Annual Quality Assurance Report (AQAR) of the IQAC

submitted to

National Assessment and Accreditation Council (NAAC)

By

।। विद्या धनम् सर्वधन: प्रधानम् ।।

S B Jain Institute of Technology, Management & Research,

Near Jain International School, Yerla Village,

Kalmeshwar Road, Nagpur-441501

Maharashtra.

2017-18

(June 1, 2017 to May 31, 2018)

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The Annual Quality Assurance Report (AQAR) of the IQAC

PART – A

1. Details of the Institution

1.1 Name of the Institution

> S . B. Jain Institute of Technology, Management and Research, Nagpur.

1.2 Address Line 1

> Near Jain International School,

Address Line 2

> Yerla Village, Kalmeshwar Road,

City/Town

> Nagpur

State

> Maharashtra

Pin Code

> 441501

Institution e-mail address

> info@sbjit.edu.in

Contact Nos.

> 0712-2667777, 9763702571

Name of the Head of the Institution:

> Dr. Sanjay L. Badjate

Tel. No. with STD Code:

> 0712-2667777

Mobile:

> 9763702571

Name of the IQAC Co-ordinator: Dr. Pankaj B Thote

Mobile: 9422803865

IQAC e-mail address: iqaccell@sbjit.edu.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*   MHCOGN 27094

1.4 **NAAC Executive Committee No. & Date:**
   (For Example EC/32/A&A/143 dated 3-5-2004.
   This EC no. is available in the right corner- bottom
   of your institution's Accreditation Certificate)

EC(SC)/27/A&A/46.1 dated 12-09-2017

1.5 Website address: http://www.sbjit.edu.in/

Web-link of the AQAR: http:// sbjit.edu.in/AQAR_2017-2018.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st	A	3.02	2017	From:12-09-17 to: 11-09-22
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY   01/04/2016

1.8 AQAR for the year *(for example 2010-11)*

$\boxed{\text{2017-18}}$

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*(for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

   i. AQAR _____ _____ (DD/MM/YYYY)
  ii. AQAR_____ _____ (DD/MM/YYYY)
 iii. AQAR_____ _____ (DD/MM/YYYY)
 iv. AQAR_____ _____ (DD/MM/YYYY)

1.10 Institutional Status

   University   State ☐ Central ☐ Deemed ☐ Private ☐

   Affiliated College   Yes ☑ No ☐

   Constituent College   Yes ☐ No ☑

   Autonomous college of UGC Yes ☐ No ☑

   Regulatory Agency approved Institution   Yes ☑ No ☐

   (eg. AICTE, BCI, MCI, PCI, NCI)

   Type of Institution   Co-education ☑ Men ☐ Women ☐

                          Urban ☐ Rural ☑ Tribal ☐

   Financial Status   Grant-in-aid ☐ UGC 2(f) ☑ UGC 12B ☐

                 Grant-in-aid + Self Financing ☐ Totally Self-financing ☑

1.11 Type of Faculty/Programme

   Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

   TEI (Edu) ☐ Engineering ☑ Health Science ☐ Management ☑

   Others (Specify) ☐

1.12 Name of the Affiliating University *(for the Colleges)*

R.T.M. Nagpur University, Nagpur

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University   ------

University with Potential for Excellence   ------   UGC-CPE   ------

DST Star Scheme   ------   UGC-CE   ------

UGC-Special Assistance Programme   ------   DST-FIST   ------

UGC-Innovative PG programmes   ------   Any other (*Specify*) ------

UGC-COP Programmes   ------

2. IQAC Composition and Activities

2.1 No. of Teachers   4

2.2 No. of Administrative/Technical staff   1

2.3 No. of students   2

2.4 No. of Management representatives   2

2.5 No. of Alumni   1

2. 6 No. of any other stakeholder and

community representatives   1

2.7 No. of Employers/ Industrialists | 2 |

2.8 No. of other External Experts | -- |

2.9 Total No. of members | 13 |

2.10 No. of IQAC meetings held   4

2.11 No. of meetings with various stakeholders: No. | 4 | Faculty | 4 |

Non-Teaching Staff | 4 | Students | 4 | Alumni | 2 | Others | 4 |

2.12 Has IQAC received any funding from UGC during the year?   Yes [ ]   No [√]

If yes, mention the amount | NA |

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. | 9 | International | -- | National | 2 | State | -- | Institution Level | 7 |

(ii) Themes

The Institution has organized the following research oriented, technological, skill enhancing Workshops/Seminars/Symposia/FDPs/STTPs for augmenting its quality standard the details are as under:

1. *A two days Research oriented National Symposium on **"Recent Trends in wireless smart sensors networks RTWSSN-17"** was organised at S B Jain Institute of Technology, Management and Research on 11th & 12th October 2017 by IETE Students Forum (ISF). **Weblink :** http://www.sbjit.edu.in/symposium/*

2. *Department of Mechanical Engineering, S B Jain Institute of Technology, Management and Research organized a National Symposium on "**Recent Trends in Solar Energy Technologies"** in collaboration with Institution of Engineers (I), Nagpur and Solar Energy Society of India, New Delhi. The symposium was held from 6th to 7th January, 2018.*

Weblink : http://www.sbjit.edu.in/national-symposium-held-at-s-b-jain-institute-of-technology-management-research/

3. *A One week ISTE approved Short Term Training Program on* **"Python Programming"**, *a skill enhancing workshop was organized for students, faculties and Industry personals by the Computer Science Department on* **20th Nov to 25th Nov 2017** *at S B Jain Institute of Technology, Management and Research, Nagpur in collaboration with IEEE SB Jain Students Branch.*

Weblink : http://www.sbjit.edu.in/ssttp/

Professional development / administrative training programmes organized by Institute for its quality enhancement					
Sr. no.	**Title of the professional development programme organised for teaching staff**	**Title of the administrative training programme organised for non-teaching staff**	**Dates (from-to)**	**No. of participants (Teaching staff)**	**No. of participants (Non-teaching staff)**
Information Technology					
4.	*Information Technology Approach in Multidisciplinary Application (Faculty Development Program)*		14-11-2017 to 16-11-2017 (3Days)	11	
5.	*Research Trends and Methodology in Computer Science & Engineering (Faculty Development Program)*		15-11-2017 to 18-11-2017 (4 days)	11 (IT) 11 (CSE)	
Electrical Engineering					
6.	*Advanced Software tools for product Development*		21/04/2018-26/04/2018	11	
7.		*Skill Development programme for Non-Teaching Staff*	20/11/2017-21/11/2017		08
Mechanical Engineering					
8.		*Skill Development for Non teaching staff*	20-21 Nov 2017		09
Electronics & Telecommunication Engineering					
9.	*Trends in IoT and Its*		28/11/2017 to	22	

Applications (TIIA-17)		30/11/2017		

2.14 Significant Activities and contributions made by IQAC

✓ *Academic and Administrative audit.*

✓ *Mandatory Industrial Internship for final year students.*

✓ *Short term internship programme for 2nd & 3rd year students.*

✓ *Implementation of Intranet based moodle platform for digital content assess for the students.*

✓ *Inclusion of Content beyond syllabus in both theory and practicals.*

✓ *Conduction of skill enhancement programmes for the students in each semester session.*

✓ *Case study based learning.*

✓ *Remedial class for slow learners and extra activities for bright students.*

✓ *ICT enabled classrooms for effective teaching learning.*

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Academic Audit	*Two academic audits (Self-Departmental Academic Audit and Internal Audit) were conducted at the end of each semester session. In self departmental academic audit a committee of departmental faculties were formed and audit was carried out. In Internal Audit a committee at central level was formed and all the departments were audited. Because of these audits the teaching learning*

	processes including assessment, evaluation has enhanced.
Administrative Audit	*A committee comprising of department faculties at central was formed and administrative audits of Student section, Accounts, Admin, Procurement & Store, Medical facilities & safety, Infrastructure & house keeping, Security was carried out at the end of academic session and the observations were recorded for further action.*
Academically weak student Activity.	*Academically weak students were identified from their performance in the Internal examination and remedial classes were conducted for these students. With remedial classes, the better understanding of the subject knowledge of these students were achieved.*
Bright Student Activity.	*Bright students were identified with their academic performance in the Internal examination and extra activities for them were conducted. The students were found motivated and has enhanced their learning ability.*
Moodle Platform for content digitalization and easy assess to students.	*The Institute has indigenously implemented Moodle platform and Video Streaming Server for the students and faculties to aid effective teaching learning. The Faculties upload their course contents in the form of PPT's/PDF's/ Links/Videos etc. which is made available to the students through proper login and the course materials are readily available to them at any point of time.* *Also the Institute has a dedicated video server where the NPTEL videos of the courses are always*

	available for the students for better learning. *This platform has effectively implemented the Learning Management system in the Institute.*
Mandatory Internship for final year students.	*The Internship at final year has helped students gain Industrial Exposure in their respective domain along with work experience which will be very beneficial in their professional endeavours and has increased their market value.*
Library Digitization	*It has improved the library management system and has ease the day to day transactions of the library. The issue, receipt and tracking has been made much easier and simpler.*
Institute's centralised policies and guidelines.	*The Institute has prepared and adopted centralised policies and guidelines (academic and process related) and all the departments are governed through it.* *It has created uniform functioning of all the departments with centralised governance.*
Skill enhancement programs in each semester.	*Apart from regular academic teaching, skill enhancement/enrichment programmes for students were well planned and executed by the departments.* *It has inculcated/ improved/enhanced the desired technical skills of the students with this programmes.*
Faculty development programmes.	*Faculty development programmes were organised at department levels.* *These programmes had upgraded the faculty's knowledge/skill and had aided in their professional growth and development.*

Non -Teaching skill development programmes.	*Skill development programmes at department levels were organised for the non-teaching members.* *It has improved their productivity, enhanced work quality and inculcated skills to perform better.*
Internship for 2nd and 3rd year students.	*The 2nd year and 3rd year students were encouraged to undergo mini internships in the non-teachings days.* *This mini internships undertaken by the students at small and medium sized businesses helped them understand the operation of business models along with its management.*
Encouragement for active collaboration with various professional societies for student's professional development.	*The students of the Institution were encouraged to undertake membership of professional bodies of their respective domain and plan, organize, participate in various activities through it.* *The students subscribed to their respective IEEE, IE, IETE, SAE, ISHARE, CSI Student's Chapters and regular activities were conducted at departmental level.* *It has fostered and imbibed professionalism in the student's attitude and has enhanced organising skills amongst the students.*

* Academic Calendar of the year is provided as Annexure-I.

2.16 Whether the AQAR was placed in statutory body   Yes | √ | No | |

Management | √ | Syndicate | | Any other body | |

Provide the details of the action taken

Minor modifications were suggested in the Management meeting and AQAR was approved.

PART – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	--	--	--	--
PG	2	--	--	--
UG	5	--	--	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	1
Total	7	--	--	1

Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2   (i) Flexibility of the Curriculum: **√ CBCS (For PG Courses)** /Core/ **√ Elective option** / Open options.
   (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	7
Trimester	--
Annual	--

1.3 Feedback from stakeholders*   Alumni √   Parents √   Employers √   Students √
(On all aspects)

Mode of feedback   :   Online √   Manual √   Co-operating schools (for PEI) ☐

*Analysis of the feedback is provided as Annexure-II

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

✓ *The Institution has incorporated **Outcome Based Education (OBE)** in its academic endeavours where each department strives to attain its offered Course Outcomes (COs) ultimately leading to attainment of its Program Outcome. All possible steps are taken by the departments to achieve the NBA Program Outcomes and its Program Specific Outcomes. Dean Academics, a central level portfolio is created to carry out reforms, implement the best practices, monitor, assess and control all academic activities of the Institution.*

✓ *The Course In-charges include **beyond syllabus contents** in their respective course syllabus which are significant for the effective learning considering the contemporary needs which are not covered through current University curriculum. These contents are delivered through effective planning in the teaching plan in consultation and approval from the Head of the department.*

✓ ***Case study based learning** included as a part of academic activity in each semester. It has inculcated learning through self analysis and exploration.*

✓ *A unique **self learning activity** is implemented throughout the departments where the students prepare a allotted portion of the course by themselves and deliver to the class through power point presentation. It has improved their self learning ability as well as presentation skills and confidence building.*

- ✓ ***Practicals beyond syllabus*** *are included in the practical sessions to provide the students with the best opportunities towards learning modern techniques and technologies.*

- ✓ ***Open ended experiments*** *introduced in practicals. This has provided the student flexibility to explore and perform any other experiment by themselves utilising the resources of that respective laboratory.*

- ✓ ***NPTEL Videos/Educational Videos/Webinars*** *are included in the academics delivery. The faculties include NPTEL/ Educational videos of their respective subject experts in their course delivery and show videos to the students in the classrooms during extra hours for better understanding of the subject. This helps students in visualizing the theoretical concepts, understanding fundamentals in a better way and clearing doubts. Students are also encouraged to attend webinars in the session.*

- ✓ *Frequent* ***workshops, seminars, guest lectures, Industry Expert*** *talks are conducted by all departments to cater to the current educational need which are not met through the academic curriculum.*

- ✓ *The college often arranges* ***Industrial Tours, Visits*** *to Industrial Exhibitions for understanding industrial practices and developments in respective areas. Industrial visits are conducted to bridge the gaps between curriculum and industrial practices.*

- ✓ ***Internship is made mandatory*** *for both UG and PG students. It is compulsorily undertaken by third year appeared students (Engineering) during their summer vacation. All departments arrange and encourage the students to undergo summer internship. The Internship provides Industrial Exposure & enhances their technical knowledge. The post internship seminar is delivered by the students to the department. If any other student of the department wishes to undergo internship during vacations, the same is encouraged and supported.*

- ✓ *Skill development programme for students of all semesters are well planned in advance and its modules are executed adhering the departmental academic calendar. The skill development programmes are designed and delivered by the experienced faculties of the department/ External Experts having knowledge and skill in their respective domain. Some modules do include hands-on experience for the students.*

- ✓ *Spoken Tutorials, NPTEL Online Certification Courses are introduced into the curriculum to enhance the learning aspects of the students.*

- ✓ *Field Projects are introduced and carried out by the students undertaking final year projects working on the real issues and challenges of the Industry.*

- ✓ *Communication and aptitude training, the need of an hour is conducted by each department and special slot is allotted in the time table.*

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Moodle and Video Platform/Centre:

The Institute has indigenously implemented Moodle platform and Video Streaming Server for the students and faculties to aid effective teaching learning. The Faculties upload their course contents in the form of PPT's/PDF's/ Links/Videos etc. which is made available to the students through proper login and the course materials are readily available to them at any point of time via Intranet.

Also the Institute had installed a dedicated video server where the NPTEL videos of the courses are always readily available for the students for better and effective learning.
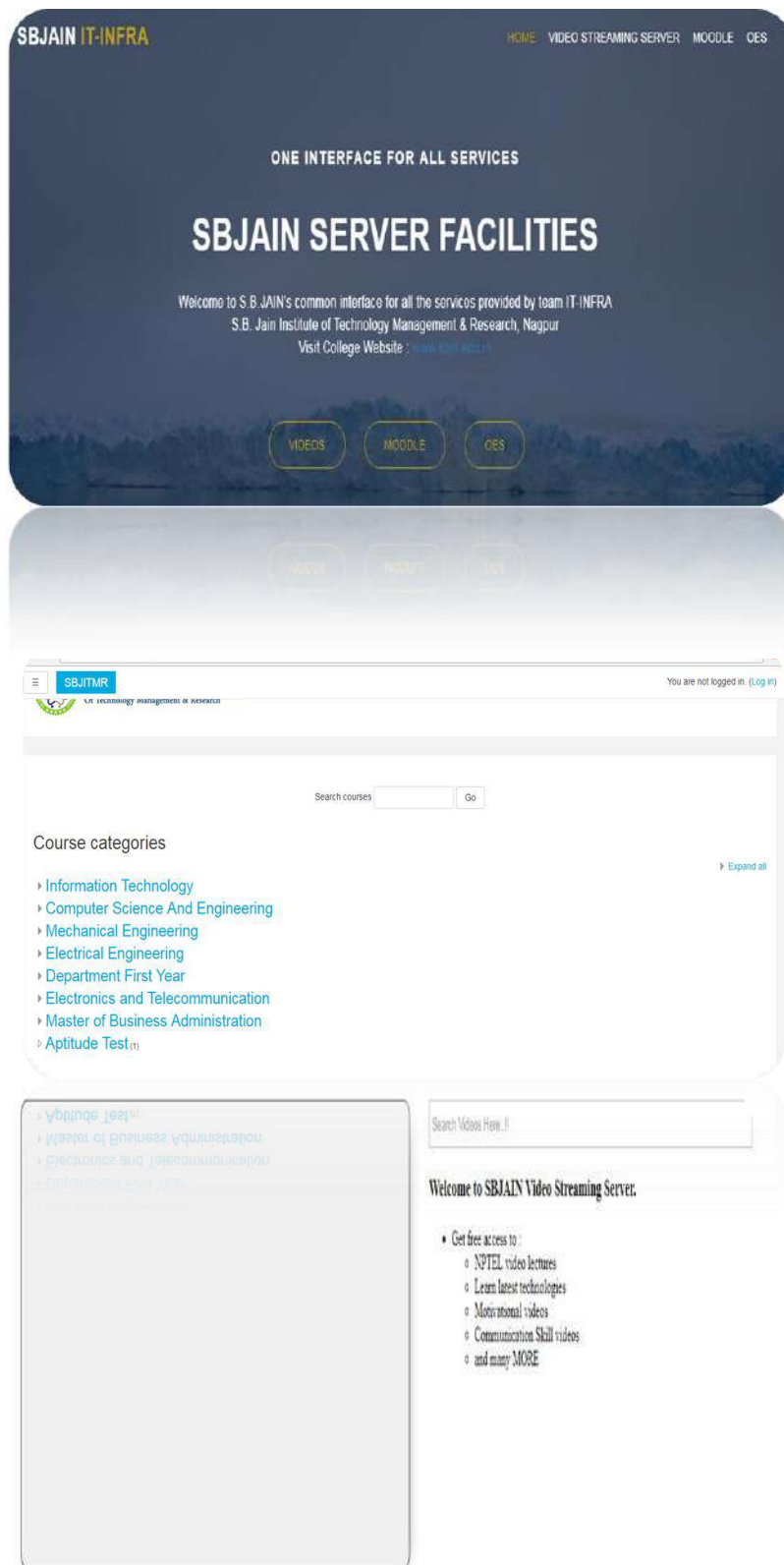
Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
139	129	08	02	--

2.2 No. of permanent faculty with Ph.D.

19

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
101	--	28	20	10	08	--	--	139	--

2.4 No. of Guest and Visiting faculty and Temporary faculty (**Adjunct faculty**)

16

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	--	87	--
Presented	12	9	--
Resource Persons	--	1	--

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The innovations employed by the institution in Teaching Learning apart from conventional teaching learning process are:

1.   Use of Multimedia Tool for effective Learning:
The classrooms of the department are well equipped with modern LCD projectors and computers. The Faculties facilitates teaching through Power Point presentations (PPT's), PDF's etc. including animations, effects etc. for efficient learning of the subject matter by the students.

2.   Learning through NPTEL Videos:

The faculties include NPTEL/ Educational videos of their respective subject experts in their course delivery and show videos to the students in the classrooms during extra hours for better understanding of the subject.

3.   Moodle & Video Streaming Server for Students:

The Institute has indigenously implemented Moodle platform and Video Streaming Server for the students and faculties to aid effective teaching learning. The Faculties upload their course contents in the form of PPT's/PDF's/ Links/Videos etc. which is made available to the students through proper login and the course materials are readily available to them at any point of time.

Also the Institute has a dedicated video server where the NPTEL videos of the courses are always available for the students for better learning.
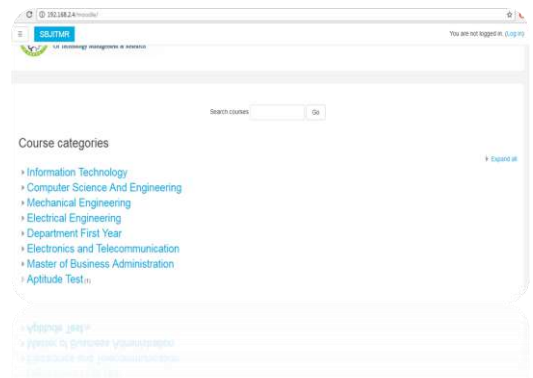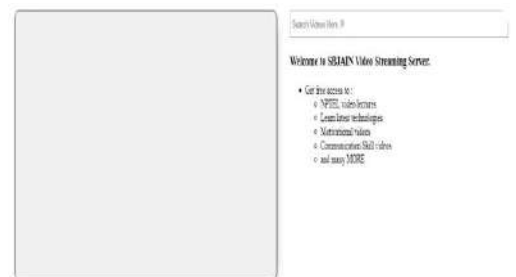
4. Self-Learning Exercise:

To imbibe the spirit of self-learning amongst the students, the Course In-charges allocate a group of students with Course Topics of their respective subject. The students explore the contents, learn it through themselves, prepare PPT's and deliver it to the class which improves their communication and self-exploratory skills.

5. Learning through Case Studies:

Case studies on technical/non-technical topics are allotted to the students by the Class In-charge. The students are required to analyse the given topic, explore/gather information, prepare, develop and submit the case study in the form of report.

6. Learning through Demonstrations/Models/Real Life Examples/Technical Activities:

The faculties incorporate their teaching with demonstrations, models, real life examples and technical activities where-ever they find appropriate to include it in the course delivery.

7. Learning through Skill development programmes:

The faculties carry out a well-planned skill enhancement programme for the students of the department where apart from verbal delivery, hands on experience is also provided to the students for their effective learning.

8. *Continuous Assessment in Practical Hours:*

The faculties continuously assess the students in each practical hour by conducting viva's on the practical performed by the student. Also they conduct technical group discussion after the performance for effective evaluation.

Continuous Assessment in Practical Hours

2.7 Total No. of actual teaching days

during this academic year

<div style="text-align:center">175</div>

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice questions)

✓ *The complete process of Examination and Evaluation is governed through a **centralised examination policy** adopted by the Institute and is strictly followed by all the departments.*

✓ *The students undergo **continuous assessment in laboratory hours** and their performances are well evaluated for each performed experiment individually and are considered for their Internal Marks and CO attainment. The assessment is done on the basis of student's attendance, on time journal checking, journal evaluation, viva evaluation (pre-performance & post performance), group discussion carried out at the end of Laboratory hours. Regular assessment, Attendance & neatness of the laboratory record book are given weightage in the assessment.*

✓ *To ensure the quality of paper, the **question paper** for the internal examination is finalised after its **moderation** by the moderation committee of the respective department.*

✓ *Each question of examination paper is **mapped** with its respective Course **COs** (Course Outcomes) to evaluate the attainment of that respective CO.*

✓ *To ensure transparency in the evaluation process, the **answer sheets** of the students whose scores falls in a specific range are **moderated** by the appointed moderator.*

✓ *For grievance redressal, the evaluated **answer sheets** are shown to the students to address their **grievances** if any.*

✓ ***Bonus marks** for Co-curricular and Extra-curricular activities are allotted to the students through a well-defined centralised Bonus marks policy.*

2.9   No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop.

| 07 |

2.10 Average percentage of attendance of students

| >75 % |

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Electrical Engineering (EE)	68	23.53%	52.94%	17.64%	0	94.12%
Electronics and Telecommunication Engineering (ETC)	129	7.75%	44.96%	26.35%	0	79.07%
Information Technology (IT)	50	12%	78%	10%	0	100%
Mech. Engineering (ME)	140	8.5%	78.5%	2.8%	0	90%
Computer Science Engineering (CSE)	61	22.95%	67.21%	4.91%	0	95.08%
MBA	50	76%	84%	0	0	84%
MTECH	3	100%	0	0	0	100%

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

The IQAC has contributed significantly towards Teaching Learning process by suggesting:

✓ *To enable **classrooms with ICT facility** and encourage the use of the same.*

- ✓ *To organise **seminars, workshops, guest lectures, expert talks, webinars, spoken tutorials etc.** to cover the contents which are beyond syllabus for advance learning.*

- ✓ *To **centralise** all the academic policies and guidelines.*

- ✓ *To encourage **Industry Internships and visits**.*

- ✓ *To encourage faculties to participate in **STTPs/Workshops/Conferences/Trainings / Seminars etc.** for their knowledge enhancement.*

- ✓ *To organise **faculty development programs** at department level.*

- ✓ *To plan the academic activities at department level and **prepare Teaching plan** for each subjects.*

- ✓ *To **monitor the syllabus coverage** every month and appropriate actions for the same.*

- ✓ *To **monitor** the academic activity through **surprise visits** at the department.*

- ✓ *To take **structured feedback** from each students course-wise (both theory & practical), analyse and take appropriate actions at all levels for academic improvement.*

- ✓ *To evaluate the **teaching learning based on assessment and attainment of program outcomes** of every department.*

- ✓ *To undertake **best practices** in teaching learning.*

- ✓ *To **strengthen Industry Institute interaction** and enhancing the scope of learning for the students and the faculty development.*

- ✓ *To encourage undertaking **Industry based projects**.*

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	--
UGC – Faculty Improvement Programme	--
HRD programmes	1
Orientation programmes	1
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	6
Summer / Winter schools, Workshops, etc.	124
Others	3

The details are as under:

Initiatives undertaken towards faculty development				
ELECTRICAL ENGINEERING DEPARTMENT:				
Sr. no	Title of the professional development programme	Category	Number of teachers who attended	Date and Duration (from – to)
1	Recent Trends in wireless smart sensor networks(RTWSSN-17)	Summer / Winter schools, Workshops, etc.	3	11/10/2017-12/10/2017
2	Harmonics Study Project at Spacewood Furnishers Pvt. Ltd.	Others	2	12/04/2018 – 15/04/2018
3	Astral Informatics	Others	1	12/04/2018-13/04/2018
ELECTRONICS AND TELE COMMUNICATION DEPARTMENT:				
4	Two week ISTE STTP on "Electric Power System"	Staff training conducted by other institutions	1	12-15 June, 2017 & 10-15 July, 2017
5	Nanofabrication Technologies	Staff training conducted by other institutions	1	17-21 July, 2017

6	Two Day's National Symposium on Recent Trends in Wireless Smart Sensor Networks	Summer / Winter schools, Workshops, etc.	23	11-12 October, 2017
7	Trends in IoT and Its Applications(TIIA-17)	Summer / Winter schools, Workshops, etc.	22	28-30 Nov, 2017
INFORMATION TECHNOLOGY DEPARTMENT:				
8	Information Technology Approach in Multidisciplinary Application (Faculty Development Program)	Summer / Winter schools, Workshops, etc.	11	14-11-2017 to 16-11-2017 (3Days)
9	Research Trends and Methodology in Computer Science & Engineering (Faculty Development Program)	Summer / Winter schools, Workshops, etc.	11	15-11-2017 to 18-11-2017 (4 days)
10	Python Programming (Short term training programming)	Summer / Winter schools, Workshops, etc.	10	20-11-2017 to 25-11-2017 (6 Days)
11	Recent Trends in Wireless Smart Sensor Networks	Summer / Winter schools, Workshops, etc.	10	11-10-2017 to 12-10-2017(3 days)
MECHANICAL ENGINEERING DEPARTMENT:				
12	Entrepreneurship faculty educator programme	Staff training conducted by other institutions	2	11-15 september 2017
13	Teachers orientation program	Orientation programme	1	28 Nov-20 Dec 2017
14	Recent trends and challenges in materials and manufacturing processes	Staff training conducted by other institutions	2	13-23 Nov 2017
15	Applied Game Theory for Engineers and Managers	HRD programmes	1	March 27-31, 2018
COMPUTER SCIENCE ENGINEERING:				
16	One week ISTE-AICTE approved STTP on "Python Programming" CSE Dep. SBJITMR.	Summer / Winter schools, Workshops, etc.	12	20th Nov to 25th Nov 2017.
17	Two days National Symposium on Recent trends in Wireless Smart Sensor Networks (RTWSSN-17) ETC Dep. SBJITMR	Summer / Winter schools, Workshops, etc.	11	11th 12th Oct 2017
18	FDP on Research Trends & Methodology in Computer Science & Engineering., SBJITMR.	Summer / Winter schools, Workshops, etc.	11	Nov 15th - 18th 2017.

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	09	--	01	18
Technical Staff	07	--	--	20

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

The Institution S B Jain Institute of Technology, Management & Research, Nagpur strongly believes for the attainment of overall Institutional growth, research culture amongst the faculties and students has to be inculcated so that solutions to the modern problems/challenges can be solved through innovations and research. The Institution provides the best Infrastructure facilities and support to promote the Research & Development activities.

The following initiatives are taken by the Institution for Sensitizing/Promoting Research Climate in the Institution:

- ✓ *For the very purpose the Institute has constituted a Research and Development cell to foster this need with the following objectives:*

- ✓ *To create Research awareness among the faculty members and students.*

- ✓ *To motivate students towards innovative projects.*

- ✓ *To create awareness about Patents & IPR Knowledge.*

- ✓ *To enhance team work between researchers for interdisciplinary research.*

- ✓ *To promote research in various departments of the Institute.*

- ✓ *To establish links with different Industries, R&D organizations to facilitate research activities.*

- ✓ *To establish R&D Centre in Electronics & Telecommunication department.*

- ✓ *To involve every faculty member in R&D activities, which lead to Ph.D. degree and research proposal writing.*

- *To seek grants from various governments, semi govt. and private agencies for promoting and supporting the research work.*

- *To enhance the research awareness by conducting various workshops and conferences and guest lectures.*

- *Promote research activities for benefit of society.*

- *To encourage staff members and students to publish technical papers in reputed national and international journals.*

- *To arrange talks and interactions by eminent personalities from industry, R&D organizations and institutions of repute; for the better understanding of research methodology and practices currently followed.*

- *Budget is allocated for Research and Development for each department and the departments utilize these funds for carrying out departmental R&D activities.*

- *50% reimbursement is provided to the faculties attending Conferences/ Workshops/STTPs/FDPs/Seminars outside Institute.*

- *Faculties are encouraged, motivated and allowed to pursue Part Time PhD Program.*

- *Incentives in form of Duty Leaves for the PhD Research work are provided by the Institute pursuing Part Time PhD Program.*

- *Seminars on Patents and Intellectual Property Rights are organised in the Institution by the departments.*

- *Faculty development programmes are organized by the departments to sensitize the research.*

- *Research oriented parameters are associated with the Faculty Appraisal to strengthen research in the Institute.*

- *Field projects/Live Industry projects are encouraged to be undertaken by the final year students guided by the senior faculties to solve real issues of Industry.*

- *Text Books, Reference Books, Journals, E- journals etc. are regularly upgraded in the Library to provide with the best and updated knowledge.*

- *The faculties are encouraged to prepare Research proposals and submit to the Agencies offering grants.*

3.2   Details regarding major projects

	Completed	On going	Sanctioned	Submitted
Number	--	--	--	--
Outlay in Rs. Lakhs	--	--	--	--

3.3   Details regarding minor projects

	Completed	On going	Sanctioned	Submitted
Number	--	--	--	--
Outlay in Rs. Lakhs	--	--	--	--

3.4   Details on research publications

	International	National	Others
Peer Review Journals	33	2	--
Non-Peer Review Journals	20	3	--
e-Journals	46	--	1
Conference proceedings	15	3	--

3.5   Details on Impact factor of publications:

Dept	Range	Average	h-index	No. in scopus
EE	0.973-8	4.358	1	2
CSE	0-0.7659	0.7659	--	--
ETC	0-1	0.49	--	--
IT	0-1	0.49	--	--
ME	0-1	0.49	1	1

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	--	--	--	--
Minor Projects	--	--	--	--
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects *(other than compulsory by the University)*	--	--	--	--
Any other(Specify)	--	--	--	--
Total	--	--	--	--

3.7 No. of books published   i) With ISBN No. 01   Chapters in Edited Books ---

ii) Without ISBN No. ---

Details:

- ✓ *Book published by Mr. V.P. Katekar, titled "Energy efficient solar water distillation system for railway batteries", Scholar's press, 2018, ISBN no: 978-620-2-30772-2*

3.8 No. of University Departments receiving funds from

UGC-SAP ---   CAS ---   DST-FIST ---

DPE ---   DBT Scheme/funds ---

3.9 For colleges   Autonomy ---   CPE ---   DBT Star Scheme ---

INSPIRE ---   CE ---   Any Other (specify) ---

3.10 Revenue generated through consultancy ---

3.11 No. of conferences organized by the Institution.

Level	International	National	State	University	College
Number	--	2	--	--	--
Sponsoring agencies	--	Details mentioned below	--	--	--

Details:

- ✓ A two days National Symposium on **"Recent Trends in wireless smart sensors networks RTWSSN-17"** was organised at S B Jain Institute of Technology, Management and Research on **11ᵗʰ & 12ᵗʰ October 2017** by IETE Students Forum (ISF).

  http://www.sbjit.edu.in/symposium/

- ✓ Department of Mechanical Engineering, S B Jain Institute of Technology, Management and Research organized a national symposium on *'Recent Trends in Solar Energy Technologies'* in collaboration with Institution of Engineers (I), Nagpur and Solar Energy Society of India, New Delhi. The symposium was held from **6 th to 7 th January, 2018.**

  http://www.sbjit.edu.in/national-symposium-held-at-s-b-jain-institute-of-technology-management-research/

3.12 No. of faculty served as experts, chairpersons or resource persons 6

3.13 No. of collaborations   International ☐   National 12   Any other ☐

Details:

Sr.	Collaborating Organization	MoU with Dept.	Date of MoU signed / Period valid	Purpose and Activities
1	Amvoltz Industries, Hingna MIDC, Nagpur-440016	Electrical Engineering	12-03-2018	Conduct Industrial Visit, Internship, Guest Lectures, Workshops, Industry Supported Projects for students and faculties.
2	Sundip Solar, Hingna T-Point, Nagpur-440022	Electrical Engineering	17-03-2018	Conduct Industrial Visit, Internship, Guest Lectures, Workshops, Industry Supported Projects for students and faculties.
3	KrishInfotech, Nagpur	Electronics and Tele Communication	15/11/2016 to 30/11/2017	Internship, Live Project, Expert Lectures
4	V. S. Informatics Pvt. Ltd, Nagpur	Electronics and Tele Communication	1/06/2015 to 31-12-2020	Internship, Consultancy, Live Project, Expert Lectures
5	CMS IT Services Pvt. Ltd., Nagpur	Electronics and Tele Communication	30/07/2016 to 29-07-2018	Internship, Live Project, Expert Lectures
6	Alive Tech Services	Electronics and Tele Communication	23/11/2016 to 22-11-2018	Internship
7	Xceller IT Services Pvt. Ltd. , Nagpur	Electronics and Tele Communication	10/03/2016 to 09-03-2018	Internship, Expert Lectures
8	Profound Edutech Pvt. , Pune	Electronics and Tele Communication	18/03/2016 to 17-03-2019	Internship, Live Project, Expert Lectures
9	Lemures Technologies Pvt. Ltd, Nagpur	Electronics and Tele Communication	24-08-2017	Live Project, Expert Lectures
10	Vidharbha Industrial Association	Mechanical Engineering	29-Jan-18	Association of industries for industry-institute interaction

11	Manufacturing Industries Association	Mechanical Engineering	09-Jan-18	Association of industries for industry-institute interaction
12	Narayani Electrical and Mechanical Industries	Mechanical Engineering	18-12-2017	To conduct Industrial Training and Industrial visits for the students and faculties.

3.14 No. of linkages created during this year   77

Details:

Sr. No.	Title of the linkage	Linkage with Department	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
1	Internship	Electrical Engineering	Koradi TPS, Koradi, Nagpur - 441111	25/5/2017 to 14/6/2017&1/6/2017 to 21/6/2017	9
2	Internship	Electrical Engineering	Shree Balaji Industries Plot No. 10, Mohite Industrial Estate, MIDC, Hingna, HingnaMidc, Nagpur-440016, Maharashtra	25/5/2017 to 10/6/2017, 1/6/2017 to 15/6/2017& 10/6/2017 to 24/6/2017	24
3	Internship	Electrical Engineering	Ordnance Factory Amrawati Road, Duttawadi, Nagpur, Maharashtra 440021	22/5/2017 to 21/6/2017	2
4	Internship	Electrical Engineering	Bhagirath Textiles, Mohali,Kalmeshwar, Nagpur - 441502	29/5/2017 to 14/6/2017	7
5	Internship	Electrical Engineering	V S Informatics Pvt Ltd Lab Ambazari - Hingna Road, Adhayapak Lay Out, Parsodi, Nagpur,	22/5/2017 to 20/6/2017	2

			Maharashtra 440022		
6	Internship	Electrical Engineering	Dolphin Electronics Pvt Ltd C 79, MIDC, Nagapur, Maharashtra440028	29/5/2017 to 13/6/2017& 23/5/2017 to 7/6/2017	3
7	Internship	Electrical Engineering	Indo Rama Synthetics (India) Limited Plot No. A31, M I D C Industrial Area, Butibori, Nagpur, Maharashtra 441122	25/5/2017 to 10/06/2017	2
8	Internship	Electrical Engineering	Rahson Engineering Mohite Industrial Estate, Higna, M. I. D. C., M I D C, Nagpur - 440012, Maharashtra, India	20/6/2017 to 3/7/2017, 25/5/2017 to 10/6/2017&29/5/2017 to 12/6/2017	13
9	Internship	Electrical Engineering	Chandrapur Super Thermal Power Station, Durgapur, Chandrapur, Maharashtra 442402	22/6/2017 to 17/6/2017	1
10	Internship	Electrical Engineering	Sigma Electricals HingnaMidc, Nagpur - 440016, Maharashtra, India	22/5/2017 to 10/6/2017	2
11	Internship	Electrical Engineering	JSW Kalmeshwar A-10/1, MIDC Industrial Area, SH265, Kalameshwar, Maharashtra 441501	22/5/2017 to 16/6/2017, 24/6/2017 to 16/7/2017& 26/5/2017 to 11/6/2017	5
12	Internship	Electrical Engineering	Ultratech Cement Chandrapur, P.O. Awarpur Cement Project, Korpana, Chandrapur, Maharashtra 442917	1/6/2017 to 20/6/2017	2

13	Internship	Electrical Engineering	Reliance Power Plant, ButtiboriNagpur - 441122	22/5/2017 to 19/06/2017	1
14	Internship	Electrical Engineering	Jain Irrigation PVT.Ltd, Jalgaon425 001, Maharashtra	4/6/2017 to 18/6/2017	1
15	Internship	Electronics And Tele Communication	Nice Software Solution	20/06/2017 to 27/07/2017	12
16	Internship	Electronics And Tele Communication	EXCELLER IT SOLUTION	03/06/2017 to 20/07/2017	5
17	Internship	Electronics And Tele Communication	V S INFORMATICS	5/06/2017 to 30/06/2017	52
18	Internship	Electronics And Tele Communication	DOORDARSHAN CENTER, NAGPUR	06/06/2017 to 10/06/2017	5
19	Internship	Electronics And Tele Communication	BSNL	12/06/2017 to 23/06/2017	10
20	Internship	Electronics And Tele Communication	Central Railway	19/06/2017 to 27/06/2017	3
21	Internship	Electronics And Tele Communication	Fu-Tech Technologies	6/06/2017 to 16-06-2017	6
22	Internship	Electronics And Tele Communication	Unique technology	1/6/2017 to 15/06/2017	12
23	Internship	Electronics And Tele Communication	PSK technology	27/05/2017 to 27/06/2017	5
24	Internship	Electronics And Tele Communication	Haldiram Foods International Ltd	26/05/2017 to 26/06/2017	4
25	Internship	Electronics And Tele Communication	JSW Steel	3/07/2017 to 17/07/2013	4

26	Internship	Electronics And Tele Communication	Lemures Technologies	25/05/2017 to 16/06/2017	4
27	Internship	Electronics And Tele Communication	Ordanance factory	22/05/2017 to 21/06/2017	3
28	Internship	Information Technology	InfoCepts	15/05/2017 to 1/8/2017	2
29	Internship	Information Technology	Alive tech services	06/06/2017 to 21/7/2017	25
30	Internship	Information Technology	IITian infotech	1/6/17 to 4/7/2017	4
31	Internship	Information Technology	Xcellar IT services Nagpur	3/6/17 to 20 /7/2017	7
32	Internship	Information Technology	Uniweb technocrats ram nagar	29/5/17 to 14/7/2017	3
33	Internship	Information Technology	E sankalp	28/5/17 to 12 /7/2017	6
34	Internship	Information Technology	Indus aviation	23/5/2017- 30/12/2017	5
35	Internship	Mechanical Engineering	Ajni Loco Shed, Nagpur	22/05/2018 to 11/06/2018	1
36	Internship	Mechanical Engineering	Ashok Leyland, Bhandara	21/05/2018 to 05/06/2018	3
37	Internship	Mechanical Engineering	Bhagirath Textile Limited, Kalmeshwar	21/05/2018 to 20/06/2018	3
38	Internship	Mechanical Engineering	Bharat Plastics Private Limited, Nagpur	03/06/2018 to 20/06/2018	3
39	Internship	Mechanical Engineering	CSTPS, Chandrapur	21/05/2018 to 09/06/2018	1
40	Internship	Mechanical Engineering	Electrotek Engineer Services, Nagpur	25/05/2018 to 26/06/2018	7
41	Internship	Mechanical Engineering	Fabrimax Engineering Pvt.Ltd, Nagpur	01/06/2018 to 15/06/2018	8
42	Internship	Mechanical Engineering	Hinduatan Aeronautics Limited (HAL), Nashik	28/05/2018 to 23/06/2018	1
43	Internship	Mechanical Engineering	Jaika Motors, Nagpur	23/05/2018 to 19/06/2018	6
44	Internship	Mechanical Engineering	Jayaswal Neco Industries Limited, Nagpur	10/06/2018 to 10/07/2018	1

45	Internship	Mechanical Engineering	JSW , Kalmeshwar	01/06/2018 to 30/06/2018	13
46	Internship	Mechanical Engineering	KEC International Private Limited, Butibori	23/05/2018 to 23/06/2018	9
47	Internship	Mechanical Engineering	Ketan Hyundai, Hingna, Nagpur	06/06/2018 to 24/06/2018	2
48	Internship	Mechanical Engineering	KTPS,Koradi	06/06/2018 to 29/06/2018	8
49	Internship	Mechanical Engineering	Larson and Toubro Limited, Vadodara, Gujarat	28/05/2018 to 29/06/2018	1
50	Internship	Mechanical Engineering	Manglore Refinery and Petrochemicals Limited, Manglore	01/06/2018 to 15/06/2018	1
51	Internship	Mechanical Engineering	Metal Fab, Hingna, MIDC,Nagpur	21/05/2018 to 21/06/2018	15
52	Internship	Mechanical Engineering	Micromax Service Station, Nagpur	31/05/2018 to 20/06/2018	1
53	Internship	Mechanical Engineering	NTPC Mouda	21/05/2018 to 20/06/2018	5
54	Internship	Mechanical Engineering	Ordanance Factory, Ambazhari, Nagpur	24/05/2018 to 23/06/2018	11
55	Internship	Mechanical Engineering	Ordnance Factory , Bhandara	28/05/2018 to 27/06/2018	1
56	Internship	Mechanical Engineering	SECR Workshop, Motibagh, Nagpur	06/06/2018 to 26/06/2018	4
57	Internship	Mechanical Engineering	Sequel Ford Work Station, Nagpur	01/06/2018 to 15/06/2018	2
58	Internship	Mechanical Engineering	Shakti Press Limited, Nagpur	01/06/2018 to 15/06/2018	1
59	Internship	Mechanical Engineering	Shalimar Nutrients Pvt Ltd., Dorli	08/06/2018 to 22/06/2018	6
60	Internship	Mechanical Engineering	Shree Industries, Hingna, Nagpur.	31/05/2018 to 15/06/2018	6
61	Internship	Mechanical Engineering	Tata Safeway Motors, Nagpur	20/05/2018 to 15/06/2018	2
62	Internship	Mechanical Engineering	Ultra Tech Cement, Awarpur	04/06/2018 to 18/06/2018	1
63	Internship	Mechanical Engineering	Unitech Reclaimation , Nagpur	11/06/2018 to 02/07/2018	1

64	Internship	Mechanical Engineering	Western Coalfield Limited, Kamptee	25/05/2018 to 07/06/2018	2
65	Internship	Mechanical Engineering	Western Coalfield Limited, Silewara	29/05/2018 to 18/06/2018	3
66	Internship	Computer Science Engineering	Nuclear Power Corporation of India Limited Mumbai	05-06-2017 to 05-07-2017	3
67	Internship	Computer Science Engineering	Alive tech services nagpur	05-06-2017 to 20-07-2017	25
68	Internship	Computer Science Engineering	Infocept Technologies Pvt Ltd nagpur	25-05-2017 to 06-08-2017	3
69	Internship	Computer Science Engineering	Iitian Infotech Nagpur	01-06-2017 to 30-06-2017	1
70	Internship	Computer Science Engineering	Nice software Solutions Nagpur	11-06-2017 to 17-06-2017	2
71	Internship	Computer Science Engineering	Indus Aviation, Pune	22-02-2017 to 22-03-2018	8
72	Internship	Computer Science Engineering	Web-d-Ziners nagpur	01-06-2017 to 30-06-2017	4
73	Internship	Computer Science Engineering	India active Software nagpur	02-06-2017 to 15-07-2017	10
74	Internship	Computer Science Engineering	IT NetworkZ Infosystems Pvt Ltd Nagpur	23-05-2017 to 10-07-2017	6

	Linkages in the form of Field Projects under taken during the year		
Sr. No.	Project/Programme Title	Department	No. of students enrolled for Field Projects / Internships
75	Life Assessment of Ball Bearing under dynamic loading with S-N Curve Approach	Mechanical Engineering	6

76	Productivity and Quality Improvement through Setting Parameters in Hot Rolling Mill	Mechanical Engineering	5
77	Boiler Efficiency Computation By "Indirect Loss Method" At "Manas" Agro Industries Infrastructure Ltd	Mechanical Engineering	6

3.15 Total budget for research for current year in lakhs : (2017-18)

From Funding agency | -- | From Management of University/College | 16.20 |

Total | 16.20 |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	1
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
11	2	--	--	9 (PhDs)	--	--

3.18 No. of faculty from the Institution
who are Ph. D. Guides | 2 |
and students registered under them | 11 |

3.19 No. of Ph.D. awarded by faculty from the Institution | 3 |

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF | -- | SRF | -- | Project Fellows | -- | Any other | -- |

3.21 No. of students Participated in NSS events:

University level | 100 | State level | -- |

National level | -- | International level | -- |

3.22 No. of students participated in NCC events:

University level | 08 | State level | -- |

National level | -- | International level | -- |

3.23 No. of Awards won in NSS:

University level | -- | State level | -- |

National level | -- | International level | -- |

3.24 No. of Awards won in NCC:

University level | -- | State level | -- |

National level | -- | International level | -- |

3.25 No. of Extension activities organized

University forum | -- | College forum | 17 |

NCC | 01 | NSS | 09 | Any other | -- |

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility.

Various activities were conducted throughout the year by the departments in the sphere of extension activities and Institutional Social Responsibility, the details are as under:

Title of the Activity	Organized By	Collaborating Agency	Number of participants
Bomb awareness	Dept. of Mechanical Engineering	Bomb detection and disposal squad, Nagpur City.	119
Road safety awareness	Dept. of Mechanical Engineering	Traffic cops Excellence Training, Nagpur.	160
Computer Literacy Program	Dept. of Electronics & Telecommunication Engineering	10th Class Students of Vidyalaya, Fetri.	50
Blood Donation and Health Check-up Camp	Dept. of Electronics & Telecommunication Engineering	Sainath Blood bank, Nagpur	32
Blood Donation and Health Check-up Camp	Dept. of Electronics & Telecommunication Engineering	JeewanJyoti Blood bank, Nagpur	75
Rakshabandhan Celebration	Dept. of Electronics & Telecommunication Engineering	Vasundhara Charitable Society	43
Computer Literacy Program	Dept. of Computer Science & Engineering	NSS	25
International Women's day	Dept. of Electrical Engineering	Vasundhara Girls Hostel	15
Road Safety Week	Dept. of Electrical Engineering	Zilla Parishad upper primary school	10
Engineers Day	Dept. of Electrical Engineering	---	140
International Youth day	Dept. of Electrical Engineering	---	139
National Youth day	Dept. of Electrical	---	138

	Engineering		
Kargil Vijay Diwas	Dept. of Electrical Engineering	---	25
Pariksha Pe Charcha	Dept. of Electrical Engineering	Government of India	200
World Cancer Day	Dept. of Electrical Engineering	---	135
Blood donation camp	Dept. of Mechanical Engineering	GSK Blood Bank	65
Visit to orphanage for food and daily needs item distribution	Dept. of Mechanical Engineering	Laxmitai Orphanage	80

Also, the following eminent initiatives were undertaken to address the locational advantages and disadvantages in the year:

Name of the initiative	Issues addressed	Date and duration of the initiative	No. of participating students and staff
Mahatma Gandhi Jayanti Celebration and Tree plantation	1. Cleanliness 2. Global warming	2/10/2017	80
Traffic awareness	1. Use of helmets 2. Traffic rules and its importance.	06/01/2018, 24/06/2017 and 03/02/2018	65
Street Children Day Celebration and clothes distribution	1. Orphanage help 2. Child violence	11/02/2018	30
Nirmalya Collection at Futala lake, Nagpur.	1. Importance of solid waste management 2. Water pollution.	15/09/2017, 16/09/2017	40
Computer Literacy Program	1. Inculcate students interest in studies. 2. To update students knowledge about latest trends in computers.	Every Saturday of month	60

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	12.72 acre	--	College	12.72 acre
Class rooms	27	--	College	27
Laboratories	50	--	College	50
Seminar Halls	5	--	College	5
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	43	1	College	44
Value of the equipment purchased during the year (Rs. in Lakhs)	2,94,08,026/-	11,29,596/-	College	3,05,37,622/-
Others		--		
Tutorial Rooms	09	--	College	09
Drawing Hall	01	--	College	01
Library	01	--	College	01

4.2 Computerization of administration and library

- ✓ *Library management system **Digi Softlib** software is being used in Central Library.*

- ✓ ***Digital library, E-Books, E-Journals, NDL, NPTEL DELNET and J-Gate** are available in the central Library.*

- ✓ ***Bar coding system** followed in Library management.*

- ✓ ***Central library** is facilitated with internet, multimedia, printer and reprographic facilities.*

- ✓ *Accounting and finance software **Tally ERP 9** is used.*

- ✓ *Students Section maintains both physical records and digital entry in computer system.*

- ✓ *Administration communication is through the **Institutional e-mail IDs** allotted to all the faculties and support staff.*

- ✓ *The CCTVs are installed at prominent locations.*

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	24522	9554288	1290	693077	25812	10247365
Reference Books	1219	628352	237	75840	1456	704192
e-Books	9870	85500	817	13570	10687	99070
Journals	503	430091	65	62815	568	492906
e-Journals	5030	170391	789	13570	5819	183961
Digital Database	15458	255891	1671	28030	17129	283921
CD & Video	558	7800	65	890	623	8690
Library automation	16	59020	04	23500	20	82520

4.4 Technology up gradation (overall)

	Total Computers	**Computer Labs**	**Internet**	**Browsing Centres**	**Computer Centres**	**Office**	**Depart -ments**	**Others**
Existing	809	15	60 mbps	1	3	4	6	1
Added	09	-	-	-	-	-	-	-
Total	818	15		1	3	4	6	1

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- ✓ *Each faculty is allocated with a **personal computer** enabled with high speed LAN Internet connection for carrying out their routine tasks.*

- ✓ ***Each classroom** is well equipped with a computer, LAN Internet connection and projector system for **ICT** learning.*

- ✓ *Computer labs with Internet facilities are available with the departments for the student's access. Also a **Centralized Computer Laboratory** is available in the Institute and students can access it any time.*

- ✓ *Internet through **Wifi connectivity** is made available in the Institute.*

- ✓ ***Video conferencing** facility is available.*

- ✓ ***Online Aptitude tests** for students.*

- ✓ ***Moodle** is used as a Learning Management System by the students. The faculties upload their curriculum contents in the Moodle server and the students utilize this facility to avail access to the Course contents. Also Institute has a dedicated **Video Server** where all the Course videos including NPTEL etc. are made available for the students. The faculties and the students are well trained to use Moodle Platform and Video Server.*

- ✓ *The students and the faculties utilize **"Virtual Labs"** developed by the IITs which is made available in their portals 24x7 for effective learning.*

- ✓ ***Non teaching staff** is given **In-house training** to enhance and upgrade their IT skills.*

4.6 Amount spent on maintenance in lakhs :

   i) ICT

| 0.325 |

   ii) Campus Infrastructure and facilities

| 120.42 |

   iii) Equipments

| 10.41 |

   iv) Others

| 3.780 |

Total :

| 134.94 |

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ✓ Regular **notices and circulars** are circulated to the students about various information related to student support services along with SMS alerts.

- ✓ Each departments implement **student mentor scheme** where the mentor faculties disseminate the awareness of various student support services to their students.

- ✓ **Parent teacher meets** are organised by all departments and the information about students support services is provided to the parents.

- ✓ Student supports services are made available in the **Institution's website**.

- ✓ Representation of students in **the IQAC committee** aided in creating awareness about the quality culture of the Institution.

- ✓ **T& P dept.** of the Institution delivers the training and placement information to the students from time to time and helps them prepare for the placement activities.

- ✓ A grand Induction programme **" Pratyush"** is organized for the First year admitted students where all the information pertaining to the Institution and various students support services to the students and parents are disseminated.

- ✓ All Departments organises **orientation programme** for the students admitted to second year.

- ✓ Student administrative bodies are present in all departments as well on an Institutional level which enhances the awareness about various student support services.

- ✓ The Institution has Women Redressal Cell, Grievance Cell and Anti Ragging cell signage's at prominent locations of the Institution.

5.2 Efforts made by the institution for tracking the progression

- ✓ *The **Institution's examination system** well tracks the academic progression of each student individually and necessary steps are taken at all levels to enhance the student's academic performance.*

- ✓ *The institute offers a highly-efficient **mentor-mentee system** department wise through which a group of 15-20 students are made and assigned to the faculties of the department. Mentors (TG) meet their students in the TG (Teaching –Guardian) slot available in the regular time table or during lunch & activity hours & the mentor guides the students for enhancement of academic performance and encourage them to actively participate in extra-curricular activities. The mentor (TG) guides them through career counselling & also helps them solve their personal issues.*

- ✓ *A **TG form** is well maintained & updated regularly by the TG which consists of the student's performance in **academic, co-curricular and extra-curricular activities**. The corrective actions are then taken by the Teacher Guardian to enhance the student's overall performance.*

- ✓ *The departmental practice of mentoring system (TG Scheme) has considerably enhanced the campus environment & brought about enhanced contact hours between mentor & their respective mentees. It has also improved the student's attendance in the class as well as participation in other activities. The system has been useful for both the Slow learner & advanced learner students. The departmental practice of mentoring system is such designed & implemented that it is totally student-centric and it renders equitable service to students of varied academic & financial backgrounds. It will keep track regarding progress and overall activities of student in order to move on correct path.*

- ✓ *The Institute organises **alumni meet** every year which helps track the progression of the pass out students.*

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others	**Total**
1867	**128**	**0**	**0**	**1995**

(b) No. of students outside the state

52

(c) No. of international students

NIL

No	%
1248	**62.56**

Men

No	%
747	**37.44**

Women

Last Year (16-17)								This Year (17-18)							
SBC	VJNT	General	SC	ST	OBC	Physically Challenged	Total	SBC	VJ NT	General	SC	ST	OBC	Physically Challenged	Total
94	115	574	507	19	758	0	2067	151	98	488	498	20	740	0	1995

Demand ratio   Dropout %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

✓ *Aptitude and Communication slots* *are provided in the Time Table Schedule.*

✓ *Workshops and trainings* *pertaining to Aptitude development and Communication Skills are conducted frequently in the department.*

✓ *GATE slots* *are provided in the time table so that students can utilize the time for preparing the GATE examination and the students are mentored by the Faculty.*

✓ *Seminars* *on awareness about competitive exams are also carried out by the regional competitive coaching Institutes familiarising the students about the competitive exams.*

✓ *Technical group discussions* *are conducted in practical hours.*

- ✓ *Technical workshops* *enhancing advance learning are conducted by the departments.*

- ✓ *Content beyond syllabus* *in course delivery is incorporated for higher degree learning of subject matter.*

- ✓ *Mock group discussions and Personal Interviews* *are conducted for the students by the experts/Industry persons outside the Institute.*

- ✓ *Guidance and awareness* *to students for competitive exams, its schedule, etc. by all departments is provided from time to time.*

No. of students beneficiaries 730

5.5 No. of students qualified in these examinations

NET   --   SET/SLET --   GATE 1   CAT 2

IAS/IPS etc --   State PSC --   UPSC   Others 4

5.6 Details of student counselling and career guidance

- ✓ *Teacher-Guardian scheme* *is functioning for student counselling and maintaining the academic record of the student.*

- ✓ *A group of* *15-20 students* *assigned to one teacher, who is guardian of the group throughout the academic year.*

- ✓ *The TG also* *counsels* *the students to solve the difficulties encountered not only in college campus but their personal lives too.*

- ✓ *The TG will resolve various* *academic and non- academic issues* *which directly or indirectly related to the students growth as a student and as a good person.*

- ✓ *TG (Teaching –Guardian) slot available in the* *regular time table* *& the teacher guides the students for enhancement of academic performance and encourage them to actively*

*participate in extra-curricular activities. The teacher guardian guides them through career counselling & also helps them solve their **personal issues**.*

✓ *The system has been useful for both **the slow learner** & **advanced learner students**.*

No. of students benefitted | 1596

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
110	533	210	38

5.8 Details of gender sensitization programmes

The Institution has organised the following programmes towards gender sensitization:

Title of the programme	Period (from-to)	Participants
Awareness program for girl students admitted in Ist Year	10/08/2017 To 12/08/2017	142
Seminar on awareness of breast cancer	10/11/2017	36
Blood donation camp and hemoglobin checkup of girl students with NSS	06/02/2018	274
International woman's day celebration	08/03/2018	105

Apart from above, the Institute has a well-established active Women Redressal Cell formed with the following objectives:

1. To sustain the dignity of women.

2. To equip the female students, faculty and staff members with knowledge of their legal rights.

3. To safeguard the female student, faculty and staff members.

4. To resolve issues pertaining to girls' and women's' sexual harassment.

5. To provide a platform for listening to complaints and redressal of grievances.

6. To incorporate hygiene habits ensure a healthy atmosphere in and around the institute.

5.9 Students Activities

5.9.1   No. of students participated in Sports, Games and other events

State/ University level 70   National level 2   International level --

No. of students participated in cultural events

State/ University level --   National level --   International level --

Activity	Level	Participants
Swimming	All India Inter University tournament, Punjab University	1
Football	VISTA 2K18, a National Level Event, at SBIIMS, Pune	1
Swimming	RTMNU (Zone Level)	1
Cricket	RTM Nagpur University Intercollegiate Tournament Zone level	18
Volleyball	RTM Nagpur University Intercollegiate Tournament Zone level	8
Football	RTM Nagpur University Intercollegiate Tournament Zone level	18
Badminton	RTM Nagpur University Intercollegiate Tournament Zone level	1

Basketball	RTM Nagpur University Intercollegiate Tournament Zone level	11
Kabaddi	RTM Nagpur University Intercollegiate Tournament Zone level	13

5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level | 1 | National level | 1 | International level | -- |

Name of the Activity	Award/recognition	Awarding body
Sports (Swimming)	Gold Medal	Nagpur University
Sports (Football)	Runner up	Sai Balaji International Institute of Management Sciences, Pune

Cultural: State/ University level | -- | National level | -- | International level | -- |

5.10 Scholarships and Financial Support

Financial support	Details	Number of Students	Amount
Financial support from institution	University & Class Toppers	19	95000
	Management Concession	80	1827524
Financial Support from Government	Scholarship + Freeship + EBC	1507	106741634
Financial support from other sources	Jaswantiben Parekh Scholarship	54	525000
Number of students who received International / National recognitions	--	--	--

5.11   Student organised / initiatives

Fairs   : State/ University level [1]   National level [1]   International level [--]

Exhibition: State/ University level [--]   National level [--]   International level [--]

5.12   No. of social initiatives undertaken by the students   [25]

5.13 Major grievances of students (if any) redressed: *No major grievances reported.*

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision of the Institution:

Emerge as a leading Institute for developing competent and creative Professionals.

Mission of the Institution:

- *Providing Quality Infrastructure and experienced faculty for academic excellence*

- *Inculcating skills, knowledge and opportunities for competency and creativity*

- *Aligning with Industries for knowledge sharing, research and development*

6.2 Does the Institution has a Management Information System

No.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- ✓ *Each Course In-charges prepares **Teaching plan** of respective Course prior to the start of academic session including the syllabus contents, beyond syllabus contents containing contemporary topics, self learning activity, educational videos, etc. to be undertaken along with the planning of mode of delivery/methods to be employed.*

- ✓ *The e-contents of the Courses are updated on **Moodle Platform** by all the Course In-charges for easy access to the students.*

- ✓   *The Outcome based education is adopted by the Institution and each Course has its **Course Outcomes** which is familiarised to the students at the commencement of the Course. The Course Outcomes is regularly evaluated after every assessment.*

- ✓   *The students are given the choice to select and study the **Elective Courses** made available by the University.*

- ✓   *The contents not covered through the University syllabus are taught to the students by including **content beyond syllabus** in the respective Course.*

- ✓   *For advance learning, the departments introduced **Certificate Courses, Spoken Tutorials, NPTEL Courses** etc. and the students were encouraged to undertake these courses, the details are as under:*

Sr. No.	Certificate	No of Students
Information Technology		
1	Spoken Tutorial Certificates	161
2	Spoken Tutorial Certificates	147
3	Programming in C	1
4	Programming in C++	7
5	HTML\CSS\JS	21
6	SQL	2
Computer Science & Engineering		
7	C(Spoken Tutorial)	52
8	C++ (Spoken Tutorial)	44
9	PHP and My SQL(Spoken Tutorial)	40
10	Introduction to Computers(Spoken Tutorial)	62
11	Java(Spoken Tutorial)	71
12	Introduction to Operating System (NPTEL)	2
13	Computer architecture and organization (NPTEL)	2
14	Introduction to Modern Application Development(NPTEL)	2
15	Programming in C++(NPTEL)	2
16	Introduction to Programming in C(NPTEL)	2
17	Introduction to algorithms and analysis (NPTEL)	1
18	Object oriented analysis and design(NPTEL)	2
19	Design and analysis of algorithms (NPTEL)	1

20	Data Base Management System (NPTEL)	9
21	Programming, Data Structures And Algorithms Using Python (NPTEL)	23
22	Introduction to Internet of Things (NPTEL)	10
23	Introduction to Machine Learning (NPTEL)	7
24	Cloud Computing(NPTEL)	9
25	Problem solving through Programming In C (NPTEL)	13
Mechanical Engineering		
26	AUTO CAD	34
Master of Business Administration		
27	NISM Certification course	11

✓ *Various **value added activities** viz. **Seminars, Guest Lectures, Expert Talks, Trainings, Workshops,** etc. were conducted throughout the session to fill the academic gap not covered through regular curriculum.*

✓ ***Feedbacks/Suggestions** from the Industry Persons/ Experts are taken for enhancing the Curriculum.*

✓ ***Mini Projects, Case Studies, skill development programmes** are included in the Curriculum for effective learning.*

6.3.2 Teaching and Learning

✓ *The planning and organization of the teaching, learning and evaluation scheduled for all the programmes in each discipline is done by a committee consisting of the **Dean Academics & respective Heads of Departments**.*

✓ *For effective teaching-learning process, classroom teaching is encouraged with the use of **power point presentations**, **video lectures, NPTEL lectures**, MOODLE server, animations etc.*

✓ *In order to provide ample academic flexibility to teachers & **students self learning topics, Open-ended experiments, case studies, mini projects** are given to*

students, the assessment of which is done through power point presentations, posters, technical quiz, mini working models etc.

✓ ***Various guest lectures, seminars, workshops, Industrial visits, skill enhancement programmes*** *are conducted for students for developing their technical skills. Based on this, suggestions & feedbacks are obtained from students & Stakeholders which is analysed.*

✓ ***Remedial classes*** *are conducted for the academically weak students.*

✓ ***Hardware based projects*** *are encouraged to be undertaken by the final year students.*

✓ ***Continuous evaluation*** *of final year Projects are carried out.*

✓ ***Well defined rubrics*** *for the evaluation of Practical's and final year projects.*

✓ ***Tutorial classes*** *are conducted to help enhance the knowledge of subject.*

6.3.3 Examination and Evaluation

✓ *Guidelines for examination & evaluation are framed by dean Academics. Examination & evaluation process is conducted, managed & organized in an effective manner maintaining **integrity & transparency** in the examination process. Examination pattern consist of two sessional exams and one Pre-University Test.*

✓ ***Question papers*** *for examination are first moderated by **moderation committee** in a desired format four days prior to the start of exam.*

- ✓ *The Course In-charge evaluates the answer sheets with well defined criteria maintaining the **transparency and fairness in the evaluation process**.*

- ✓ *Few selected **answer sheets** to be **moderated** are then moderated by the moderation committee.*

- ✓ *After the re-evaluation, **C0-attainment sheet** is prepared by the course In-charge, the criteria for attainment level of which is set by Programme assessment Committee of respective department.*

6.3.4 Research and Development

- ✓ *The Research and Development Cell is established with an objective of promoting research by students and the faculty members in newly emerging and challenging areas of Engineering, Technology, Science and Humanities.*

- ✓ *Faculty provided with On – Duty, Registration fee refunds for participating in conference, FDP, Seminars etc as per the policy of the institute.*

- ✓ *Encouraging faculty members to organize attend and present papers at state/national/international conferences, workshops and seminars.*

- ✓ *Faculty members and students are motivated to publish their research papers in reputed national and international journals / conferences.*

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library:

- ✓ *Library has sufficient e-journals which include DELNET, J-GATE etc. and sufficient back volumes for all the departments. Digital library facilities with National and International online journals are also provided. Library administrations like issue*

/ return of books are maintained through library software. Every year, additional volumes of books are added based on the requirements from all the departments.

✓ *Every class has one compulsory library hour / week for permitting the students to access the reference books and journals which augments the learning process. Apart from the central library, every department has a Department Library and NPTEL videos for various subjects.*

✓ *Maintenance of computational systems by Internal Systems Administration Team.*

ICT:

✓ *Some of the class rooms, seminar halls and laboratories pertaining in each department are enabled with ICT tools.*

✓ *For the most of the subjects, power point presentation and animated videos are being prepared by the faculty members and it is used for taking classes in an interactive way.*

Physical infrastructure/instrumentation:

✓ *The Supervisor is monitoring the maintenance of academic infrastructure and other facilities of the institute.*

✓ *A dedicated team of about 15 employees under the supervision of the office supervisor functions exclusively for maintaining the green landscape.*

6.3.6 Human Resource Management

- ✓ *The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by expert committee.*

- ✓ *The Institute organizes various orientation and enrichment program for both teaching and non-teaching staff members for upgrading their skills in the latest technology.*

- ✓ *Employee provident fund facility is provided to all regular staff.*

- ✓ *Special seven days leave is given for marriage of the staff.*

- ✓ *The ward of a staff member will be provided with a concession of 50% in the tuition fees, if he/she is willing to take admission in the school and the institute runs by Sir Shantilal Badjate Charitable Trust.*

- ✓ *Institute offers medical insurance for the staff members and students.*

- ✓ *Medical leave provision is given to the faculty and staff members based on the request.*

- ✓ *On duty is provided for pursuing higher studies, attending enrichment courses/seminars/conferences/workshops and exam duties as per the policy of the Institute.*

6.3.7 Faculty and Staff recruitment

- ✓ *The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by expert committee.*

- ✓ *A Transparent and fair recruitment is carried out.*

6.3.8 Industry Interaction / Collaboration

✓ *The institution emphasizes upon career development of the students. This can be achieved by establishing MoUs with reputed industries to enhance Industry-Institute Interaction activities like internships, industrial visits, in-plant trainings, value added courses, industrial projects, guest lectures etc., for the benefit of students.*

✓ *Entrepreneur Development Cell (EDC) is functioning for enhancing the industry-institute relationship.*

✓ *Arranging industrial visits, in-plant training and internship programmes to the students, for getting practical exposure and knowledge in the industrial environment.*

✓ *Providing internship training programme for the faculty members from industry to update their knowledge on present day industrial scenario.*

6.3.9 Admission of Students

✓ *The admissions of the students are strictly followed as per rules and regulation based on the Government of Maharashtra and AICTE norms*

6.4 Welfare schemes for

Teaching	✓ *Employee Provident Fund* ✓ *Insurance Scheme* ✓ *Medical Leaves* ✓ *Subsidised Canteen Facility* ✓ *Transport Facility* ✓ *Sick room facility* ✓ *Fee Concession for ward of faculty member admitted in the Institution.*

Non teaching	✓ *Employee Provident Fund* ✓ *Insurance Scheme* ✓ *Subsidised Canteen Facility* ✓ *Transport Facility* ✓ *Sick room facility*
Students	✓ *Transport Facility* ✓ *Sick room facility* ✓ *Subsidised Canteen Facility* ✓ *Sports facility* ✓ *Institute Level need based and merit based scholarship.* ✓ *Financial aid provided by the Institution for Significant Projects.*

6.5 Total corpus fund generated

30,50,000/-

6.6 Whether annual financial audit has been done   **√** Yes   No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	Internal Committees at Dept. and Central Level
Administrative	No	--	Yes	Internal Committee

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes [ ]   No [√]

For PG Programmes   Yes [ ]   No [√]

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Not Applicable.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable.

6.11 Activities and support from the Alumni Association:

- ✓ *Institute organised the Alumni Meet on 24th January 2018. More than 150 Alumni participated in that meet.*

- ✓ *Most of the Alumni shared their views regarding development of students.*

- ✓ *In Alumni meeting special attention is given on the comment section of the alumni feedback forms regarding implementation of latest technology, improvement in teaching methodology, infrastructure, facility etc.*

- ✓ *Some of the Alumni visit the college to give guest lecture, Placement guidance to the current students.*

- ✓ *The institute intended to strengthen the stakeholder relationship, participate in decision making process and to foster the institute level developmental activities,*

improvement of both the students and the faculty members by concreting the industry-academia partnership.

6.12 Activities and support from the Parent – Teacher Association

➕ *ABHINANDAN:*

✓   *This activity organised for the felicitation of placed students and their parents. With this students are provided with platform where they can share their experience of placement preparation and success story with their preceding batch. This influenced third year to perform better.*

➕   *PARENTS TEACHER MEET:*

✓   *Parent Teacher meeting is organized once in each semester. The tentative date is mentioned in academic calendar. On the basis of date of Parent Teacher meeting invitation is given one week before the meeting where all information like Date and Time of PTM is mentioned. The acknowledgement of the invitation is received by class in-charges. In Parent Teacher meeting the progress report of student is discussed in detail. Parents filled the feedback form where they signed; special attention is given on the comment section of the Parent feedback forms. Detail proof of Parent Teacher meeting like Photos, Signature sheet, feedback forms etc. is available and attached in File.*

6.13 Development programmes for support staff

✓   *Programs conducted for lab development & maintenance of laboratories.*

✓   *Programs organized for skill development including MS-office.*

6.14 Initiatives taken by the institution to make the campus eco-friendly

- ✓ *Tree plantation*

- ✓ *Rain water harvesting*

- ✓ *Promotion of paperless work*

- ✓ *World environment day celebration.*

- ✓ *E Waste management*

- ✓ *The Institute's building infrastructure is such designed that it utilizes natural illumination and ventilation to its optimum.*

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- ✓ *The classrooms of the institute were made well equipped with modern LCD projectors and computers. The Faculties facilitated the teaching through Power Point presentations (PPT's), PDF's etc. including animations, effects etc. for efficient learning of the subject matter by the students. Also the Institute has a dedicated video server where the NPTEL videos of the courses are always available for the students for better learning*

- ✓ *The institute has indigenously implemented Moodle platform and Video Streaming Server for the students and faculties to aid effective teaching learning. The Faculties upload their course contents in the form of PPT's/PDF's/ Links/Videos etc. which is made available to the students through proper login and the course materials are readily available to them at any point of time.*

- ✓ *Some topics of each subject were given to students as self-learning topic which will be presented by students in the class. It improves the confidence and presentation skills of the students.*

- ✓ *Skill enhancement Modules for the students had been conducted for increasing their knowledge towards modern tools and programming languages.*

- ✓ *Encouraged students for Internship. 95% of the final year students completed their internship in the various reputed industries. Some of the students did the Industry based projects.*

- ✓ *Introduced More effective technique to accomplish the subject with creative assignment which include the overall subject knowledge with application.*

- *Case studies on technical/non-technical topics are allotted to the students by the Class In-charge. The students are required to analyse the given topic, explore/gather information, prepare, develop and submit the case study in the form of report which has enhanced their self learning ability through exploration.*

- *Bright student activities are conducted for enhancement of student's technical, competitive skills, exposure to the industrial environment and interaction with the experts of different domains.*

- *Remedial classes are conducted for slow learner to help academically weak students to cope up the required academic growth for their better performance.*

- *Evaluating outcomes of the training programs/workshops.*

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- *Academic Calendar has been planned at the beginning of the academic year and stringently followed.*

- *If completion of the syllabus of any subject is lagging behind according to the planning, then extra classes are planned on Holidays.*

- *Feedback policy has been framed at the beginning of the academic year and timely necessary actions were taken for improvements.*

- *Goal Setting was done by every faculty member at the commencement of the academic year which has been analysed by Head of Department at the end of academic year. It reflects the overall performance of faculty member in their appraisal.*

- *The Institute planned measures of conducting prerequisite tests and analyzing the results of the same to cover gaps in learning.*

- *Self departmental and Internal Academic Audits were conducted as per the schedule under the guideline of Dean Academics.*

- ✓ *Bright Student and weak student activities were conducted as per the academic plan.*

- ✓ *Programme outcome (PO) related activities carried out (not met through regular academic teaching) in the semester sessions.*

- ✓ *Seminars/Workshops/Trainings etc. are conducted.*

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Active Students Forum and Student Chapters for professional development.
2. Self-Learning Activity

Details of Best Practices is provided in Annexure III

7.4 Contribution to environmental awareness / protection

- ✓ *Environmental studies is compulsory to all branches of engineering as per the syllabus of RTM Nagpur University Nagpur.*

- ✓ *Environmental related poster competitions for the students are arranged.*

- ✓ *The campus culture not only integrates the physical environmental awareness rather it takes care to develop healthy social environment too.*

- ✓ *Cleanliness is maintained and promoted in campus in order to enforce awareness in students regarding environmental protection.*

- ✓ *Swatch Bharat Abhiyaan by NCC.*

- ✓ *Tree plantation in the campus by the students and faculty members is carried.*

- *Utilization of renewable energy within the campus like solar energy for lighting the campus.*

- *The campus adds vitality to its life by enthusiastically celebrating all festivals of various religions.*

- *Rain water harvesting.*

- *Use of e-circular and e-notice to promote the green environment (Paperless administrative work).*

7.5 Whether environmental audit was conducted?   Yes ☐   No ☑

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

🞣 Strengths

- *Devoted, dedicated, determined and disciplined faculty members are the backbone of the Institute.*

- *Dean Academics guides and supports the departments for fulfilling the curriculum gap identified.*

- *Strong and consistent academic performance in the University examinations.*

- *Value Added Courses are conducted to impact necessary skills to the students in order to fulfill industrial expectation.*

- *Content beyond the syllabus are prepared by every staff in order to fill the curriculum gap between Industry and Institute.*

- *Have increasing number in campus placements.*

- *Sufficient and Adequate laboratory with modern facilities.*

- *Merit based scholarship is given to students.*

✓ *Need based scholarship is also given to the economically weaker students.*

➕ **Weakness**

✓ *The Institute needs to strengthen the research activities by taking initiatives for formation of Centre of Excellence and Research Centre.*

✓ *The socio-economic background of many of the students admitted in the department is responsible for poor language competence. This leads to an unsatisfactory level of comprehension and communication.*

➕ **Opportunities**

✓ *Develop more interdisciplinary research/projects.*

✓ *Strengthen industry institute interaction to give better industrial exposure to the students.*

✓ *Innovations and creativities can be provoked through incubation cell.*

➕ **Challenges**

✓ *Challenges related to Entrepreneurship development*

✓ *Promoting the Research Environment among Staff and students.*

✓ *Frequent and fast changing technology.*
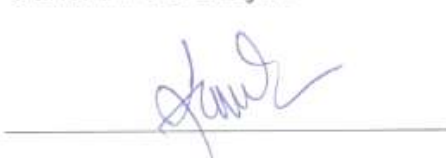
8. **Plans of institution for next year**

- ✓ *Preparation for NBA Accreditation.*

- ✓ *Effective involvement of Alumni in various College Activities*

- ✓ *To increase the no of students to appear for the GATE, CAT, GRE/TOFEL Examination.*

- ✓ *To set up industry sponsored lab at the Institute.*

- ✓ *Tie up with more Professional and Institutional bodies.*

- ✓ *To establish the new MoUs with the reputed industries.*

- ✓ *To encourage more faculty members to pursue higher education.*

- ✓ *To improve Student Internship Program.*

- ✓ *To conduct more workshop/STTP/FDP for the faculties.*

- ✓ *To promote the faculty members for Research & Development activities.*

- ✓ *More Computer training programmes to be conducted for rural area students.*

- ✓ *Carry out additional Extension activities towards social cause through Unnat Bharat Abhiyan etc.*

Name: Dr. Pankaj B Thote

_____

Signature of the Coordinator, IQAC

Name: Dr. S L Badjate

_____

Signature of the Chairperson, IQAC

_____***_____

ANNEXURE I

(A)   INSTITUTE ACADEMIC CALENDAR III/V SEM 2017-18 (ODD)

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

ACADEMIC CALENDAR
Session-2017-18
B.E. III/V SEMESTER (ODD)

Date of Issue: 25.05.2017

Sr.No.	Scheduled Date	Events
1	1st June, 2017	Start of Session
2	2nd June, 2017	Display of Time-Table
3	7th June, 2017	Commencement of Classes
4	12th June, 2017	Declaration of Internal Marks Policy
5	1st July, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
6	3rd July, 2017	Issue of Warning Letter-I to irregular students
7	4th – 7th July, 2017	Student Feedback – I
8	10th July, 2017	Display of Sessional Exam - I Timetable
9	17th – 22nd July, 2017	Sessional Exam – I
10	25th July, 2017	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics
11	25th July, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
12	26th - 31st July, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
13	1st August, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
14	3rd August, 2017	Issue of Warning Letter-II to irregular students
15	14th August, 2017	Display of Sessional Exam - II Timetable
16	21st -26th August, 2017	Sessional Exam - II
17	29th August, 2017	Display of Sessional Exam – II marks; Submission of its CO attainment to the office of Dean Academics
18	29th August, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
19	1st - 7th September, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
20	1st September, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
21	4th September, 2017	Display of Provisional Detention List; Submission of Provisional Detention List to the office of Dean Academics
22	4th September, 2017	Issue of Warning Letter-III to irregular students
23	5th – 7th September, 2017	Forum Activities
24	Second week of September, 2017	Parent -Teacher Meet
25	11th – 15th September, 2017	Student Feedback – II
26	19th September, 2017	Last Teaching Day
27	19th September, 2017	Display of Pre University Test (PUT) Timetable
28	19th September, 2017	Display of academically weak students list (course wise); Display of Remedial class and Makeup class Time Table
29	21st- 23rd September, 2017	Conduction of Remedial Classes
30	21st- 25th September, 2017	Makeup classes for direct second year polytechnic students
31	25th September, 2017	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
32	25th September, 2017	Submission of Final Detention List to Dean Academics
33	25th September, 2017	Issue of Final detention Letter
34	27th September – 10th October, 2017	PUT & Internal Practical Examination
35	27th September – 10th October, 2017	Course Exit Feedback, Department Feedback & Facility Feedback
36	10th October, 2017	Display of PUT Marks; Submission of its CO attainment to the office of Dean Academics
37	14th October, 2017	Internals Marks Finalization (Theory & Practical)

• The dates may change due to unforeseen circumstances; hence all concerned to take note of the same and plan their activity accordingly.

• For direct second year polytechnic students, special classes (theory/practical) to be conducted whenever possible in the session apart from the slot provided in academic calendar for the complete syllabus coverage.

Dean Academics,
S.B.J.I.T.M.R., Nagpur

Principal,
S.B.J.I.T.M.R., Nagpur

S. B. JAIN INSTITUTE OF TECHNOLOGY MANAGEMENT & RESEARCH, NAGPUR

ACADEMIC CALENDAR
Session-2017-18
B.E. VII SEMESTER (ODD)

Date of Issue: <u>10.06.2017</u>

Sr.No.	Scheduled Date	Events
1	1st June, 2017	Start of Session
2	Upto 24th June, 2017	Summer Internship
3	23rd June, 2017	Display of Time-Table
4	27th June, 2017	Commencement of Classes
5	30th June, 2017	Declaration of Internal Marks Policy
6	8th July, 2017	Project Title Finalization
7	26th – 29th July, 2017	Student Feedback – I
8	17th July, 2017	Display of Sessional Exam – I Timetable
9	24th July – 29th July, 2017	Sessional Exam – I
10	1st August, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
11	2nd August, 2017	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics
12	2nd August, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
13	3rd August, 2017	Issue of Warning Letter-I to irregular students
14	3rd – 9th August, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
15	5th August, 2017	Literature survey seminar and synopsis submission
16	14th August, 2017	Display of Sessional Exam – II Timetable
17	21st -26th August, 2017	Sessional Exam – II
18	29th August, 2017	Display of Sessional Exam – II marks; Submission of its CO attainment to the office of Dean Academics
19	29th August, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
20	31st August, 2017	Project progress seminar-I
21	1st – 7th September, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
22	1st September, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
23	4th September, 2017	Display of Provisional Detention List; Submission of Provisional Detention List to the office of Dean Academics
24	4th September, 2017	Issue of Warning Letter-II to irregular students
25	5th – 7th September, 2017	Forum Activities
26	Second week of September, 2017	Parent –Teacher Meet
27	11th – 15th September, 2017	Student Feedback – II
28	16th September, 2017	Project progress seminar-II
29	19th September, 2017	Last Teaching Day
30	19th September, 2017	Display of Pre University Test (PUT) Timetable
31	19th September, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table
32	21st - 23rd September, 2017	Conduction of Remedial Classes
33	25th September, 2017	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
34	25th September, 2017	Submission of Final Detention List to Dean Academics
35	25th September, 2017	Issue of Final detention Letter
36	27th September – 10th October, 2017	PUT & Internal Practical Examination
37	27th September – 10th October, 2017	Course Exit Feedback, Department Feedback & Facility Feedback
38	10th October, 2017	Display of PUT Marks; Submission of its CO attainment to the office of Dean Academics
39	14th October, 2017	Internals Marks Finalization (Theory & Practical)

* The dates may change due to unforeseen circumstances; hence all concerned to take note of the same and plan their activity accordingly.
* Sunday's can be also be engaged for complete syllabus coverage and to be planned accordingly.

Dean Academics,
S.B.J.I.T.M.R., Nagpur

Principal,
S.B.J.I.T.M.R., Nagpur

(C) EXTENDED INSTITUTE ACADEMIC CALENDAR 2017-18 (ODD)

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

ACADEMIC CALENDAR (EXTENDED)
Session-2017-18
### B.E. III/V/VII SEMESTER (ODD)

Date of Issue: 05.09.2017

23rd September 2017	Last Teaching date for regular students
23rd September 2017	Display of Pre University Test (PUT) Timetable (Regular students)
25th September - 14th October 2017	Make up classes for direct 2nd year admitted students
25th September, 2017	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
25th September, 2017	Submission of Final Detention List to Dean Academics
25th September, 2017	Issue of Final detention Letter
26th September - 09th October 2017	PUT & Internal Practical Examination for regular students
26th September – 9th October, 2017	Course Exit Feedback, Department Feedback & Facility Feedback
14th October 2017	Display of Pre University Test (PUT) Timetable for 2nd year admitted students
17th October 2017	Display of PUT Marks (Regular Students); Submission of its CO attainment to the office of Dean Academics
17th October - 31st October 2017	PUT & Internal Practical Examination for direct 2nd year admitted students
25th - 31th October 2017	Activities for bright students (Workshops/Seminars/ Enhancement programmes/Case Studies/Mini-Projects etc.)
26th October - 31st October 2017	Remedial classes and other activities for weak students (weak students identified from Sessional Exam I, II & PUT)
6th November 2017	Display of PUT Marks (direct 2nd year admitted students); Submission of its CO attainment to the office of Dean Academics
6th November 2017	Internals Marks Finalization (Theory & Practical)

- Academic activities till 16th September must be in accordance to the regular academic calendar.
- Dates may change due to unforeseen circumstances, hence all concerned to take note of the same and plan their activity accordingly.

Dean Academics,
S.B.J.I.T.M.R. Nagpur

Principal,
S.B.J.I.T.M.R., Nagpur
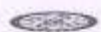
S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

ACADEMIC CALENDAR
Session-2017-18
B.E. IV/VI & VIII SEMESTER (EVEN)

Date of Issue: 20.11.2017

Sr.No.	Scheduled Date	Events
1	30th – 14th December	Aptitude Training for VIII Semester
2	1st December, 2017	Start of Even Semester
3	2nd December, 2017	Display of Time-Table
4	4th December, 2017	Commencement of Classes (2nd & 3rd Year)
5	15th December, 2017	Commencement of Classes (Final Year)
6	15th December, 2017	Display of Internal Marks Policy
7	26th December, 2017	Display of Sessional Exam - I Timetable (2nd & 3rd Year)
8	3rd January, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
9	4th – 12th January, 2018	Sessional Exam – I (2nd & 3rd Year)
10	5th January, 2018	Issue of Warning Letter-I to irregular students
11	5th – 9th January, 2018	Student Feedback – I
12	7th January, 2018	Display of Sessional Exam - I Timetable (Final Year)
13	13th – 20th January, 2018	"Manthan" – Student Development Program
14	15th – 23rd January, 2018	Sessional Exam – I (Final Year)
15	16th January, 2018	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics (2nd & 3rd Year)
16	16th January, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students(2nd & 3rd Year)
17	19th – 24th January, 2018	Conduction of Remedial Classes (Before/after normal class schedule) (2nd & 3rd Year)
18	26th – 28th January, 2018	Annual Tech Fest "Technotsav"
19	27th January, 2018	Alumni Meet
20	27th January, 2018	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics (Final Year)
21	27th January, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students(Final Year)
22	30th January - 3th February, 2018	Conduction of Remedial Classes (Before/after normal class schedule) (Final Year)
23	3rd February, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
24	5th February, 2018	Issue of Warning Letter-II to irregular students
25	12th February, 2018	Display of Sessional Exam - II Timetable
26	20th -27th February, 2018	Sessional Exam - II
27	3rd March, 2018	Display of Sessional Exam – II marks; Submission of its CO attainment to the office of Dean Academics
28	3rd March, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students
29	5th - 10th March, 2018	Conduction of Remedial Classes (Before/after normal class schedule)
30	5th March, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
31	5th March, 2018	Display of Provisional Detention List; Submission of Provisional Detention List to the office of Dean Academics
32	6th March, 2018	Issue of Warning Letter-III to irregular students
33	5th -10th March, 2018	Parent -Teacher Meet
34	5th -10th March, 2018	Student Feedback – II
35	17th March, 2018	Last Teaching Day
36	17th March, 2018	Display of Pre University Test (PUT) Timetable
37	20th March, 2018	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
38	20th March, 2018	Submission of Final Detention List to Dean Academics
39	21st March, 2018	Issue of Final detention Letter
40	26th March – 10th April, 2018	PUT & Internal Practical Examination
41	26th March – 10th April, 2018	Course Exit Feedback, Department Feedback & Facility Feedback
42	12th – 17th April, 2018	Activities for bright students (Workshops/Seminars/ Enhancement programmes/Case Studies/Mini-Projects etc.)
43	12th – 17th April, 2018	Remedial classes and other activities for under-performers (Identified from Sessional Exam I, II & PUT)
44	13th April, 2018	Display of PUT Marks; Submission of its CO attainment to the office of Dean Academics
45	16th April, 2018	Internals Marks Finalization (Theory & Practical)

• The dates may change due to unforeseen circumstances, hence all concerned to take note of the same and plan their activity accordingly

Dean Academics,
S.B.J.I.T.M.R., Nagpur

Principal,
S.B.J.I.T.M.R., Nagpur

(E) REVISED INSTITUTE ACADEMIC CALENDAR IV/VI & VIII SEM 2017-18 (EVEN)

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

MODIFIED ACADEMIC CALENDAR
Session-2017-18
B.E. IV/VI & VIII SEMESTER (EVEN)

Date of Issue: 8.1.2018

Sr.No.	Scheduled Date	Events
1	30th – 14th December	Aptitude Training for VIII Semester
2	1st December, 2017	Start of Even Semester
3	2nd December, 2017	Display of Time-Table
4	4th December, 2017	Commencement of Classes (2nd & 3rd Year)
5	15th December, 2017	Commencement of Classes (Final Year)
6	15th December, 2017	Display of Internal Marks Policy
7	26th December, 2017	Display of Sessional Exam - I Timetable (2nd & 3rd Year)
8	3rd January, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
9	4th – 12th January, 2018	Sessional Exam – I (2nd & 3rd Year)
10	5th January, 2018	Issue of Warning Letter-I to irregular students
11	5th – 9th January, 2018	Student Feedback – I
12	7th January, 2018	Display of Sessional Exam - I Timetable (Final Year)
13	15th – 23rd January, 2018	Sessional Exam – I (Final Year)
14	16th January, 2018	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics (2nd & 3rd Year)
15	16th January, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students(2nd & 3rd Year)
16	19th – 24th January, 2018	Conduction of Remedial Classes (Before/after normal class schedule) (2nd & 3rd Year)
17	27th – 29th January, 2018	Annual Tech Fest "Technotsav"
18	27th January, 2018	Alumni Meet
19	27th January, 2018	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics (Final Year)
20	27th January, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students(Final Year)
21	31st January - 6th February, 2018	Conduction of Remedial Classes (Before/after normal class schedule) (Final Year)
22	1st – 15th February, 2018	"Manthan" – Student Development Program
23	3rd February, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
24	5th February, 2018	Issue of Warning Letter-II to irregular students
25	12th February, 2018	Display of Sessional Exam - II Timetable
26	20th -27th February, 2018	Sessional Exam - II
27	3rd March, 2018	Display of Sessional Exam – II marks; Submission of its CO attainment to the office of Dean Academics
28	3rd March, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students
29	5th - 10th March, 2018	Conduction of Remedial Classes (Before/after normal class schedule)
30	5th March, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
31	5th March, 2018	Display of Provisional Detention List; Submission of Provisional Detention List to the office of Dean Academics
32	6th March, 2018	Issue of Warning Letter-III to irregular students
33	5th -10th March, 2018	Parent -Teacher Meet
34	5th -10th March, 2018	Student Feedback – II
35	10th March, 2018	Display of Pre University Test (PUT) Timetable
36	14th March, 2018	Last Teaching Day
37	17th March, 2018	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
38	17th March, 2018	Submission of Final Detention List to Dean Academics
39	17th March, 2018	Issue of Final detention Letter
40	17th March – 2nd April, 2018	PUT & Internal Practical Examination
41	17th March – 2nd April, 2018	Course Exit Feedback, Department Feedback & Facility Feedback
42	21st March – 2nd April, 2018	Remedial classes and other activities for under-performers (Identified from Sessional Exam I, II & PUT)
43	3rd – 7th April, 2018	Activities for bright students (Workshops/Seminars/ Enhancement programmes/Case Studies/Mini-Projects etc.)
44	6th April, 2018	Display of PUT Marks; Submission of its CO attainment to the office of Dean Academics
45	10th April, 2018	Internals Marks Finalization (Theory & Practical)

• The dates may change due to unforeseen circumstances, hence all concerned to take note of the same and plan their activity accordingly.

Dean Academics,
S.B.J.I.T.M.R., Nagpur

Principal,
S.B.J.I.T.M.R., Nagpur

(F) DEPARTMENT ACADEMIC CALENDAR (EE) III/V SEM 2017-18 (ODD)

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

Department of Electrical Engineering

ACADEMIC CALENDAR
Session-2017-18
B.E. III/V SEMESTER (ODD)

Date of Issue: 30.05.2017

Sr. No.	Scheduled Date	Events
1	1st June, 2017	Start of Session
2	2nd June, 2017	Display of Time-Table
3	7th June, 2017	Commencement of Classes
4	7th June, 2017	Orientation Program for 2nd Year
5	10th June, 2017	Allotment of Teacher Guardian & Class Representative
6	12th June, 2017	Declaration of Internal Marks Policy
7	14th -15th June, 2017	Communication Training For Third Year
8	16th -17th June, 2017	Communication Training For Second Year
9	24th June, 2017	Skill Enhancement program for Second Year & Third Year (Module –I)
10	1st July, 2017	Skill Enhancement program for Second Year & Third Year (Module –II)
11	Last Week of June, 2017	Forum Committee Formation
12	1st July, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
13	3rd July, 2017	Issue of Warning Letter-I to irregular students
14	4th – 7th July, 2017	Student Feedback – I (Theory)
15	10th July, 2017	Display of Sessional Exam - I Timetable
16	Second week of July	Industrial Visit for Third Year
17	17th – 22th July, 2017	Sessional Exam – I
18	22th July, 2017	Skill Enhancement program for Second Year & Third Year (Module –III)
19	25th July, 2017	Display of Sessional Exam - I marks; Submission of its CO attainment to the office of Dean Academics
20	25th July, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
21	25th –30th July, 2017	Student Feedback – I (Practical)
22	29th July, 2017	Skill Enhancement program for Second Year & Third Year (Module –IV)
23	26th - 31th July, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
24	1st August, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
26	3rd August, 2017	Issue of Warning Letter-II to irregular students
27	5th August, 2017	Skill Enhancement program for Second Year (Module –V)
28	Second Week of August	Industrial Visit for Second Year
29	12th August, 2017	Skill Enhancement program for Second Year (Module –VI)
30	14th August, 2017	Display of Sessional Exam - II Timetable
31	21st -26th August, 2017	Sessional Exam - II
32	29th August, 2017	Display of Sessional Exam – II marks; Submission of its CO attainment to the office of Dean Academics
33	29th August, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
34	Last week of August, 2017	Orientation Program for Direct Second Year
35	1st - 7th September, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
36	1st September, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
37	4th September, 2017	Display of Provisional Detention List; Submission of Provisional Detention List to the office of Dean Academics
38	4th September, 2017	Issue of Warning Letter-III to irregular students
39	5th – 7th September, 2017	Forum Activities
40	Second week of September, 2017	Parent -Teacher Meet
41	11th - 15th September, 2017	Student Feedback – II (Theory + Practical)
42	19th September, 2017	Last Teaching Day
43	19th September, 2017	Display of Pre University Test (PUT) Timetable
44	19th September, 2017	Display of academically weak students list (course wise); Display of Remedial class and Makeup class Time Table
45	21st - 23rd September, 2017	Conduction of Remedial Classes
46	21st -25rd September, 2017	Makeup classes for direct second year polytechnic students
47	25th September, 2017	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
48	25th September, 2017	Submission of Final Detention List to Dean Academics
49	25th September, 2017	Issue of Final detention Letter
50	27th September – 10th October, 2017	PUT & Internal Practical Examination
51	27th September – 10th October, 2017	Course Exit Feedback, Department Feedback & Facility Feedback
52	10th October, 2017	Display of PUT Marks; Submission of its CO attainment to the office of Dean Academics
52	14th October, 2017	Internals Marks Finalization (Theory & Practical)

Dr. Pankaj B. Thote
HOD EE Dept.

Dr. Pankaj B. Thote
Dean Academics

(G)DEPARTMENT ACADEMIC CALENDAR (EE) VII SEM 2017-18 (ODD)

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR
Department of Electrical Engineering

ACADEMIC CALENDAR
Session-2017-18
B.E. VII SEMESTER (ODD)

Date of Issue: 24.06.2017

Sr. No.	Scheduled Date	Events
1	1st June, 2017	Start of Session
2	Upto 24th June, 2017	Summer Internship
3	23th June, 2017	Display of Time-Table
4	27th June, 2017	Commencement of Classes
5	30th June, 2017	Allotment of Teacher Guardian & Class Representative
6	30th June, 2017	Declaration of Internal Marks Policy
7	Last Week of June, 2017	Forum Committee Formation
8	7th July, 2017	Skill Enhancement program for Final Year (Module –I)
9	8th July, 2017	Project Title Finalization
10	10th July, 2017	Report Submission of Internship
11	12th July, 2017	Seminar on Internship
12	17th July, 2017	Display of Sessional Exam - I Timetable
13	21st July, 2017	Skill Enhancement program for Final Year (Module –II)
14	24th – 29th July, 2017	Sessional Exam – I
15	26th – 29th July, 2017	Student Feedback – I
16	1st August, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
17	2nd August, 2017	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics
18	2nd August, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
19	3rd August, 2017	Issue of Warning Letter-I to irregular students
20	3rd - 9th August, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
21	5th – August, 2017	Literature survey seminar and synopsis submission
22	14th August, 2017	Display of Sessional Exam - II Timetable
23	21st August, 2017	Skill Enhancement program for Final Year (Module –III)
24	21st -26th August, 2017	Sessional Exam - II
25	29th August, 2017	Display of Sessional Exam – II marks; Submission of its CO attainment to the office of Dean Academics
26	29th August, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table for such students
27	31st August, 2017	Project progress seminar-I
28	Last week of August	Industrial visit of Final Year
29	1st – 7th September, 2017	Conduction of Remedial Classes (Before/after normal class schedule)
30	1st September, 2017	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
31	4th September, 2017	Display of Provisional Detention List; Submission of Provisional Detention List to the office of Dean Academics
32	4th September, 2017	Issue of Warning Letter-II to irregular students
33	5th – 7th September, 2017	Forum Activities
34	Second week of September, 2017	Parent -Teacher Meet
35	11th – 15th September, 2017	Student Feedback – II
36	16th September, 2017	Project progress seminar-II
37	19th September, 2017	Last Teaching Day
38	19th September, 2017	Display of Pre University Test (PUT) Timetable
39	19th September, 2017	Display of academically weak students list (course wise); Display of Remedial class Time Table
40	21st- 23rd September, 2017	Conduction of Remedial Classes
41	25th September, 2017	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
42	25th September, 2017	Submission of Final Detention List to Dean Academics
43	25th September, 2017	Issue of Final detention Letter
44	27th September – 10th October, 2017	PUT & Internal Practical Examination
45	27th September – 10th October, 2017	Course Exit Feedback, Department Feedback & Facility Feedback
46	10th October, 2017	Display of PUT Marks; Submission of its CO attainment to the office of Dean Academics
47	14th October, 2017	Internals Marks Finalization (Theory & Practical)

Dr. Pankaj R. Thote
HOD EE Dept.

Dr. Pankaj R. Thote
Dean Academics

(H) DEPARTMENT ACADEMIC CALENDAR (EE) IV/VI & VIII SEM 2017-18 (EVEN)

DEPARTMENT OF ELECTRICAL ENGINEERING.

Transform knowledge seekers to globally competent professionals in Electrical Engineering.

ACADEMIC CALENDAR
Session-2017-18
B.E. IV/VI & VIII SEMESTER (EVEN)

Date of Issue: 27.11.2017

Sr.No.	Scheduled Date	Events
1	30th – 14th December	Aptitude Training for VIII Semester
2	1st December, 2017	Start of Even Semester
3	2nd December, 2017	Display of Time-Table
4	4th December, 2017	Commencement of Classes (2nd & 3rd Year)
5	7th December, 2017	Allotment of Teacher Guardian & Class Representative (2nd & 3rd Year)
6	15th December, 2017	Commencement of Classes (Final Year)
7	15th December, 2017	Display of Internal Marks Policy
8	19th December, 2017	Allotment of Teacher Guardian & Class Representative (Final Year)
9	23rd December, 2017	Industrial Visit (3rd Year)
10	26th December, 2017	Display of Sessional Exam - I Timetable (2nd & 3rd Year)
11	28th December, 2017	Skill Enhancement program for 3rd Year (Module –I)
12	3rd January, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
13	4th – 12th January, 2018	Sessional Exam – I (2nd & 3rd Year)
14	5th January, 2018	Issue of Warning Letter-I to irregular students
15	5th – 9th January, 2018	Student Feedback – I
16	6th January, 2018	Project Progress Seminar- I
17	6th January, 2018	Industrial Visit (3rd Year)
18	7th January, 2018	Display of Sessional Exam - I Timetable (Final Year)
19	13th January, 2018	Industrial Visit (2nd Year)
20	13th January, 2018	Skill Enhancement program for final Year (Module –I)
21	13th – 20th January, 2018	"Manthan" – Student Development Program
22	15th – 23rd January, 2018	Sessional Exam – I (Final Year)
23	16th January, 2018	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics (2nd & 3rd Year)
24	16th January, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students(2nd & 3rd Year)
25	19th – 24th January, 2018	Conduction of Remedial Classes (Before/after normal class schedule) (2nd & 3rd Year)
26	20th January, 2018	Skill Enhancement program for 2nd Year (Module –I)
27	26th – 28th January, 2018	Annual Tech Fest "Technotsav"
28	27th January, 2018	Alumni Meet
29	27th January, 2018	Display of Sessional Exam – I marks; Submission of its CO attainment to the office of Dean Academics (Final Year)
30	27th January, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students(Final Year)
31	30th January - 3rd February, 2018	Conduction of Remedial Classes (Before/after normal class schedule) (Final Year)
32	3rd February, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
33	3rd February, 2018	Industrial Visit (3rd Year)
34	3rd February, 2018	Skill Enhancement program for final Year (Module –II)
35	5th February, 2018	Issue of Warning Letter-II to irregular students
36	10th February, 2018	Skill Enhancement program for 2nd & 3rd Year (Module –II)
37	10th February, 2018	Project Seminar - II
38	12th February, 2018	Display of Sessional Exam - II Timetable
39	20th -27th February, 2018	Sessional Exam - II
40	24th February, 2018	Skill Enhancement program for 2nd Year (Module –III)
41	3rd March, 2018	Display of Sessional Exam – II marks; Submission of its CO attainment to the office of Dean Academics
42	3rd March, 2018	Display of under-performer students list (course wise); Display of Remedial class Time Table for such students
43	3rd March, 2018	Industrial Visit (Final Year)
44	5th – 10th March, 2018	Conduction of Remedial Classes (Before/after normal class schedule)
45	5th March, 2018	Display of Attendance; Monthly Attendance Submission with Syllabus Coverage
46	5th March, 2018	Display of Provisional Detention List; Submission of Provisional Detention List to the office of Dean Academics
47	6th March, 2018	Issue of Warning Letter-III to irregular students
48	5th -10th March, 2018	Parent -Teacher Meet
49	5th -10th March, 2018	Student Feedback – II
50	10th March, 2018	Final Submission Project Seminar
51	17th March, 2018	Last Teaching Day
52	17th March, 2018	Display of Pre University Test (PUT) Timetable
53	20th March, 2018	Display of Final Attendance and Final Detention List; Final Attendance submission with Syllabus Coverage
54	20th March, 2018	Submission of Final Detention List to Dean Academics
55	21st March, 2018	Issue of Final detention Letter
56	26th March – 10th April, 2018	PUT & Internal Practical Examination
57	26th March – 10th April, 2018	Course Exit Feedback, Department Feedback & Facility Feedback
58	12th – 17th April, 2018	Activities for bright students (Workshops/Seminars/ Enhancement programmes/Case Studies/Mini-Projects etc.)
59	12th – 17th April, 2018	Remedial classes and other activities for under-performers (Identified from Sessional Exam I, II & PUT)
60	13th April, 2018	Display of PUT Marks; Submission of its CO attainment to the office of Dean Academics
61	16th April, 2018	Internals Marks Finalization (Theory & Practical)

The dates may change due to unforeseen circumstances, hence all concerned to take note of the same and plan their activity accordingly.

Dr. Pankaj B. Thote
HOD BE Dept.

Dr. Pankaj B. Thote
Dean Academics

ANNEXURE-II

FEEDBACK ANALYSIS

Feedback is an essential and integral part of an on-going learning process. It helps in gathering the perception of learning experiences/learning outcomes, comprehensive Course review, motivation and engagement along with overall satisfaction of the stake holders for continuous improvement of the Institution.

Hence, every department undertakes both formal and Informal Feedbacks from its various stake-holders viz. students, alumni, parents, employers etc. on various parameters. Google form, a modern tool is employed for feedback capture and analysis for student feedback. The feedback is assessed, analysed and best actions/ measures are undertaken for the Institutional quality enhancement.

A. STUDENT FEEDBACK ANALYSIS

The following feedback is taken from the students throughout the academic year:

Sr.No.	Name of Feedback	Occurrence
1	Theory Feedback	Twice in Semester
2	Practical Feedback	Twice in Semester
3	Course End Survey	At end of Semester
4	Department Feedback	Once in Semester
5	Facility Feedback	Once in Semester
6	Program Exist Survey	At the end of program.

(1) THEORY FEEDBACK
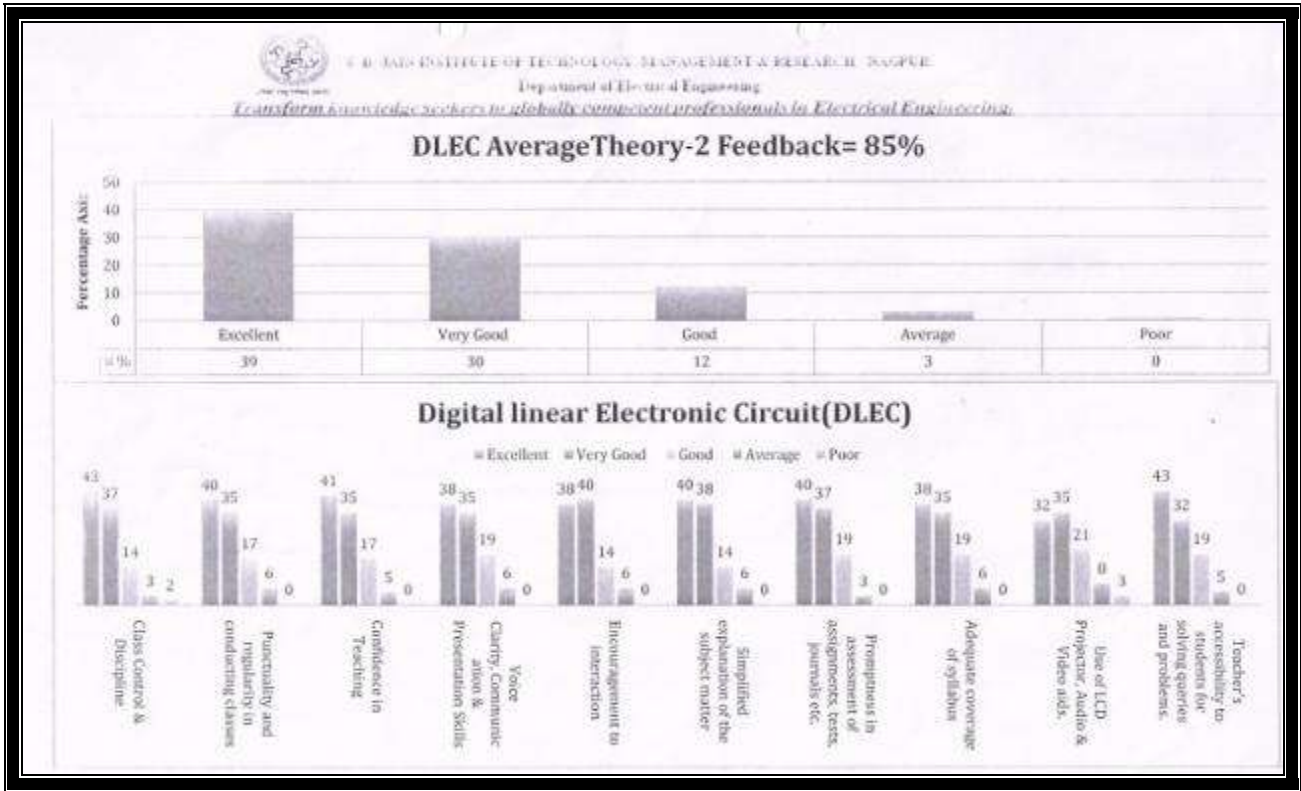
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Department of Electrical Engineering

Transform knowledge seekers to globally competent professionals in Electrical Engineering.

DLEC AverageTheory-2 Feedback= 85%

	Excellent	Very Good	Good	Average	Poor
%	39	30	12	3	0

Digital linear Electronic Circuit(DLEC)

■ Excellent ■ Very Good ■ Good ■ Average ■ Poor

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Discussion on Feedback

Name of Faculty:- Abhilasha Naidu   Academic Session: 2017 - 18   Date: 10/3/18

Subject: DLEC (Theory - 2)   Year/Semester: III / VI

Comment made by	Shortfall Identified from feedback	Corrective Action Discussed	Remarks
Faculty	Use of LCD, Projector, Audio Video Aids	will increase the use of LCD projector	
HoD			Scope for improvement

Signature of Faculty

Signature of HoD

(2) PRACTICAL FEEDBACK

DLEC Practical-2 Average Fedback=83%

	EXCELLENT	VERY GOOD	GOOD	AVERAGE	POOR
%	42	17	15	9	0

Digiatl Linear Electronic Circuit(DLEC) Practical-2 Average Feedback

■ EXCELLENT ■ VERY GOOD ■ GOOD ■ AVERAGE ■ POOR

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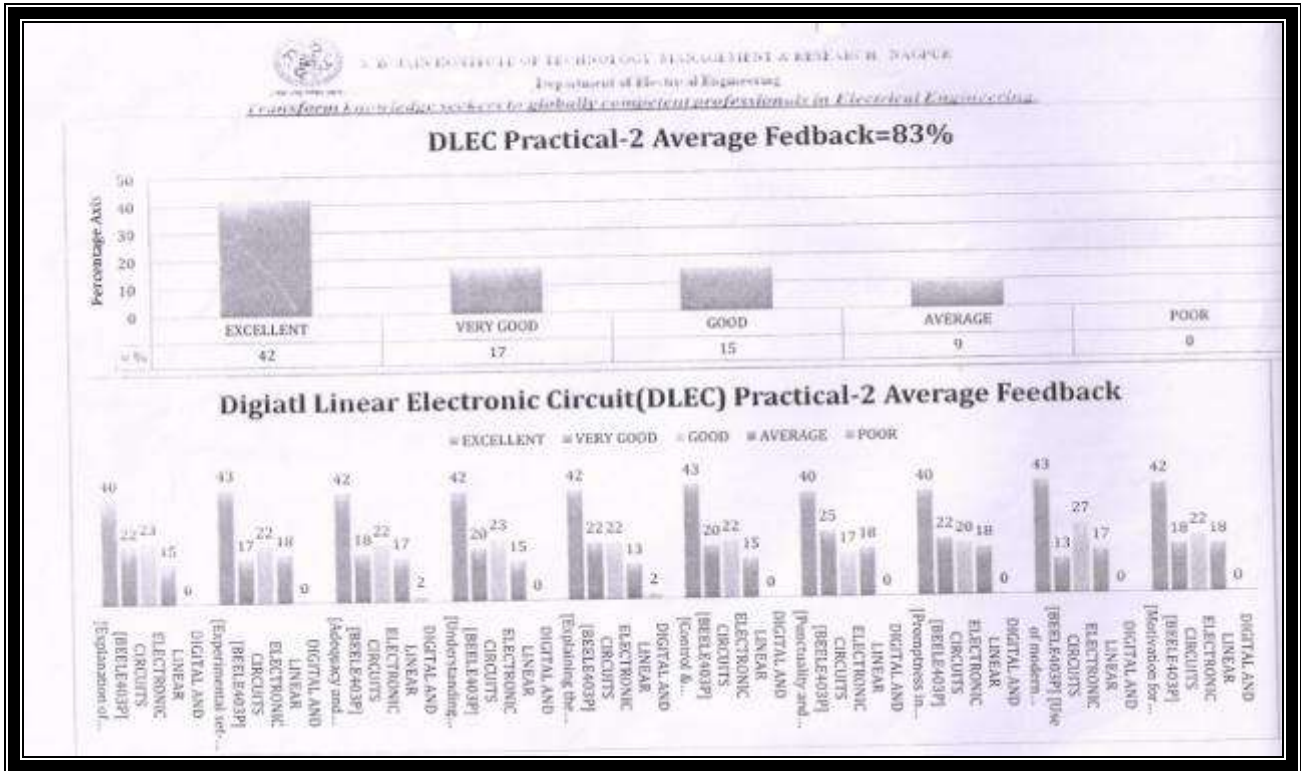
Discussion on Feedback

Name of Faculty: - Abhilasha Naidu   Academic Session: 2017-18   Date: 10/3/18

Subject: DLEC Practical- 2   Year/Semester: '

Comment made by	Shortfall Identified from feedback	Corrective Action Discussed	Remarks
Faculty	Motivation to the students.	More motivation will be done.	
HoD			Scope for improvement

Signature of Faculty   Signature of HoD

(3) COURSE END SURVEY

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DLEC-[CES]-Average Theory Feedback=80%

Excellent	Very Good	Good	Average	Poor
28	21	26	4	1

Digital Linear Electronic Circuit (DLEC) Course End Survey[CES] Theory Average Feedback

■ Excellent   ■ Very Good   ■ Good   ■ Average   ■ Poor

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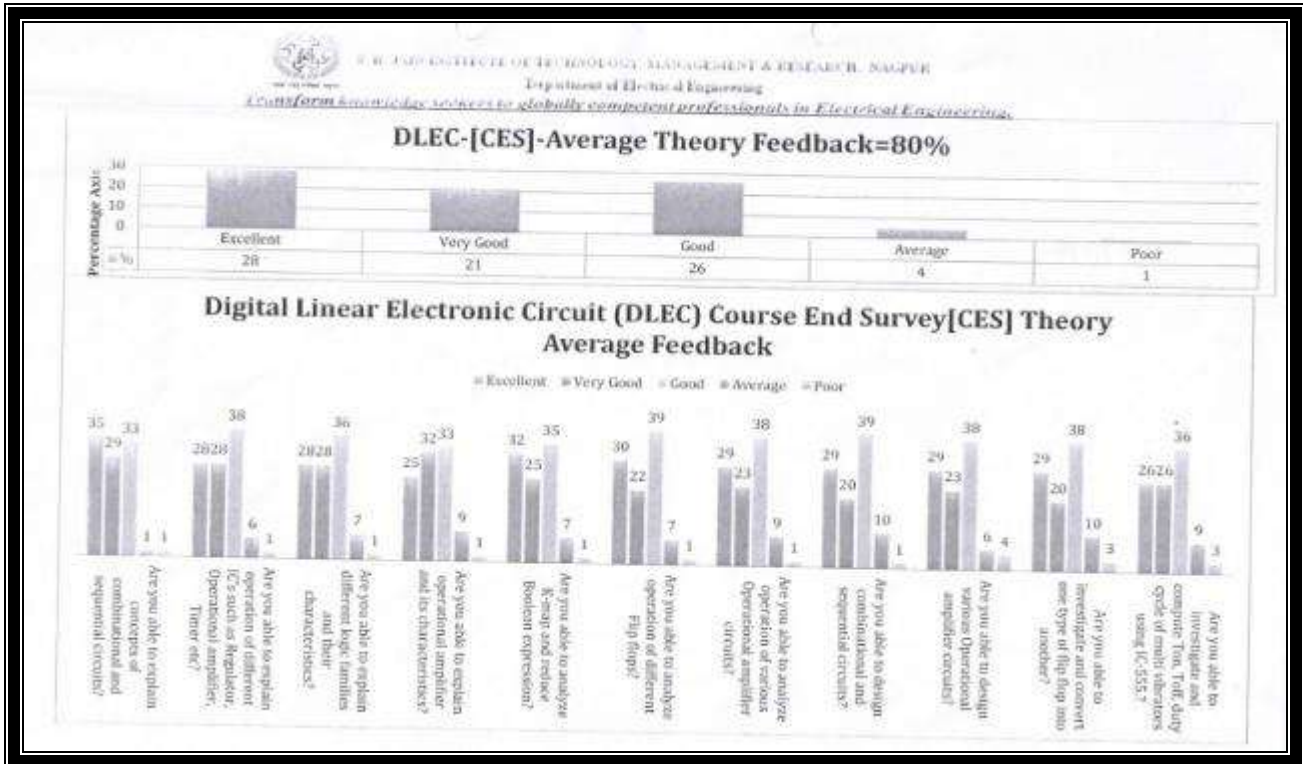
Discussion on Feedback

Name of Faculty: - Ms Abhilasha Naidu   Academic Session: 2017-18   Date: 9/4/18

Subject: Digital & Linear Electronic Circuits (Theory) CES   Year/Semester: 2nd / 4th

Comment made by	Shortfall Identified from feedback	Corrective Action Discussed	Remarks
Faculty	Flip-flop conversion	More practice Problems will be take to improve understanding of students	
HoD			Above corrective action to be planned in next acad yr.

Signature of Faculty

Signature of HoD

Session- (Even Sem) 2017-18
Feedback Analysis

Sr.No.	Sem.	Subject	Subject In charge	Overall Subject Feedback(%)
1	IV	Element of Electromagnetic	Dr.P.B.Thote	92.5
2		Applied Mathematics IV	Mr.Kshitij Shelare	91
3		Electrical Machine-I	Mr.Vishant Naik	88
			Mr.S.K.Singh	81.5(P)
4		Digital linear Electronic Circuits	Ms.Abhilasha Naidu	86.5
5			Ms.Abhilasha Naidu Mr.V Matta	85(P)
6		Computer Programming	Ms. Madhuri Dubey	89
7			Ms. Madhuri Dubey Mr.A.Deulkar	84(P)
8		Environmental Science	Mr.D.B.Rana	88.5
9	VI	Control System-I	Mr. Anurag Deulkar	61.5
			Mr.A.Khan Mr.A.Marothiya Mr. Anurag Deulkar	68(P)
10		Power Electronics	Dr.Yogesh Tatte	79.5
			Mr.A Junghare	78.5(P)
11		Power Station Practices	Ms.Rasika Linge	71
12		Engineering Economics and Industrial Management	Ms.Abhilasha Naidu	79.5
13		Electrical drives and their control	Mr.S.K.Singh	83.5
14		Industrial Visit Practical	Mr.Vishant Naik Dr.C.Rathor Mr.A.S.Pandey Mr.Md.Ashar	79.5(P)
15		Functional English	Ms. C Anthony	79.5
16	VIII	Computer applications in Power System	Mr.S.Kamble	78.5
			Ms Rasika Linge Mr.S.Kamble	77.5(P)
17		Switch gear & Protection	Mr.A.Marothiya	80.5
			Mr.A.Marothiya Dr.C.Rathor	80(P)
18		EHVAC DC Transmission	Mr.A.S.Pandey	77.5
19		Power Semiconductor based Drive	Mr.Md.Ashar	80
20		Electrical distribution System	Mr.Vishant Naik	87

Feedback Incharge
A.S.Pandey

(HOD&EE)

(3) DEPARTMENT FEEDBACK
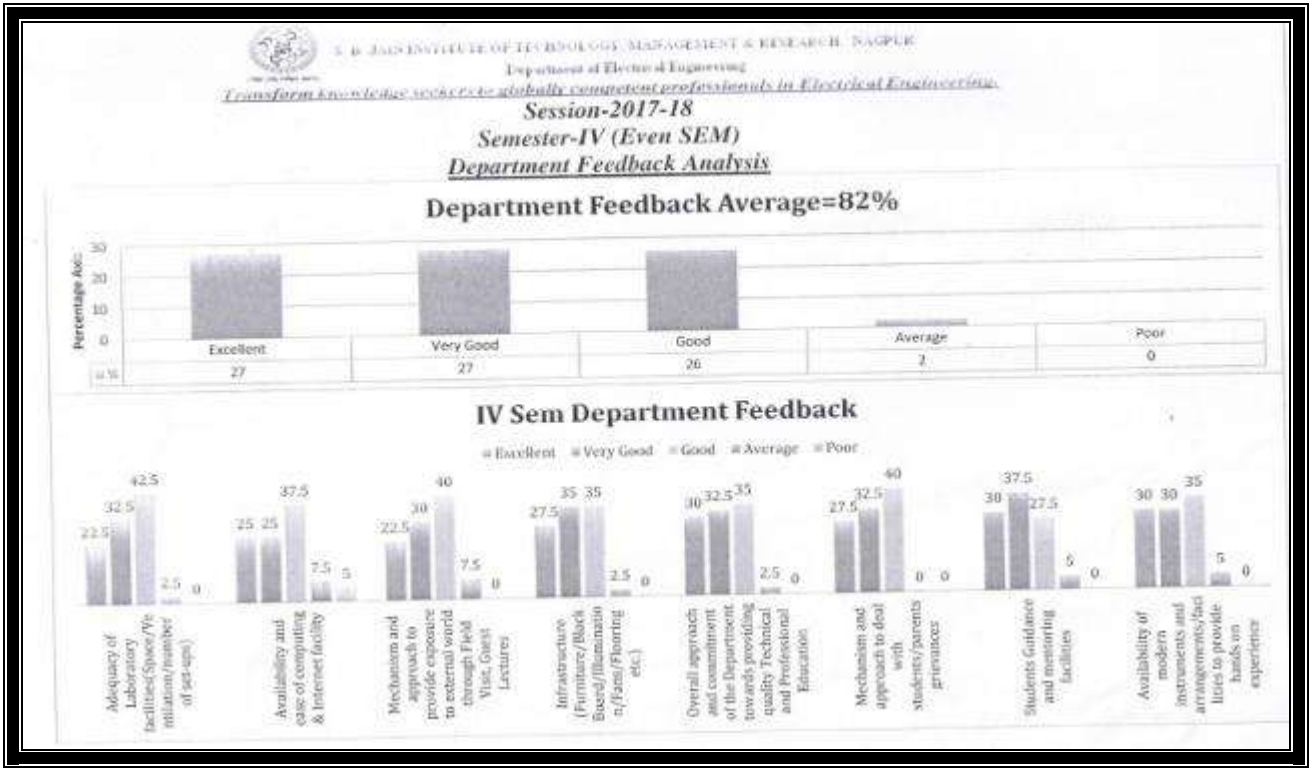
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Department of Electrical Engineering
Transform knowledge seekers to globally competent professionals in Electrical Engineering.

Session-2017-18
Semester-IV (Even SEM)
Department Feedback Analysis

Department Feedback Average=82%

	Excellent	Very Good	Good	Average	Poor
u %	27	27	26	2	0

IV Sem Department Feedback

■ Excellent ■ Very Good ■ Good ■ Average ■ Poor

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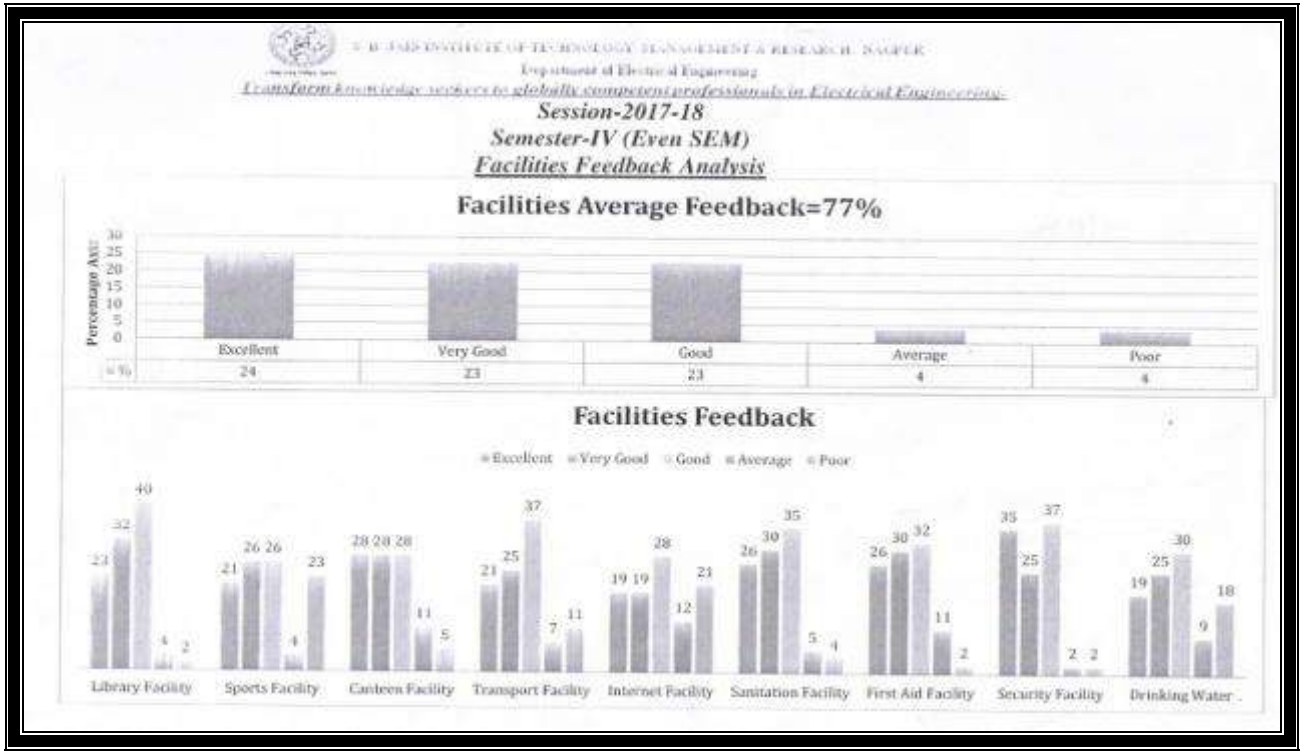
Discussion on Feedback

Name of Faculty: - D r. P. B. Thote   Academic Session: 2017-18   Date: 9/4/18

Subject: Department feedback   Year/Semester: IInd/18

Comment made by	Shortfall Identified from feedback	Corrective Action Discussed	Remarks
Faculty			
HoD			Overall feedback is satisfactory and efforts are taken on regular basis to improve the depul facilities

Signature of Faculty   Signature of HoD

(4) FACILITY FEEDBACK

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Department of Electrical Engineering
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Session-2017-18
Semester-IV (Even SEM)
Facilities Feedback Analysis

Facilities Average Feedback=77%

	Excellent	Very Good	Good	Average	Poor
%	24	23	23	4	4

Facilities Feedback

■ Excellent ■ Very Good ■ Good ■ Average ■ Poor

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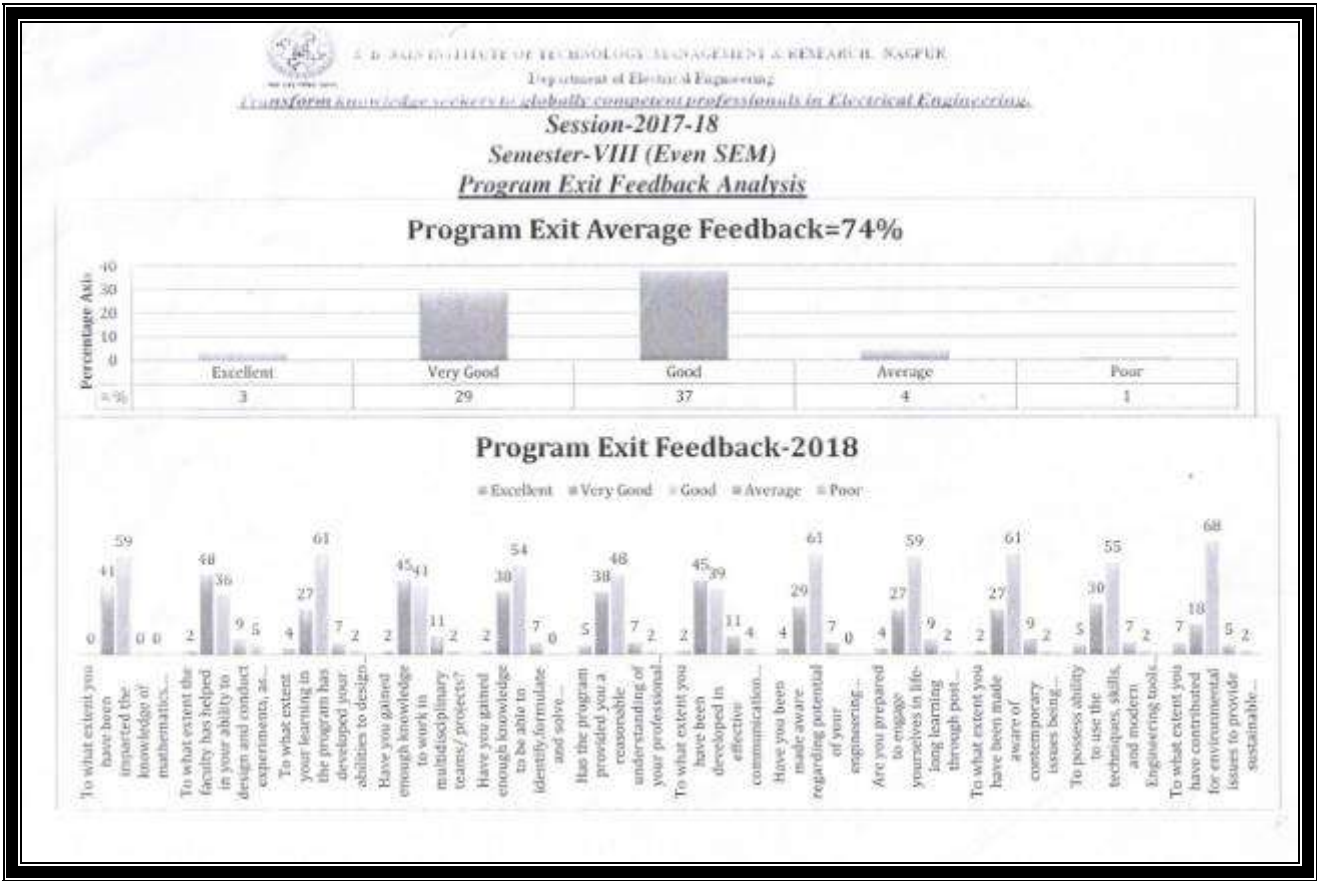
Discussion on Feedback

Name of Faculty: - Dr P.B. Thote   Academic Session: 2017-18   Date: 9/4/18

Subject: Facilities Feedback   Year/Semester: B/V

Comment made by	Shortfall Identified from feedback	Corrective Action Discussed	Remarks
Faculty			
HoD			Facility feedback is discussed with Principal and actions are taken accordingly.

Signature of Faculty   Signature of HoD

(5) PROGRAM END SURVEY

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

Department of Electrical Engineering

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Session-2017-18
Semester-VIII (Even SEM)
Program Exit Feedback Analysis

Program Exit Average Feedback=74%

≈%	Excellent	Very Good	Good	Average	Poor
	3	29	37	4	1

Program Exit Feedback-2018

■ Excellent ■ Very Good ◼ Good ■ Average ■ Poor

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

Department of Electrical Engineering

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Discussion on Feedback

Name of Faculty :- Mr. A.S. Pandey   Academic Session: 2017-18   Date: 11/4/18

Subject: Program Exit Feedback   Year/Semester: IV / VIII

Comment made by	Shortfall Identified from feedback	Corrective Action Discussed	Remarks
Faculty			
HoD			Program exit feedback is analysed in detail and actions will be initiated to improve the same

Signature of Faculty   Signature of HoD

B. PARENT FEEDBACK ANALYSIS

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.
DEPARTMENT OF ELECTRICAL ENGINEERING.

Transform knowledge seekers to globally competent professionals in Electrical Engineering

"NAAC accredidated with 'A' grade"

PARENT'S FEEDBACK

Name of Student   : Rayal Rajendra Gajbhiye

Year & Semester   2nd BE 4th sem (Electrical)

Name of Parent/Guardian : Rajendra Gajbhiye

Occupation Details   : Service

Contact Number   : 9850356725

E-Mail ID   : rajendra15mar@gmail.com

Rate:
4. Very Satisfactory 3. Satisfactory 2. Moderate Satisfactory 1. Less Satisfactory
Please put an '√' mark in the appropriate column

S.N.	Question	Rating			
		4	3	2	1
1.	Did the teachers help your ward to get familiarized with the program curriculum for the current session?		√		
2.	Does your ward feel safe & secure at Institute's premises?	√			
3.	What is your opinion regarding the following attributes of the Institute :				
3.a.	Academic Standard	√			
3.b.	Teaching Methodology	√			
3.c.	Personal Attention		√		
3.d.	Library Facility	√			
3.e.	Transportation Facility		√		
3.f.	Canteen Facility	√			
3.g.	Sports Facility		√		
4.	Does your child regularly inform you about his/her performance in the Institute?	√			
5.	Are you informed about the cases (if any) of your child's misconduct/poor attendance/ ill health by the Class In-charge?	√			

6.	Does your ward making constructive progress in building up his career?	✓				
7.	Is your ward treated impartially and with esteem by the faculties of the College?	✓				
8.	Does the college provide sufficient opportunities (Development Program, extracurricular activities etc.) to enhance your wards professional growth?	✓				
9.	Do the faculties encourage your ward for his/her social development?	✓				
10.	Do you find enhancement in your ward's communication skills?	✓				
11.	Did your grievance/complaint attended in reasonable time by the college authorities?	✓				
12.	Did your ward was provided with opportunities to get a job through campus placement?	—				
13.	Whether this Parent-Teacher meet was beneficial in understanding your ward's growth and progress in the Institute?	✓				
14.	Will you recommend the Institute to your close relatives/acquaintance?	✓				

General Observations about the Institute:

Study Curriculum is very good & attractive

Suggestions for Improvements:

—

Date: 10/03/2018

Place: NAGPUR.

Signature of Parent

S.B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.
DEPARTMENT OF ELECTRICAL ENGINEERING.

Transform knowledge seekers to globally competent professionals in Electrical Engineering

"NAAC accredioated with 'A' grade"

Session- 2017-18 (Even Sem)
Subject:-Parents Feedback Summary

S.N.	Question	%
1.	Did the teachers help your ward to get familiarized with the program curriculum for the current session?	82
2.	Does your ward feel safe & secure at Institute's premises?	99
3.a.	*Academic Standard*	91
3.b.	*Teaching Methodology*	87
3.c.	*Personal Attention*	91
3.d.	*Library Facility*	84
3.e.	*Transportation Facility*	84
3.f.	*Canteen Facility*	79
3.g.	*Sports Facility*	88
4.	Does your child regularly inform you about his/her performance in the Institute?	82
5.	Are you informed about the cases (if any) of your child's misconduct/poor attendance/ ill health by the Class In-charge?	88
6.	Does your ward making constructive progress in building up his career?	90
7.	Is your ward treated impartially and with esteem by the faculties of the College?	85
8.	Does the college provide sufficient opportunities (Development Programmes, extracurricular activities etc.) to enhance your wards professional growth?	85
9.	Do the faculties encourage your ward for his/her social development?	90
10.	Do you find enhancement in your ward's communication skills?	87
11.	Did your grievance/complaint attended in reasonable time by the college authorities?	82
12.	Did your ward was provided with opportunities to get a job through campus placement?	85
13.	Whether this Parent-Teacher meet was beneficial in understanding your ward's growth and progress in the Institute?	84
14.	Will you recommend the Institute to your close relatives/acquaintance?	87
	Overall Average Feedback	87

Mr.A.S.Pandey
Feedback In-charge

Dr.P.B.Thote
HoD (EE)

C. <u>ALUMNI FEEDBACK ANALYSIS</u>

S.B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR
DEPARTMENT OF ELECTRICAL ENGINEERING

ALUMNI FEEDBACK FORM

We are glad that you have spent valuable years pursuing courses of your choice at S.B.Jain Institute of Technology, Research & Management. We shall be thankful if you can spare some of your valuable time to fill up this feedback form and give us valuable suggestions for further improvement of the Institute. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of our Institute.

1. Please Tick following to the best of your understanding

Attributes	Excellent	Very Good	Good	Average	Poor
Environment		✓			
Infrastructure & Lab facilities			✓		
Faculty			✓		
Project Guidance			✓		
Quality of support material			✓		
Training & Placement				✓	
Library			✓		
Canteen Facilities			✓		
Overall Rating of the Institute			✓		
Alumni Association/Network of Old Friends			✓		
What is the caliber of students passing out of this Institute?				✓	
How do you rate the learning experience in terms of their relevance to the real life application?				✓	

2. To what extent the following Vision and Mission is fulfilled by the Department/ Institute? For each of the Vision and Mission given below, please rate in the range of (1-5) to the best of your understanding, Please include comments if any. (Note: - 1- Poor, 2-Average, 3- Good, 4-Very Good, 5-Excellent)

a. Vision and Mission of Institute

	Vision and Mission	Grade Out of 5	Suggestions if any
Vision	To cater to the needs of the society and the industry by creating competent professionals with a sound academic foundation and strong values.	3	
Mission	• To impart quality technical education and encourage research • To inculcate personality development skills among the students which will help them to succeed & lead. • To create competent professionals with work ethics & morals. • To cater to the human resource needs of the industry by understanding industrial requirements. • To prepare competent professionals with the spirit of entrepreneurship.	3	

b. Vision and Mission of Department

	Vision and Mission	Grade Out of 5	Suggestions if any
Vision	To produce competent technical professionals through a rigorous curriculum of theory and application that develops the ability to formulate, analyze & solve electrical engineering problems.	4	
Mission	To provide technical platform & encourage its community to generate innovative ideas for the betterment of industry & society by understanding our ethical & social responsibilities towards our profession	4	

3. To what extent the following Programme Educational Objective (PEO) is fulfilled by the Department? For each of the Programme Educational Objective (PEO) given below, please rate in the range of (1-5) to the best of your understanding, Please include comments if any

	PEO	Grade Out of 5	Suggestions if any
PEO I	To achieve the understanding of the basics and emerging techniques of a broad range of electrical engineering concepts. To develop the ability to formulate, analyze & solve electrical engineering problems through the applications of fundamental knowledge of math's, science & engineering.	3	
PEO II	To Learn and apply modern skills techniques & engineering tools so as to create solutions for electrical systems.	4	
PEO III	To be able to adapt to the evolving technical challenges by effectively communicating ideas in oral, written and to promote collaboration with other members of engineering team for the betterment.	3	

4. To what extent the following Programme Specific Outcome (PSO) is fulfilled by the Department? each of the Programme Specific Outcome (PSO) given below, please rate in the range of (1-5) to the best your understanding, Please include comments if any

	PSO	Grade Out of 5	Suggestions if any
PSO I	To develop ability to demonstrate knowledge and hands-on competence in the various areas like analysis, design, testing, installation, operation and maintenance of electrical machines, transformers & other power system components.	4	
PSO II	To develop ability to analyze, design and testing of power electronics circuits & its applications related to power systems.	4	
PSO III	To learn and develop software for designing, simulating and analyzing of electrical systems.	3	

FEEDBACK ABOUT COLLEGE (Point No. 1 to 3)

1. Do you feel proud to be associated with SBJITMR as Alumni? ...... Yes
2. How do you rate development activities organized by the Department/College/Institute for your overall development? (Note: - 1- Poor, 2-Average, 3- Good, 4-Very Good, 5-Excellent) .... v.good
3. Are you willing to contribute to the development of the college? ...... Yes

FEEDBACK ABOUT DEPARTMENT & FACULTY (Point No. 6 to 9)

6. Have you obtained sufficient know-how (both in theory and practice) at SBJITMR? ...... Yes
7. Is the education imparted at SBJITMR useful and relevant in your present job? ......
8. Whether the HOD & Teachers are cooperative? ...... Yes
9. Rate the following academic initiatives taken by the department to improve know-how of the students. (Note: - 1- Poor, 2-Average, 3- Good, 4-Very Good, 5-Excellent)
   - Industry Visits ...... Excellent
   - Seminars &Workshop ...... very good
   - Guest Lectures ...... very good
   - Special Training Classes for bridging Industry/Academic gap ...... v.good

FEEDBACK ABOUT TRAINING & PLACEMENT CELL (Point No. 10 to 14)

10. Has the Training & Placement (T & P) Cell provided ample On campus/Off campus placement opportunities? ...... Not relevant to our branch
11. Did you ever avail Career counseling and guidance for higher studies from T&P Cell? ......
12. If you are invited to deliver A Guest Lecture/A Special Talk/A Motivational Session for your juniors, will you be interested? ...... Yes
13. Would you like to join the College Alumni Association? ...... Yes
14. Do you receive communications from the department/ institute through Mails/ Calls/SMS etc? ...... Yes

1. Please provide any additional comments or suggestions that will improve the branch functioning:

   Not much.

2. Please provide any additional comments or suggestions that will improve institute functioning:

   All are good but placement should be more relevant to core branch.

3. Please provide any additional comments or suggestions for curriculum enhancement:

   Not much.

Nikita R. Warambhe

Warambhe

Alumni Name & Signature

C. **EMPLOYER FEEDBACK ANALYSIS**

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Session 2017-18

Employer Feedback

Name of Organization   : Softsystem pvt clont Nagpur

Name of Officer & Designation : Mr Amit likhare

1. Please rate the employee from 1(Min.) to 5(Max.):

Name of Employee	Designation	Performance of employee	Technical Skills	Communication Skills	Professional	Ethical	Ability to analyze & solve problems	Ability to design innovative products for betterment of real life
Nitin Chandekar	Java Developer	4	5	3	4	5	4	4
Neha Gyedam	Software Tester	5	5	4	5	4	4	5

2. What are your advice for further improvement of our students:

try to conduct workshop on Android Development and focust on project Development process.

3. Would you like to consider our students for future employment?   Yes / No

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4. Vision and Mission of College

	Vision and Mission	Grade Out of 5	Suggestions if any
Vision	Emerge as a leading Institute for developing competent and creative Professionals.	5	
Mission	• Providing Quality Infrastructure and experienced faculty for academic excellence. • Inculcating skills, knowledge and opportunities for competency and creativity. • Aligning with Industries for knowledge sharing, research and development.	5	

5. Vision and Mission of Department

	Vision and Mission	Grade Out of 5	Suggestions if any
Vision	To become a center for quality education in the field of computer science & engineering and to create competent professionals.	5	
Mission	• To provide academic ambience and latest software tools to prepare competent Software Engineers with strong theoretical and practical knowledge.	5	
	• To foster professionalism and strong work ethics in students for the betterment of Society.	5	
	• To provide adequate infrastructure as well as experienced & skilled faculty members.		
	• To encourage the spirit of entrepreneurship and adaptability in our students in view of the ever-changing scenario of the Software Industry.	5	

6. Programme Educational Objectives (PEO):

Programme Educational Objectives		Grade Out of 5	Suggestions if any
PEO I	Have analytical, design and implementation skills, to innovate, design and develop software products and systems.	5	
PEO II	Have strong work ethics and professionalism, reflected through communication skills, leadership, teamwork and sense of responsibility towards the society.	5	
PEO III	Be successful professionals through lifelong learning with allied objectives of higher education or research.	5	

Date: 10 /0/ 2017

Signature

Seal of Company

Best Practice (1)

❖ **Title:**

Active Students Forum and Student Chapters for professional development.

❖ **Objectives of the Practice:**

   ✓ To provide a platform for the holistic development of the students.

   ✓ To inculcate organizing and entrepreneurship skills amongst students.

   ✓ To imbibe the leadership and management qualities in the students.

   ✓ To develop professionalism in students.

   ✓ To instill creativity, innovation, team spirit and time management amongst the students.

   ✓ To provide a medium for exchange of thoughts and information.

   ✓ To encourage freedom of expression and enhance communication skills.

   ✓ To facilitate interaction among all the students of the department.

❖ **Need Addressed and the context:**

In current era, apart from academic capabilities, the overall student's development is the need of an hour. Various skill sets are required as a working professional by the employers which cannot be met through regular teaching learning process.

The various skills required for overall development as an individual such as organizing, entrepreneurship, leadership, management, professionalism, creativity, innovation, team spirit, time management, communication skills are met through these Students Forum and Student Chapters managed and runned by the students for the students.

The Practice:

Students forum are established in all departments which organizes the various co-curricular & extra-curricular activities for overall student development. Every department has its forums and various Students Chapters installed in the Institute viz. IEEE, IETE, SAE, ISHARE, CSI Chapters which also organize the regular activities.

Evidence of Success:

The evidence of success can be well projected from the successful conduction of various activities by these Students Forum and Students Chapters, the details of which are mentioned below:

DEPARTMENT: INFORMATION TECHNOLOGY

Forum Name : ADROIT, Department of Information Technology

Technical Activities:
1) CODIFIER 1.0 (ADROIT student forum)
2) CRACK IN (ADROIT student forum)
3) TECH-HUNT (ADROIT student forum)
4) CIPHER CODING (ADROIT student forum)
5) CODE CHAIN (ADROIT student forum in association with IEEE)
6) PROJECT EXPO (ADROIT student forum in association with IEEE)

Non Technical Activities:
1) Poster Making Competition (ADROIT student forum)2)Quick Chess(ADROIT student forum)
3) MAD(ADROIT student forum)
4) Minute to win it(ADROIT student forum)
5) Human Chess(ADROIT student forum)

 Sports:
1) Lagori(ADROIT student forum)
2) Futsal(ADROIT student forum)

3)Tug of War(ADROIT student forum)

4)Badminton(ADROIT student forum)

5)Ultra Cricket League(ADROIT student forum)

Technical Body Name: IEEE CS Chapter

Technical Activities:

1) Python Programming (IEEE CS Chapter)

2) Paper Presentation (IEEE CS Chapter)

3)CODE CHAIN (ADROIT student forum in association with IEEE CS Chapter)

4)PROJECT EXPO (ADROIT student forum in association with IEEE CS Chapter)

Non Technical Activities/Humanitarian Activities:

1)Poster Making Competition (IEEE CS Chapter)

2)Blood Donation(IEEE CS Chapter)

3)Tree plantation(IEEE CS Chapter)

4)Women's day Celebration (IEEE CS Chapter in Association with women's grievance & redressal Cell)

5) Resume Writing(IEEE CS Chapter)

DEPARTMENT: ELECTRICAL ENGINEERING

Electrical engineering department has total 35 students registered under IEEE membership. Students in association with IEEE perform various activities under the banner of IEEE.The department has also installed IEEE's Power & Energy society (PES) students Chapter and students are actively involved in it.

A student's Forum ELAN (Electrical League of Ampere's Nexus) is established in the department which consists of a structured administrative body (of 55 members), aims in bringing out leadership & management qualities in the student. This forum is professionally managed by the student community and various activities are carried throughout the session.

DEPARTMENT: COMPUTER SCIENCE & ENGINEERING

Department conducts the number of activities for overall grooming of students of the department under the departmental forum **SUIGENERIS.**

Under **IEEE Student Branch**, department conduct technical program like coding competitions, technical guest lecturer and workshop to improve technical skill of students and meet the industry requirements. Our **IEEE Student Branch** has organized two mega events as **IEEE Nagpur Subsection Congress and IEEE TECHMun.**

DEPARTMENT:MECHANICAL ENGINEERING

ISHRAE-Seminars/Workshop , Quiz Competition , Site Visit , Cultural activities
SAE club- Seminars/Workshop , kart design , participation in various SAE kart/student formulae-1 competition like gokart , supra , ESVC etc

Student Forum AIMES-Cultural activities in TECHNOSTAV , Social event like visit to orphanage , blood donation, Kargil Day, Youth day , sport competition etc

DEPARTMENT: MASTER OF BUSINESS ADMINISTRATION

Democratic Elections on the formation of INVICTUS Forum was conducted and committee headed by President along with top position of Secretary and Treasurer accommodated with 12 other members was formed for the first time in the department, where students got actively involved learning about management skills, coordination skills, team formation among many and the benefits were evident.

DEPARTMENT: ELECTRONICS & TELECOMMUNICATION ENGINEERING

Forum IETE & FEETA organises the various activities:

- Technical skill enhancement
- Personality Development
- Workshops on Communication
- Resume Writing
- Guidance on Higher Studies
- Project Competition.

Best Practice (2)

❖ **Title:**

Self Learning Activity/Subject Seminar

❖ **Objectives of the Practice:**

i. To inculcate subject interest.

ii. To enhance student's presentation skills.

❖ **Need Addressed and the context:**

Preparation of a technical topic and its delivery through seminar, individually, in the form of power point presentation to all the students of class helps him/her develop self-learning attitude, facilitates in depth learning of the subject, enhances the confidence level, improves the presentation and communication skills, learn time management, eliminates the stage fear and inculcates the sense of responsibility. This all is achieved through this self-learning activity presented through seminar.

❖ **The Practice:**

Departments conduct subject seminars of students in order to inculcate self learning and presentation skills in students. Subject seminars are conducted in accordance with following rules :

- Each Class of around 60 Students is divided in 4 or 5 equal groups

- Each Subject In-Charge of the class is assigned a group of students for subject seminar by the Class In-Charge

- Subject In-Charge assigns a topic from the respective subject to each student of the assigned group.

- All the students in a group, study by themselves, learn and understand the allotted topic in depth.

- Subject In-Charge conducts Seminar in the subject slots and summarizes the topic

to all the students in the class for better understanding.

- Student seminar is assessed on several parameters and is evaluated.

- Bonus Marks are allocated for this activity and these marks are considered in internal marks finalization.

❖ **Evidence of Success:**

- It promoted self learning attitude.

- Improved presentation skills.

- Fostered confidence in students.

- Students gained summarizing and simplifying abilities.

- Inculcated a sense of responsibility.