Goodyear Tyers, Aurangabad	20/01/2014	Scenario of Chemical Industry
10	Dr. D Subramanyam	LIT, Nagpur	23/09/2013	What thermodynamics means to Chemical Engineer.
11	Mr. Pravin Bachhav	CIPET, Aurangabad	22/08/2013	Entrepreneurial opportunities in plastic industries

25. Seminar / conference / workshop organized and the source of funding:

Sr. No.	Year	Seminars/Conferences/Workshops organized	Duration and date	Source of funding
1.	2015-16	Value added workshop on CHEMCAD	One week from 3 rd of Oct- to 9 th Oct, 2016	Self financed
2	2014-15	Workshop on CHEMCAD for Process Simulation	One week from 18 th of Nov- to 21 st Nov, 2015	Self financed
3.	2014-15	National level conference "ENVISION-2K15"	Two day, 12-13, March-2015	Self financed
4.	2013-14	National level conference "ENVISION-2K14"	Two day, 21-22, March-2014	Self financed
5	2013-14	Workshop on Hands on experience on Analytical Instruments	One week from 2 nd -10 th April, 2014	Self financed
6	2013-14	Megalopolis Aurangabad- seminar	One day, 8 th Oct, 2014	Self financed
7	2013-14	Workshop on Hazardous Chemical Handling and fire protection technique.	One day, 26 th Oct, 2014	Self financed

26. Student profile programme / course wise:

Name of the Course/programme	Applications received	Selected	B.E.		Pass %
			M	F	
2015-16	The admissions made as per the rules and regulations of Directorate of Technical Education and the affiliating University		29	9	86.94
2014-15			19	3	77.27
2013-14			40	10	72.00
2012-13			29	6	74.29

27. Diversity of Students

Year	Name of the Course	% of students from the same state	% of students from other States
2016-17	B.E. (Chemical)	97.43	2.57
2015-16	B.E. (Chemical)	100	00
2014-15	B.E. (Chemical)	97.14	2.86
2013-14	B.E. (Chemical)	97.5	2.5
2012-13	B.E. (Chemical)	100	00

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Examination Qualified	2015-16	2014-15	2013-14	2012-13	2011-12
TOEFL/IELTS	-	3	-	-	-
GRE	-	3	-	-	-

29. Student progression

Student Progression	Against % enrolled			
	2015-16	2014-15	2013-14	2012-13
UG to PG	5.26	9.09	3.33	5.71
PG to PhD	01	-	-	01
PhD to Post Doc	-	-	-	-
Employed				
• Campus selection	57.89	-	100	28.57
• Other than campus recruitment	-	4.55	3.33	-
Entrepreneurship / Self employed	-	4.55	3.33	-

30. Details of infrastructural facilities

a. Library: College central library

Sr. No.	Course Name	No. Of titles Available	No. of Volumes Available	Journals
1	BE Chemical	964	5111	06

b. Internet facilities for staff and students: Every laboratory has been provided with at least one PC with an internet connection.

Location	No. Of PC's
Labs and HOD	04
Chem Cad Lab	17

c. Class rooms with ICT facility:

Two classrooms and one seminar hall with LCD Projector, Audio/video visual aids and internet connections. Computer laboratories are provided with internet facility. The class rooms are spacious and well equipped with the necessary infrastructure making it conducive to teaching & learning.

d. Laboratories:

Sr. No.	Name of Laboratory	Name of important Equipment	Area of Lab.	Equipment Cost
1	Mass Transfer Operation	VLE, Adsorption, tray dryer, Sieve tray Distillation column, Knudson Apparatus, Crystallizer	89.08	7,17,077
2	Chemical Reaction Engineering	CSTR, PFR, TFR, Batch Reactor, Cascade CSTR, Fixed Bed catalytic Reactor, Weighing balance	86.42	4,70,215
3	Mechanical operation	sieve shaker, sigma mixer, double deck vibrating screen, ball mill, jaw crusher, cyclon separator	79.99	2,12,456
4	Industrial Pollution Control	Incubator, Turbidity meter, pH meter, DO meter	68.82	1,01,937
5	Process dynamics and control	2 tank interacting and non interacting, u-tube manometer, mixing process, PID Controller and trainer	68.82	150798
6	Advanced Separation Processes	Centrifuge, Water bath, Floatation Column, Chromatography column, Magnetic Stirrer, Electrophoresis unit, Soxhlet Apparatus,	68.87	4,01,909
7	Computer Lab	P-IV 20 Nos, CHEMCAD, POLYMATH	57.5	6,16,700
8	Physical Chemistry	conductivity meter, colorimeter, flame photometer, pH meter,	57.31	1,95,968
9	Organic/Engineering Chemistry	Centrifuge, Melting point app. Oven, Water bath, Distilled water plant	57.31	1,42,701

31. Number of students receiving financial assistance from the college / university / government or other agencies:

Academic year	College	University	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	01	-	30	19	26	02	02	11
2014-15	-	-	25	12	29	03	01	12
2013-14	-	-	28	15	25	03	00	09

32. Details on student enrichment programmes:

Sr.No.	Year	No of Guest Lecture	No. of Industrial Visit	No. of Workshops / Conference
1	2016-17	05	02	01
2	2015-16	04	01	01
3	2014-15	01	02	01
4	2013-14	05	01	03
5	2012-13	02	01	-

33. Teaching methods adopted to improve student learning:

- Chemical engineering curriculum has compulsory in-plant training of four week at end of third semester. This training helps the students to enhance the practical knowledge.
- Faculty members from department are also encouraged to take up programs like Mission 10X which is framed in accordance with the need of teachers to develop teaching skills.
- Following teaching methods are adopted to improve the students learning.
 - Power point presentation and NPTEL resource materials are used by faculty for delivery of subject matters.
 - Students are adopting in-plant training for four weeks at the end of third year.
 - Assignments and tutorials are given to students based on each unit.
 - Industrial visits are organized.
 - Guest lecturers of eminent personalities from academic institute as well as Industries are organized to enhance the student's knowledge.
 - Seminars and workshops are organized to improve the overall performance of the students
 - Student's participation in workshop, seminar and conferences.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Department is actively organized the following events as social responsibility

- NSS Activity
- Blood donation
- Drought relief fund through NAAM foundation
- Tree Plantation
- SwachhathaAbhiyaan.
- No Vehicle day

35. SWOC analysis of the department and Future plans:**Strengths:**

- Qualified and experienced staff members
- Good faculty retention
- Good academic results
- Well Equipped Laboratories.
- Excellent team work among the staff and students.

Weakness:

- Lack of sponsored projects.
- Few industries are only attracted for campus interviews
- Inadequate Technical and administrative Staff.
- Lack of consultancy work.

Opportunity

- Inter discipliner projects can be carried.
- Job opportunities in the local industries.
- Consultancy work for industries.
- More interaction with the chemical industries.
- To increase the research work and sponsored projects.

Challenges:

- Attracting good quality of students
- Motivation to the students for higher study and entrepreneurship.
- Improvement in presentation and communication skills.
- Prepare the graduates to full fill the needs of every chemical industry.

Future Plans:

- To provide field knowledge to the students.
- Improve campus placements
- Start Departmental Project Gallery.

Future plans of the department.

- Promote the research activity among the students and staff through different sponsored projects from industries and organization.
- Conduct workshops on value added courses for the students.
- Motivate the students to participate in the workshop, conferences, seminar, communication skill development and extracurricular activities organized by other institute and universities.

EVALUATIVE REPORT-INSTRUMENTATION & CONTROL

1. **Name of the Department:** Department of Instrumentation & Control

2. **Year of Establishment:** 2011

3. **Courses offered:**

Name of Program	Year of establishment	Intake
B.E. (Instrumentation & Control Engineering)	2011	60

4. **Names of interdisciplinary courses and the departments/units involved:**

Sr.No.	Interdisciplinary Subject	Department
01	Environmental Science	Civil
02	Communication Skills	Applied Science
03	Applied Mathematics	Applied Science

5. **Annual/ semester/choice based system (Programme wise):**

Sr.No	Name of Program	Type
1	B.E. (Instrumentation & Control Engineering)	Semester System

6. **Participation of Department in the Courses Offered By Other Departments:**

Sr.No.	Name of Lab Shared	Department
1	PLC Lab	Electrical, Electronics & Power Engg.
2	Digital & Microprocessor Lab	Electrical, Electronics & Power Engg.
3	Control System Lab	Mechanical Engineering
4.	Transducer Lab	Mechanical Engineering

7. **Courses in collaboration with the other universities/ Industries/Foreign institutions:** Nil

8. **Details of Courses/programmes discontinued :**

The department's intake has been reduced to zero since academic year 2015-16 Reason: Decline in admission in recent years due to lack of awareness in society about the course.

9. Number of teaching posts for the department as under:

	Sanctioned	Filled
Professor	01	00
Associate Professor	02	00
Assistant Professor	05	05

10. Faculty Profile:

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for last 4 years
1	Mr. B.A. Patil	ME, Ph.D.(Pursuing)	Asst. Professor	Neural & Fuzzy	25	Nil
2	Mr. G.R. Basole	ME, Ph.D.(Pursuing)	Asst. Professor	Field Instrumentation	19	Nil
3	Mr. N. S. Hussain	ME(Biomedical)	Asst. Professor	Biomedical Instrumentation	17	Nil
4	Ms. R. J. Pawar	ME(Instrumentation & Control)	Asst. Professor	Control System	08	Nil
5	Mr. G. L. Deshmukh	ME(Instrumentation & Control)	Asst. Professor	Electronic Instrumentation	05	Nil

11. List of senior visiting faculties: Nil
12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Sr No	Percentage of Lecture delivered	Percentage of Practical handled
1	36.36	58.82

13. Student-Teacher ratio:

Sr. No.	Programme	Student:Teacher ratio
1	Bachelor of Instrumentation & Control Engineering	15:1

14. Number of academic support staff:

	No of Staff
Supporting Staff	01
Academic Support Staff (Technical)	00

15. Qualification of teaching faculty:

Qualification	No. of Staff
PhD	-
PhD pursuing	02
ME	03

16. No of Faculties with ongoing projects a) National b) International: Nil
17: Department Projects funded & grants received: Nil
18. Research Center/ facility recognized by university: NIL
19. Publications:

Sr.No.	Name of the Staff/ Student	Publication per faculty/ Student (Conference & Journal)	Citation Index	Impact factor (Max)
2	Mr. G.R. Basole	01	-	-
3	Ms. R.J. Pawar	01	02	-
4	Mr. G.L. Desmukh	01	-	-

20. Areas of consultancy and Income Generated:Nil
21. Faculties as members in

Sr. No.	Name of Faculty	Members on Committees (National/State)
1.	Mr. B.A. Patil	Member of inspection committee of MSBTE
2.	Mr. G.R. Basole	Corporate member of IE(I) Aurangabad local

Faculties as members of the professional bodies

Sr. no	Name of Faculties	Professional Bodies		
		ISA	ISTE	IE(I)
1	Mr.B.A. Patil	LM	-	
2	Mr. G.R. Basole	-	LM	AM
3	Mr. N.S. Hussain	-	LM	

22. Students Projects:

a) Percentage of students who have done in house projects- (In house project is a part of syllabus)

Year	% of in-house projects
2016-17	100
2015-16	100
2014-15	100

b) Percentage of students placed for projects in organizations outside the institute- Nil

23. Awards/Recognition received by faculty & students:

Sr. No.	Name of Student	Position	Event	Description
1.	Kamlesh Nawade	First	Volleyball	ZEST'15, COEP, Pune
		First	Volleyball	Pentacle 2015, Cummins
		Runner	Volleyball	Central zone ICT volleyball, Majalgaon college, Majalgaon
			Volleyball	National level Inter-engg. sports meet summit 2014 held at MIT, Pune
			Volleyball	Razzmataz 2015, JNEC Aurangabad.
2.	Pooja Deshpande	Gold medal	Boxing	National Hanel fight- Sirasa Hariyana 2014-15
		Silver Medal	Boxing	State chess boxing championship Aurangabad 2016
		Bronze Medal	Boxing	State boxing senior women championship 2016
		Represented university	Boxing	All India senior women boxing championship 2015-16

Sr. No	Name of faculty	Achievement (Award/Recognition) Provide details	Level of Recognition (International/ National/ State/ Local)	Year (from 2010-11 till date i.e. Nov 2016)
1	Mr. B. A. Patil	1. Registered for PhD at Dr. B.A.M.U. Aurangabad. 2. LIC committee member for Dr. BAMU 3. Board of studies member for syllabus revision at Dr. BAMU	Local	2010-2016
2	Mr. G. R. Basole	1. Elected unopposed for IEI Aurangabad local centre as a corporate member in electronics. 2. Board of studies member for syllabus revision at Dr. BAMU.	Local	2010-2016

Sr. No	Name of Student	Achievement (Award/Recognition) Provide details	Level of Recognition	Year (from 2010-11 till date i.e. Nov 2016)
1	Yuvraj Tipale	University topper 2014-15 Dr. BAMU All branches	Local	2014-2015
2	Pooja Ukhale	Topper in ICE faculty in Dr. BAMU Aurangabad	Local	2015-2016

24. List of eminent academicians and scientist/ visitors to the departments:

Sr. No.	Name of academicians/ scientist	Designation & Organization	Date
1.	Dr. Kaustubh Chakrabarty	Former Scientist, NPL	6 th October 2015
2.	Dr. V.S. Padhye	Associate Professor, Government College of Arts & Science	28 th October 2015

25. Seminars/ conferences/ workshops organized & source of funding :

Workshops arranged for ICE students:					
Sr. No.	Date /Duration	Events	Experts	Objective	Funding
1.	19 th & 20 th October 2012	Calibration Techniques	Mr. Nitin Bagul, Technovision Pvt. Ltd. Aurangabad.	Students understood the concepts practically with hand on experience of calibration of various sensors and transmitters.	Self-Financed
2.	26 th March 2015	Security Systems	Mr. Shridhar Iyengar, Director, Tirupati electromech	Students got real life experience about different building automation sensor and their integration	Self-Financed

26. Student profile programme/course wise:

Name of Course/ programme	Applications received	Enrolled		Pass Percentage
		M	F	
2015-16	The admissions made as per the rules & regulations of Directorate of Technical Education and the affiliating university	21	02	92.00
2014-15		33	17	95.65

27. Diversity of students:

Name of course	% of students from the same state	% of students from the other state
2015-16	99.2	0.8
2014-15	98.4	1.6
2013-14	98.8	1.2
2012-13	96.3	3.7

28. How many students have cleared national and state competitive examinations as NET, SLET, GATE, Civil services, Defense services:

Academic Year	No of students cleared GATE
2015-16	Nil
2014-15	01

29. Student progression:

	Academic year	
Student progression %	2015-16	2014-15
UG to PG	4%	8%
PG to Ph.D.	NIL	NIL
Employed		
☐ Campus selection	13.63%	28.57%
☐ Other than campus	12%	10%
Entrepreneurship/ Self-employment	Nil	Nil

30. Infrastructural facility:
a) Library:

The department shares the centralized library facility.

Sr. No.	Course Name	No. of Titles available	No. of Vols. Available	Journals
1.	BE (Instrumentation & Control Engg.)	353	1400	03

b) Internet facilities for staff & students:

Department is having computer lab with 26 PC. Internet facility of 48 MBPS line is shared to access. Every lab is having the internet node for students and staff. Firewall and antivirus protection is provided to prevent misuse of internet.

c) Class room with ICT facility:

The department having on class room harnessed with ICT facility, where high definition LCD projector, public addressing system, white board, stand alone PC and net connectivity is provided. The seating capacity of the hall is 80 along with desks, podium, chairs etc. For best viewing, windows are covered with curtains.

d) Laboratories:

In engineering teaching & learning laboratories play important role. Taking the same essence 10 laboratories are developed viz:

Sr.No.	Name of Lab	Area of Lab	Total Cost
1.	Transducer System Lab	82.88 Sq.m	879650.60
2.	PLC Lab	82.88 Sq.m	416394.00
3.	Process Control Lab	82.88 Sq.m	9.40
4.	Control System Lab	82.88 Sq.m	308171.00
5.	Analog Electronics Lab	62 Sq.m	237787.30
6.	Measurement System Lab	62 Sq.m	287046.50
7.	Signal Processing Lab	82.88 Sq.m	331802.40
8.	Bio-Medical Lab	82.88 Sq.m	77153.90
9.	Digital and Microprocessor	82.88 Sq.m	133399.40
10	Computer Simulation Lab	82.88 Sq.m	792462.40
Total Cost of Equipments			Rs.46,30,337.20/- Rs.46.30 Lac

The laboratories are upgraded with the experimental setups required as per syllabus & beyond syllabus too.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Academic year	College	University	Government Scholarship						
			EB C	Minority	S C	OB C	SB C	S T	VJN T
2015-16	01	-	51		9	21	04	00	15
2014-15	-	-	50		21	67	03	00	31
2013-14	-	-	33		06	09	02	00	06

32. Student enrichment programme :

Sr. No.	Year	No of Guest Lecture	No. of Industrial Visit	No. of Workshops / Conference
1	2016-17	02	02	00
2	2015-16	04	03	00
3	2014-15	02	03	01
4	2013-14	01	01	00
5	2012-13	01	01	01

Inplant Training:

Sr. No.	Name of student	Name of Industry	Duration
1.	Shivani Dhobale	Endress+Hauser Pvt. Ltd. Aurangabad	02/07/2015 to 18/07/2015
2.	Ankita Amte	Endress+Hauser Pvt. Ltd. Aurangabad	02/07/2015 to 18/07/2015
3.	Sayyed Shahnawaz	Wockhardt Limited, Aurangabad	01/07/2015 to 15/07/2015
4.	Aditya Kulkarni	Wockhardt Limited, Aurangabad	01/07/2015 to 15/07/2015

33. Teaching Methods adopted:

Chalk & talk method of teaching sometimes supported by audiovisual teaching aids for clear understanding. The topic of syllabus is opened with relevant dialogs & examples to involve the students. Various day today examples are discussed time to time for better understanding The following methods are used frequently to make students learn effectively:

- Power Point Presentations
- Use of NPTEL video lectures
- Animated Videos explaining technical concepts effectively
- Last five minutes oral quiz on topic taught in particular lecture

34. Participation in Institutional Social Responsibility (ISR) and extension activities:

Our motto is ‘Technology for humanity’ adhering to that our technical exhibits remains for the society. Improvisation of technology through academic project remains for society benefits.

- Participating in regular plantation carried out at college level in our campus barren lands.
- We render our duties to old age homes, orphanages, physically challenged persons & NGO’s
- We participate in NSS activity under university NSS scheme.

35. SWOC analysis of the department and future plans:

Strengths:

- Good blend of experience & enthusiasm
- Rare stream of engineering
- Interdisciplinary approach
- Good Placement & interaction with industry

Weakness:

- less society awareness about ICE.
- less appreciation by student during admission.

Opportunities:

- Due to its interdisciplinary nature wide opening in almost all sectors of industry & life.

Challenges:

- Creating awareness about the branch in society.
- Due to less admission its difficult to run the course.

EVALUATIVE REPORT-BIOTECHNOLOGY

1. Name of the department: - Biotechnology

2. Year of Establishment: - 2008

3. Names of Programmes / Courses offered (UG, PG, etc.) :-

Name of Program	Year of establishment	Intake
UG (Biotechnology Engineering)	2008	60

4. Names of Interdisciplinary courses and the departments/units involved: yes

Sr.No.	Name of Interdisciplinary Course	Department
1	Unit Operation , Biological Chemical Engineering, MHT, Process Calculations,	Dept. of Chemical Engineering
2	Introduction to biological programming	Dept. of Civil Engineering
3	Engineering Mathematics	Dept. Applied Sciences
4	Communication Skills	Dept. of Foreign language
5	Animal cell science and technology, Advanced Genetic Engineering, Immunology Principles of Tissue Engineering, Plant Tissue Engineering	MGM's Institute of Biosciences and Technology
6	Environmental Sciences	Dept. of Civil Engineering

5. Annual/ semester/choice based credit system (programme wise):-yes

Sr.No	Name of Program	Type
1	B.E. (Biotechnology Engineering)	Semester System

6. Participation of the department in the courses offered by other departments: -

Sr. No.	Name of Department	Course Name
01	Institute Of Biosciences and Technology	Fundamentals of cell Biology Fermentation Technology

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:- Nil

8.Details of courses/programmes discontinued (if any) with reasons:

Sr.No	Name of the Programme	Reason
1.	B.E. Biotechnology	No Admission
2	M.E. Biotechnology	No Admission

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	01	01
Associate Professors	02	00
Assistant Professors	05	06

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D. Students guided for the last 4 years
				Teaching (Years)	Industry (Years)	
Dr. S. N. Harke	PH.D - Biochemistry	Head of Dept. Asst. Professor	Biochemistry	18	05	00
Dr. S. D. Saptarshi	PH.D – FOOD Technology	Assistant Professors	Bioprocess Technology	6	00	00
Ms. M. G. Phalphale	MSc- Biochemistry	Assistant Professors	Medicinal Biochemistry	7	00	00
Mr.S.G.Jadhav	MSc Biotechnology	Assistant Professors	Biotechnology	03	02	00
Dr.G.B.Janvale	PHD Computer Science	Assistant Professors	Computer Science	10	00	00
Dr.N.S.Paul	PHD Medical Biotechnology	Assistant Professors	Medical Biotechnology	1.10	02	00
Dr. M. S. Kachole	Post.Doc- Biochemistry	Em. Professor	Protease Inhibitor	40	00	10

11. List of senior visiting faculty –

Name of Faculty	Teaching Subject	Qualification	Experience
Mr. Shrikant Pathak	Biochemistry, Enzyme Engineering and Technology	MSc, NET, SET	40 yrs

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty – NIL

13. Student -Teacher Ratio (programme wise) -

Sr.No	Program	Student -Teacher Ratio
1	UG (BE-Biotechnology)	6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Academic support staff	Academic support staff
Technical staff	-
Administrative staff *	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty
Ph.D.	05
M.E./M. Tech /MSc Completed	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received –National- 01-Inprocess

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Project Title	In charge Faculty	Funding Agency	Amount	Research Progress
1	Studies on fibrinolytic enzyme, Nattokinase (Submitted on 05/08/2015; In Pipeline)	Dr. S. D. Saptarshi	UGC	5,00,000	Inprocess
Total Amount =				5,00,000	

18. Research Centre /facility recognized by the University – Nil
19. Publications:

Sr. No.	Faculty Names	Publication by Faculty	Papers Published by Faculty & Student	No. of publications listed in International Database	Citation index	Impact Factor
1	Dr S N.Harke	01	01	-	10	1.54
2	Dr S.D.Saptarshi	03	02	03	2	-

20. Areas of consultancy and income generated: NIL
21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Committees	Names	No. of Faculty
National committees	IEI	01
	Biotechnology Research Society of India (BRSI)	Life Member 01
	ACTRA	01
International Committees	Nil	00
Reviwer of International Pear Reviwed Journals	03 International Papers reviewed*	01
Editorial Boards	Journals	00

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

Year	2015-2016	2014-2015	2013-2014	2012-2013
% In-house Projects	100	100	100	100

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : Nil

23. Awards / Recognitions received by faculty and students:

Student Achievements: University Rankers

Sr No	2012-2013	2013-2014	2014-2015	2015-2016
1	Ms. Sheetal Jadhav	Ms. Amita Puranik	Mr. Kaustubh Jadhav	Mr. Abhishek R
2	Ms. Sharmila Biswas	Mr. Ketan Narote	Ms. Sanika Kadam	Ms. Baha Khan & Mr. Suraj Atram
3	Mr. Ashish Bedmutha	-	Mr. Sunit Joshi	Ms. Rina M

24. List of eminent academicians and scientists / visitors to the department:

Sr. No	Name	Designation	Organization
01	Dr. Deepak Modi	Senior Scientist	NIRH, Mumabi
02	Dr. Bishwajit Kundu	Associate Prof.	IIT Delhi
03	Dr. Rebinder Henry	Director	Pralhad P. Chhabria Research Center
04	Dr. Nitin Desai	Associate Prof.	Amity University
05	Dr. Wakte	Head & Prof.	Chemical Technology, Dr.BAMU

25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International:Workshops Attended/Organized

Sr. No.	Year	Date	Activity Description	Details.	No. of Participant	Developed/ Organized by
1	2016	3 to 6 Oct	Workshop Organized	Hands on Training- HPLC and GC	06	In association with MGM'S – IBT and Chrom

						Analytical
2	2014	7 April	Organized World Health Day	Displayed posters to create awareness regarding various diseases and disorders prevailing in society	60	Biotechnology Engineering Department

National/International Conferences Organized/attended

Sr. No.	Year	Date	Activity Organized	Details	No. of participant	Developed/ Organized by
01	2012	Feb 16to18	National Conference	Bird's Eye View on Biosciences Research and Academics	75	MGM'S – IBT and JNEC

26. Student profile programme/course wise

Name of the Course/ programme	Applications received	Selected	B.E.		Pass %
			M	F	
2015-16	The admissions made as per the rules and regulations of Directorate of Technical Education and the affiliating University		14	13	96.3
2014-15			06	05	90.91
2013-14			17	20	71.79
2012-13			12	16	85.71
2011-12			09	18	100

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States
Biotechnology engineering	2015-16	100	00
	2014-15	100	00
	2013-14	100	00
	2012-13	100	00
	2011-12	100	00

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Examination Qualified	2011-12	2012-13	2013-14	2014-15	2015-16
GATE	04	04	03	NIL	02
GRE	NIL	NIL	NIL	NIL	01
TOEFL/IELTS	NIL	NIL	NIL	NIL	01
BCIL	03	02	01	NIL	03
CMAT	NIL	04	NIL	NIL	NIL

29. Student progression

Student progression %	2012-13	2013-14	2014-15	2015-16
UG to PG	48	15	55	18
PG to Ph.D.	00	00	00	00
Employed -Campus selection	00	00	00	00
-Other than campus recruitment	14	40	27	11

30. Details of Infrastructural facilities

a) Library

Statistical information of Library books

Sr. No	Course Name	No. of Titles available	No. of Vols. available
1	BE (Biotechnology Engg.)	176	856

b) Internet facilities for Staff & Students

Computers for Faculties	02(PCs)
Computer Lab	26 (pcs)

a) Class rooms with facility – 04

d) Laboratories

Sr. No.	Name of Laboratory	Cost	Area	Major Equipment
1	Microbiology	17,38,030	75.60sqm	Cooling Centrifuge (Remi), Fluorescence Microscope, Biosafety Cabinet (Imset)
2	Fermentation	7,84,714	57.60	Orbital Shaker incubator (Remi), Vertical Microscope
3	Biochemistry	15,15,929	71.06	UV Visible Spectrometer (Bioera), Imaging System Floid
4	Genetic Engg	27,32,216	71.60	Gel Doc, 2D Electrophoresis, HPLC
5	Plant Tissue culture	6,01,000	9.60	NIL
	Animal Tissue Culture	21,37,000	9.60	CO2 Incubator, Biosafety Cabinet, Tali, Incubator Shaker
	Immunology	6,36,500	9.60	ELISA Reader, Incubator
	Computer Lab	54,18,500	73.27	Eton Online, Sun Solaris Cluster Server, Sun Work Station, Sonic Wall Firewall, Junifer L3 Switch
	Molecular Biology	6,24,124	75.20	Cooling Centrifuge, Deep Freezer (-86 °C)
	Bioinstrumentation	19,86,450	85.60	Nanopure II, Hybridization oven, Upright Microscope, Inverted Microscope, Fluorescence Microscope

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic year	College	University	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	-	-	06	14	07	02	02	07
2014-15	-	-	11	17	09	03	02	07
2013-14	-	-	13	21	13	01	01	17

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :

Sr.No.	Year	No of Guest Lecture	No. of Industrial Visit	No. of Workshops / Conference
1	2016-	00	1	01
2	2015-	02	5	0
3	2014-	02	2	0
4	2013-	04	2	3
5	2012-	00	2	3

33. Teaching methods adopted to improve student learning

- Use of chalk and duster, white board,
- Usage of audio video aids is sufficiently done to enhance learning.
- Use of Smart Class Room.
- Use of NPTEL videos.
- Charts and software's.
- E-books from Springer Publication.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Charity for students and staff members in MGM hospital.
- Health care awareness Programme
- Women Empowerment programs
- Participating NSS Camps
- Involving students in various activities related to environment like solar, tree plantation, pollution checking.

35. SWOC analysis of the department and Future plans**Strengths:**

- Good infrastructure in terms of classrooms, Laboratories.
- PhD. and experienced faculty covering the major aspects.
- Motivation for student to participate for co-curricular And Extra Curricular Activities.
- Consistent good result of the Students.
- Well-equipped and specious laboratories.

- Innovative teaching and learning methodologies are being adopted by arranging training/Workshops/guest lecturers etc so as to encourage students and faculty to develop to their fullest potential.
- Department has a culture of teaching beyond curriculum through industry visits, expert lectures in order to make education more relevant to current and future needs of industry and society.

Weaknesses:

- Lack of Industrial research and consultancy.
- Faculty authored text books published by renowned publishers needs to be improved.
- The faculty members need be motivated for several patents, copyrights, disclosures and technology transfers.

Opportunities:

- Strengthen Academic Performance Of Department.
- Opportunities for national and international collaborations, partnerships in research, education and training are high.
- To apply and obtain research funding from various national and international agencies
- To strive continuously to impart knowledge and skills of the highest Academic standard.

Challenges:

- Improvement in Students Communication and Soft Skills.
- Improve placement.
- Improvement in Curriculum, updating to fetch industrial requirement.

Future Plans:

- To increase industry – Department Collaboration
- To raise funds by way of projects

EVALUATIVE REPORT-APPLIED SCIENCE DEPARTMENT

1. **Name of the department** : Applied Science Department

2. **Year of Establishment** : 1983

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph. D., etc.):** UG – First Year Engineering

4. **Names of Interdisciplinary courses and the departments/units involved:**

Sr. No.	Name of Interdisciplinary Course	Department
1	Engineering Graphics, Basics of mechanical engineering	Mechanical Engg.
2	Basics of civil engineering, Engineering Mechanics	Civil Engg.
3	Basics of electrical engineering	Electrical Electronics and Power Engg.
4	Computer fundamentals-I, II	Computer Science Engg., Information Tech., MCA Dept.
5	Electronics Engineering	Electronics and Telecommunication Engg.

5. **Annual/ semester/choice based credit system (programme wise):** Semester: Choice based credit system: Started from Academic year 2016-17, Part-I.

6. **Participation of the department in the courses offered by other departments:**

Sr.No.	Course offered	Department
1	Engineering Maths-III	Mechanical, Chemical, Civil, EEP, ECT, IT, CSE
2	Engineering Maths-IV	Mechanical, Chemical, Civil, EEP, ECT, IT, CSE
3	Engg. Chemistry	Chemical Engg.
4	Physical Chemistry and Thermodynamics	Chemical Engg.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:NIL

8. Details of courses/programmes discontinued (if any) with reasons:

A large number of new Engg. Colleges were set up in and around the district due to which students to admission in near by college itself. Hence JNEC decided to close down the second shift of Mech, ECT, CSE and EEP branches in the year 2014-15.

9. Number of teaching posts

	Sanctioned	Filled
Professors	02	01
Associate Professors	04	01
Asst. Professors	12	16

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students
1.	Dr. V. M. Arole	M. Sc. (Physics), Ph. D.	Professor	Solid State Physics	25 year 9 months	NIL
2.	C.M. Deshpande	M. Sc. (Appl. Maths)	Asso. Prof	Applied Mathematic	29 years	NIL
3.	S. R. Khillare	M. Sc. (Maths), B. Ed	Asst. Prof.	Pure Mathematic	11 year 5 months	NIL
4.	J. G. Gawai	M. Sc. (Phy. Chem), B. Ed	Asst. Prof.	Physical Chemistry	11 year 5 months	NIL
5.	K. R. Zakde	M. Sc. (Physics), B. Ed, M. Ed,	Asst. Prof.	Solid State Physics	8 year 9 months	NIL
6.	Dr. S. N. Deshmukh	M. Sc. (Org. Chem), B. Ed	Asst. Prof.	Organic Chemistry	6 year 10 months	NIL
7.	Dr. L. D. Chavan	M. Sc. (Org. Chem), B. Ed	Asst. Prof.	Organic Chemistry	7 years	NIL
8.	U. D. Dhake	M. Sc. (Maths), B. Ed.	Asst. Prof.	Differential Equations	6 years	NIL
9.	Dr. T. S. Pawar	M. Sc. (Pure Maths), M. Phil,	Asst. Prof.	Pure Mathematic	7 years	NIL
10.	Dr. G. C. Lomte	M. Sc. (Pure Maths), M. Phil,	Asst. Prof.	Partial Differential	4 years 10 months	NIL

11.	A. B. Itolika	M. Sc. (Physics)	Asst. Prof.	Electronics	3 years 10 months	NIL
12.	S. K. Kale	M. Sc. (Pure Maths), B. Ed.	Asst. Prof.	Pure Mathematic	3 years 4 months	NIL
13.	U. V. Deshmukh	M. Sc. (Maths), B. Ed.	Asst. Prof.	Pure Mathematic	2 years 10 months	NIL
14.	Dr. S. B. Sapkal	M. Sc. (Org. Chem), Ph. D.	Asst. Prof	Organic Chemistry	2 years 5 months	NIL
15.	Dr. S. D. Dindulkar	M. Sc. (Org. Chem), Ph. D.	Asst. Prof	Organic Chemistry	2 years 6 months	NIL
16.	Dr. R. P. Jaybhaye	M.A., M.Phil, Ph.D.	Asst. Prof	Communication Skills	16 Years	NIL
17.	Ms. J. B. Mohanty	M.A.(Eng), B.Ed.	Asst. Prof	Communication Skills	04 Years	NIL
18.	Ms. Y. S. Patil	M. Sc. (Pure Maths)	Asst. Prof.	Pure Mathematic	04 Years	NIL

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary Faculty:

Sr No	Percentage of Lecture	Percentage of Practical
1	50	29

13. Student -Teacher Ratio (programme wise):

Academic Year	Student-Teacher Ratio
2016-17	09:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic support staff	-	01
Supporting staff	-	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Sr. No.	Qualification	Number of Faculty
1	Ph.D.	09
2	P.G.	09

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Financial Year	Name of Faculty	Name of funding agency	Title of the project	Amount received (In Rupees)
1	2014-15	Dr. S. B. Sapkal	UGC	“Thiamine hydrochloride (VB ₁) in synthesis of some heterocyclic compounds”	235000 (Sanctioned)

18. Research Centre /facility recognized by the University: Approved Ph.D. center by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

19. Publications:

Sr. No.	Faculty Names	Publication by Faculty	No. of publications listed in International Database	Books with ISBN/ISSN No.	Citation index	h-index
1	Dr. V. M. Arole	23	23	1	-	-
2	J. G. Gawai	3	02	-	-	-
3	K. R. Zakde	7	04	-	-	-
4	S. N. Deshmukh	3	03	-	-	-
5	L. D. Chavan	5	05	-	-	-
6	Dr. T. S. Pawar	5	00	-	-	-
7	Dr. G. C. Lomte	4	04	1	-	-
8	A. B. Itollikar	4	04	-	-	-
9	Dr. S. B. Sapkal	32	28	-	310	13
10	Dr. S. D. Dindulkar	11	11	-	-	-

Books with ISBN/ISSN numbers with details of publishers

Name of Faculty	Name of Book	ISBN Number	Name of Publisher
Dr. V. M. Arole	A Text Book of Engineering Physics	ISBN/978/81/930896/3/	Vidhyarthi Bhandar, Aurangabad
S. R. Khillare	A Text Book of Engineering Mathematics-I	ISBN/978/81/930896/3/7	Vidhyarthi Bhandar, Aurangabad
	A Text Book of Engineering Mathematics-II	ISBN/978/81/930896/3/	Vidhyarthi Bhandar, Aurangabad
	A Text Book of Engineering Mathematics-III	ISBN/978/81/930896/3/	Vidhyarthi Bhandar, Aurangabad
	A Text Book of Engineering Mathematics-IV	ISBN/978/81/930896/3/	Vidhyarthi Bhandar, Aurangabad
Dr. G. C. Lomte	A Text Book of Engineering Mathematics-I	ISBN/978/81/930896/3/7	Vidhyarthi Bhandar, Aurangabad

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

- a) National committees: NIL
- b) International Committees: NIL
- c) Editorial Boards: 02

Sr.No	Name of Faculty	Name of Editorial Board
1	Dr. G. C. Lomte	Member of Editorial Board of Journal : International Journal of Advance Scientific Research and Engineering Trends
2	Dr. S. B. Sapkal	Member of Editorial team of “International Journal of Green Chemistry”.

22. Student projects: NA

23. Awards / Recognitions received by faculty and students: 01

Dr. V. M. Arole	Conferred Gaurav patra (Appreciation letter) on 5 th Sept. 2013 by Lions Club Gold, Aurangabad for notable contribution in Education Field.
	Awarded Shiksha-Ratna award by India-International Friendship Society, New Delhi in Dec. 2014
	A member of Senate, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-2012. Chairman, Board of Studies, Electrical, Electronics and Power Engg, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-2013.
Dr. S. B. Sapkal	Pre-Sci. Congress at Dr. BAMU Aurangabad- 1st Prize Oral presentation-2015

24 List of eminent academicians and scientists / visitors to the department:

Dr. K. G. Narayankhedkar, Dr. P. B. Patil, Dr. S. K. Nimbhorkar, Dr. R. M. Mane

25. Seminars/ Conferences/Workshops organized & the source of funding:

- Two days workshop on Engineering Mathematics for MGM's faculty from Aurangabad, Nanded and Mumbai, 13-14 May 2016 organised by JNEC at JNEC Campus A'bad.

26. Student profile programme/course wise:

Name of the Course/programm: FE Engineering	Applications received	Selected (Total Admitted)	Enrolled		Pass percentage
			*M	*F	
2015-16	As per DTE	641	410	231	83.2
2014-15		677	430	247	89.7
2013-14		838	531	307	90.4
2012-13		867	554	313	87.4

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States
2016-2017	99.83	0.17
2015-2016	99.21	0.78

2014-2015	99.12	0.88
2013-2014	99.29	0.71
2012-2013	98.62	1.38

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:
NA

29. Student progression: NA

30. Details of Infrastructural facilities

a) Library:

Titles	856
Volumes	3823

b) Internet facilities for Staff & Students: YES (Central Computer Lab)

c) Class rooms with ICT facility: NIL.

d) Laboratories: 02

Engineering Laboratory	Physics	Laboratory Area	96.54 sqm
		Laboratory Utilization	40 hrs/week
		Name of Lab In charge	Prof. K. R. Zakde
Engineering Laboratory	Chemistry	Laboratory Area	79.22 sqm
		Laboratory Utilization	38 hrs/week
		Name of Lab In charge	Prof. S. N. Deshmukh

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic year	Coll ege	Univers ity	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	13	-	94	77	125	12	06	75
2014-15	13	-	107	81	119	15	06	85
2013-14	04	-	156	106	137	15	06	97

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Sr.No.	Year	No of Guest Lecture	No. of Workshops / Conference
1	2016-17	02	-
2	2015-16	04	01
3	2014-15	04	-
4	2013-14	03	-
5	2012-13	03	-

33. Teaching methods adopted to improve student learning

- Usage of audio video aids is sufficiently done to enhance learning
- Innovative techniques like Quiz
- Charts
- E-books.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- NCC
- Students participate in Blood Donation Camps
- NSS Camps
- Charity for students and staff members in MGM hospital.
- Health care awareness Programme
- Women Empowerment programs
- Involving students in various activities related to environment like solar, tree plantation, pollution checking.

35. SWOC analysis of the department and Future plans**Strength**

- The strength of Applied Science Department is well educated and dedicated faculty.
- The basic sciences laboratories are well equipped with all state of art facilities.

Weakness

- The faculty members keep on changing job frequently. The new faculty needs some time to get acquainted with students and college culture.

Opportunities

- To develop interest in basic sciences which is backbone of engineering studies.
- To motivate students for class room learning thus creating sound academic environment

Challenges

- To enhanced awareness of students for engineering studies thereby improve the first year engineering results.
- To improve conceptual understanding of students along with its practical applications in day today life with a special emphasis in engineering fields.

Future Plan of Department

- The main objective of Applied Science Department is to build and enhance confidence level of first year engineering students so that they can successfully face the engineering course exam and obtain good results.
- The student should be capable of using basic skills to solve engineering problems.
- To create the science centre for popularization of basic sciences among the engineering students.
- To develop well equip research lab of basic sciences for the benefit of engineering students.

EVALUATIVE REPORT-MASTER OF COMPUTER APPLICATIONS

1. Name of the department: Master of Computer Applications (MCA).

2. Year of Establishment: 2008

3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Name of Program	Year of establishment	Intake
Master of Computer Applications	2008	60

4. Names of Interdisciplinary courses and the departments/units involved:

Academic year	Department	Subjects
2011-12	Computer Science & Engineering Dept. of Foreign Language	LOS, DS, CS
2012-13	Information Tech.	MTL
2012-13 to 2015-16	Dept. of Foreign Language	Professional Comm. Skills

5. Annual/ semester/choice based credit system (Programmewise):

Sr. No.	Name of the Program	Type
1	FY & SY MCA	Choice based Credit system
2	TY MCA	Semester System

6. Participation of the department in the courses offered by other departments:

Sr. No.	Department	Subject
1	CSE & App. Sc.	MPCO& EECF
2	CSE & App. Sc.	OS, EECF
3	IT, CSE & App. Sc.	TOC, DAA, EECF, CN2,OS
4	IT, CSE & App. Sc.	OS, SE, EECF
5	Applied Science	EECF
6	Applied Science	CF-1, CF-2

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programs discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Teaching Post	Sanctioned	Filled
Professors	1	0
Associate Professors	2	0
Assistant Professors	9	12

10. Faculty profile with name, qualification, designation, specialization, (Ph.D.)

Name	Qualification	Designation	Specialization	No. of Years of Experiences
Ms..A. R.Tungar	ME(CSE), Ph.D, Pursuing	Asst .Prof & Head	Computer Science& Engineering	19
Dr. S. N. Deshmukh	MCA, Ph.D.	Asst .Prof	Computer Engineering	10
Mr..V. S. Agrawal	MCA	Asst. Prof	Management Science	07
Ms. K. D. Zinjurde	M.Sc.	Asst. Prof	Computer Science	06
Ms. S. R. Kondekar	MCA	Asst. Prof	Management Science	10
Mr. G. R. Agarwal	MCA, M.Tech (CSE)	Asst. Prof	Computer Technology	18
Mr. P. P. Kadam	MCA	Asst. Prof	Computer Engineering	04
Mr. N. R. Yadav	MCA	Asst. Prof	Computer Engineering	04
Ms. A. A. Dudhgaonkar	MCA	Asst. Prof	Management Science	03
Mr. K. K. Misal	MCA	Asst. Prof	Management Science	04
Mr. S. S. Parwe	MCA	Asst. Prof	Computer Engineering	03
Ms. A. S. Solanke	MCA	Asst. Prof	Computer Engineering	02

11. List of senior visiting faculty:

Sr. No	Academic Year	Name of Faculty	Area of specialization
1	2016-17	Dr. Satish Dhage	Competency skills
2	2014-15	Mr.Adinath Giri	Java programming

12. Percentage of lectures delivered and practical classes handled (Programmewise) by temporary faculty:

Sr. No.	Year	% of lectures delivered	% of Practical Classes handled
1	2016-17	41.07%	62.85%

13. Student -Teacher Ratio (Programmewise):

Sr. No.	Programme	Student: Teacher ratio
1	Master of Computer Application	6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr. No.	Academic support staff	No. of supporting staff
1	Supporting Staff	01

15. Qualifications of teaching faculty with Ph.D/ PG.

Sr. No.	Qualification	No. of Teaching Faculties
1	MCA, Ph.D.	01
2	PG (M.E./M. Tech/M.C.A)	11

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Name of Faculty	Name of funding agency	Title of the project	Broad Area	Date of submission	Amount
1	Dr. S. N. Deshmukh	UGC	“Text substitution detection using Hidden Markov Model”	Computer Science	08/08/2015	460000

18. Research Centre /facility recognized by the University: Nil

19. Publications:

Sr. No.	Name of Faculty	Publication of Faculty	Number of publications listed in International Database	Citation Index	Paper with impact factor	H-index
1	Ms..A.R.Tungar	7	--	--	--	--
2	Dr. S.N.Deshmukh	5	--	18	2.05	3
3	Mr. V.S.Agrawal	1	--	--	2.5	--
4	Mr. K.K.Misal	1	--	--	2.5	--
5	Mr. G. R. Agarwal	8	--	--	--	--

20. Areas of consultancy and income generated: Nil
21. Faculty as members in:

Committee	Faculty	Details
a. National Committee	Prof. A.R.Tungar, Prof. N.R.Yadav	Member Computer Society of India
	Dr.S.N.Deshmukh	Member Indian Science Congress Association
b. International Committee	Prof. A.R.Tungar	Member ISTE , IEEE
	Dr.S.N.Deshmukh	Member ACM
c. Editorial Board	Prof. A.R.Tungar	Board of studies, GECA(MCA), University representative
		Member of syllabus revision committee (CSE, IT & MCA) at BAMU
		Reviewer in “ Second International conference on Information and Communication Technology for Competitive strategies” , Udaipur, Rajasthan, Proceeding by ACM-ICPS volume ISBN no 978-1-4503-3962-9, 4-5 Mar, 2016
	Dr.S.N.Deshmukh	Reviewer in “The First International Conference on Research in Intelligent Computing in Engineering (RICE_2016), Nagpur, India, April 8-9, 2016
		Reviewer in “2nd International Conference on Cognitive Knowledge Engineering (ICKE-2016), Dr. Babasaheb Ambedkar Marathwada University, University Campus, Aurangabad

Professional Body Membership:

Sr. No	Professional Body	Count
1	IEEE	01
2	ISTE	01
3	CSI	02
4	ACM	01
5	ISCA	01

22 .Student projects

a) Percentage of students who have done in-house projects including inter departmental/program:

Sr. No.	Academic Year	Percentage of Students(% of in-house projects)			
		FY		SY	
		Sem-1	Sem-2	Sem-1	Sem-2
1.	2011-12	100	100	100	100
2.	2012-13	100	100	100	100
3.	2013-14	100	100	100	100
4.	2014-15	100	100	100	100
5.	2015-16	100	100	100	100
6.	2016-17	100	100	100	100

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **NIL**

23. Awards / Recognitions received by faculty and students

Sr. No	Name of Faculty	Achievement (Award/Recognition) Provide details	Level of Recognition (International/ National/ State/ Local)
1	Ms. A. R. Tungar	Pursuing Ph.D.	University
2	Dr. .S. N. Deshmukh	Awarded Ph.D.in 2015-16	University

Sr. No.	Name of Student	Achievement (Award/Recognition) Provide details	Level of Recognition (International/ National/ State/ Local)
1	Atul Chandage, Vrushali Kulkarni & Sanika Magare	final year project completed at Belgium	International
2	Mangesh Lokhande	short listed in top 50 students of Aurangabad region in C coding contest by Seed Info.	State

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		Tech.	
3	Ravindra Khandagale, Sachin Sase, Mayur Sarode, Atul Chandage & Sumit Ingole	Won prizes in state level project competition	State

24. List of eminent academicians and scientists / visitors to the department

Sr. No.	Year	Name of Academicians/ Visitors	Designation	Organization	Purpose to Visit
1	2014	Dr.S.C..Mehrotra	Professor, Computer Science Department	Dr. BAM University, Aurangabad	Lecture talk on Applications of GIS
2	2016	Dr. Namrata Mahernder	Asst. Professor, Computer Science Department	Dr. BAM University, Aurangabad	Lecture talk on Multicore programming

25. Seminars/ Conferences/Workshops organized & the source of funding

Sr. No.	Year	Name of the workshop	Duration	Source of Funding
1	2013-14	RDBMS(PL-SQL)	2 Days	Self-Financed
2	2014-15	Aptitude test problem solving	30 Days	Self-Financed

26. Student profile program/course wise:

Academic Year	Applications received	Selected	TY		Pass %
			M	F	
2015-16	The admissions made as per the rules and regulations of Directorate of Technical Education and the affiliating University		21	32	89.99%
2014-15			30	34	95.31%
2013-14			24	22	100%
2012-13			34	21	96.36 %

27. Diversity of Students

Name of the course	Year	% of students from the same state	% of students from other states	% of students from abroad
MCA	2016-17	100%	NIL	NIL
	2015-16	100%	NIL	NIL
	2014-15	100%	NIL	NIL
	2013-14	100%	NIL	NIL
	2012-13	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student progression

Student Progression%	2015-16	2014-15	2013-14	2012-13
PG to M. Phil	NA	NA	NA	NA
PG to PhD	--	--	--	--
PhD to Post-Doctoral	--	--	--	--
Employed				
• Campus Selection	85.71	11.15	-	9.75
• Other than Campus recruitment	2	15	10	02
Entrepreneurship/Self-employment	--	--	01	--

30. Details of Infrastructural facilities

a. Library: College central library

Sr. No.	Total No. of Volume Available	Total No. of Titles Available	Total No. of Print Journals Available
1	748	4272	13

b. Internet facilities for staff and students:

Sr. No.	Facility	Specification
1	Total No. of Computers	60
2	Internet Facility	60
3	Speed	48 MBPS

c. Class rooms with ICT facility: **01**

Two classrooms and all computer laboratories are provided with internet facility. The class rooms are spacious and well equipped with

the necessary infrastructure. One LCD projector available in the department.

d. Laboratories: 04

Sr. No.	Lab	Number of Computers	Equipment + Furniture Cost
1	DATA STRU LAB	22	624597/-
2	COMP. GRAPHICS LAB	21	558298/-
3	OPEN SOURCE LAB	21	610335/-
4	DATABASE LAB	21	710816/-

31. Number of students receiving financial assistance from college, university, government or other agencies:

Academic year	College	University	Government Scholarship					
			EBC	SC	OBC	SBC	ST	VJNT
2015-16	08	-	34	19	16	01	00	10
2014-15	17	-	47	22	23	02	00	11
2013-14	34	-	48	25	28	03	01	10

32. Details on student enrichment programs (special lectures /workshops/ seminar) with external experts:

Sr. No.	Year	No of Guest Lecture	No. of Industrial Visit	No. of Workshops
1	2016-17	8	1	3
2	2015-16	2	1	7
3	2014-15	2	2	3
4	2013-14	5	0	5
5	2012-13	3	1	4

33. Teaching methods adopted to improve student learning:

- The senior faculty members guide the other faculty members of the subject in understanding the fundamentals. Common strategies are finalized by senior faculty.
- Notes of various units are prepared right at the beginning of semester. This activity helps the faculty members of the same subject to maintain uniformity across various classes.
- To inculcate the knowledge delivery skills a faculty induction Program was conducted at the institute level. Faculty members from department are also encouraged to take up programs like Mission 10X which is framed in accordance with the need of teachers to develop teaching skills.

- Assignments are given to students based on each unit.
- Power point presentation and NPTEL resource materials are used by faculty for delivery of subject matters.
- Tutorial are organized for improving the problem solving skills
- Industrial visits are organized.
- Guest lecturers of eminent personalities from academic institute as well as Industries are organized to enhance the student's knowledge.
- Faculty Development Programs
- PIC (Programming in C) sessions in hands on approach
- Tutorial sessions allotted for the two subjects with minimum result.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Students actively participate in national days, 26th Jan, 15th August, 2nd Oct & 17 September.
- In A.Y. 2012-13 students donated grocery through NSS activity.

35. SWOC analysis of the department and Future plans:

Strengths:

- Well Equipped Computer Laboratories with latest Software.
- Subject Mentor scheme.
- Students motivated to participate in technical and social activities.
- Focus on current trends.

Weakness:

- Need to strategize High CET score students admissions.
- Recruitment through Campus interviews is less.
- Publications by faculty & students are very less.

Opportunities:

- Creating Job opportunities through Campus Interviews.
- Improvement in consultancy work.
- Motivate students to become entrepreneurs.

Challenges:

- Overcome the hindrances of psychological factors, economic backwardness through best effort to make the students well educated, motivated, a good citizen.
- Encourage faculty for research.
- Change students' mindset from web application to research oriented projects.

Future Plans

- Make all the classes technologically enabled(smart class enabled)
- Giving good pass percentage and improving employability.
- Conducting seminars through video conferencing
- Motivate faculty for book publication.

EVALUATIVE REPORT-ARCHITECTURE

1. Name of the department: Architecture

2. Year of Establishment: 1989

3. Names of Programmes / Courses offered (B.Arch, M.Arch, M. Phil., Ph.D.):

Name of Program	Year of establishment	Intake
UG (B.Arch)	1989	40
PG (M.Arch)	2015	20

4. Names of Interdisciplinary courses and the departments/units involved:

Sr.No.	Name of Interdisciplinary Course	Department
1	Communication Skills	Dept. of Foreign language
2	Surveying and Site planning	Dept. of Civil Engineering

5. Annual/ semester/choice based credit system (programme wise):

Sr.No	Name of the programme	Type
1.	B.Arch	Semester System
2.	M.Arch. (General)	Choice based credit system

6. Participation of the department in the courses offered by other departments:

Sr.No.	Courses offered	Department
1	Environmental Science and Services - III	Dept. of Electronics Engineering
2	Environmental Science and Services - IV	Dept. of Mechanical Engineering
3	Interior Design and Decoration	Department of Fine Arts

7. Courses in collaboration with other universities, industries, Reputed Architectural Firms, foreign institutions, etc.:

Sr.No.	Name of Architectural Firm	Architect Name	Specialization
1	Nadkarni Mahajan & Associates	Ar. Sharad Mahajan	Urban Design
2	Ar. Gangwal & Associates	Ar. Gangwal Alkesh	Interior Design

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3	Taru Aarav Associates, Aurangabad	Ar. Yogendra Ballal	Landscape Design
4	Ar. Manish Kale & Associates Aurangabad	Ar. Manish Kale	Apartments Design

8. Details of courses / Programmes discontinued (if any) with reasons: NIL

9. Number of Teaching Posts:

Teaching Post (UG)	Sanctioned	Filled
Professor Design Chair	1	1
Professor	2	2
Associate Professor	4	4
Assistant Professor	8	12
Teaching Assistant	0	1
Teaching Post (PG)	Sanctioned	Filled
Professor	1	1
Associate Professor	1	1
Assistant Professor	2	2

10. Faculty profile with name, qualification, designation, specialization, (Dip. Arch. / B.Arch./M.Arch/M.E(T & CP), M. Tech.(T & CP), PhD, etc.)

Sr. No.	NAME	Qualification	Designation	Specialization	Experience (years) (Teaching + Professional)
1	Mr.R.V Nadkarni	B. Arch	Professor Design Chair	Architectural Design	35 Years
2	Mrs.J.C. Gogte	B. Arch, ME (T&CP)	Professor & Head of the Department	Town & Country Planning	32 Years
3	Mr. S.B. Patil	B. Arch, M.Tech (T&CP)	Professor	Town & Country Planning	25 Years
4	Mr. A.N. Bore	B. Arch, M. Tech (UP)	Associate Professor	Urban Planning	19 Years
5	Mrs.M.G. Kashid	B. Arch, M. Tech	Associate Professor	Town & Country Planning	19 Years

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		(T&CP)			
6	Mr. J.B. Deshmukh	B. Arch	Assistant Professor	Basic Design	25 Years
7	Mrs.S.S. Nawal	B. Arch, M.A(P&UD)	Assistant Professor	Urban Design	13 Years
8	Mrs. D.K. Kale	B. Arch	Assistant Professor	Construction Management	13 Years
9	Mrs. P.S.Borade	B. Arch, M.Arch (Persu.)	Assistant Professor	Architectural theory	3 Years
10	Ms. D.R. Dabre	B. Arch, M.A.Dip. (ID)	Assistant Professor	Interior Design	1 Year
11	Mr. R.S.Raka	B. Arch, M.A. (ID)	Assistant Professor	Interior Design	3 Years
12	Ms.S.Bhagwat	B. Arch	Assistant Professor	Basic Design	1 Year
13	Mrs.S.P.D Naik	B. Arch	Assistant Professor	Architectural & Project Management	13 Years
14	Mrs. N.M. Ali	Dip. Arch, B. Arch M.Sc. (TP)	Assistant Professor	Town & Neighborhood Planning	5 Years
15	Mr.J.S. Pandit	B. Arch	Assistant Professor	Sustainable Construction	4 Years
16	Mrs. R. R. Kulkarni	B. E. (Civil), M.E (Persu.)	Assistant Professor	Theory of Design & Structures	4 Years
17	Mrs. V. Parturkar	B.F.A, M.F.A	Assistant Professor	Basic Design & Visual Arts	19 Years
18	Mrs. R. Patki (Dharashivkar)	B.Arch, M.Arch	Assistant Professor	Town Planning	13 Years
19	Mrs. M.Navgire (Parkar)	B.Arch	Assistant Professor	Architectural Design	9 Years

20	Mr.A.A. Deshpande	B. Arch, M.Arch (Persu.)	Assistant Professor	Architectural Design	1 Year
21	Mr. P.S. Kulkarni	B.Arch, M.Arch	Assistant Professor	Architectural theory	30 Years
22	Mr. K.G. Talnikar	B.Arch, M.C.P	Assistant Professor	City & Architectural Planning	32 Years
23	Mr. A.R. Naik	B.Arch, M.Tech (UP)	Assistant Professor	Urban Planning	21 years
24	Mr.S.M. Patil	B.Arch, M.A (U.D)	Assistant Professor	Urban Design	10 years

11. List of visiting faculty:0

Sr. No	Name	Year of Association with Architecture
1	Mr. V.R. Sangvikar	20 Years
2	Mr. S.S. Bahekar	20 Years
3	Dr. B.N. Pande	15 Years
4	Mr. Ajay Vaidya	15 Years
5	Mr. K.G. Talnikar	10 Years
6	Mrs. Meenal Gore	10 Years
7	Mr. Sumedh Waghmare	10 Years
8	Mr. Sharad Mahajan	10 Years
9	Mr. Prasad Kulkarni	05 Years
10	Mrs. Rashmi Dharashivkar	05 Years
11	Mr. Sarang Patil	05 Years
12	Mr. Yogendra Ballal	05 Years
13	Mr. Anand Veerkar	05 Years
14	Mr. P.N Verma	03 Years
15	Mr. Aniruddh Naik	03 Years
16	Mrs. Meghna Parkar	03 Years
17	Mr. Deepak Deshpande	02 Years
18	Ms. Sampada Takalkar	02 Years
19	Ms.Kamal Rao	02 Years
20	Ms. Sana Khan	02 Years
21	Ms. Shifa Khan	01 Year

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty:

Sr. No.	% of lectures delivered	% of practical classes
1	20	75

13. Student -Teacher Ratio (Programme wise):

Sr. No.	Programme	Student : Teacher ratio
1	UG: Bachelor of Architecture	10:1
2	PG: Master of Architecture	5:1

14. Number of academic support staff (technical) and administrative staff; sanctioned & filled:

Academic support staff	Sanctioned	Filled
Administrative staff	--	01
Supporting staff	--	01

15. Number of teaching faculty with postgraduate qualifications (M.Arch, M.E/M. Tech. (T&CP), M.A/MSc, M.Phil./PhD, etc.)

Sr. No.	Qualification	No. of Teaching Faculties
1	Ph.D.	NIL
2	PG (M.E/M.Tech/M.ARCH)	08

Sr. No.	Qualification	No. of Teaching Faculty
1	M.Phil./PhD	--
2	M.Arch/M.Tech/M.E/M.A./M.Sc completed	13
3	M.Arch/M.Tech/M.E/M.A./M.Sc Appeared	03
4	P.G Diploma	01
5	B.Arch	06

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 02

17. Departmental projects funded by DST; UGC, AMC, etc. and total grants received:

Sr. NO.	Project Name	Faculty Name	Funding by University/Agency Name
1	Preparing model of Dr.BAMU campus	Mr. V.N.Tawde and Mr. S.B.Patil	Dr. B A M University, Aurangabad (Rs. 2 Lakhs)
2	Refurbishing of Paithan Gate Parking area, Aurangabad	Mrs. J.C.Gogte, Mr. Rohit Raka, and Mr. Amit Deshpande	Municipal Corporation, Aurangabad. (Rs. 50,000)

18. Research Centre /facility recognized by the University: NA
19. Publications:

Sr.No.	Name of Faculty	International Journals	National / International/ state chapter Conference	Impact Factor	h-index	Citation
1	Mrs. J.C.Gogte	-	01	-	-	-
2	Mrs. N.M.Ali	2	-	-	-	-
3	Mr. R.S.Raka	1	-	-	-	-
4	Mrs. R.R.Kulkarni	-	1	-	-	-

20. Areas of consultancy and income generated:

Sr. No.	Course/consultancy	Project cost	Income generated
1	MGM Clover dale school	90Lakhs Approx.	--
2	MGM central library for medical science	37.50 Lakh Approx.	--
3	MGM stadium for cricket hockey, Jogging track of 10,000 capacity	1.50 Cr Approx.	--
4	MGM swimming pool, club and hostel building	3.0Cr Approx.	--

5	Rukmini auditorium interiors	80Lakhs Approx.	--
6	MGM Institute of Hotel management	60Lakh Approx.	--
7	Interiors for Fashion Design & Khadi	15 Lakh Approx.	--
8	Interior of MGM Dialysis & kidney transfer unit	35 lakh Approx.	--
9	Interior of pathology lab	20 Lakh Approx.	--
10	Interior of MGM Kaladurga Art gallery	35 lakh Approx.	--
11	MGM parking building	5 Cr. Approx.	--
12	MGM school, Padegaon	4 Cr. Approx.	--
13	Gandheli School	5 Lakh Approx.	--
14	Science park	30 Lakh Approx.	--

21. Faculty as members in :

Committees	Names	No. of faculty
National	Council of Architecture	22
	IIA	09
	ITPI	03
	LMISTE	02
	FIV	01
International	RTPI	01
	RICS	01

22. Student projects

Year	2015-2016	2014-2015	2013-2014	2012-2013
% In-house Projects	100%	100%	100%	100%

Percentage of students placed for projects in organizations outside the institution i.e. in research laboratories, industry or other agencies: 80% (in private Architectural firms)

23. Awards recognitions received by faculty and students:

a) Faculty Achievements:

Sr. No.	Year	Name of the Faculty	Awards/Recognition	Level of Recognition
1	2014-15	Mr.V.N. Tawde	Lifetime Contribution in Education Award by MASA Lion.s Club “Dronacharya Award” for Best Teacher	State
2	2017	Ms. Divya Dabre and Mr. Rohit Raka	Best Panel : Heritage management plan for Mahatma Phule Mandai, Pune	International

b) Students Achievements:

Year	Activity	Level	Name of Student	Prizes won
2016-17	Presentation	University	Pranav Shankar/Uma Rochwani/Rutuja Todermal	Winner
	Badminton	University	Prajakta Ghodchore	Runner-up
	Co-curricular (Zo-NASA)	Zonal	33 Students	4 th Rank
	Rubens Trophy (Zo-NASA)	Zonal	All students	2 nd Prize
	Dance Trophy	Zonal	Syed Kashif & Others	1 st prize
	Furniture Design	Zonal	Kaveri Bahure/Kajal Khinvansara	2 nd prize
	Urban Design	Zonal	Nidhi Kankaria & Sakshi Somani	Selected in Top 5
	Avishkaar	University	Saee Padhye	Participated
	University of Westminster	International	Sakshi Nahar & Others	Participated

	Trophy			
2015-16	Gymnastics	State	Isha Mahajan	Gold medals
	Essay	University	Roma Rochwani	2 nd Position
	Archery	University	Payal Date	Winner
	Youth Leadership	State	Rohit Roul	Mr. Ryla
	Quiz	State	Rohit Roul	1 st Position
	Debate	State	Rohit Roul	1 st Position
	Badminton	Zonal	Aditi Rapatwar	Selected
	Sports	State	Sarvesh Bhale	Participated
2014-15	Sports	University	Payal Date	Participated
	Pistol Shooting	University	Subham Raut	4 th Rank
	Pistol shooting	University	Subham Raut	Participated
	Gymnastic	University	Sarvesh Bhale	Participated
	Aerobics	State	Sarvesh Bhale	2 Gold medals
2012-13	Sports	State	Sarvesh Bhale	Best player award 'SHIV CHATRAPATI AWARD'
	Sports	International	Sarvesh Bhale	Participated
2010-15	Sports	International	Sarvesh Bhale	Participated
	Aerobics	National	Sarvesh Bhale	6 gold Medals
	Aerobics	National	Sarvesh Bhale	5 Silver medals

24.List of eminent academicians and scientist / visitors to the department :

The Architecture programme (B.Arch/M.Arch) has continued its external lectures every year, inviting successful professionals from Design, research and theory background to explain their work in the context of research through practice or theory. Following are the guest lecture details:

Date	Name of the Guest Professor	Designation
09/11/2016 to	Dr. Uma Jadhav & Dr.	Principal, Flora College of

NAAC – SELF STUDY REPORT

10/11/2016		P.M.Yumvada	Architecture, Pune
09/11/2016	to	Dr. Priyamvada Chitale (Pune)	Principal, Sinhgad College of Architecture, Pune
05/10/2016		Ar. Nimesh Porwal	Practicing Architect, Pune
23/09/2016		Ar. Purva Keskar (Pune)	Principal, Bricks College of Architecture, Pune
18/09/2016		Prof. Neha Mandlik (Pune)	Product Designer, Pune
07/09/2016		Ar. Tushar Kulkarni	Practicing Architect, Aurangabad.
10/08/2016		Prof. Maya Vaidya	Principal, APJ Abdul Kalam College of Architecture, Aurangabad
29/07/2016	to	Prof. Rita Sharma (Nashik)	Practicing Architect, Landscape Designer, Nasik
30/07/2016			
20/04/2016		Prof. Parag Narkhede (BKPS Pune)	Asso. Professor, BKPS, Pune
21/04/2016	to	Prof. Vikas Shimpi (Nashik)	Model Makers, Nasik
23/04/2016			
05/03/2016		Prof. Abhijeet Naatu	Asso. Professor, BKPS, Pune
18/02/2016		Ar. Sharvey Dhongde , INTACH, Pune	President, INTACH, Pune
09/09/2015		Mr. Yogesh Marhadkar (IIT Kanpur)	Product Designer
10/09/2015		Mr. N.G. Karkhane	Structural Engineer, Aurangabad.
12/10/2015	to	Ms. Richa Sharma	Urban Designer, Mumbai
13/10/2015			
03/12/2015	to	Mr. Ajay D. Nagne	Expert Faculty (GIS/Remote Sensing)
05/12/2015			

25. Seminar / conference / workshop organized and the source of funding: NIL

26. Student profile programme / course wise:

Year	2012-13		2013-14		2014-15		2015-16	
	Appeared	Passing	Appeared	Passing	Appeared	Passing	Appeared	Passing
FY	36	100	38	81.57	40	85	40	92.50
SY	35	100	33	100	37	94.87	38	94.73
TY	35	100	38	92.10	35	100	23	95.65
4 TH	36	100	32	100	37	100	28	100
5 TH	29	89.65	36	75	27	77.77	37	91.89

27. Diversity of Students

Name of the course	% of students from the same state	% of students from other states
Bachelor of Architecture	92%	4%
Master of Architecture	100%	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

COMPETITIVE EXAMINATIONS	2012-13	2013-14	2014-15	2015-16
GATE	6	2	3	6
Civil services/MPSC	1	--	--	--
TOEFL/IELTS/ GRE	2	5	--	1

29. Student progression

Student Progression	Against % enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	3%	3%	5%	5%	5%
PG to PhD	--	--	2%	--	--
PhD to Post Doc	--	--	--	--	--
Employed					
Campus selection	0	0	0	0	0
Other than campus recruitment	20	22	25	23	20
Entrepreneurship / Self employed	10%	10%	10%	10%	10%

30. Details of infrastructural facilities

- Library: College central library & Departmental Library
- Internet facilities for staff and students: CAD Lab is provided with an internet connection on 40 PCs.
- Class rooms with ICT facility: Seminar room is provided with LCD projectors, Audio/video visual aids with internet etc. making it conducive to teaching & learning. The class rooms are spacious and well equipped with the necessary infrastructure. Studios are spacious and provided with drawing tables, drawing boards and lockers for students.

d. Laboratories:

Sr. No.	Name of Laboratory	Name of Important Equipment
1	CAD Lab	40PCs, 4Gb RAM, 1GB Graphic card)

31.Number of students receiving financial assistance from the college / university / government or other agencies:

Academic year	College	University	Government				
			SC	ST	SBC	OBC	VJNT
2015-16	35	-	2	-	2	18	4
2014-15	58	-	3	-	4	24	10
2013-14	64	-	2	-	2	22	10

32. Details on student enrichment programmes:

Year	Number of Guest Lectures	Number of Workshops	Number of Site Visits	Study Tour
2016-17	10	1	4	2
2015-16	4	1	2	-
2014-15	2	1	2	1
2013-14	2	1	2	-
2012-13	2	1	2	1

33. Teaching methods adopted to improve student learning:

1. Department has initiated Mentor Mentee programme for every subject. The senior faculty members guide the other faculty members of the subject in understanding the fundamentals. Common strategies are finalized by senior faculty.

2. Design briefs and sheet contents in the form of sketches are prepared right at the beginning of semester. This activity helps the faculty members of the same subject to maintain uniformity across various classes.

3. To inculcate the knowledge delivery skills a faculty induction Program was conducted at the institute level. Faculty members from department are also encouraged to take up programs like Mission 10X which is framed in accordance with the need of teachers to develop teaching skills.

- Assignments are given to students based on each unit.
- Power point presentations are used by faculty for delivery of subject matters.
- Site visits are organized.
- Guest lecturers of eminent personalities from academic institute as well as professional architects are organized to enhance the student's knowledge.
- Workshops are conducted to provide hands- on experience for students.

34. Participation in Institutional Social Responsibilities (ISR) & extension activities

Students actively participated in Institutional Events as follows:

- Blood donation camp.
- Swachhatha Abhiyaan.
- Tree Plantation.
- Path Natya

35. SWOC analysis of the department and Future plans:**Strengths:**

- Eight faculties with PG from different areas of specialization.
- Well Equipped CAD Lab and departmental library.
- Excellent discipline and culture.
- Students motivated to participate at state and national level NASA.

Weakness:

- Staff with Post Graduate qualification is less.
- Scope for more industry sponsored projects.
- There is no recruitment through Campus interviews.

Opportunities:

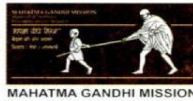
- Preparing employable architects to face the challenges (Present and future).
- To motivate students to appear for Competitive exams held within the state and for abroad studies.
- To become Centre of Excellence in major areas of architecture.
- Scope for consultancy work.
- To hire well qualified faculties.
- To hire skilled technical and administrative staff.

Challenges:

- Recruitment of well qualified and experienced Architects in teaching profession.
- Motivating students and faculties for higher studies and research work.

Future Plans:

- Addition of Intake for existing B. Arch Programme from 40 to 80 students.
- Addition of 3 new M. Arch courses (20 intakes each)
- Formation of Consultancy Cell and working with AMC projects along with students.
- Sponsoring existing faculty for PG and Ph.D. programs.



Jawaharlal Nehru Engineering College

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the
Institution With Seal:



Place: Aurangabad

Date: 30/03/2017

N-6, CIDCO, Aurangabad-431 003 Maharashtra, India
Tel.: +91-240-2482893, 2481433, 2482236, Fax : 0240-2482235
www.jnec.ac.in email : jnec@jnec.ac.in



Jawaharlal Nehru Engineering College

Certificate of Compliance

(Affiliated Institutions)

This is to certify that Mahatma Gandhi Mission's Jawaharlal Nehru Engineering College fulfills all Norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 13/05/2017
Place: Aurangabad



Hmmmm
Principal
Jawaharlal Nehru Engg. College
Aurangabad
Dr. *Aurangabad*

N-6, CIDCO, Aurangabad-431 003 Maharashtra, India
Tel.: +91-240-2482893, 2481433, 2482236, Fax : 0240-2482235
www.jnec.ac.in email : jnec@jnec.ac.in



विद्याविमोक्षाय अर्पितम्
बहमुराशह जफर मारि
नई दिल्ली - 110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

23236351, 23237701, 23237711
23237716, 23237733, 23237717
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in
F. No. 8-553/2011 (CPP-I/C)

श्रीम-विश्व विमुक्त
SPEED POST

May, 2012

The Registrar,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad – 431 004,
Maharashtra.

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter No. JNEC/2-II/2012/1980 dated 11.02.2012 received from the Principal, Mahatma Gandhi Mission's Jawaharlal Nehru Engineering College, Aurangabad (Maharashtra) on the above subject and to say that it is noted that the following college is un-aided/self financed and permanently affiliated to Dr. Babasaheb Ambedkar Marathwada University. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head 'Non-Government, self financed Colleges teaching upto Bachelor's Degree' to make it eligible to receive Central assistance from sources other than UGC:-

Name of the College	Year of Establishment	Remarks
Mahatma Gandhi Mission's Jawaharlal Nehru Engineering College, Aurangabad (Maharashtra)	1983	As the College is charging fee as per State/University norms and a certificate in this regard has been received in UGC The College would also be eligible to get grant for all UGC schemes related to teachers and students only as per the decision of the Commission dated 04 July 2011.

The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,
(M.K. Rewari)
Under Secretary

Copy to:-

- The Principal, Mahatma Gandhi Mission's Jawaharlal Nehru Engineering College, Aurangabad (Maharashtra).
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Principal Secretary, Tech. & Higher Education Deptt., Government of Maharashtra, Mantralaya, Annexe Building, Mumbai - 400 032, (Maharashtra).
- The Deputy Secretary, UGC, Western Regional Office (WRO), Ganeshkhind, Poona - 411 007, (Maharashtra).
- Publication Officer (UGC-Website), New Delhi.
- Section Officer (FD-III Section), UGC, New Delhi.
- Guard file.

(Sunita Gulati)
Section Officer

Assistant Professor
Mechanical Engineering Department
Jawaharlal Nehru Engineering College
H-6 CIDCO, Aurangabad - 431 005

NAAC – SELF STUDY REPORT



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Western/1-3330335042/2017/EOA

Date: 25-Apr-2017

To,

The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashtra, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2017-18

Ref: Application of the Institution for Extension of approval for the academic year 2017-18

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-5377821	Application Id	1-3330335042
Name of the Institute	MAHATMA GANDHI MISSION'S JAWAHARLAL NEHRU ENGINEERING COLLEGE	Institute Address	N-6,CIDCO,AURANGABAD- 431003, AURANGABAD, AURANGABAD, Maharashtra, 431003
Name of the Society/Trust	MAHATMA GANDHI MISSION'S JAWAHARLAL NEHRU ENGINEERING COLLEGE	Society/Trust Address	12, BHAGYA NAGAR, NANDED,NANDED,NANDED,Maharashtra,431602
Institute Type	Unaided - Private	Region	Western

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice-versa) Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id: 1-3330335042			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	Intake Approved for 2017-18	NRI Approval status	PIO / FN / Gulf quota/ OCI/ Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada	18	18	NA	NA	NA

Application Number: 1-3330335042

Note: This is a Computer generated Report.No signature is required.

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GY		TE			University, Aurangabad					
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRICAL POWER SYSTEMS	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRONICS ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	25	25	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	MECHANICAL-MANUFACTURING ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CHEMICAL ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	30	30	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL, ELECTRONICS AND POWER	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	60	60	NA	NA	NA

Application Number: 1-3330335042

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ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	MECHANICAL ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDERGRADUATE	CIVIL ENGINEERING	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	60	60	NA	NA	NA
MCA	1st Shift	POSTGRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that
MAHATMA GANDHI MISSION'S, JAWAHARLAL NEHRU ENGINEERING COLLEGE
shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Prof. A.P Mittal

Application Number: 1-3330335042
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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
Industrial Assurance Building
2nd Floor, Nariman Road
Mumbai - 400 020, Maharashtra
2. **The Director Of Technical Education**,**
Maharashtra
3. **The Registrar**,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
4. **The Principal / Director,**
MAHATMA GANDHI MISSION'S JAWAHARLAL NEHRU ENGINEERING COLLEGE
N-6, CIDCO, AURANGABAD- 431003,
AURANGABAD, AURANGABAD,
Maharashtra, 431003
5. **The Secretary / Chairman,**
MAHATMA GANDHI MISSION'S JAWAHARLAL NEHRU ENGINEERING COLLEGE
12, BHAGYA NAGAR, NANDED,
NANDED, NANDED,
Maharashtra, 431602
6. **Guard File(AICTE)**

Note: ** - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद - ४३१ ००४ (महाराष्ट्र) (भारत) (नॅक समिती तर्फे 'अ' दर्जा प्राप्त)		विद्यापीठ परिसर, औरंगाबाद - ४३१ ००४ (महाराष्ट्र) (भारत)																				
दूरध्वनी कार्यालय : (०२४०) २४०३११८/२४०३११९ कुलसचिव : (का) २४०३३३३ (नि) २४००२०३, २४०३३१० फॅक्स : (०२४०) २४०३३३५ Website : www.bamu.net e-mail : bcud.office@bamu.ac.in																						
संदर्भ क्रमांक : शैक्ष/संलग्न/एबीएल/२०१६-१७/ 12266-75		दिनांक : 18-07-2016																				
सुधारित पत्र																						
प्रति मा. प्राचार्य, महात्मा गांधी मिशन संचलित, [EA71829] जवाहरलाल नेहरू अभियांत्रिकी महाविद्यालय, एन - ६, सिडको औरंगाबाद, जि. औरंगाबाद																						
विषय :- जून २०१६ पासून पदवी / पदव्युत्तर अभ्यासक्रमांचे संलग्नकरण चालू ठेवणे बाबत.																						
संदर्भ :- १. प्रस्ताव क्र. ३१२ अन्वये विद्या परिषदेने घेतलेला निर्णय दि. १ व २ जून २०१६ २. या कार्यालयाचे पत्र क्र. शैक्ष/संलग्न/एबीएल/२०१६-१७/ 11241-50 दिनांक : 28-06-2016																						
महोदय/महोदया,																						
जून २०१६ पासून आपल्या महाविद्यालय संलग्नकरण चालू ठेवणे बाबत आपल्या अर्जाच्या / प्रस्तावाच्या अनुषंगाने महाविद्यालयास भेट देऊन अहवाल सादर करण्यासाठी संलग्नकरण समिती नियुक्त करण्यात आली होती.																						
सदर संलग्नकरण तुतणीकरण समितीने प्रस्तुत प्रकरणी आपल्या महाविद्यालयास भेट देऊन सादर केलेल्या अहवालावर विद्या परिषदेच्या दि. १ व २ जून २०१६ रोजी झालेल्या बैठकीत 'बिचार होऊन महाराष्ट्र विद्यापीठ कायदा १९९४ कलम ८३ (४) मधील तरतुदीनुसार परिशिष्ट "अ" मध्ये दर्शविलेल्या अभ्यासक्रम व प्रवेश क्षमतेसह अटी व शर्तीच्या अधिन राहून जून पासून पासून एका वर्षाकरीता पदवी / पदव्युत्तर अभ्यासक्रमासाठी संलग्नकरण चालू ठेवणे / नैसर्गिक बाबीस नान्यता देण्यात येत आहे.																						
महाराष्ट्र विद्यापीठ कायदा १९९४ कलम ८३ (४) च्या तरतुदीनुसार विद्या परिषदेचा उपरोक्त निर्णय आपणास कळविण्यात येत असून विनंती करण्यात येते की, विद्या परिषदेने संलग्नकरणाबाबत निर्धारित केलेल्या अटीची पूर्तता तीन महिन्यात करावी व अटीच्या पूर्ततेबाबतचे हमीपत्र विद्यापीठास दि. 12-07-2016 पर्यंत सादर करावे. तसेच या अटीच्या पूर्तते बाबतचा अहवाल दि. 28-09-2016 पूर्वी विद्यापीठास सादर करावा.																						
विद्यापीठाने निर्धारित केलेल्या प्रपत्र "अ" प्रपत्र "ब" व प्रपत्र "क" नुसार संलग्नकरण तुतनीकरण समितीच्या अहवालानुसार आपल्या महाविद्यालयात पदवी / पदव्युत्तर अभ्यासक्रमास खालील कोष्टकात दर्शविल्या प्रमाणे गुण प्राप्त झालेले आहेत.																						
समिती "अ"																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">पदवी / पदव्युत्तर अभ्यासक्रम</th> <th style="width: 10%;">कमाल गुण</th> <th style="width: 10%;">एकूण प्राप्त गुण</th> <th style="width: 10%;">किमान आवश्यक गुणांची टक्केवारी</th> <th style="width: 10%;">एकूण प्राप्त गुणांची टक्केवारी</th> </tr> </thead> <tbody> <tr> <td>प्रपत्र "अ"</td> <td>150</td> <td>109</td> <td>55 %</td> <td>72.67 %</td> </tr> <tr> <td>प्रपत्र "ब"</td> <td>200</td> <td>173</td> <td>45 %</td> <td>86.5 %</td> </tr> <tr> <td>प्रपत्र "क"</td> <td>50</td> <td>35</td> <td>45 %</td> <td>70 %</td> </tr> </tbody> </table>	पदवी / पदव्युत्तर अभ्यासक्रम	कमाल गुण	एकूण प्राप्त गुण	किमान आवश्यक गुणांची टक्केवारी	एकूण प्राप्त गुणांची टक्केवारी	प्रपत्र "अ"	150	109	55 %	72.67 %	प्रपत्र "ब"	200	173	45 %	86.5 %	प्रपत्र "क"	50	35	45 %	70 %	(अभियांत्रिकी/ औपघनिर्माणशास्त्र/ वास्तुकला विद्याशाखा) बी.ई. इन कंप्युटर सायंस अँड इंजिनिअरींग बी.ई. (इलेक्ट्रीकल इलेक्ट्रॉनिक्स अँड पॉवर इंजिनिअरींग) बी.ई. बायोटेक्नॉलॉजी बी.ई. इन्स्ट्रुमेंटेशन अँड कंट्रोल बी.ई. मेकॅनिकल इंजिनिअरींग (सेकंड शिफ्ट) बी.ई. सिव्हिल इंजिनिअरींग (सेकंड शिफ्ट) बी.ई. कॉम्प्युटर सायंस अँड इंजिनिअरींग (सेकंड शिफ्ट) बी.ई. इलेक्ट्रॉनिक्स अँड टेलिकॉम्युनिकेशन (सेकंड शिफ्ट) बी.ई. (ई.ई.पी) (सेकंड शिफ्ट)	
पदवी / पदव्युत्तर अभ्यासक्रम	कमाल गुण	एकूण प्राप्त गुण	किमान आवश्यक गुणांची टक्केवारी	एकूण प्राप्त गुणांची टक्केवारी																		
प्रपत्र "अ"	150	109	55 %	72.67 %																		
प्रपत्र "ब"	200	173	45 %	86.5 %																		
प्रपत्र "क"	50	35	45 %	70 %																		

समिती "ब"

प्रपत्र "अ"	पदवी / पदव्युत्तर अभ्यासक्रम	कमाल गुण	एकूण प्राप्त गुण	किमान आवश्यक गुणांची टक्केवारी	एकूण प्राप्त गुणांची टक्केवारी
प्रपत्र "अ"	--	150	110	55 %	73.33 %
प्रपत्र "ब"	--	189	138	45 %	73.02 %
प्रपत्र "क"	(अभियांत्रिकी/ औषधनिर्माणशास्त्र/ वास्तुकला विद्याशाखा)	50	36	45 %	72 %
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	84	45 %	84 %
पदव्युत्तर विभाग	एम.ई. कंप्युटर सायंस इंजिनियरिंग				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	82	45 %	82 %
पदव्युत्तर विभाग	एम.ई. सिव्हिल/स्ट्रक्चरल इंजीनियरिंग				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	87	45 %	87 %
पदव्युत्तर विभाग	एम.ई. इन इलेक्ट्रिकल पावर सिस्टीम				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	85	45 %	85 %
पदव्युत्तर विभाग	एम.ई. इलेक्ट्रॉनिक्स इंजिनीअरिंग				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	66	45 %	66 %
पदव्युत्तर विभाग	मास्टर ऑफ कॉम्प्युटर एप्लीकेशन्स				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	65	45 %	65 %
पदव्युत्तर विभाग	एम.ई. मॅन्युफॅक्चरिंग इंजिनीअरिंग				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	61	45 %	61 %
पदव्युत्तर विभाग	मास्टर ऑफ आर्किटेक्चर (एम. आर्च)				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	73	45 %	73 %
पदव्युत्तर विभाग	एम.ई. मेकॅनिकल कॅड / कॅस इंजिनीअरिंग				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	73	45 %	73 %
पदव्युत्तर विभाग	एम.ई. (सिव्हिल इनव्हायरनमेंटल इंजिनीअरिंग)				
प्रपत्र "क"	(अभियांत्रिकी विद्याशाखा)	100	75	45 %	75 %
पदव्युत्तर विभाग	एम. ई. (केमिकल) (सेकंड शिफ्ट)				

प्रस्तुत प्रकरणी आपणास असेही कळविण्यात येते की, यापूर्वी विद्यापीठाने दिलेल्या वेगवेगळ्या आदेशांची पूर्तता व अटीच्या अधिन राहून पदवी / पदव्युत्तर अभ्यासक्रमासाठी हे संलग्नकरण देण्यात येत आहे, याची कृपया नोंद घ्यावी.

अभ्यासक्रम व प्रवेश क्षमतेबाबत माहिती [परिशिष्ट "अ"]:

अ.क्र.	पदवी व पदव्युत्तर अभ्यासक्रमाचे नांव	वर्ष	वार्षिक संलग्नित विषयांची नावे	वार्षिक संलग्नित अभ्यासक्रमा करिता निर्धारित केलेली तुकडी निहाय प्रवेश क्षमता	प्रस्तुत महाविद्यालयास कायम संलग्नित असलेल्या अभ्यासक्रमाची नावे	कायम संलग्नित असलेल्या अभ्यासक्रमा करिता निर्धारित केलेली तुकडी निहाय प्रवेश क्षमता	शेरा
१	२	३	४	५	६	७	८
1	बी.ई. कॉम्प्युटर सायंस अँड इंजिनियरिंग (सेकंड शिफ्ट)	प्रथम वर्ष	सर्व अनिवार्य विषय	00	--	--	
	बी.ई. कॉम्प्युटर सायंस अँड इंजिनियरिंग (सेकंड शिफ्ट)	द्वितीय वर्ष	सर्व अनिवार्य विषय	00	--	--	
	बी.ई. कॉम्प्युटर सायंस अँड इंजिनियरिंग (सेकंड शिफ्ट)	तृतीय वर्ष	सर्व अनिवार्य विषय	1 तुकडी 60 विद्यार्थी	--	--	
	बी.ई. कॉम्प्युटर सायंस अँड इंजिनियरिंग (सेकंड शिफ्ट)	चतुर्थ वर्ष	सर्व अनिवार्य विषय	1 तुकडी 60 विद्यार्थी	--	--	
2	बी.ई. इलेक्ट्रॉनिक्स अँड टेलिकम्युनिकेशन (सेकंड शिफ्ट)	प्रथम वर्ष	सर्व अनिवार्य विषय	00	--	--	
	बी.ई. इलेक्ट्रॉनिक्स अँड टेलिकम्युनिकेशन (सेकंड शिफ्ट)	द्वितीय वर्ष	सर्व अनिवार्य विषय	00	--	--	

[illegible]

अटी :

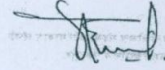
- 1) नियमित अर्हताधारक अध्यापकांची नेमणूक करण्यात यावी.
- 2) नॅक / पुनर्संल्यांकन करण्यात यावे.

समिती "अ"

- 1) More number of UGC approved teachers should be appointed .
- 2) UGC Approved librarian should be appointed.

समिती "ब"

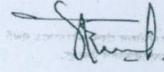
- 1) As per AICTE norms adequate number of Professors/Associate Professors with University approval required.
- 2) Up-gradation of software in Computer Science required.



संचालक
महाविद्यालये व विद्यापीठ
विकास मंडळ

प्रतिलिपी : [परिशिष्ट "अ"]

१. मा. संचालक, (उच्च शिक्षण), महाराष्ट्र राज्य, शिवाजी नगर, पुणे यांना माहितीस्तव अग्रेषित.
२. मा. संचालक, तंत्र शिक्षण, महाराष्ट्र राज्य, मुंबई.
३. मा. सह संचालक, (उच्च शिक्षण), औरंगाबाद विभाग, औरंगाबाद यांना माहितीस्तव अग्रेषित.
४. मा. सह संचालक, (तंत्र शिक्षण), देवगिरी महाविद्यालयजावळ, औरंगाबाद.
५. मा. परिक्षा नियंत्रक, डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद. यांना माहितीस्तव अग्रेषित.
६. उपकुलसचिव (आरक्षण कक्ष) डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद. यांना माहितीस्तव अग्रेषित.
७. मा. व्यवस्थापकीय संचालक, महाराष्ट्र ज्ञान मंडळ मर्या, (MKCL) आय सी. सी. ट्रेड टॉवर, ५ वा मजला, ए बिंग सेनापती बापट मार्ग, पुणे यांना माहितीस्तव अग्रेषित.
८. अधीक्षक, अव्ववसायिक विभाग, (शैक्षणिक विभाग) डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद. यांना माहितीस्तव अग्रेषित.
९. सहाय्यक अधीक्षक, पात्रता युनिट (शैक्षणिक विभाग) डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद. यांना माहितीस्तव अग्रेषित.



संचालक
महाविद्यालये व विद्यापीठ
विकास मंडळ





ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)
राष्ट्रीय प्रत्यायन मंडल (रा.प्र.म.)
NATIONAL BOARD OF ACCREDITATION (NBA)
(Constituted Under Clause 10(u) of AICTE act. 1987)

प्रसाद कृष्णा
Prasad Krishna
ADVISER-I (Quality Assurance)

F.No: NBA/ACCR-401/2004

April 02, 2007

To
The Principal/Director
MGM's Jawaharlal Nehru Engg. College,
N-6, CIDCO,
Aurangabad - 431 003 (MS)

Sub: NBA Decision on Accreditation Status of Programmes offered by your Institution.

Dear Prof.

With reference to your application for accreditation of the following programme (s) and the Expert Committee visit to your institution, the report of the visit team was considered by the various Sectoral Committees and subsequently by the National Board of Accreditation in its meeting held on 16.03.07. Based on the recommendations of the Board, I am pleased to communicate the Accreditation Status of the following programme (s) from your Institution.

Sl.No.	Name of Programme(s)	Accreditation Status	Period of validity w.e.f. 16.03.07
1.	Mechanical Engineering	Accredited	3 Years
2.	Production Engineering	Accredited	3 Years
3.	Civil Engineering	Accredited	3 Years
4.	Electronics & Telecommunication Engineering	Accredited	3 Years
5.	Computer Science & Engineering	Accredited	3 years

(Total number of programmes Accredited vide this letter - Five).

The Accreditation status awarded to the above programmes of your institution does not imply accreditation to the College / Institution as a whole. Complete name of the Programme(s). Accredited and its period of validity, as well as the date from which the award is effective, should be quoted unambiguously whenever it is used. The accreditation status of the above programmes is subject to periodic review by the NBA Secretariat and will be changed if major deficiencies are identified on surveillance. You are also requested to comply with the mandatory disclosure of pertinent information as per the provisions placed in the AICTE website with respect to accredited programmes of your institution. The same information should also appear in the website and information bulletin of your institution clearly indicating the date of publication of the same.

For Information of
Principal/Director
MGM's Jawaharlal Nehru Engg. College
N-6, CIDCO, Aurangabad.

Inward No. 2161

Contd....2

706

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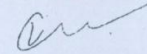
4th Floor, East Tower, N.B.C.C. Place, P. B. Station, Aurangabad (MS) Pin - 431 003
Tel/Fax: (D) 24309624, FPEAX 2430 919 - 22, E. MGM's Jawaharlal Nehru Engg. College
Aurangabad.

The status awarded to the above programmes of your college / Institution is on the presumption that the programmes would maintain the current standards in future. If there are any changes that would effectively alter the status (such as, major changes in faculty strength or changes in the organizational structure, etc.), the same shall be communicated to the undersigned, with an appropriate explanatory note. A comprehensive report submitted by the Chairman of the expert committee who visited your institution and the distribution of marks/points awarded for each programme against the accreditation parameters are enclosed for further necessary action at your end to overcome the shortcomings observed in each programme. If you are not satisfied with the decision of the Board, you may forward your appeal application with requisite fee within thirty days of receipt of this communication.

Let me also take this opportunity to congratulate all those who have contributed to the quality enhancement of programmes that secured accreditation by NBA.

With best wishes,

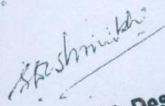
Yours Sincerely

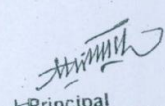


(Prasad Krishna)

- C.C. : (i) The Vice Chancellor, Dr. Baba Saheb Ambedkar Marathwada University, Aurangabad, Maharashtra
- (ii) The Secretary, Deptt. of Technical Education, Govt. of Maharashtra, 3, Mahapalika Marg, Post Bag No. 1967, Dhobitalao, Mumbai-400 001.
- (iii) WRO, AICTE, Western Regional Office, 2nd floor, Industrial Assurance Building, V.N. Road, Opp. Churchgate Railway Station, Mumbai-400 020.
- (iv) Accreditation File.
- (v) Guard File.

(Prasad Krishna)


Dr. Sudhir Deshmukh
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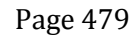
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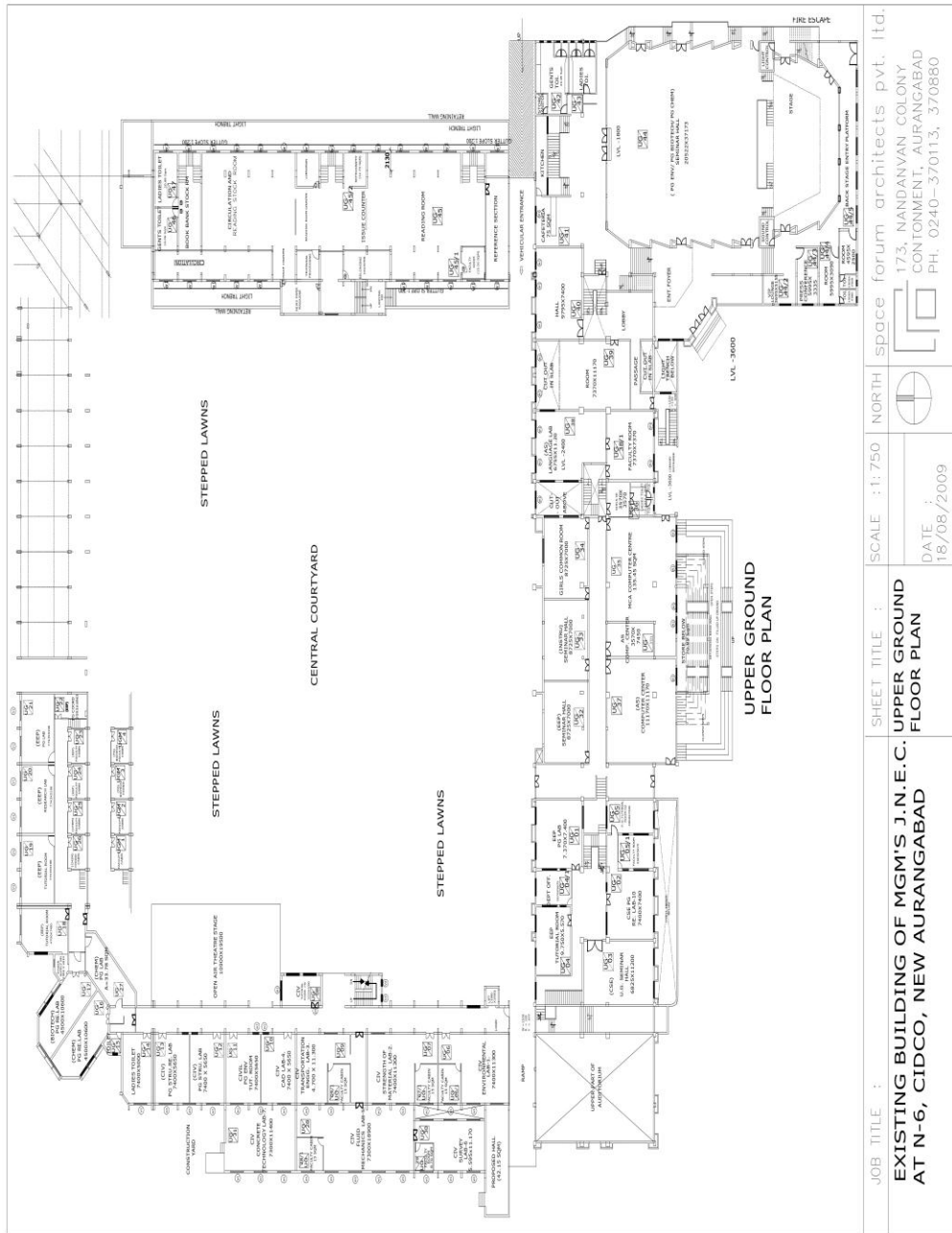
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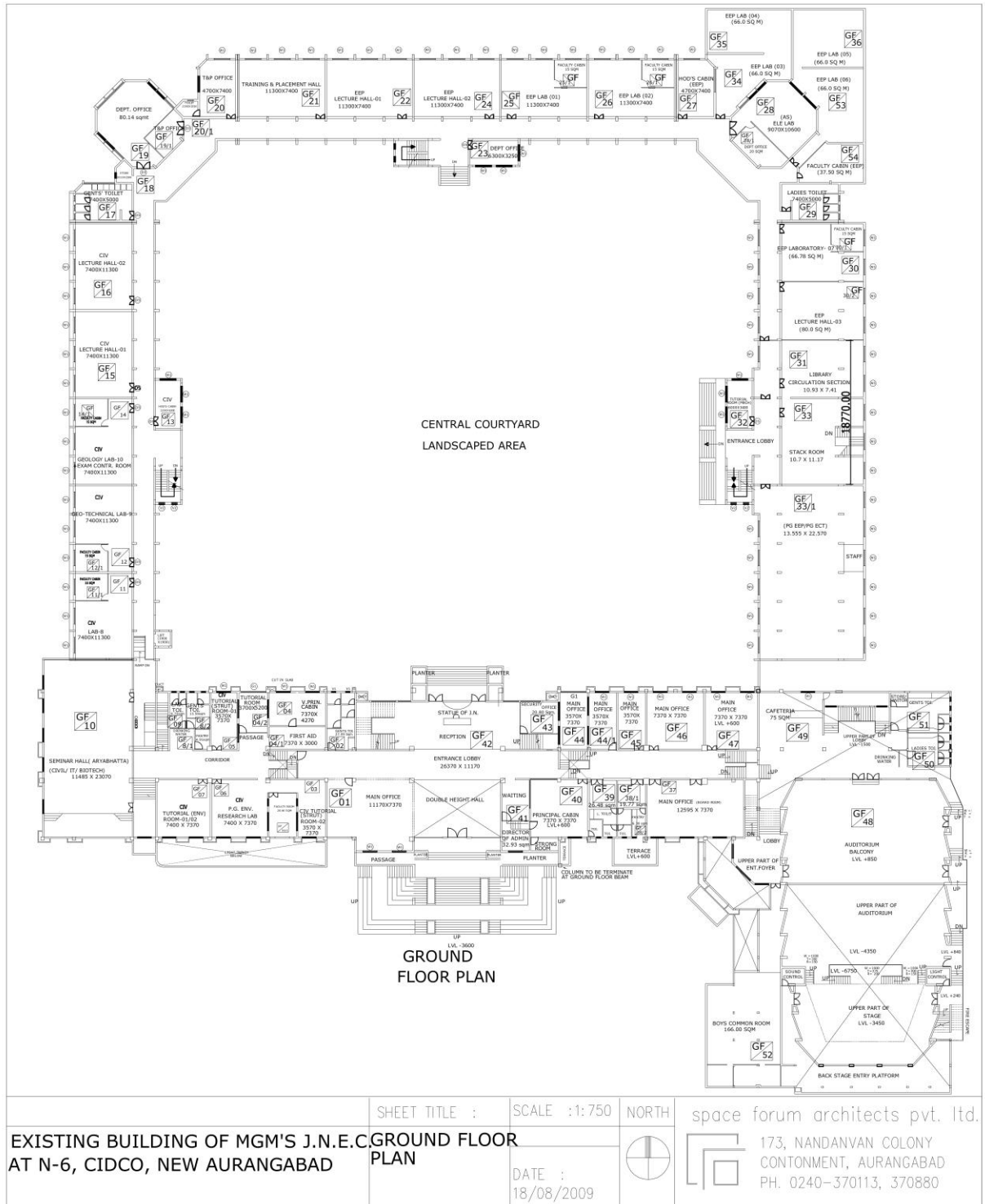


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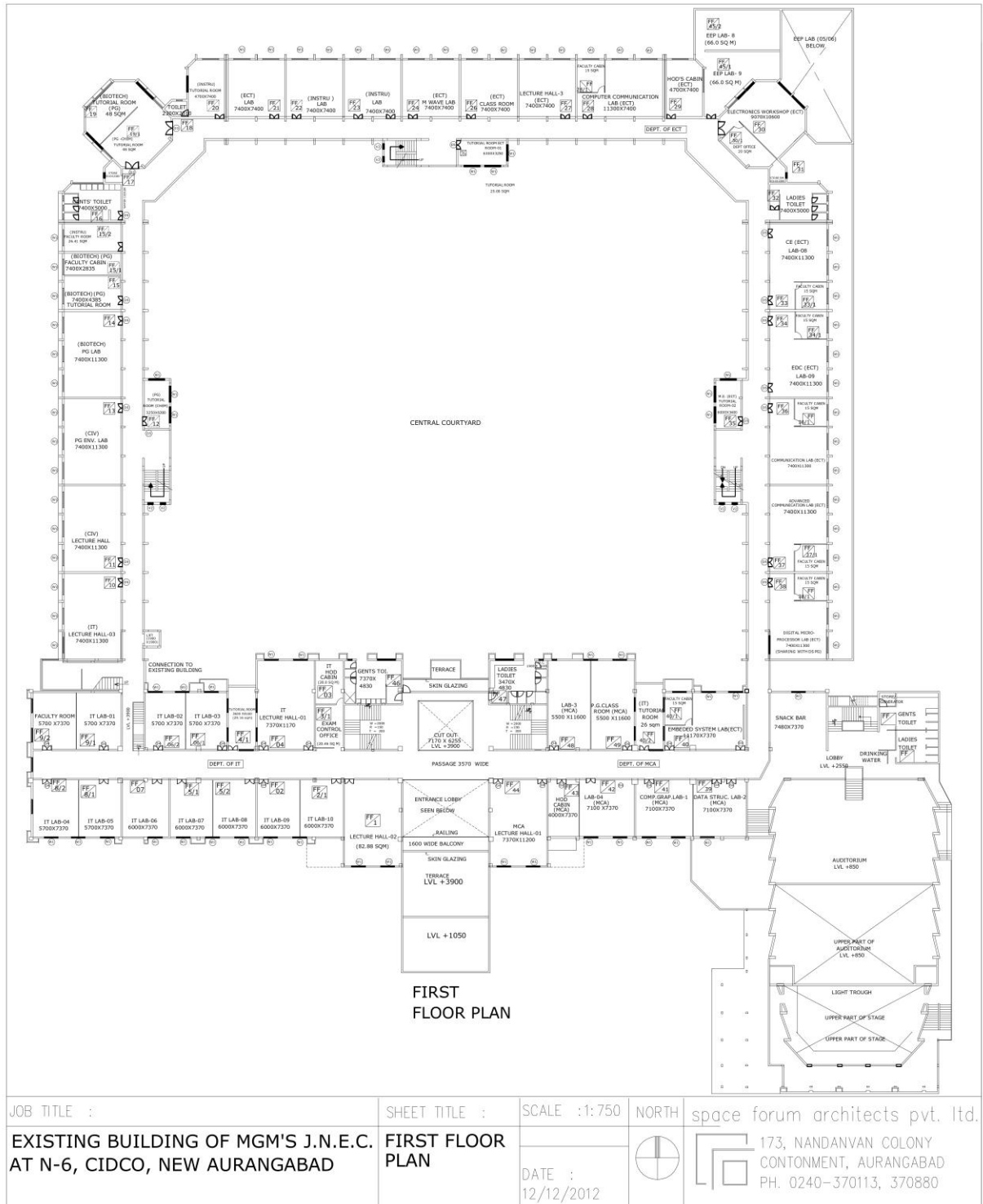




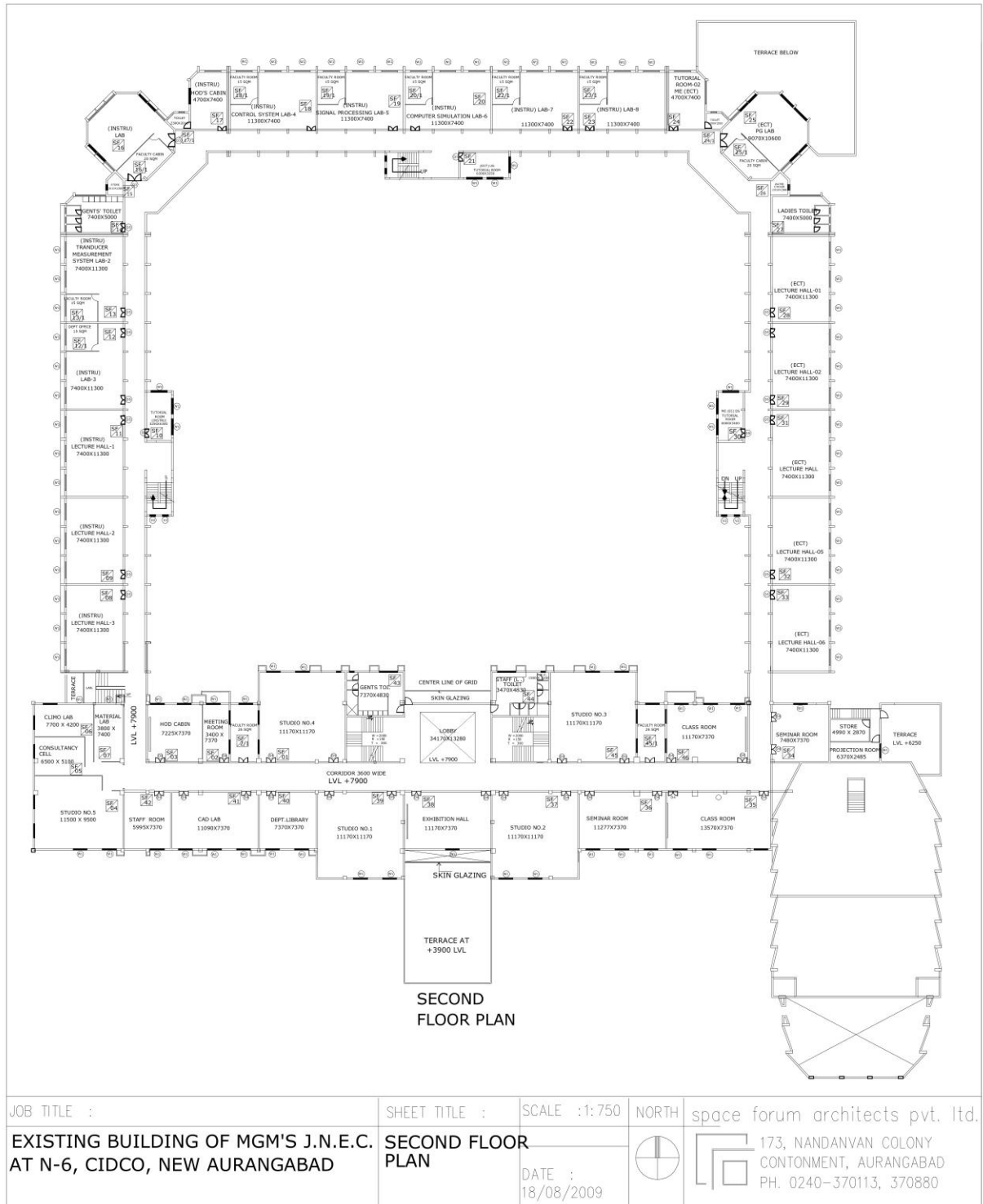
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The floor plan illustrates the layout of the Third Floor, featuring a central corridor system and a large auditorium area on the right. Key rooms include:

- Top Section:** LAB 9070X12000, DRAWING HALL-01 (11170X7400), DRAWING HALL-02 (11170X7400), LECTURE HALL AS (11300X7400), LECTURE HALL AS (11300X7400), LECTURE HALL AS (11300X7400), TUTORIAL ROOM (4700X7400), and FACULTY LAB (4070X15600).
- Left Section:** MEN'S TOILET (400X7000), FACULTY ROOM (7400X3700), AS LAB (7400X7370), AS LAB (7400X11300), AS LECTURE HALL (7400X11300), (AS) CLASS ROOM (7400X11300), and (AS) CLASS ROOM (7400X11300).
- Central Section:** TUTORIAL RM-1 (47.03 sqmt), LAB-4 (31.08 sqmt), LAB-3 (45.68 sqmt), CLASS RM-4 (84.59 sq m), FACULTY RM (21.02 sqmt), LAB-2 (20.17 sqmt), LAB-1 (20.17 sqmt), and a LOBBY (34170X12280).
- Bottom Section:** (PG CSE/UG AS) SEMINAR HALL (11500 X 11800), 24.05 sqmt FACULTY ROOM, CLASS ROOM-3 (74.36 sqmt), CLASS ROOM-2 (74.36 sqmt), CLASS ROOM-1 (72.32 sqmt), LAB-9 (48.79 sqmt), CSE PG TUTORIAL ROOM-1 (32.33 sqmt), CSE PG LAB (50.00 sqmt), LAB-10 (48.79 sqmt), CLASS RM-5 (72.32 sqmt), CLASS RM-6 (82.56 sqmt), LAB-11 (20.17 sqmt), LAB-12 (20.17 sqmt), and a TERRACE AT +3900 LVL.
- Right Section:** (NCA) LECTURE HALL (7400X11300), (AS) LECTURE HALL (7400X11300), (AS) LECTURE HALL (7400X11300), (AS) LECTURE HALL (7400X11300), and (AS) LECTURE HALL (7400X11300).

The plan also shows a large AUDITORIUM BELOW and a SKIN GLAZING area. The floor level is indicated as LVL +7900.

JOB TITLE :	SHEET TITLE :	SCALE :1:750	NORTH	space forum architects pvt. ltd
EXISTING BUILDING OF MGM'S J.N.E.C. AT N-6 CIDCO NEW AURANGABAD	THIRD FLOOR PLAN	DATE : 05/03/2010		 173, NANDANVAN COLONY CONTONMENT, AURANGABAD PH. 0240-370113, 370880

