

**JIS College of Engineering**  
**The Annual Quality Assurance Report (AQAR) of the IQAC**  
**1<sup>st</sup> July 2016 to 30<sup>th</sup> June 2017**

**Part – A**

**1. Details of the Institution**

|                                      |                                  |
|--------------------------------------|----------------------------------|
| 1.1 Name of the Institution          | JIS College of Engineering       |
| 1.2 Address Line1                    | Block A, Phase III,              |
| Address Line2                        | Kalyani, Nadia                   |
| City/Town                            | Kalyani,                         |
| State                                | West Bengal                      |
| Pin Code                             | 741235                           |
| Institution e-mail address           | principal_jisce@jisgroup.org     |
| Contact Nos.                         | 033 25822865 Extn: 27            |
| Name of the Head of the Institution: | Dr. Malay R Dave                 |
| Tel. No. with STD Code:              | 033 25822865 Extn:27             |
| Mobile:                              | 9073370505                       |
| Name of the IQAC Co-ordinator:       | Dr. Somsubhra Gupta              |
| Mobile:                              | 9836545777                       |
| IQAC e-mail address:                 | dean_academic.jisce@jisgroup.org |

**1.3 NAAC Track ID (For ex. MHC0GN18879)**

**1.4 NAAC Executive Committee No . & Date:** :EC No. EC(SC)/05/RAR/023 dated  
**03<sup>rd</sup> March 2015**

*(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)*

**1.5 Website address:**

Web-link of the AQAR: [www.jiscollege.ac.in/AQAR2016-17.pdf](http://www.jiscollege.ac.in/AQAR2016-17.pdf)

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

## 1.6 Accreditation Details

| Sl. No. | Cycle                 | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-----------------------|-------|------|-----------------------|-----------------|
| 1       | 1 <sup>st</sup> Cycle | B     | 2.72 | 2009                  | 05 years        |
| 2       | 2 <sup>nd</sup> Cycle | A     | 3.02 | 2015                  | 05 years        |
| 3       | 3 <sup>rd</sup> Cycle |       |      |                       |                 |
| 4       | 4 <sup>th</sup> Cycle |       |      |                       |                 |

1.7 Date of Establishment of IQAC: DD/MM/YYYY:26/06/2010

**1.8 AQAR for the year (for example 2010-11) : 2016 -17**

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

i. AQAR2015-16 09-04-2017(dd/mm/yyyy)

ii. AQAR2014-15 28-12-2015(dd/mm/yyyy)

**\*\*Since last NAAC visit in 2015. Uploaded at the institutional website.**

## 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 ☐ UGC2(f) ☒ UGC12B ☒

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)

Technology

1.12 Name of the Affiliating University (*for the Colleges*) : Maulana Abul Kalam Azad University of Technology (MAKAUT) (erstwhile West Bengal University of Technology)

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 :06

2.2 No. of Administrative/Technical staff :02

2.3 No. of students :01

2.4 No. of Management representatives :02

2.5 No. of Alumni :01

2.6 No. of any other stakeholder and community representatives :0

2.7 No. of Employers/Industrialists :02

2.8 No. of other External Experts :0

2.9 Total No. of members :14

2.10 No. of IQAC meetings held 3 /annum(Quarterly)

2.11 No. of meetings with various stake holders: No. 02 Faculty: 03

Non-Teaching Staff Students:02 Alumni:02 Others: (Management) 01

2.12 Has IQAC received any funding from UGC during the year? Yes No✓

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos.  International  National  State  Institution Level

(ii) Theme -----a. Best Practices for Quality Enhancement in the Academic Institution  
b. Students' involvement in quality improvement

2.14 Significant Activities and contributions made by IQAC

IQAC evolve mechanisms and procedures to improve the academic and administrative performance of the institution by:

- Preparing Quality Assurance Report
- Preparing Quality Benchmark
- Following up various programs with impact and outcome
- Verification of Regulation Book under autonomous structure for curriculum reforms
- Ensuring Quality in syllabus reforms and examination process by following up
- Disseminating information on various quality parameters of outcome based education.
- Introducing innovative methods of teaching, learning and evaluation
- Following up Value addition Centres and programs
- Ensure standardization by regular global events (Viz. International Seminar in 2017 and Tech Symposium in 2018)
- Conducted National Seminars by ECE, ME, CSE and BME departments

Enhance the quality of the existing programmes provided by the college such as:

- Introduced FILP learning
- Introduced Speaker's Corner, a platform for idea sharing
- Open up Value Addition Centres
- Diagnostic test & remedial classes for the weaker students
- Introduced mentorship programme
- Introduced online evaluation for class tests
- Provided training on Communication, Aptitude and Technical skill development to the students
- The process automation through ERP packages in place, staff attendance, leave application, procurement indentation are online
- Promoting Sports & Cultural activities through SLC (Student Life Centre) activities

For Institutional management capacity enhancement

- Governance development Plan in place
- Governance self review is done periodically
- Departmental heads are provided management training from leading management institutions

## 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 \*

### Year 2016-17: Perspective Plan

|                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤ Digital Pedagogy–To organize an International Conference and Establishment of Centre of Excellence with foreign collaboration.                    |
| ➤ Infrastructure–To revamp Internet Service provision with increased band width and capacity                                                        |
| ➤ Infrastructure–To complete of construction Flipped Classrooms (R-412toR-417) with cluster seating orientation                                     |
| ➤ Infrastructure-To convert the classrooms (released by IIIT) to smart rooms (Classroom 1-to Classroom 3)                                           |
| ➤ Infrastructure - To setup 100-PC Media Centre (Computer Centre)                                                                                   |
| ➤ Teaching Learning–To review enrolment against the intake of the programs and withdraw weak programs                                               |
| ➤ Teaching Learning–To adopt “Flipped Learning” and prepare Flipped Content                                                                         |
| ➤ Teaching Learning–To make centralized verification of the Flipped Content                                                                         |
| ➤ Teaching Learning–To review curriculum and syllabus and adopt after necessary modification                                                        |
| ➤ Teaching learning – To encourage pedagogical training and host Workshop for Flipped Learning                                                      |
| ➤ Teaching Learning – To host workshop for better awareness about Accreditation                                                                     |
| ➤ Teaching Learning – To improve Communication skill of the students and approach to leaders in communication training (viz. British Council etc..) |
| ➤ Teaching Learning - To continue ICT based educational initiative and open up NPTEL centre                                                         |
| ➤ Research – To encourage Innovation and Start-up and open up Industry driven Innovation Centre                                                     |
| ➤ Research-To review status of IPR and patent and continue encouraging IPR application after proper verification                                    |
| ➤ Research – To start Ph.D. program and review conducted Coursework on “Research methodology”                                                       |
| ➤ Research – To encourage more quality publication (High impact and SCI indexed)                                                                    |
| ➤ Industry – To initiate Industry sponsored R&D                                                                                                     |
| ➤ Industry – To open up Consultancy and internal revenue generation through consultancy                                                             |
| ➤ Industry – To conduct industry visit and examine impact and outcome of the Study tour abroad                                                      |
| ➤ Industry – To review the training programs and make them integrated without affecting the teaching hour.                                          |
| ➤ Governance – To let students get a platform to improve their speaking capabilities in “Speakers” Corner”                                          |
| ➤ Governance–To make academic reforms through Digital learning and continuous Performance evaluations                                               |
| ➤ Governance-To restructure the Roles and Responsibilities of the Employee and correspond the min appraisal process.                                |
| ➤ Governance- To make 75% attendance of the students mandatory and put it as a prerequisite to appear at the examination                            |

## Year 2015-16:

### Outcome of previous plan (ATR 2015-16)

|                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤ Infrastructure - To complete construction of the Education block - Building Civil Engineering                              | The Annex Building extension for Civil Engineering is almost complete. The department is expected to run in full swing before June 2017 with all facilities.                                                                                                                                                                                                                                                                                                     |
| ➤ Infrastructure - To modernize the laboratories of Computing and Electronics dept.                                          | Overall modernization of the Systems is ongoing. Total around 200-PCs and laptops are added in various setups from Innovation Centre to media Centre.                                                                                                                                                                                                                                                                                                            |
| ➤ Infrastructure - To reinforce Power Backup System (Generator)                                                              | The Power Backup Systems is made stable by optimizing availability and requirements with generator capacity enhancement                                                                                                                                                                                                                                                                                                                                          |
| ➤ Teaching Learning – Review Syllabus through BOS to propagate Outcome based education                                       | In each BoS, resolutions are taken to incorporate only the courses that satisfy specific program outcomes and thereby Graduate Attribute.                                                                                                                                                                                                                                                                                                                        |
| ➤ Teaching learning - Encourage Learning Centric Environment through ICT                                                     | Number of Setups established to cater Learner Centric Environment viz. NPTEL Lab, QEEE Lab, CLIC, BCL centre, Remote Centre and so on.                                                                                                                                                                                                                                                                                                                           |
| ➤ Teaching learning – Improve Quality of education and escalate function of NPTEL, QEEE live classes                         | The Quality Circle participation is done during TEQIP and NPTEL                                                                                                                                                                                                                                                                                                                                                                                                  |
| ➤ Teaching learning – Apply for the renewal of Accredited program of the eligible department                                 | The first Cycle Tier I re-accreditation to the NBA is done. The NAAC reaccredited the Institution in Grade – „A“. The Autonomy renewal is under process.                                                                                                                                                                                                                                                                                                         |
| ➤ Teaching Learning – Host more pedagogical program to improve teaching skill –NITTTR and other agencies                     | A total 6 –batches covering full Faculty strength trained through NITTTR pedagogical training program. Faculty members are also sent to IIIT KGP for pedagogical training with SPFU initiative. Moreover, Industry pedagogy through WIPRO MxLA is also conducted.                                                                                                                                                                                                |
| ➤ Teaching Learning – Encourage enhancement of domain knowledge of the Faculty members through Faculty and Staff Development | Around 36 workshops / seminars are conducted for FSD during entire TEQIP Phase to encourage domain knowledge. They also participated domain knowledge training elsewhere.                                                                                                                                                                                                                                                                                        |
| ➤ Teaching Learning – Review pattern of autonomous examination systems and go for online test with proper modalities         | The Autonomous Examination Systems pattern reviewed and advice has come from various Board of Studies to revise Part –A/ Part-B formation. Also, the possibility of conducting Digital paperless exam under discussion.                                                                                                                                                                                                                                          |
| ➤ Research – Encourage applying for the research and funded projects                                                         | To escalate the present initiative of R&D Projects, number of projects are submitted from AICTE-MODROB, RPS to UGC Minor etc..                                                                                                                                                                                                                                                                                                                                   |
| ➤ Research – Host International Events and plan to continue hosting International Conference                                 | Five International events are hosted in last four years namely :<br><ul style="list-style-type: none"> <li>- International Conference on Industry Interactive Innovation (I3SET)-2016</li> <li>- International Conference on Advancement of Medical Electronics(ICAME)-2015</li> <li>- International Conference on Non-Conventional Energy (ICONCE)-2014</li> <li>- International Conference on Computation and Communication Advancement (IC3A)-2013</li> </ul> |
| ➤ Research - Encourage hosting workshop/seminar beyond teaching schedule                                                     | The Saturday is identified to host several events. Events hosted on week days are integrated with regular curriculum.                                                                                                                                                                                                                                                                                                                                            |
| ➤ Research – Apply to open Ph.D. program to University and conduct Research methodology program                              | The Research Methodology program for the first batch of MAKAUT scholars have been successfully conducted.                                                                                                                                                                                                                                                                                                                                                        |
| ➤ Research – encourage filing patent and IPR                                                                                 | A encouraging figures of 16 patent has been filed. Number of them has been published.                                                                                                                                                                                                                                                                                                                                                                            |
| ➤ Research - Encourage travel abroad however set up a committee to examine the merit of the application                      | International travel has been made by 6 faculty members through JIS Group / TEQIP funding.<br>(Dr. P.K Bardhan, Dr. S.S Gupta, Dr. U. Banerjee, Dr. I. Sarkar, Dr. S. Biswas, Mrs. R. Roy, Mr. S. Sahana)                                                                                                                                                                                                                                                        |

|                                                                                                                                                            |                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤ Industry – make mandatory inclusion of Industry person in all statutory committee and ensure their presence in decision making (viz. BOG, AC, BOS etc..) | Industry stalwarts form Accenture, IBM,..to local industry as Industry experts in various statutory Committees including BoS, AC, DC etc..)                                                |
| ➤ Industry – Take up Industry projects and host Technical Symposium to showcase the project works                                                          | The JIS Tech Symposium has been conducted in back to back two years in which different kind of projects are exhibited in pavilions. There is scope to show case Industry projects as well. |
| ➤ Industry - Escalate Training Programs and make Industrial visit and study tour (extend to abroad)                                                        | The training programs to complete teaching –learning are a regular phenomena through internal resource and professional bodies.                                                            |
| ➤ Industry–Take feedback of the Industry in formulated curriculum and syllabus                                                                             | Industry experts are part of each Board of Studies of the departments.                                                                                                                     |
| ➤ Industry–Review quality of the UG/PG projects and encourage taking Industrial problems as projects                                                       | The monthly review of UG / PG projects is there across the departments. Students are encouraged to determine projects based on industrial scenario                                         |
| ➤ Industry - Make Industrial visit and study tour (extend to abroad)                                                                                       | Industrial training is mandatory in UG program and Industrial visit to local industry (BSNL, S&H Manu.), IT corporate (Infosys) extended to abroad (AIT, Bangkok).                         |
| ➤ Industry – Take feedback of the Industry in formulated curriculum and syllabus                                                                           | The stakeholder’s feedback is taken during restructuring curriculum and syllabus and they have opined in respective BoS about evaluation / assessment procedure.                           |
| ➤ Industry – Review quality of the UG / PG projects and encourage taking Industrial problems as projects                                                   | The approved UG / PG projects are reviewed by the departments for indentifying their potential to get IPR and commercialization of the products.                                           |
| ➤ Governance - Employ Outcome Based Education and form a Group to monitor                                                                                  | A Workgroup on Outcome Based Education is formed. This group is assigned the responsibility of verification of curriculum verification books.                                              |
| ➤ Governance – Reconstitute Planning Cell and IQAC and formulate action budget plan                                                                        | The Planning Cell and IQAC are restructured with mandatory representation from Industry                                                                                                    |
| ➤ Governance – Optimize and strengthen remedial program for weaker students                                                                                | The equity action plan is a continuous process and several remedial program has been conducted viz. induction program, diagnostic test and remedial teaching.                              |



# ACADEMIC CALENDAR

| IIS COLLEGE OF ENGINEERING<br>(An Autonomous Institute) |      |           |                                              | ACADEMIC CALENDAR FOR ODD SEMESTER 2016 [ July to December] |      |           |                                                    |
|---------------------------------------------------------|------|-----------|----------------------------------------------|-------------------------------------------------------------|------|-----------|----------------------------------------------------|
| Month                                                   | Date | Day       | Particulars                                  | Month                                                       | Date | Day       | Particulars                                        |
| July                                                    | 1    | Monday    | End Semester Break                           | August                                                      | 1    | Monday    | 18 Teaching Day                                    |
| July                                                    | 2    | Tuesday   | Weekly off                                   | August                                                      | 2    | Tuesday   | 19 Teaching Day                                    |
| July                                                    | 3    | Wednesday | Weekly off                                   | August                                                      | 3    | Wednesday | 20 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 4    | Thursday  | Weekly off                                   | August                                                      | 4    | Thursday  | 21 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 5    | Friday    | End Semester Break                           | August                                                      | 5    | Friday    | 22 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 6    | Saturday  | End Semester Break                           | August                                                      | 6    | Saturday  | 23 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 7    | Sunday    | End Semester Break                           | August                                                      | 7    | Sunday    | 24 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 8    | Monday    | 1 Teaching Day (1st Unit Test)               | August                                                      | 8    | Monday    | 25 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 9    | Tuesday   | 2 Teaching Day (Registration ongoing batch)  | August                                                      | 9    | Tuesday   | 26 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 10   | Wednesday | 3 Teaching Day (Registration ongoing batch)  | August                                                      | 10   | Wednesday | 27 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 11   | Thursday  | 4 Teaching Day (Registration ongoing batch)  | August                                                      | 11   | Thursday  | 28 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 12   | Friday    | 5 Teaching Day (Registration ongoing batch)  | August                                                      | 12   | Friday    | 29 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 13   | Saturday  | 6 Teaching Day (Registration ongoing batch)  | August                                                      | 13   | Saturday  | 30 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 14   | Sunday    | 7 Teaching Day (Registration ongoing batch)  | August                                                      | 14   | Sunday    | 31 Teaching Day (Orientation Program of New Batch) |
| July                                                    | 15   | Monday    | 8 Teaching Day (Registration ongoing batch)  | August                                                      | 15   | Monday    | 1 Teaching Day (1st Unit Test)                     |
| July                                                    | 16   | Tuesday   | 9 Teaching Day (Registration ongoing batch)  | August                                                      | 16   | Tuesday   | 2 Teaching Day (1st Unit Test)                     |
| July                                                    | 17   | Wednesday | 10 Teaching Day (Registration ongoing batch) | August                                                      | 17   | Wednesday | 3 Teaching Day (1st Unit Test)                     |
| July                                                    | 18   | Thursday  | 11 Teaching Day (Registration ongoing batch) | August                                                      | 18   | Thursday  | 4 Teaching Day (1st Unit Test)                     |
| July                                                    | 19   | Friday    | 12 Teaching Day (Registration ongoing batch) | August                                                      | 19   | Friday    | 5 Teaching Day (1st Unit Test)                     |
| July                                                    | 20   | Saturday  | 13 Teaching Day (Registration ongoing batch) | August                                                      | 20   | Saturday  | 6 Teaching Day (1st Unit Test)                     |
| July                                                    | 21   | Sunday    | 14 Teaching Day (Registration ongoing batch) | August                                                      | 21   | Sunday    | 7 Teaching Day (1st Unit Test)                     |
| July                                                    | 22   | Monday    | 15 Teaching Day (Registration ongoing batch) | August                                                      | 22   | Monday    | 8 Teaching Day (1st Unit Test)                     |
| July                                                    | 23   | Tuesday   | 16 Teaching Day (Registration ongoing batch) | August                                                      | 23   | Tuesday   | 9 Teaching Day (1st Unit Test)                     |
| July                                                    | 24   | Wednesday | 17 Teaching Day (Registration ongoing batch) | August                                                      | 24   | Wednesday | 10 Teaching Day (1st Unit Test)                    |
| July                                                    | 25   | Thursday  | 18 Teaching Day (Registration ongoing batch) | August                                                      | 25   | Thursday  | 11 Teaching Day (1st Unit Test)                    |
| July                                                    | 26   | Friday    | 19 Teaching Day (Registration ongoing batch) | August                                                      | 26   | Friday    | 12 Teaching Day (1st Unit Test)                    |
| July                                                    | 27   | Saturday  | 20 Teaching Day (Registration ongoing batch) | August                                                      | 27   | Saturday  | 13 Teaching Day (1st Unit Test)                    |
| July                                                    | 28   | Sunday    | 21 Teaching Day (Registration ongoing batch) | August                                                      | 28   | Sunday    | 14 Teaching Day (1st Unit Test)                    |
| July                                                    | 29   | Monday    | 22 Teaching Day (Registration ongoing batch) | August                                                      | 29   | Monday    | 15 Teaching Day (1st Unit Test)                    |
| July                                                    | 30   | Tuesday   | 23 Teaching Day (Registration ongoing batch) | August                                                      | 30   | Tuesday   | 16 Teaching Day (1st Unit Test)                    |
| July                                                    | 31   | Wednesday | 24 Teaching Day (Registration ongoing batch) | August                                                      | 31   | Wednesday | 17 Teaching Day (1st Unit Test)                    |
| August                                                  | 1    | Thursday  | 25 Teaching Day (Registration ongoing batch) | September                                                   | 1    | Thursday  | 18 Teaching Day (1st Unit Test)                    |
| August                                                  | 2    | Friday    | 26 Teaching Day (Registration ongoing batch) | September                                                   | 2    | Friday    | 19 Teaching Day (1st Unit Test)                    |
| August                                                  | 3    | Saturday  | 27 Teaching Day (Registration ongoing batch) | September                                                   | 3    | Saturday  | 20 Teaching Day (1st Unit Test)                    |
| August                                                  | 4    | Sunday    | 28 Teaching Day (Registration ongoing batch) | September                                                   | 4    | Sunday    | 21 Teaching Day (1st Unit Test)                    |
| August                                                  | 5    | Monday    | 29 Teaching Day (Registration ongoing batch) | September                                                   | 5    | Monday    | 22 Teaching Day (1st Unit Test)                    |
| August                                                  | 6    | Tuesday   | 30 Teaching Day (Registration ongoing batch) | September                                                   | 6    | Tuesday   | 23 Teaching Day (1st Unit Test)                    |
| August                                                  | 7    | Wednesday | 31 Teaching Day (Registration ongoing batch) | September                                                   | 7    | Wednesday | 24 Teaching Day (1st Unit Test)                    |
| August                                                  | 8    | Thursday  | 1 Teaching Day (1st Unit Test)               | September                                                   | 8    | Thursday  | 25 Teaching Day (1st Unit Test)                    |
| August                                                  | 9    | Friday    | 2 Teaching Day (1st Unit Test)               | September                                                   | 9    | Friday    | 26 Teaching Day (1st Unit Test)                    |
| August                                                  | 10   | Saturday  | 3 Teaching Day (1st Unit Test)               | September                                                   | 10   | Saturday  | 27 Teaching Day (1st Unit Test)                    |
| August                                                  | 11   | Sunday    | 4 Teaching Day (1st Unit Test)               | September                                                   | 11   | Sunday    | 28 Teaching Day (1st Unit Test)                    |
| August                                                  | 12   | Monday    | 5 Teaching Day (1st Unit Test)               | September                                                   | 12   | Monday    | 29 Teaching Day (1st Unit Test)                    |
| August                                                  | 13   | Tuesday   | 6 Teaching Day (1st Unit Test)               | September                                                   | 13   | Tuesday   | 30 Teaching Day (1st Unit Test)                    |
| August                                                  | 14   | Wednesday | 7 Teaching Day (1st Unit Test)               | September                                                   | 14   | Wednesday | 31 Teaching Day (1st Unit Test)                    |
| August                                                  | 15   | Thursday  | 8 Teaching Day (1st Unit Test)               | September                                                   | 15   | Thursday  | 1 Teaching Day (1st Unit Test)                     |
| August                                                  | 16   | Friday    | 9 Teaching Day (1st Unit Test)               | September                                                   | 16   | Friday    | 2 Teaching Day (1st Unit Test)                     |
| August                                                  | 17   | Saturday  | 10 Teaching Day (1st Unit Test)              | September                                                   | 17   | Saturday  | 3 Teaching Day (1st Unit Test)                     |
| August                                                  | 18   | Sunday    | 11 Teaching Day (1st Unit Test)              | September                                                   | 18   | Sunday    | 4 Teaching Day (1st Unit Test)                     |
| August                                                  | 19   | Monday    | 12 Teaching Day (1st Unit Test)              | September                                                   | 19   | Monday    | 5 Teaching Day (1st Unit Test)                     |
| August                                                  | 20   | Tuesday   | 13 Teaching Day (1st Unit Test)              | September                                                   | 20   | Tuesday   | 6 Teaching Day (1st Unit Test)                     |
| August                                                  | 21   | Wednesday | 14 Teaching Day (1st Unit Test)              | September                                                   | 21   | Wednesday | 7 Teaching Day (1st Unit Test)                     |
| August                                                  | 22   | Thursday  | 15 Teaching Day (1st Unit Test)              | September                                                   | 22   | Thursday  | 8 Teaching Day (1st Unit Test)                     |
| August                                                  | 23   | Friday    | 16 Teaching Day (1st Unit Test)              | September                                                   | 23   | Friday    | 9 Teaching Day (1st Unit Test)                     |
| August                                                  | 24   | Saturday  | 17 Teaching Day (1st Unit Test)              | September                                                   | 24   | Saturday  | 10 Teaching Day (1st Unit Test)                    |
| August                                                  | 25   | Sunday    | 18 Teaching Day (1st Unit Test)              | September                                                   | 25   | Sunday    | 11 Teaching Day (1st Unit Test)                    |
| August                                                  | 26   | Monday    | 19 Teaching Day (1st Unit Test)              | September                                                   | 26   | Monday    | 12 Teaching Day (1st Unit Test)                    |
| August                                                  | 27   | Tuesday   | 20 Teaching Day (1st Unit Test)              | September                                                   | 27   | Tuesday   | 13 Teaching Day (1st Unit Test)                    |
| August                                                  | 28   | Wednesday | 21 Teaching Day (1st Unit Test)              | September                                                   | 28   | Wednesday | 14 Teaching Day (1st Unit Test)                    |
| August                                                  | 29   | Thursday  | 22 Teaching Day (1st Unit Test)              | September                                                   | 29   | Thursday  | 15 Teaching Day (1st Unit Test)                    |
| August                                                  | 30   | Friday    | 23 Teaching Day (1st Unit Test)              | September                                                   | 30   | Friday    | 16 Teaching Day (1st Unit Test)                    |
| August                                                  | 31   | Saturday  | 24 Teaching Day (1st Unit Test)              | September                                                   | 31   | Saturday  | 17 Teaching Day (1st Unit Test)                    |
| September                                               | 1    | Sunday    | 25 Teaching Day (1st Unit Test)              | October                                                     | 1    | Sunday    | 18 Teaching Day (1st Unit Test)                    |
| September                                               | 2    | Monday    | 26 Teaching Day (1st Unit Test)              | October                                                     | 2    | Monday    | 19 Teaching Day (1st Unit Test)                    |
| September                                               | 3    | Tuesday   | 27 Teaching Day (1st Unit Test)              | October                                                     | 3    | Tuesday   | 20 Teaching Day (1st Unit Test)                    |
| September                                               | 4    | Wednesday | 28 Teaching Day (1st Unit Test)              | October                                                     | 4    | Wednesday | 21 Teaching Day (1st Unit Test)                    |
| September                                               | 5    | Thursday  | 29 Teaching Day (1st Unit Test)              | October                                                     | 5    | Thursday  | 22 Teaching Day (1st Unit Test)                    |
| September                                               | 6    | Friday    | 30 Teaching Day (1st Unit Test)              | October                                                     | 6    | Friday    | 23 Teaching Day (1st Unit Test)                    |
| September                                               | 7    | Saturday  | 31 Teaching Day (1st Unit Test)              | October                                                     | 7    | Saturday  | 24 Teaching Day (1st Unit Test)                    |
| September                                               | 8    | Sunday    | 1 Teaching Day (1st Unit Test)               | October                                                     | 8    | Sunday    | 25 Teaching Day (1st Unit Test)                    |
| September                                               | 9    | Monday    | 2 Teaching Day (1st Unit Test)               | October                                                     | 9    | Monday    | 26 Teaching Day (1st Unit Test)                    |
| September                                               | 10   | Tuesday   | 3 Teaching Day (1st Unit Test)               | October                                                     | 10   | Tuesday   | 27 Teaching Day (1st Unit Test)                    |
| September                                               | 11   | Wednesday | 4 Teaching Day (1st Unit Test)               | October                                                     | 11   | Wednesday | 28 Teaching Day (1st Unit Test)                    |
| September                                               | 12   | Thursday  | 5 Teaching Day (1st Unit Test)               | October                                                     | 12   | Thursday  | 29 Teaching Day (1st Unit Test)                    |
| September                                               | 13   | Friday    | 6 Teaching Day (1st Unit Test)               | October                                                     | 13   | Friday    | 30 Teaching Day (1st Unit Test)                    |
| September                                               | 14   | Saturday  | 7 Teaching Day (1st Unit Test)               | October                                                     | 14   | Saturday  | 31 Teaching Day (1st Unit Test)                    |
| September                                               | 15   | Sunday    | 8 Teaching Day (1st Unit Test)               | October                                                     | 15   | Sunday    | 1 Teaching Day (1st Unit Test)                     |
| September                                               | 16   | Monday    | 9 Teaching Day (1st Unit Test)               | October                                                     | 16   | Monday    | 2 Teaching Day (1st Unit Test)                     |
| September                                               | 17   | Tuesday   | 10 Teaching Day (1st Unit Test)              | October                                                     | 17   | Tuesday   | 3 Teaching Day (1st Unit Test)                     |
| September                                               | 18   | Wednesday | 11 Teaching Day (1st Unit Test)              | October                                                     | 18   | Wednesday | 4 Teaching Day (1st Unit Test)                     |
| September                                               | 19   | Thursday  | 12 Teaching Day (1st Unit Test)              | October                                                     | 19   | Thursday  | 5 Teaching Day (1st Unit Test)                     |
| September                                               | 20   | Friday    | 13 Teaching Day (1st Unit Test)              | October                                                     | 20   | Friday    | 6 Teaching Day (1st Unit Test)                     |
| September                                               | 21   | Saturday  | 14 Teaching Day (1st Unit Test)              | October                                                     | 21   | Saturday  | 7 Teaching Day (1st Unit Test)                     |
| September                                               | 22   | Sunday    | 15 Teaching Day (1st Unit Test)              | October                                                     | 22   | Sunday    | 8 Teaching Day (1st Unit Test)                     |
| September                                               | 23   | Monday    | 16 Teaching Day (1st Unit Test)              | October                                                     | 23   | Monday    | 9 Teaching Day (1st Unit Test)                     |
| September                                               | 24   | Tuesday   | 17 Teaching Day (1st Unit Test)              | October                                                     | 24   | Tuesday   | 10 Teaching Day (1st Unit Test)                    |
| September                                               | 25   | Wednesday | 18 Teaching Day (1st Unit Test)              | October                                                     | 25   | Wednesday | 11 Teaching Day (1st Unit Test)                    |
| September                                               | 26   | Thursday  | 19 Teaching Day (1st Unit Test)              | October                                                     | 26   | Thursday  | 12 Teaching Day (1st Unit Test)                    |
| September                                               | 27   | Friday    | 20 Teaching Day (1st Unit Test)              | October                                                     | 27   | Friday    | 13 Teaching Day (1st Unit Test)                    |
| September                                               | 28   | Saturday  | 21 Teaching Day (1st Unit Test)              | October                                                     | 28   | Saturday  | 14 Teaching Day (1st Unit Test)                    |
| September                                               | 29   | Sunday    | 22 Teaching Day (1st Unit Test)              | October                                                     | 29   | Sunday    | 15 Teaching Day (1st Unit Test)                    |
| September                                               | 30   | Monday    | 23 Teaching Day (1st Unit Test)              | October                                                     | 30   | Monday    | 16 Teaching Day (1st Unit Test)                    |
| September                                               | 31   | Tuesday   | 24 Teaching Day (1st Unit Test)              | October                                                     | 31   | Tuesday   | 17 Teaching Day (1st Unit Test)                    |
| October                                                 | 1    | Wednesday | 25 Teaching Day (1st Unit Test)              | November                                                    | 1    | Wednesday | 18 Teaching Day (1st Unit Test)                    |
| October                                                 | 2    | Thursday  | 26 Teaching Day (1st Unit Test)              | November                                                    | 2    | Thursday  | 19 Teaching Day (1st Unit Test)                    |
| October                                                 | 3    | Friday    | 27 Teaching Day (1st Unit Test)              | November                                                    | 3    | Friday    | 20 Teaching Day (1st Unit Test)                    |
| October                                                 | 4    | Saturday  | 28 Teaching Day (1st Unit Test)              | November                                                    | 4    | Saturday  | 21 Teaching Day (1st Unit Test)                    |
| October                                                 | 5    | Sunday    | 29 Teaching Day (1st Unit Test)              | November                                                    | 5    | Sunday    | 22 Teaching Day (1st Unit Test)                    |
| October                                                 | 6    | Monday    | 30 Teaching Day (1st Unit Test)              | November                                                    | 6    | Monday    | 23 Teaching Day (1st Unit Test)                    |
| October                                                 | 7    | Tuesday   | 31 Teaching Day (1st Unit Test)              | November                                                    | 7    | Tuesday   | 24 Teaching Day (1st Unit Test)                    |
| October                                                 | 8    | Wednesday | 1 Teaching Day (1st Unit Test)               | November                                                    | 8    | Wednesday | 25 Teaching Day (1st Unit Test)                    |
| October                                                 | 9    | Thursday  | 2 Teaching Day (1st Unit Test)               | November                                                    | 9    | Thursday  | 26 Teaching Day (1st Unit Test)                    |
| October                                                 | 10   | Friday    | 3 Teaching Day (1st Unit Test)               | November                                                    | 10   | Friday    | 27 Teaching Day (1st Unit Test)                    |
| October                                                 | 11   | Saturday  | 4 Teaching Day (1st Unit Test)               | November                                                    | 11   | Saturday  | 28 Teaching Day (1st Unit Test)                    |
| October                                                 | 12   | Sunday    | 5 Teaching Day (1st Unit Test)               | November                                                    | 12   | Sunday    | 29 Teaching Day (1st Unit Test)                    |
| October                                                 | 13   | Monday    | 6 Teaching Day (1st Unit Test)               | November                                                    | 13   | Monday    | 30 Teaching Day (1st Unit Test)                    |
| October                                                 | 14   | Tuesday   | 7 Teaching Day (1st Unit Test)               | November                                                    | 14   | Tuesday   | 31 Teaching Day (1st Unit Test)                    |
| October                                                 | 15   | Wednesday | 8 Teaching Day (1st Unit Test)               | November                                                    | 15   | Wednesday | 1 Teaching Day (1st Unit Test)                     |
| October                                                 | 16   | Thursday  | 9 Teaching Day (1st Unit Test)               | November                                                    | 16   | Thursday  | 2 Teaching Day (1st Unit Test)                     |
| October                                                 | 17   | Friday    | 10 Teaching Day (1st Unit Test)              | November                                                    | 17   | Friday    | 3 Teaching Day (1st Unit Test)                     |
| October                                                 | 18   | Saturday  | 11 Teaching Day (1st Unit Test)              | November                                                    | 18   | Saturday  | 4 Teaching Day (1st Unit Test)                     |
| October                                                 | 19   | Sunday    | 12 Teaching Day (1st Unit Test)              | November                                                    | 19   | Sunday    | 5 Teaching Day (1st Unit Test)                     |
| October                                                 | 20   | Monday    | 13 Teaching Day (1st Unit Test)              | November                                                    | 20   | Monday    | 6 Teaching Day (1st Unit Test)                     |
| October                                                 | 21   | Tuesday   | 14 Teaching Day (1st Unit Test)              | November                                                    | 21   | Tuesday   | 7 Teaching Day (1st Unit Test)                     |
| October                                                 | 22   | Wednesday | 15 Teaching Day (1st Unit Test)              | November                                                    | 22   | Wednesday | 8 Teaching Day (1st Unit Test)                     |
| October                                                 | 23   | Thursday  | 16 Teaching Day (1st Unit Test)              | November                                                    | 23   | Thursday  | 9 Teaching Day (1st Unit Test)                     |
| October                                                 | 24   | Friday    | 17 Teaching Day (1st Unit Test)              | November                                                    | 24   | Friday    | 10 Teaching Day (1st Unit Test)                    |
| October                                                 | 25   | Saturday  | 18 Teaching Day (1st Unit Test)              | November                                                    | 25   | Saturday  | 11 Teaching Day (1st Unit Test)                    |
| October                                                 | 26   | Sunday    | 19 Teaching Day (1st Unit Test)              | November                                                    | 26   | Sunday    | 12 Teaching Day (1st Unit Test)                    |
| October                                                 | 27   | Monday    | 20 Teaching Day (1st Unit Test)              | November                                                    | 27   | Monday    | 13 Teaching Day (1st Unit Test)                    |
| October                                                 | 28   | Tuesday   | 21 Teaching Day (1st Unit Test)              | November                                                    | 28   | Tuesday   | 14 Teaching Day (1st Unit Test)                    |
| October                                                 | 29   | Wednesday | 22 Teaching Day (1st Unit Test)              | November                                                    | 29   | Wednesday | 15 Teaching Day (1st Unit Test)                    |
| October                                                 | 30   | Thursday  | 23 Teaching Day (1st Unit Test)              | November                                                    | 30   | Thursday  | 16 Teaching Day (1st Unit Test)                    |
| October                                                 | 31   | Friday    | 24 Teaching Day (1st Unit Test)              | November                                                    | 31   | Friday    | 17 Teaching Day (1st Unit Test)                    |
| November                                                | 1    | Saturday  | 25 Teaching Day (1st Unit Test)              | December                                                    | 1    | Saturday  | 18 Teaching Day (1st Unit Test)                    |
| November                                                | 2    | Sunday    | 26 Teaching Day (1st Unit Test)              | December                                                    | 2    | Sunday    | 19 Teaching Day (1st Unit Test)                    |
| November                                                | 3    | Monday    | 27 Teaching Day (1st Unit Test)              | December                                                    | 3    | Monday    | 20 Teaching Day (1st Unit Test)                    |
| November                                                | 4    | Tuesday   | 28 Teaching Day (1st Unit Test)              | December                                                    | 4    | Tuesday   | 21 Teaching Day (1st Unit Test)                    |
| November                                                | 5    | Wednesday | 29 Teaching Day (1st Unit Test)              | December                                                    | 5    | Wednesday | 22 Teaching Day (1st Unit Test)                    |
| November                                                | 6    | Thursday  | 30 Teaching Day (1st Unit Test)              | December                                                    | 6    | Thursday  | 23 Teaching Day (1st Unit Test)                    |
| November                                                | 7    | Friday    | 31 Teaching Day (1st Unit Test)              | December                                                    | 7    | Friday    | 24 Teaching Day (1st Unit Test)                    |
| November                                                | 8    | Saturday  | 1 Teaching Day (1st Unit Test)               | December                                                    | 8    | Saturday  | 25 Teaching Day (1st Unit Test)                    |
| November                                                | 9    | Sunday    | 2 Teaching Day (1st Unit Test)               | December                                                    | 9    | Sunday    | 26 Teaching Day (1st Unit Test)                    |
| November                                                | 10   | Monday    | 3 Teaching Day (1st Unit Test)               | December                                                    | 10   | Monday    | 27 Teaching Day (1st Unit Test)                    |
| November                                                | 11   | Tuesday   | 4 Teaching Day (1st Unit Test)               | December                                                    | 11   | Tuesday   | 28 Teaching Day (1st Unit Test)                    |
| November                                                | 12   | Wednesday | 5 Teaching Day (1st Unit Test)               | December                                                    | 12   | Wednesday | 29 Teaching Day (1st Unit Test)                    |
| November                                                | 13   | Thursday  | 6 Teaching Day (1st Unit Test)               | December                                                    | 13   | Thursday  | 30 Teaching Day (1st Unit Test)                    |
| November                                                | 14   | Friday    | 7 Teaching Day (1st Unit Test)               | December                                                    | 14   | Friday    | 31 Teaching Day (1st Unit Test)                    |
| November                                                | 15   | Saturday  | 8 Teaching Day (1st Unit Test)               | December                                                    | 15   | Saturday  | 1 Teaching Day (1st Unit Test)                     |
| November                                                | 16   | Sunday    | 9 Teaching Day (1st Unit Test)               | December                                                    | 16   | Sunday    | 2 Teaching Day (1st Unit Test)                     |
| November                                                | 17   | Monday    | 10 Teaching Day (1st Unit Test)              | December                                                    | 17   | Monday    | 3 Teaching Day (1st Unit Test)                     |
| November                                                | 18   | Tuesday   | 11 Teaching Day (1st Unit Test)              | December                                                    | 18   | Tuesday   | 4 Teaching Day (1st Unit Test)                     |
| November                                                | 19   | Wednesday | 12 Teaching Day (1st Unit Test)              | December                                                    | 19   | Wednesday | 5 Teaching Day (1st Unit Test)                     |
| November                                                | 20   | Thursday  | 13 Teaching Day (1st Unit Test)              | December                                                    | 20   | Thursday  | 6 Teaching Day (1st Unit Test)                     |
| November                                                | 21   | Friday    | 14 Teaching Day (1st Unit Test)              | December                                                    | 21   | Friday    | 7 Teaching Day (1st Unit Test)                     |
| November                                                | 22   | Saturday  | 15 Teaching Day (1st Unit Test)              | December                                                    | 22   | Saturday  | 8 Teaching Day (1st Unit Test)                     |
| November                                                | 23   | Sunday    | 16 Teaching Day (1st Unit Test)              | December                                                    | 23   | Sunday    | 9 Teaching Day (1st Unit Test)                     |
| November                                                | 24   | Monday    | 17 Teaching Day (1st Unit Test)              | December                                                    | 24   | Monday    | 10 Teaching Day (1st Unit Test)                    |
| November                                                | 25   | Tuesday   | 18 Teaching Day (1st Unit Test)              | December                                                    | 25   | Tuesday   | 11 Teaching Day (1st Unit Test)                    |
| November                                                | 26   | Wednesday | 19 Teaching Day (1st Unit Test)              | December                                                    | 26   | Wednesday | 12 Teaching Day (1st Unit Test)                    |
| November                                                | 27   | Thursday  | 20 Teaching Day (1st Unit Test)              | December                                                    | 27   | Thursday  | 13 Teaching Day (1st Unit Test)                    |
| November                                                | 28   | Friday    | 21 Teaching Day (1st Unit Test)              | December                                                    | 28   | Friday    | 14 Teaching Day (1st Unit Test)                    |
| November                                                | 29   | Saturday  | 22 Teaching Day (1st Unit Test)              | December                                                    | 29   | Saturday  | 15 Teaching Day (1st Unit Test)                    |
| November                                                | 30   | Sunday    | 23 Teaching Day (1st Unit Test)              | December                                                    | 30   | Sunday    | 16 Teaching Day (1st Unit Test)                    |
| November                                                | 31   | Monday    | 24 Teaching Day (1st Unit Test)              | December                                                    | 31   | Monday    | 17 Teaching Day (1st Unit Test)                    |

## Activity Calender

- July 2016**
  - Student Registration Process
  - Final Year Project Distribution
  - Seminar on Internet of Things (IoT) by Dept. of ECE
  - GATE Training Programme
  - MASS Fire Holiday
  - Attendance Coordinator HOD-Mentor Meet
- August 2016**
  - Campus Placement Training
  - Orientation Program of New Admission Batch
  - Diagnostic test for New Admission Batch
  - Seminar on "New Innovations in Cloud Computing for Big Data Applications" by Dept. of IT
  - Independence Day Celebration
  - Summer Holiday
  - Expert Lecture on Bioinformatics by Dept. of IT
  - Attendance Coordinator HOD-Mentor Meet
- September 2016**
  - 1<sup>st</sup> Convocation
  - MASS Foundation Day Celebration
  - Campus Placement Training
  - Teacher's Day Celebration
  - Frederick's Welcome
  - MASS Foundation Day
  - Q&A Live classes of IIT Chennai
  - Frederick's Welcome
  - MASS Foundation Day
  - Attendance Coordinator HOD-Mentor Meet
- October 2016**
  - International Conference on Industry Interactive Innovation in Science, Engineering and Technology (ICISET 2016)
  - Good Friday Holiday
  - Durga Puja
  - Kali Puja
  - Activities of Students' Life Centre
- November 2016**
  - Campus Placement Training
  - Parent-Teacher Meeting
  - Teacher's Day Celebration
  - 2<sup>nd</sup> Class Test
  - Workshop on Outcome Based Accreditation
  - Even Semester Practical Examination
- December 2016**
  - Seminar on Cloud Computing by IT Dept.
  - Even Semester Theory Examination
  - Academic Workshop on "Play Learning"
  - Christmas Day
  - Inter Semester Break



# IIS COLLEGE OF ENGINEERING

(An Autonomous Institute)

## ACADEMIC CALENDAR FOR EVEN SEMESTER 2017 [January to June]

| Month   | Date | Day       | Particulars                                  | Month    | Date | Day       | Particulars                                  |
|---------|------|-----------|----------------------------------------------|----------|------|-----------|----------------------------------------------|
| January | 1    | Sunday    | Weekly off                                   | February | 1    | Wednesday | Semester Holiday                             |
| January | 2    | Monday    | Semester Break                               | February | 2    | Thursday  | 16 Teaching Day                              |
| January | 3    | Tuesday   | Semester Break                               | February | 3    | Friday    | 17 Teaching Day (Speakers' Corner)           |
| January | 4    | Wednesday | Semester Break                               | February | 4    | Saturday  | Weekly off                                   |
| January | 5    | Thursday  | Semester Break                               | February | 5    | Sunday    | Weekly off                                   |
| January | 6    | Friday    | Semester Break                               | February | 6    | Monday    | 18 Teaching Day                              |
| January | 7    | Saturday  | Weekly off                                   | February | 7    | Tuesday   | 19 Teaching Day                              |
| January | 8    | Sunday    | Weekly off                                   | Month    | Date | Day       | Particulars                                  |
| January | 9    | Monday    | 1 Teaching Day                               | February | 8    | Wednesday | 20 Teaching Day                              |
| January | 10   | Tuesday   | 2 Teaching Day                               | February | 9    | Thursday  | 21 Teaching Day                              |
| January | 11   | Wednesday | 3 Teaching Day                               | February | 10   | Friday    | 22 Teaching Day (Speakers' Corner)           |
| January | 12   | Thursday  | 4 Teaching Day                               | February | 11   | Saturday  | Weekly off                                   |
| January | 13   | Friday    | 5 Teaching Day (Speakers' Corner)            | February | 12   | Sunday    | Weekly off                                   |
| January | 14   | Saturday  | Weekly off                                   | February | 13   | Monday    | 23 Teaching Day                              |
| January | 15   | Sunday    | Weekly off                                   | February | 14   | Tuesday   | 24 Teaching Day                              |
| January | 16   | Monday    | 6 Teaching Day                               | February | 15   | Wednesday | 25 Teaching Day                              |
| January | 17   | Tuesday   | 7 Teaching Day                               | February | 16   | Thursday  | 26 Teaching Day                              |
| January | 18   | Wednesday | 8 Teaching Day                               | February | 17   | Friday    | 27 Teaching Day (Speakers' Corner)           |
| January | 19   | Thursday  | 9 Teaching Day                               | February | 18   | Saturday  | Weekly off                                   |
| January | 20   | Friday    | 10 Teaching Day (Speakers' Corner)           | February | 19   | Sunday    | Weekly off                                   |
| January | 21   | Saturday  | Weekly off                                   | February | 20   | Monday    | 28 Teaching Day                              |
| January | 22   | Sunday    | Weekly off                                   | February | 21   | Tuesday   | 29 Teaching Day                              |
| January | 23   | Monday    | Nehru's Birthday                             | February | 22   | Wednesday | 30 Teaching Day                              |
| January | 24   | Tuesday   | 31 Teaching Day                              | February | 23   | Thursday  | 31 Teaching Day                              |
| January | 25   | Wednesday | 1 Teaching Day                               | February | 24   | Friday    | 24 Teaching Day (Speakers' Corner)           |
| January | 26   | Thursday  | Repeatable Day                               | February | 25   | Saturday  | Weekly off                                   |
| January | 27   | Friday    | 31 Teaching Day (Speakers' Corner)           | February | 26   | Sunday    | Weekly off                                   |
| January | 28   | Saturday  | Weekly off                                   | February | 27   | Monday    | 31 Teaching Day                              |
| January | 29   | Sunday    | Weekly off                                   | February | 28   | Tuesday   | 34 Teaching Day                              |
| January | 30   | Monday    | 34 Teaching Day                              |          |      |           |                                              |
| January | 31   | Tuesday   | 35 Teaching Day                              | May      | 1    | Monday    | May Day                                      |
| April   | 1    | Saturday  | Weekly off                                   | May      | 2    | Tuesday   | 55 Teaching Day                              |
| April   | 2    | Sunday    | Weekly off                                   | May      | 3    | Wednesday | 56 Teaching Day                              |
| April   | 3    | Monday    | 56 Teaching Day                              | May      | 4    | Thursday  | 77 Teaching Day                              |
| April   | 4    | Tuesday   | 57 Teaching Day                              | May      | 5    | Friday    | 58 Teaching Day (Speakers' Corner)           |
| April   | 5    | Wednesday | 58 Teaching Day                              | May      | 6    | Saturday  | Weekly off                                   |
| April   | 6    | Thursday  | 59 Teaching Day                              | May      | 7    | Sunday    | Weekly off                                   |
| April   | 7    | Friday    | 60 Teaching Day (Speakers' Corner)           | May      | 8    | Monday    | 59 Teaching Day                              |
| April   | 8    | Saturday  | Weekly off                                   | May      | 9    | Tuesday   | 60 Teaching Day (Rajendra Jayanti)           |
| April   | 9    | Sunday    | Weekly off                                   | May      | 10   | Wednesday | 61 Teaching Day                              |
| April   | 10   | Monday    | 61 Teaching Day                              | May      | 11   | Thursday  | 62 Teaching Day                              |
| April   | 11   | Tuesday   | 62 Teaching Day                              | May      | 12   | Friday    | 63 Teaching Day (Speakers' Corner)           |
| April   | 12   | Wednesday | 63 Teaching Day                              | May      | 13   | Saturday  | Weekly off                                   |
| April   | 13   | Thursday  | 64 Teaching Day                              | May      | 14   | Sunday    | Weekly off                                   |
| April   | 14   | Friday    | 65 Teaching Day                              | May      | 15   | Monday    | 64 Teaching Day                              |
| April   | 15   | Saturday  | Weekly off                                   | May      | 16   | Tuesday   | 65 Teaching Day                              |
| April   | 16   | Sunday    | Weekly off                                   | May      | 17   | Wednesday | 66 Teaching Day                              |
| April   | 17   | Monday    | 65 Teaching Day                              | May      | 18   | Thursday  | 67 Teaching Day                              |
| April   | 18   | Tuesday   | 66 Teaching Day                              | May      | 19   | Friday    | 68 Teaching Day (Speakers' Corner)           |
| April   | 19   | Wednesday | 67 Teaching Day                              | May      | 20   | Saturday  | Weekly off                                   |
| April   | 20   | Thursday  | 68 Teaching Day                              | May      | 21   | Sunday    | Weekly off                                   |
| April   | 21   | Friday    | 69 Teaching Day (Speakers' Corner)           | May      | 22   | Monday    | 69 Teaching Day                              |
| April   | 22   | Saturday  | Weekly off                                   | May      | 23   | Tuesday   | Even Semester Exams Begin Fill up Guidelines |
| April   | 23   | Sunday    | Weekly off                                   | May      | 24   | Wednesday | 70 Teaching Day 2 <sup>nd</sup> Shift        |
| April   | 24   | Monday    | 70 Teaching Day                              | May      | 25   | Thursday  | 71 Teaching Day 2 <sup>nd</sup> Shift        |
| April   | 25   | Tuesday   | 71 Teaching Day                              | May      | 26   | Friday    | Even Semester Exams Begin Fill up Guidelines |
| April   | 26   | Wednesday | 72 Teaching Day                              | May      | 27   | Saturday  | 72 Teaching Day 2 <sup>nd</sup> Shift        |
| April   | 27   | Thursday  | 73 Teaching Day                              | May      | 28   | Sunday    | Even Semester Exams Begin Fill up Guidelines |
| April   | 28   | Friday    | 74 Teaching Day (Speakers' Corner)           | May      | 29   | Monday    | 73 Teaching Day                              |
| April   | 29   | Saturday  | Monthly Seminar                              | May      | 30   | Tuesday   | 74 Teaching Day                              |
| April   | 30   | Sunday    | Weekly off                                   | May      | 31   | Wednesday | 75 Teaching Day                              |
|         |      |           |                                              | May      | 31   | Wednesday | Practical Exam                               |
| March   | 1    | Wednesday | 35 Teaching Day                              | March    | 1    | Thursday  | 36 Teaching Day                              |
| March   | 2    | Thursday  | 37 Teaching Day (Speakers' Corner)           | March    | 3    | Friday    | 38 Teaching Day (Speakers' Corner)           |
| March   | 4    | Saturday  | Weekly off                                   | March    | 4    | Saturday  | Weekly off                                   |
| March   | 5    | Sunday    | Weekly off                                   | March    | 5    | Sunday    | Weekly off                                   |
| March   | 6    | Monday    | 38 Teaching Day                              | March    | 6    | Monday    | 38 Teaching Day                              |
| March   | 7    | Tuesday   | 39 Teaching Day                              | March    | 7    | Tuesday   | 39 Teaching Day                              |
| March   | 8    | Wednesday | 40 Teaching Day                              | March    | 8    | Wednesday | 40 Teaching Day                              |
| March   | 9    | Thursday  | 41 Teaching Day                              | March    | 9    | Thursday  | 41 Teaching Day (Speakers' Corner)           |
| March   | 10   | Friday    | 42 Teaching Day (Speakers' Corner)           | March    | 10   | Friday    | 42 Teaching Day (Speakers' Corner)           |
| March   | 11   | Saturday  | Weekly off                                   | March    | 11   | Saturday  | Weekly off                                   |
| March   | 12   | Sunday    | Weekly off                                   | March    | 12   | Sunday    | Weekly off                                   |
| March   | 13   | Monday    | Holiday                                      | March    | 13   | Monday    | Holiday                                      |
| March   | 14   | Tuesday   | Holiday                                      | March    | 14   | Tuesday   | Holiday                                      |
| March   | 15   | Wednesday | 43 Teaching Day                              | March    | 15   | Wednesday | 43 Teaching Day                              |
| March   | 16   | Thursday  | 44 Teaching Day                              | March    | 16   | Thursday  | 44 Teaching Day (Speakers' Corner)           |
| March   | 17   | Friday    | 45 Teaching Day (Speakers' Corner)           | March    | 17   | Friday    | 45 Teaching Day (Speakers' Corner)           |
| March   | 18   | Saturday  | Weekly off                                   | March    | 18   | Saturday  | Weekly off                                   |
| March   | 19   | Sunday    | Weekly off                                   | March    | 19   | Sunday    | Weekly off                                   |
| March   | 20   | Monday    | 46 Teaching Day                              | March    | 20   | Monday    | 46 Teaching Day                              |
| March   | 21   | Tuesday   | 47 Teaching Day (1 <sup>st</sup> Shift Test) | March    | 21   | Tuesday   | 47 Teaching Day (1 <sup>st</sup> Shift Test) |
| March   | 22   | Wednesday | 48 Teaching Day (1 <sup>st</sup> Shift Test) | March    | 22   | Wednesday | 48 Teaching Day (1 <sup>st</sup> Shift Test) |
| March   | 23   | Thursday  | 49 Teaching Day (1 <sup>st</sup> Shift Test) | March    | 23   | Thursday  | 49 Teaching Day (1 <sup>st</sup> Shift Test) |
| March   | 24   | Friday    | 50 Teaching Day (Speakers' Corner)           | March    | 24   | Friday    | 50 Teaching Day (Speakers' Corner)           |
| March   | 25   | Saturday  | Weekly off                                   | March    | 25   | Saturday  | Weekly off                                   |
| March   | 26   | Sunday    | Weekly off                                   | March    | 26   | Sunday    | Weekly off                                   |
| March   | 27   | Monday    | 51 Teaching Day                              | March    | 27   | Monday    | 51 Teaching Day                              |
| March   | 28   | Tuesday   | 52 Teaching Day                              | March    | 28   | Tuesday   | 52 Teaching Day                              |
| March   | 29   | Wednesday | 53 Teaching Day                              | March    | 29   | Wednesday | 53 Teaching Day                              |
| March   | 30   | Thursday  | 54 Teaching Day                              | March    | 30   | Thursday  | 54 Teaching Day                              |
| March   | 31   | Friday    | 55 Teaching Day (Speakers' Corner)           | March    | 31   | Friday    | 55 Teaching Day (Speakers' Corner)           |
| June    | 1    | Thursday  | Practical Exam                               | June     | 1    | Thursday  | Practical Exam                               |
| June    | 2    | Friday    | Practical Exam                               | June     | 2    | Friday    | Practical Exam                               |
| June    | 3    | Saturday  | Weekly off                                   | June     | 3    | Saturday  | Weekly off                                   |
| June    | 4    | Sunday    | Weekly off                                   | June     | 4    | Sunday    | Weekly off                                   |
| June    | 5    | Monday    | Study Leave                                  | June     | 5    | Monday    | Study Leave                                  |
| June    | 6    | Tuesday   | Study Leave                                  | June     | 6    | Tuesday   | Study Leave                                  |
| June    | 7    | Wednesday | Study Leave                                  | June     | 7    | Wednesday | Study Leave                                  |
| June    | 8    | Thursday  | Study Leave                                  | June     | 8    | Thursday  | Study Leave                                  |
| June    | 9    | Friday    | Theoretical Exam                             | June     | 9    | Friday    | Theoretical Exam                             |
| June    | 10   | Saturday  | Theoretical Exam                             | June     | 10   | Saturday  | Theoretical Exam                             |
| June    | 11   | Sunday    | Weekly off                                   | June     | 11   | Sunday    | Weekly off                                   |
| June    | 12   | Monday    | Theoretical Exam                             | June     | 12   | Monday    | Theoretical Exam                             |
| June    | 13   | Tuesday   | Theoretical Exam                             | June     | 13   | Tuesday   | Theoretical Exam                             |
| June    | 14   | Wednesday | Theoretical Exam                             | June     | 14   | Wednesday | Theoretical Exam                             |
| June    | 15   | Thursday  | Theoretical Exam                             | June     | 15   | Thursday  | Theoretical Exam                             |
| June    | 16   | Friday    | Theoretical Exam                             | June     | 16   | Friday    | Theoretical Exam                             |
| June    | 17   | Saturday  | Theoretical Exam                             | June     | 17   | Saturday  | Theoretical Exam                             |
| June    | 18   | Sunday    | Weekly off                                   | June     | 18   | Sunday    | Weekly off                                   |
| June    | 19   | Monday    | Theoretical Exam                             | June     | 19   | Monday    | Theoretical Exam                             |
| June    | 20   | Tuesday   | Theoretical Exam                             | June     | 20   | Tuesday   | Theoretical Exam                             |
| June    | 21   | Wednesday | Theoretical Exam                             | June     | 21   | Wednesday | Theoretical Exam                             |
| June    | 22   | Thursday  | Semester Break                               | June     | 22   | Thursday  | Semester Break                               |
| June    | 23   | Friday    | Semester Break                               | June     | 23   | Friday    | Semester Break                               |
| June    | 24   | Saturday  | Semester Break                               | June     | 24   | Saturday  | Semester Break                               |
| June    | 25   | Sunday    | Semester Break                               | June     | 25   | Sunday    | Semester Break                               |
| June    | 26   | Monday    | Semester Break                               | June     | 26   | Monday    | Semester Break                               |
| June    | 27   | Tuesday   | Semester Break                               | June     | 27   | Tuesday   | Semester Break                               |
| June    | 28   | Wednesday | Semester Break                               | June     | 28   | Wednesday | Semester Break                               |
| June    | 29   | Thursday  | Semester Break                               | June     | 29   | Thursday  | Semester Break                               |
| June    | 30   | Friday    | Semester Break                               | June     | 30   | Friday    | Semester Break                               |
| July    | 01   | Saturday  | Semester Break                               | July     | 01   | Saturday  | Semester Break                               |

| Activity Calendar |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| January 2017      | <ul style="list-style-type: none"> <li>International Youth Day (Swami's Birthday) Celebration</li> <li>Industrial Tour</li> <li>GATE Training Programme under EAP</li> <li>English Communication Skill Training</li> <li>Campus Placement Training</li> <li>Campus Placement Training</li> <li>College Fests</li> <li>Nehru's Birthday Celebration</li> <li>Regularity Day Celebration</li> <li>Speakers' Corner</li> <li>Attendance Coordinator HOD Mentor Meet</li> </ul>                                                                                                                                                                                                                                            |
| February 2017     | <ul style="list-style-type: none"> <li>Semester PSC Development</li> <li>Technical Skill Development for 2<sup>nd</sup> year Students</li> <li>GATE Training Programme under EAP</li> <li>English Communication Skill Training</li> <li>Campus Placement Training</li> <li>Monthly HOD meeting</li> <li>Attendance Coordinator HOD Mentor student meet</li> <li>Semester PSC Development</li> <li>International Symposium on Gen Next Initiatives for Digital India</li> <li>RTS/IOE/IT</li> <li>Speaker's Corner Training</li> <li>Speakers' Training programme of IT Bombay</li> <li>QUEST programme of IIT Chennai</li> <li>Faculty Training programme under TRIST Program, IIT Bombay and IIT-Kharagpur</li> </ul> |
| March 2017        | <ul style="list-style-type: none"> <li>Fest and Deities Celebration</li> <li>Awareness programme to be organized by Women cell</li> <li>GATE Training Programme under EAP</li> <li>English Communication Skill Training</li> <li>Campus Placement Training</li> <li>Monthly HOD meeting</li> <li>Attendance Coordinator HOD Mentor student Meet</li> <li>SIXT Six College Clubs Tournament</li> <li>Internal Slot Test</li> <li>QUEST, Industrial Tour programme of IIT Bombay</li> <li>Fabrication of Cars Competition organized by CA Dept</li> <li>Industrial Tour of BA Dept</li> <li>Workshop on Android Application of IT Dept</li> </ul>                                                                        |
| April 2017        | <ul style="list-style-type: none"> <li>Good Friday, Anushkar's Birthday celebration</li> <li>Pala Beach</li> <li>English Communication Skill Training</li> <li>Campus Placement Training</li> <li>Monthly HOD meeting</li> <li>Attendance Coordinator HOD Mentor student: Punct Meet</li> <li>Seminar of IT Dept</li> <li>One day awareness program based on Industrial Automation of EE Dept</li> <li>IT Dept's Computerizing of BA Dept</li> <li>Expert Lecture on Advanced Computing of IT Dept</li> <li>Blood Donation Camp</li> <li>Orientation of Student's Life Centre</li> </ul>                                                                                                                               |
| May 2017          | <ul style="list-style-type: none"> <li>Campus Placement Training</li> <li>Monthly HOD meeting</li> <li>Monthly HOD meeting</li> <li>Workshop on PCB Design and Manufacturing by EEE and HOD Dept</li> <li>Seminar on Process Dept, IIT Bombay</li> <li>Training programme in Industrial Automation, PLC &amp; SCADA by EE Dept</li> <li>Workshop on IT Assembly of BA Dept</li> <li>One day seminar on "Recent Advances in Power electronics of EE Dept"</li> <li>Exhibition on Solid Waste Management by Chemistry Dept</li> <li>Student Fests</li> <li>Even Semester Term Fests</li> <li>Even Semester Practical Examination</li> </ul>                                                                              |



2.16 Whether the AQAR was placed in statutory body      Yes ☒      No

Management ☒      Syndicate ☐      Any other body ☐

Provide the details of the action taken

Inter – departmental audit and other quality measures placed at IQAC.

Part – B  
Criterion – I

**1. Curricular Aspects**

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                     | 04                            | -                                          | 04                                  | 35                                                 |
| UG                     | 07                            | -                                          | 07                                  | 35                                                 |
| PG Diploma             |                               |                                            |                                     |                                                    |
| Advanced Diploma       |                               |                                            |                                     |                                                    |
| Diploma                | 01                            |                                            | 01                                  |                                                    |
| Certificate            |                               |                                            |                                     |                                                    |
| Others                 |                               |                                            |                                     |                                                    |
| <b>Total</b>           | 12                            |                                            | 12                                  |                                                    |
| Interdisciplinary      | 1                             |                                            |                                     |                                                    |
| Innovative             | 1                             |                                            |                                     |                                                    |

(i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

| Pattern    | Number of programmes |
|------------|----------------------|
| Semester ✓ | 12                   |
| Trimester  |                      |
| Annual     |                      |

Feedback from stakeholders\* Alumni ☒ Parents ☒ Employers ☒ Students ☒  
(On all aspects)

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

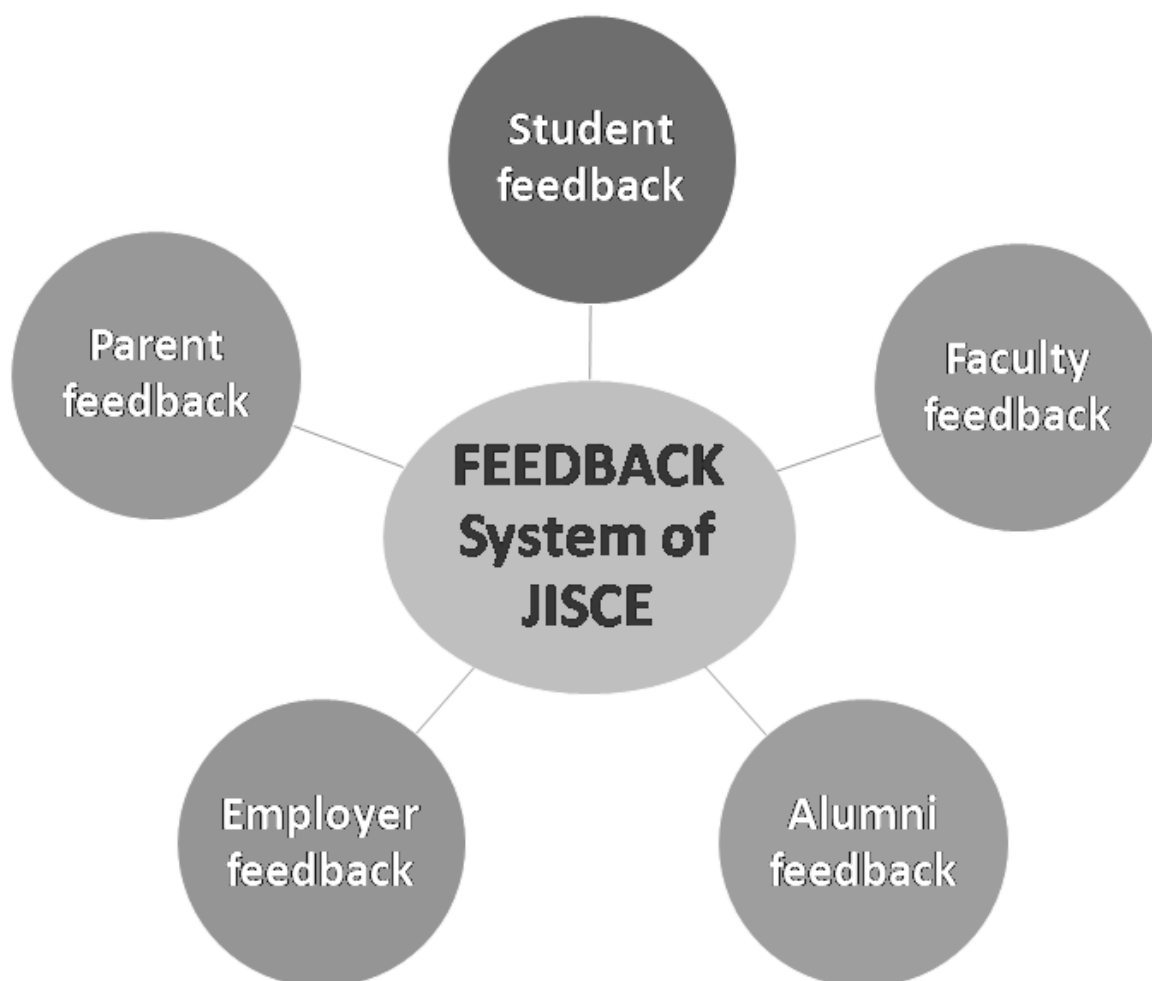
**\* Please provide an analysis of the feedback in the Annexure**

(Illustrative: <https://jiscollge.ac.in/academic-feedback.php>)

## Feedback Collection and Analysis

- Academic feedbacks on syllabus and curriculum are collected from all the stakeholders (i.e. students, parents, alumni, teachers and employers) of JISCE
- These structured feedback forms are available in the JISCE website
- The feedbacks are analyzed and actions are taken according to the feedbacks received from the stakeholders. The reports of feedback analysis and actions taken are generated.
- Areas of improvement are identified by the respective departments.
- Suitable changes in the curriculum / course content are made by the involvement of the Head of the Department in BOS meeting.
- Feedbacks and action taken reports (ATR) are placed in BOG meeting.

For reference please visit : <https://jiscollege.ac.in/pdf/Feedback%20%20Analysis%20&%20ATR%20%202017-18.pdf>



Based upon the following PEO-PO the analysis of Feedback has been provided in the following:

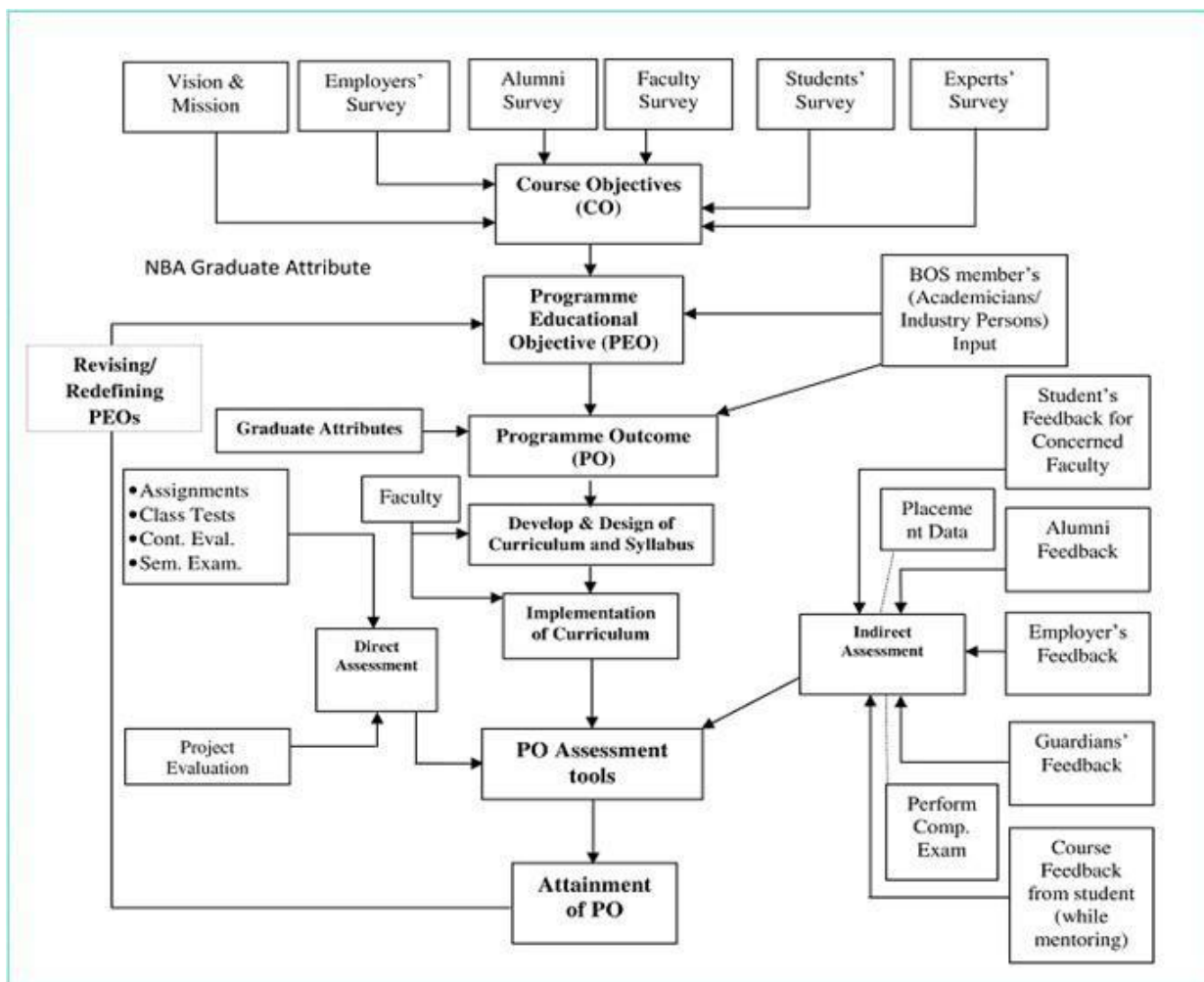


Diagram 2: Stakeholders' Feedback at Outcome based education Framework

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

Incorporation of Technological priorities at Global, National and regional level is done after a thorough review of curriculum. Experts from industry and universities are involved in the development of curriculum as members of Board of Studies. The members meet regularly in BoS meeting and make changes in the curriculum depending on the need from Industry. The inputs from Alumni and industry are taken into consideration while revising the existing curriculum. The syllabus has undergone a quantitative percentage of change. Based on input from industry and subject experts new courses have been introduced keeping future employability, entrepreneurship and innovation in mind.

Frequency of BOS meeting in the departments during transitional phase of autonomy is at least once in a semester.

Any new Department/Centre introduced during the year. If yes, give details. : No new department. However, the following Centres are in operation:

- **Centre for Quality Enhancement in Engineering Education (QEEE):** This centre is TEQIP funded to conduct live classes for the Students by the National Teachers. This lab is according to the framework of MHRD and resourced by IIT Chennai. QEEE Course Pack in selected subjects are attended by the students across the Disciplines
- **Collaborative Learning and Innovation Centre (CLIC):** This centre is initiated through collaboration with **Tata Technologies** for enhancement of professional skills in the core engineering Section. The students with the background of Civil, Mechanical and Electrical Engineering background were benefited through the range of activities from Industrial training to Industrial visit.

**National Programme for Technology Enhanced Learning (NPTEL):** NPTEL is an acronym for National Programme on Technology Enhanced Learning which is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science (IISc) for creating course contents in engineering and science. NPTEL as a project originated from many deliberations between IITs, Indian Institutes of Management (IIMs) and Carnegie Mellon University (CMU) during the years 1999-2003. A proposal was jointly put forward by five IITs (Bombay, Delhi, Kanpur, Kharagpur and Madras) and IISc for creating contents for 100 courses as web based supplements and 100 complete video courses, for forty hours of duration per course.



## Criterion – II

### 1. Teaching, Learning and Evaluation

|                                    |       |                  |                      |            |        |
|------------------------------------|-------|------------------|----------------------|------------|--------|
| 1.1 Total No. of permanent faculty | Total | Asst. Professors | Associate Professors | Professors | Others |
|                                    | 208   | 179              | 12                   | 17         | 0      |

1.2 No. of permanent faculty with Ph.D.

39

1.3 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 |
| 11               |   |                      |   | 03         |   |        |   | 14    |   |

1.4 No. of Guest and Visiting faculty and Temporary faculty

16

1.5 Faculty participation in conferences and symposia:

| No. of Faculty   | International level | National level | State level |
|------------------|---------------------|----------------|-------------|
| Attended         | 51                  | 3              | 2           |
| Presented papers | 36                  | 1              | -           |
| Resource Persons | NA                  | -              | 4           |

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

- **Teaching-Learning Process and co-curricular**

- The Institute under Autonomous Structure adopted ICT based learning from the inception of the Autonomy. Previously, Audio Visual Teaching Aids were used selectively.
- IIT Bombay Remote Centre, Resource Center and IIT Chennai resourced QEEE Centre were established.
- The Institution will adopt a paradigm shift in teaching –learning by introducing “Flipped Learning” mandatorily.
- NPTEL Centre coordinated by IIT Kharagpur has been established.
- The Spoken tutorials are launched..coordinated by IIT Bombay.

- **Skill Development and Communication Initiative**

- The British Council Centre of Communication has been launched. The BCL membership is in place and efforts are on to launch “APTIS” module in the quest of betterment of communication skill.
- Number of Value addition Centres has been established to boost both the domain knowledge, skills and encouraging innovation.
- The Collaborative Learning and Innovation Centre (CLIC) by the Tata Technologies has been setup and students of core engineering are trained with State-of the Art Tools „public speaking“ ability.
- “Speaker’s Corner” is an initiative to provide the students platform to share their ideas and also to improve their communication skill.

- **Research and Innovation**

- The number of research projects through funding agencies multiples under autonomy. Innovations are encouraged to the extent under autonomous Framework.
- The Projects from Regulatory Bodies (like AICTE MODROB-RPS, UGC minor project) as well as from other agencies DST, CSIR were granted only under autonomous structure.
- CII innovation Centre has been setup. Number of workable patent are filed and expected to be commercialized after patents are granted
- Number of Value addition Centers has been established to boost both the domain knowledge, skills and encouraging innovation
- The Collaborative Learning and Innovation Centre (CLIC) by the Tata Technologies has been setup and students are trained with State-of the Art Tools

1.7 Total No. of actual teaching days during this academic year

188

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

- **Examination Reforms**

- The examination reforms took place under autonomous structure. This is different than MAKAUT structure
- AportionofthepapersettingandevaluationofscriptsisdoneexternallyfromleadUniversities / Institutions.
- Mandatory review of results by the BoE before results publication
- Results are also available online.
- On-line Class tests have been conducted.
- Continuous Performance Evaluation is made effective.

Efforts are on to conduct Flipped / Digital Evaluation and assessment

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

110

- All Departmental Committee members are part of BOS.
- 7-technolgoical disciplines each having a DC team-size around 15. All of them are member of BOS in addition to Expert members from University and Industry.

- All of them attended curriculum workshop organized at various times after obtaining autonomy (viz. NITTTR pedagogical workshop etc.), associated with restructuring / revision of syllabus.
- All the above information are applicable to UG autonomy as Academic autonomy was availed from the commencement of each and every PG courses.

1.10 Average percentage of attendance of students

79

1.11 Course/Programme wise distribution of pass percentage:

**2013 - 2017**

| Title of the Programme | Total no. of students appeared | Division      |     |       |      |        |
|------------------------|--------------------------------|---------------|-----|-------|------|--------|
|                        |                                | Distinction % | I % | II %  | III% | Pass % |
| CSE                    | 101                            | 22            | 9   | 1 (1) |      | 100    |
| IT                     | 18                             | 19            | 100 |       |      | 100    |
| ECE                    | 110                            | 40            | 100 |       |      | 100    |
| EIE                    | 10                             | 21            | 100 |       |      | 100    |
| EE                     | 100                            | 31            | 96  | 4     |      | 100    |
| BME                    | 18                             | 40            | 100 |       |      | 100    |
| ME                     | 120                            | 17            | 100 | 1     |      | 100    |

Distinction: above 75

1<sup>st</sup> Class: above 60

**2012 - 2016**

| Title of the Programme | Total no. of students appeared | Division    |     |       |     |      |
|------------------------|--------------------------------|-------------|-----|-------|-----|------|
|                        |                                | Distinction | I   | II    | III | Pass |
| CSE                    | 97                             | 22          | 99  | 1 (1) |     | 100  |
| IT                     | 27                             | 19          | 27  |       |     | 100  |
| ECE                    | 112                            | 40          | 112 |       |     | 100  |
| EIE                    | 24                             | 21          | 24  |       |     | 100  |
| EE                     | 104                            | 31          | 96  | 4     |     | 100  |
| BME                    | 20                             | 40          | 20  |       |     | 100  |
| ME                     | 138                            | 17          | 99  | 1     |     | 100  |
| CE                     | 143                            | 30          | 143 |       |     | 100  |

|       |    |     |    |  |  |     |
|-------|----|-----|----|--|--|-----|
| MCNT  | 8  | 100 | 8  |  |  | 100 |
| EDPS  | 7  | 71  | 7  |  |  | 100 |
| SE-IT | 1  | 100 | 1  |  |  | 100 |
| MCSE  | 4  | 75  | 4  |  |  | 100 |
| MAEIE | 3  | 67  | 3  |  |  | 100 |
| MBI   | 0  | 0   | 0  |  |  | 100 |
| MME   | 2  | 0   | 2  |  |  | 100 |
| NST   | 0  | 0   | 0  |  |  | 100 |
| MCA   | 37 | 35  | 37 |  |  | 100 |
| MBA   | 9  | 44  | 9  |  |  | 100 |

Distinction: above 75

1<sup>st</sup> Class: above 60

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

Course-coverage is monitored by HOD and reports the same to the Principal. Wherever, a deviation is observed, the HOD seeks clarification from the faculty member concerned and also connect Mentor. Special remedial class work is planned. The evaluation procedure for both theory and lab exams are kept transparent. The teacher issues answer scripts of the periodical tests to students and internal lab examinations with his / her comments. Discrepancies reported by any student are verified and necessary action is taken before the marks statement is finalized. When a student feels dissatisfied with marks allotted, he / she may seek the intervention of the HOD. If the problem still remains unaddressed, then the student may bring it to the attention of the principal. The mentoring programme and Continuous evaluation system continuously with regular academic process.

First year students are given Hand Book containing:

Academic Calendar, Class & Examination Schedules, Syllabus etc

The following information is given at the college website and Notice Boards,

- Statement of Vision and Mission
- Rules and regulations
- Anti Ragging Declarations and college facilities againstragging
- Necessary contact person's name with phone numbers.
- Events schedules

### 1.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i>                                | <i>Number of faculty benefitted</i> |
|------------------------------------------------------------------------------|-------------------------------------|
| Refresher courses                                                            | 1                                   |
| UGC – Faculty Improvement Programme                                          |                                     |
| HRD programmes                                                               | 03                                  |
| Orientation programmes                                                       | 01                                  |
| Faculty exchange programme                                                   |                                     |
| Staff training conducted by the university                                   | 03                                  |
| Staff training conducted by other institutions                               | 07                                  |
| Summer / Winter schools, Workshops, etc.                                     | 08                                  |
| Others (Seminars)<br>International Conference:1<br>International Symposium:1 | 12                                  |

### 1.14 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 | 32                            | 4                          | 0                                                    | 0                                      |
| Technical Staff      | 39                            | 1                          | 0                                                    | 0                                      |

## **Criterion – III**

### **3. Research, Consultancy and Extension**

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

Enhancement of R&D and institutional consultancy activities:

Area: Number of research projects by the faculty individually, jointly and collaboratively. Expected outcome of each project

- Submission of maximum no. of projects to the funding authorities throughout the year with a projected plan along with budget
- Getting DSIR certification for getting project funding from funding agencies like DBT.
- Setting up various MOUs with reputed Industries and emphasis to be given on solving live problems of the Industry as R&D problem.
- Mini-projects/Innovative experiments need to be introduced at each of UG level practical course with an objective to nurture the innovative mindset of the students and produce future generation researchers.
- To make some of the PG projects interdisciplinary in nature. Where, active participation and knowledge sharing across the departments become possible.
- Annual R&D news may be published to highlight achievements in various sectors of research and development across the discipline.

Area: Research papers publication

- Emphasis on interdisciplinary research work.
- Motivate young faculty members more on R&D publication in good quality journals.
- Involve, PG students in the process of publication.

Area: Organization of in house seminar conferences

- 1 National, 2 Regional, 4 Institutional Seminar should be organised per department per annum.
- At least 1 International Conference should be organised per annum

Area: Patenting of R&D work

- More patent proposal to be submitted
- R&D cell may organize one workshop on issues related to patenting; which will highlight the entire process of patenting R&D achievements and related rules.

Area: State of the R&D software

- Procurement of more quality R&D centric software packages depending on the availability of funding.

Area: Qualification up gradation (National/International)

- Support paper publication only in SCI indexed journals.
- Motivate young faculty members in PhD enrolment.
- The Institute has been already selected as the centre for conducting PhD course work. Proper utilization of this opportunity as well as develop a perfect platform for quality up gradation from the Institute itself.

Area: Subject knowledge and research competence up gradation (National/International) and Participation in seminars, conference, workshop (National/International)

- Emphasis on larger participation of faculty members in seminar/conference within the Country.
- Special emphasis on paper presentation and Invited talk rather than only participation.

Area: Institutional Management Capacity enhancement

- Motivate more senior faculty members in events related to Management Capacity Enhancement.
- Motivate middle level faculty members in participating workshops on „Outcome based system“.
- The number of research projects through funding agencies multiples under autonomy. Innovations are encouraged to the extent under autonomous Framework.
- The Projects from Regulatory Bodies (like AICTE MODROB-RPS, UGC minor project) as well as from other agencies DST, CSIR were granted only under autonomous structure.
- CII innovation Centre has been setup. Number of workable patent are filed and expected to be commercialized after patents are granted
- Number of Value addition Centers has been established to boost both the domain knowledge, skills and encouraging innovation

The Collaborative Learning and Innovation Centre (CLIC) by the Tata Technologies has been setup and students are trained with State-of the Art Tools.

Details regarding major projects

|                     | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number              | 6         | 1       |            | 23        |
| Outlay in Rs. Lakhs | 30.94     | 14.64   |            | 366.937   |

Note: UGC major projects are not applied yet.

Details regarding minor projects

|                     | Completed | Ongoing             | Sanctioned | Submitted |
|---------------------|-----------|---------------------|------------|-----------|
| Number              |           | 16                  |            |           |
| Outlay in Rs. Lakhs |           | INR<br>5,270,000.00 |            |           |



### List of funded projects

| Sl. No | Title of the Project                                                                                                | Granting Authority | Letter No.                                    | Amount of Grant | Principal Investigator or equivalent |
|--------|---------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------|-----------------|--------------------------------------|
| 1      | Carrier Award for Young Teachers (CAYT)                                                                             | AICTE (CAYT)       | 11-45/RIFD/CAYT/ POL-I/2014-15 dt. 16.03.2015 | --              | PI: Dr. Biswarup Neogi               |
| 2      | A spirometric study on smokers and non-smokers engineering students                                                 | UGC (Minor)        | PSW -191/14-15(ERO)dt. 03.02.2015             | --              | PI: Mr. Souvik Das                   |
| 3      | Diagnosis of H dieses Using QRS Complex detection                                                                   | UGC (Minor)        | PSW -199/14-15(ERO) dt. 03.02.2015            | --              | PI: Sayanthi Chattopadhyay           |
| 4      | Design approach of sophisticated computational and cyber interaction for several types of cerebral palsy patient    | UGC (Minor)        | PSW -194/14-15(ERO) dt. 03.02.2015            | --              | PI: Dr. Biswarup Neogi               |
| 5      | Bandwidth and gain enhancement of micro strip antenna                                                               | UGC (Minor)        | PSW -195/14-15(ERO) dt. 03.02.2015            | --              | PI: Indranath Sarkar                 |
| 6      | Low cost RFID based automatics DAS and PD in pub transport                                                          | UGC (Minor)        | PSW -192/14-15(ERO) dt. 03.02.2015            | --              | PI: Anirban Patra                    |
| 7      | Modeling and validation of radio signal attndure to tropical cloud.                                                 | UGC (Minor)        | PSW -193/14-15(ERO) dt. 03.02.2015            | --              | PI: Swastika Chakraborty             |
| 8      | Methodology for unique identification using ste. Ret. Image                                                         | UGC (Minor)        | PSW -190/14-15(ERO) dt. 03.02.2015            | --              | PI: Moumita Paul                     |
| 9      | Androgen: An android approach to restore ability, productivity and agibility of old people                          | UGC (Minor)        | PSW-199/14-15                                 | --              | PI:Mr. Soham Sengupta                |
| 10     | Segmentation Based Clustering and Graphical Approaches for Detecting Stages of Colon Cancer                         | UGC (Minor)        | PSW-198/14-15                                 | --              | PI: Ms. Debasree Mitra               |
| 11     | Rural Health Care Development Using Vehicular and Sensor Network                                                    | UGC (Minor)        | PSW-197/14-15                                 | --              | PI: Suparna Dasgupta                 |
| 12     | Effect of Strained Silicon in Low Power Low Voltage High Speed Circuit Design                                       | UGC (Minor)        | PSW-196/14-15 (ERO)                           | --              | PI: Mr. Prolay Ghosh                 |
| 13     | Development of cost effective real time acquisition, processing, analyzing and monitoring system of bio-signals for | UGC (Minor)        | PSW-182/13-14 dt 02-09-2014                   | --              | PI: Dr. Meghmala Dutta               |

|    |                                                                                                   |             |                                                                         |    |                              |
|----|---------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------|----|------------------------------|
|    | non-invasive diagnosis and prediction of cardiovascular abnormalities.                            |             |                                                                         |    |                              |
| 14 | Development of Bone Paste from Waste Egg-Shell for Bone Grafting                                  | UGC (Minor) | PSW-191/13-14 dt 02-09-2014                                             | -- | PI: Dr. Sandip Bag           |
| 15 | Development of database on electronic referrals for health care in West Bengal                    | UGC (Minor) | PSW-185/13-14 dt 02-09-2014                                             | -- | PI: Dr. Suvronil Som         |
| 16 | Synthesis of Silver Bionanocomposit through reduction route                                       | UGC (Minor) | PSW-183/13-14 dt 02-09-2014                                             | -- | PI: Mr. Tanmoy Dutta         |
| 17 | Study of arsenic removal from contaminated water through solid membrane                           | UGC (Minor) | PSW-188/13-14 dt 02-09-2014                                             | -- | PI: Mrs. Trina Dutta         |
| 18 | The cognitive mechatronic fire extinguisher vehicle with obstracle detection an bypass            | UGC (Minor) | PSW-187/13-14 dt 02-09-2014                                             | -- | PI:Mr. Sumanta Chatterjee    |
| 19 | Design of an interhuman unimodal biometric authentication system.                                 | UGC (Minor) | PSW-192/13-14 dt 02-09-2014                                             | -- | PI: Monalisa Dey             |
| 20 | FPGA Based Implementation of a MAC unit for Digital Signal Processors                             | UGC (Minor) | PSW-186/13-14 dt 02-09-2014                                             | -- | PI: Satrughna Singha         |
| 21 | Computational Studies on Novel Channel Materials for MOSFET Applications                          | UGC (Minor) | PSW-189/13-14 (ERO) ID NO. SFWBUT-002 Date: 19 August 2014 - 2 Sep 2014 | -- | PI: Dr. Swagata Bhattacharya |
| 22 | Metal free ferromagnets and their potential applications as spintronic device: An in silico study | UGC (Minor) | PSW-190/13-14 (ERO) ID NO. SFWBUT-002 Date: 19 August 2014 - 2 Sep 2014 | -- | PI: Dr. Sabyasachi Sen       |

|    |                                                                                                                                                |             |                                                            |          |                                              |
|----|------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|----------|----------------------------------------------|
| 23 | Design & Development of a Cardiac parameter Monitoring System using common mobile phone for affordable patient care                            | AICTE (RPS) | 20/AICTE/RIF D/RPS (Policy-1)32/2013-14                    | --       | PI: Dr. Meghmala Dutta & Dr. Somsubhra Gupta |
| 24 | Produce the knowledge based database of electromyography (EMG) signal to enrich the interpretation technique for different human arm movement. | AICTE (RPS) | 20/AICTE/RIF D/RPS(Policy-IV)24/2012-13 dt. March 16, 2014 | --       | PI: Dr. Biswarup Neogi                       |
| 25 | Solar Photovoltaic hybridization with usual grid to compensate peak load demand at JIS College of Engineering Kalyani.                         | AICTE (RPS) | 20/AICTE/RIF D/RPS(Policy-IV)24/2012-13 dt. March 16, 2014 | ---      | PI: Rakesh Naskar                            |
| 26 | Natural language processor incorporating auto-debugger under the framework of machine intelligence.                                            | AICTE (RPS) | 20/AICTE/RIF D/RPS (POLICY-1) 33/2013-14                   | ---      | PI: Dr. Somsubhra Gupta                      |
| 27 | 'In silico design of novel molecular spintronic devices through nonequilibrium Green's function technique'                                     | CSIR        | 03(1256)/12/E MR-II Dated:06-11-2012]                      | 9.54043  | PI: Dr. Sabyasachi Sen                       |
| 28 | Swami Vivekananda Chair                                                                                                                        | JIS Group   | --                                                         | 5.64     | Prof. A. Guha                                |
| 29 | Dr. A. P. J. Abdulkalam Chair                                                                                                                  | JIS Group   | --                                                         | 12.07422 | Prof. A. B. Samaddar                         |
| 30 | TEQIP-II Grant Sub Comp. 1.2                                                                                                                   | NPIU        | --                                                         | 100      | Institutional                                |

Details on research publications

|                          | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals     | 67            | 02       |        |
| Non-Peer Review Journals |               |          |        |

|                        |    |    |  |
|------------------------|----|----|--|
| e-Journals             |    |    |  |
| Conference proceedings | 33 | 01 |  |

Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

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                                                                 | 2016-2017     | CSIR                       | 9.54 lakhs             | -        |
| Minor Projects                                                                 | 2015-17       | UGC                        |                        | -        |
| Interdisciplinary Projects                                                     |               |                            |                        |          |
| Industry sponsored                                                             |               |                            |                        |          |
| Projects sponsored by the University/ College                                  | 2016-17       | JIS Group                  | 17.71422 lakhs         |          |
| Students research projects<br><i>(other than compulsory by the University)</i> |               |                            |                        |          |
| Any other(Specify)                                                             | 2016-17       | NPIU                       | 100 lakhs              |          |
| Total                                                                          |               |                            |                        |          |

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

ii) Without ISBN No.

No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

For colleges Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

Revenue generated through consultancy

20.60621 lakhs

No. of conferences organized by the Institution

| Level               | International | National | State | University | College |
|---------------------|---------------|----------|-------|------------|---------|
| Number              | 01            | 0        |       |            |         |
| Sponsoring agencies | TEQIP         |          |       |            |         |

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

No. of collaborations

International

09

National

166

Any other

No. of linkages created during this year

Total budget for research for current year in lakhs: **14.52450 lakhs**

From Funding agency

✓

From Management of University/College

✓

Total

**14.52450 lakhs**

No. of patents received this year

| Type of Patent |         | Number        |
|----------------|---------|---------------|
| National       | Applied | 12            |
|                | Granted | All published |
| International  | Applied |               |
|                | Granted |               |
| Commercialized | Applied | 02            |
|                | Granted | Two licensed  |

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

| Total | International | National | State | University | Dist | College |
|-------|---------------|----------|-------|------------|------|---------|
| 17    |               | 17       |       |            |      |         |

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

No. of Ph.D. awarded by faculty from the Institution

0

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

JRF

SRF

1

Project Fellows

Any other

No. of students Participated in NSS events:

|                  |      |                     |  |
|------------------|------|---------------------|--|
| University level | 8622 | State level         |  |
| National level   |      | International level |  |

No. of students participated in NCC events:

|                  |      |                     |  |
|------------------|------|---------------------|--|
| University level | 1371 | State level         |  |
| National level   |      | International level |  |

No. of Awards won in NSS:

|                  |  |                     |  |
|------------------|--|---------------------|--|
| University level |  | State level         |  |
| National level   |  | International level |  |

No. of Awards won in NCC:

|                  |    |                     |    |
|------------------|----|---------------------|----|
| University level |    | State level         | 01 |
| National level   | 03 | International level | 02 |

No. of Extension activities organized

|                  |    |               |    |                   |  |
|------------------|----|---------------|----|-------------------|--|
| University forum |    | College forum | 10 | (Club activities) |  |
| NCC              | 12 | NSS           | 31 | Any other         |  |

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

- Special emphasis on Club Activities under autonomous framework
- Different clubs viz. Engineering Modelling Club, Science Club, Literature Club, Photography Club setup after obtaining Autonomy.
- Corporate Social responsibility (CSR) programs through Community Connect Club are a regular practice.
- Various Sports and Cultural tournaments conduction and participation by the students is a regular activity after obtaining autonomy.

Institutional Social Responsibility:

- Visit to Old age home and program through Community Connect Club
- Visit to Orphanage Home
- Visit to School and donate accessories
- Arsenic Awareness Camp

## Criterion – IV

### 2. Infrastructure and Learning Resources

#### 2.1 Details of increase in infrastructure facilities:

| Facilities                                                                        | Existing | Newly created | Source of Fund | Total |
|-----------------------------------------------------------------------------------|----------|---------------|----------------|-------|
| Campus area                                                                       | 17.5     |               |                |       |
| Class rooms                                                                       | 82       | 7 smart rooms |                |       |
| Laboratories                                                                      | 72       |               |                |       |
| Seminar Halls                                                                     | 9        |               |                |       |
| No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year. | 6        |               |                |       |
| Value of the equipment purchased during the year (Rs. in Lakhs)                   | 48       |               |                |       |
| Others                                                                            |          |               |                |       |

\*\* QEEE Server and IBM server, ECG machine etc. in RPS.

#### 2.2 Computerization of administration and library:

Electronic resources:

E-Books:

Central Library-JISCE subscribed 640 e-books package of IEEE-Wiley. In College campus all around it is visible in IEEE's website. Users may download, print and read.

E-Journals:

Being a self supported member of the AICTE-INDEST Consortium (Since January, 2007), online access facility to IEEE/IEE Electronics Library (IEL Online) The IEEE ASPP provides access to IEEE's core collection of technology journals. With peer-reviewed publications concentrating on theoretical and experimental papers, as well as practical applications in research, design, and specification, ASPP offers valuable research on a variety of topics. which includes:

179 IEEE online society-sponsored journals, transactions, and magazines

Institutional Digital Repository: JIS College of Engineering:

Link is: <http://172.17.80.5:8080/jspui/>

JIS College of Engineering, Central library setup a repository to management of e-resource.

Repository has following category of documents:

Conference Proceeding Course Material E-Books E-Journals Faculty Publication Lecture Note NPTEL Wireless Communication Online Course Video Lectures – IIT Delhi-NPTEL Question Papers Tutorials Video Lectures

1700 document has been digitized and uploaded into digital library. It should be accessible to around the college campus.

### Library Automation:

The integrated library management software (LibSys) was procured in 2004. The preparation of database for books, loose issues of journals (retro-conversion) and membership (or users database) using this software has already been completed. The addition of books and other learning materials are being entered regularly in to the system to make the library database comprehensive and up-to-date. The charging and discharging of books to faculty members and students are being done using this system is continued. The library has already procured and installed a high-end IBM computer server with redundant power supply for smooth operation of the library management system (LibSys) and safe archival of library database. This state-of-the-art server increases the database security. As a result, it reduces the chance of system failure leading to loss of data.

### 2.3 Library services:

At present, the library has more than **88,092** copies of books, **6,080 titles** and 2,900CD-ROMs in its collection besides it subscribes 121 (108+13) printed journals.

| Course                                                                                                                                   | Academic Year | Subject                                   | Number of titles | Number of volumes | National Journals (Printed) | International Journals (Printed) | E-Journals                      |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------|------------------|-------------------|-----------------------------|----------------------------------|---------------------------------|
| <u>B.TECH IN:</u><br><br>CSE, IT, EE, EIE, ECE, ME, BME, CE<br><u>M.TECH IN:</u><br><br>EDPS, MCNT, MCSE, SE<br><br>MCA & MBA<br><br>DEE | 2016-17       | Computer science & Information Technology | 1262             | 14,150            | 108                         | 13                               | 208 Title in IEEE               |
|                                                                                                                                          |               | Computer Application (CA)                 | 227              | 4,460             |                             |                                  | Member of AICTE                 |
|                                                                                                                                          |               | Electrical engineering                    | 213              | 9,138             |                             |                                  | INDEST Consortium and subscribe |
|                                                                                                                                          |               | Electronics & Instrumentation engineering | 195              | 5,163             |                             |                                  | IEL Online                      |
|                                                                                                                                          |               | Electronics & Communication Engineering   | 606              | 9,075             |                             |                                  |                                 |
|                                                                                                                                          |               | Chemistry, Bio-science & EVS engineering  | 368              | 4,811             |                             |                                  |                                 |
|                                                                                                                                          |               | Mechanical engineering                    | 517              | 8,249             |                             |                                  |                                 |
|                                                                                                                                          |               | Civil Engineering                         | 105              | 4,508             |                             |                                  |                                 |
|                                                                                                                                          |               | Humanities                                | 210              | 2,725             |                             |                                  |                                 |
|                                                                                                                                          |               | Mathematics                               | 358              | 5,269             |                             |                                  |                                 |
|                                                                                                                                          |               | Physics                                   | 195              | 5,619             |                             |                                  |                                 |
|                                                                                                                                          |               | Management                                | 1310             | 10,088            |                             |                                  |                                 |
|                                                                                                                                          |               | M.Tech                                    | 490              | 4,096             |                             |                                  |                                 |
|                                                                                                                                          |               | Electrical Diploma                        | 24               | 741               |                             |                                  |                                 |
|                                                                                                                                          |               | <b>TOTAL</b>                              | <b>6,080</b>     | <b>88,092</b>     |                             |                                  |                                 |



## 2.4 Technology up gradation(overall)

|          | Total Computers | Computer Labs | Internet        | Browsing Centres | Computer Centres | Office | Departments             | Others |
|----------|-----------------|---------------|-----------------|------------------|------------------|--------|-------------------------|--------|
| Existing | 850             | 12            | 50 mbps railtel | Yes              | Yes              |        | All UG , PG and Diploma |        |
| Added    |                 |               |                 |                  |                  |        |                         |        |
| Total    | 850             |               |                 |                  |                  |        |                         |        |

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- Number of computing systems with different computational environment viz. Client Sever, N-computing, Cloud etc.</li> <li>- Internet connection of 50 mbps (Railtel) and emergency admin connection through BSNL</li> <li>- Training to teachers through live classes in Smart Classrooms via IIT-NMEICT ISTE workshops in the summer and winter. JISCE is an remote centre(RC-1335)</li> <li>- Design Lab certification to the students via online exam under IIT-MHRD framework</li> <li>- Technology up-gradation in various operations like payroll management, biometric employee attendance, material requisition etc.</li> <li>- Technology up-gradation in research viz. Solar Light installation via RPS project</li> <li>- Wi-fi enabled audio visual Project presentation Lab for skill enhancement</li> <li>- State of art Language Lab</li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 2.6 Amount spent on maintenance in lakhs: (2016-17)

|                                          |       |
|------------------------------------------|-------|
| i) ICT                                   | 12.51 |
| ii) Campus Infrastructure and facilities | 7.08  |
| iii) Equipments                          | 17    |
| iv) Others                               |       |
| <b>Total:</b>                            | 36.59 |

## Criterion – V

### 3. Student Support and Progression

#### 3.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Students representative In IQAC
- IQAC instrumental in formulation of Students Life Centre. A total of 11 club activities are there for the students
- Sports Club, Science Club, Engineering Modelling Club, Mathematics Club, Photography and Trekking Club, Literature club are few illustration.
- Internal Quality Assurance Cell formulated the appraisal through stakeholders feedback in assessing students support.

#### 3.2 Efforts made by the institution for tracking the progression

- Monitoring and evaluation
- Mentoring
- Appraisal
- Feedback
- Continuous performance evaluation

#### 3.3 (a) Total Number of students

| UG   | PG | Ph. D. | Others |
|------|----|--------|--------|
| 2661 |    | -      | -      |

#### (b) No. of students outside the state

160

#### (c) No. of international students

08

|     |    |  |       |    |  |
|-----|----|--|-------|----|--|
| Men | No |  | Women | No |  |
|     | 06 |  |       | 02 |  |

| Last Year |    |    |     |                       |       | This Year |    |    |     |                       |       |
|-----------|----|----|-----|-----------------------|-------|-----------|----|----|-----|-----------------------|-------|
| General   | SC | ST | OBC | Physically Challenged | Total | General   | SC | ST | OBC | Physically Challenged | Total |
| 346       | 58 | 3  | 70  |                       | 477   | 365       | 64 | 8  | 103 |                       | 540   |

2015-16

Demand ratio

2016-17

Dropout

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

- GATE Coaching for the student
- Coaching for GMAT/CAT
- Aptitude training by Professional House for Competitive exams.

No. of students beneficiaries

450

### 3.5 No. of students qualified in these examinations

NET

SET/SLET

GATE

05

CAT

01

IAS/IP Setc

State PSC

03

UPSC

Others

### 3.6 Details of student counseling and career guidance

- Students counseling are done in multiple platforms viz. departments through mentorship program
- Domain Specific training
- Aptitude training as Career guidance via Placement Cell
- Via TEQIP Equity Action Program etc.

No. of students benefitted

699

### 3.7 Details of campus placement

| <i>On campus</i>                |                                 |                           | <i>Off Campus</i>         |  |
|---------------------------------|---------------------------------|---------------------------|---------------------------|--|
| Number of Organizations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |  |
| 42                              | 650                             | 551                       | 52                        |  |

### 3.8 Details of gender sensitization programmes

- Gender sensitization is taken into account in right from admission to equity action plan so as to ensure a balanced ratio between male-female.
- Institutional Women Cell is instrumental in hosting awareness programme
- The equity factor is evident at objective of the institution in treating everyone equally

### 3.9 Students Activities

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

(Cricket, Tech Symposium, other Tech Fest, AICTE Hackathon, NPTEL)

State / University level

160

National level

35

International level

No. of students participated in cultural events

(College events, Book Fair)

State/University level

125

National level

15

International level

30

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

State/University level **13** National level **-** International level **1**

Cultural: State/ University level **26** National level **2** International level **4**

| Year      | Name of the award/ medal | Team / Individual | inter-university / state / National/ International | Name of the event                                                                | Name of the student |
|-----------|--------------------------|-------------------|----------------------------------------------------|----------------------------------------------------------------------------------|---------------------|
| 2016-2017 | Winner                   | Team              | Inter-University                                   | Cricket Premier League 2016                                                      | JISCE Cricket Team  |
| 2016-2017 | Winner                   | Team              | Inter-University                                   | KCEM Challengers Cricket Tournament 2017                                         | JISCE Cricket Team  |
| 2016-2017 | Runner Up                | Individual        | Inter-University                                   | Inter College Zone-3 Table Tennis Tournament 2017                                | Sagir Hussain       |
| 2016-2017 | Runner Up                | Team              | Inter-University                                   | BBIT CHAMPION'S TROPHY 2017                                                      | JISCE Cricket Team  |
| 2016-2017 | Runner Up                | Team              | Inter-University                                   | 4TH SARDAR JODH SINGH CHALLENGERS TROPHY 2019                                    | JISCE Cricket Team  |
| 2016-2017 | 1 <sup>st</sup>          | Individual        | Inter-University                                   | IDEAL INSTITUTE OF ENGINEERING Inter College Sports Meet 2017: Javeline Throwing | Sayantan Halder     |
| 2016-2017 | 2 <sup>nd</sup>          | Individual        | Inter-University                                   | IDEAL INSTITUTE OF ENGINEERING Inter College Sports Meet 2017: Run 1600          | Rup Saha            |
| 2016-2017 | 3 <sup>rd</sup>          | Individual        | Inter-University                                   | IDEAL INSTITUTE OF ENGINEERING Inter College Sports Meet 2017: Shot Put          | Vivek Kumar         |
| 2016-2017 | Winner                   | Individual        | Inter-University                                   | Inter College Zone-3 Football Tournament Tournament 2017                         | JISCE Football Team |
| 2016-2017 | Runner Up                | Individual        | Inter-University                                   | MAKAUT Inter College Zone-3 Chess Chamoinship 2016                               | Ekta Singh          |
| 2016-2017 | 3 <sup>rd</sup>          | Individual        | International                                      | GIS Map making Competition: Education camp & Study Tour 2017 AIT, Thailand       | AnjanChatterjee     |
| 2016-2017 | 1 <sup>st</sup>          | Individual        | International                                      | GPS Pack Rat Game: Education camp & Study Tour 2017 AIT, Thailand                | Nihal Gupta         |
| 2016-     | 1 <sup>st</sup>          | Individual        | Inter-University                                   | AamarDurga Puja Photography                                                      | RatulSark           |

|           |                   |            |                  |                                                                                 |                     |
|-----------|-------------------|------------|------------------|---------------------------------------------------------------------------------|---------------------|
| 2017      |                   |            |                  | Contest 2017                                                                    | ar                  |
| 2016-2017 | Winner            | Team       | Inter-University | STCET: Inter College Football Tournament 2017                                   | JISCE Football Team |
| 2016-2017 | Winner            | Team       | Inter-University | STCET: Inter College Cricket Tournament 2017                                    | JISCE Cricket Team  |
| 2016-2017 | Winner            | Team       | Inter-University | KCEM Challengers Football Tournament 2017                                       | JISCE Football Team |
| 2016-2017 | 2 <sup>nd</sup>   | Individual | International    | Solo Vocal Competition: Education camp & Study Tour 2017 AIT, Thailand          | Sanjit Kumar Ray    |
| 2016-2017 | 2 <sup>nd</sup>   | Individual | International    | Dance Competition: Education camp & Study Tour 2017 AIT, Thailand               | Sucharita Maity     |
| 2016-2017 | Winner            | Individual | National         | 61st National Shooting Championship Competition Rifle 2017 10M Rifle Men (ISSF) | Shubankar Mahapatra |
| 2016-2017 | 1 <sup>st</sup>   | Individual | Inter-University | NITMAS Impulse 17: Mime Artist                                                  | Pallabi Giri        |
| 2016-2017 | 2 <sup>nd</sup>   | Individual | State            | Editing Contest by Lenses and Mirrors 2017                                      | Sayan Acharjee      |
| 2016-2017 | 3 <sup>rd</sup>   | Individual | Inter-University | NITMAS Impulse 17: Solo Song                                                    | Sreeja Chowdhury    |
| 2016-2017 | 1 <sup>st</sup>   | Individual | Inter-University | IDEAL Institute of Engineering :Inter College Cultural Meet 2017                | Arpan Hazra         |
| 2016-2017 | 3 <sup>rd</sup>   | Individual | Inter-University | IDEAL Institute of Engineering :Inter College Cultural Meet 2017                | Soumita Mondal      |
| 2016-2017 | 2 <sup>nd</sup>   | Individual | Inter-University | NITMAS Impulse 17: Musical Instruments                                          | Shaswata Mitra      |
| 2016-2017 | Lifestyle Diva    | Individual | National         | Miss India Khadi                                                                | Mou Chatterjee      |
| 2016-2017 | Miss Fashion Icon | Individual | National         | Miss India Khadi                                                                | Mou Chatterjee      |
| 2016-2017 | 2nd               | Individual | Inter-University | JISTech2k17:Wall Magazine Competition                                           | Anjali Gupta        |
| 2016-2017 | 1st               | Individual | Inter-University | JISTech2k17: Sand Art Competition                                               | Udita Shukla        |
| 2016-2017 | 3rd               | Individual | Inter-University | JISTech2k17:Video Making Competition                                            | Pooja Das           |
| 2016-2017 | 3rd               | Individual | Inter-University | JISTech2k17: Gamezone                                                           | Tanisa Mallik       |

|           |                 |            |                  |                                        |                     |
|-----------|-----------------|------------|------------------|----------------------------------------|---------------------|
| 2016-2017 | 2nd             | Individual | Inter-University | JISTech2k17:Video Making Competition   | Nandani             |
| 2016-2017 | 1st             | Individual | Inter-University | JISTech2k17:Wall Magazine Competition  | Anjali Gupta        |
| 2016-2017 | 2nd             | Individual | Inter-University | JISTech2k17: Hand Craft                | Souvik Banerjee     |
| 2016-2017 | 1st             | Individual | Inter-University | JISTech2k17: Debate Competition        | SoumyaGargari       |
| 2016-2017 | 1st             | Individual | Inter-University | JISTech2k17: Wall Magazine Competition | Soumyadi pChaudhury |
| 2016-2017 | 3rd             | Individual | Inter-University | JISTech2k17: Poetry Competition        | Nandani             |
| 2016-2017 | 2nd             | Individual | Inter-University | JISTech2k17: Sand Art Competition      | Subham Mukherjee    |
| 2016-2017 | 1st             | Individual | Inter-University | JISTech2k17:Photography Competition    | AnandarupGhosh      |
| 2016-2017 | 2nd             | Individual | Inter-University | JISTech2k17:Photography Competition    | AnantaMandal        |
| 2016-2017 | 3rd             | Individual | Inter-University | JISTech2k17: Poetry Competition        | SubhamyChakraborty  |
| 2016-2017 | 3rd             | Individual | Inter-University | JISTech2k17:Photography Competition    | AdityaGangopadhyay  |
| 2016-2017 | 1st             | Individual | Inter-University | JISTech2k17:TechTalk Competition       | Soumalya Ghosh      |
| 2016-2017 | 2nd             | Individual | Inter-University | JISTech2k17: Creative Art Contest      | Ankan Banerjee      |
| 2016-2017 | 2 <sup>nd</sup> | Individual | Inter-University | Parachute Oil Confident Aami 2017      | DoyeliChakraborty   |
| 2016-2017 | 3 <sup>rd</sup> | Individual | Inter-University | Parachute Oil Confident Aami 2017      | Oindrila Banerjee   |

### 3.10 Scholarships and Financial Support

|                                      | Number of students | Amount (in lacs) |
|--------------------------------------|--------------------|------------------|
| Financial support from institution   | 90                 | 25.25            |
| Financial support from government    | 510                | 228.37           |
| Financial support from other sources | 0                  | 0                |

|                                                                                                      |                   |
|------------------------------------------------------------------------------------------------------|-------------------|
| Number of students who received International/ National recognitions (TEQIP scholarship –world bank) | Included in Govt. |
|------------------------------------------------------------------------------------------------------|-------------------|

3.11 Student organised /initiatives

Fairs : State/University level  National level  International level

Exhibition: State/University level  National level  International level

3.12 No. of social initiatives undertaken by the students

3.13 Major grievances of students (if any) redressed: \_\_\_\_\_

## Criterion – VI

### **4. Governance, Leadership and Management**

#### 4.1 State the Vision and Mission of the institution

##### Vision

Our Vision is to generate a stimulating academic environment for higher learning and to bring about a harmonious development of personality among the students by fostering leadership values and importing high degree of professional skills.

##### Mission

Our mission is to provide excellent educational infrastructure and academic ambience conducive to higher learning by setting up centers of excellence and instill a sense of ethics and value system among the students. We are committed to provide opportunities to the students to develop their full potential and professional growth and to spread the light of higher education.

#### 4.2 Does the Institution has a Management Information System

Yes. The following activity heads are maintained through MIS:

9. Accounts and financial works
10. Store and material requisition
11. Staff attendance biometric and leave approval
12. Library and information science (through libsys)

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

##### 6.3.1 Curriculum Development

1. Institutional objective must be reflected in departmental programme educational objective(PEO).
2. Stakeholders (student, guardian, alumni, employer) feedback must be taken and analysed before framing out the syllabus.
3. The BOS of all technological departments must take into account the Institutional Vision, Mission and objective and frame the Curriculum accordingly.
4. The credit range has been suggested
5. There should be a balance between professional core, professional elective and free electives with basic science, engineering science and humanities subjects.
6. Curriculum must be outcome based
7. Attainment parameters and measurement of outcome has to be given immense



### 6.3.2 Teaching and Learning

Improving existing teaching method by adopting a mix of new techniques-

1. Lecture method- interactive technique-case study- tv commercials
2. Simulation – problem based learning
3. Group discussion- picture prompt- individual presentation-tournament –role play
4. Assignment
5. Workshops
6. Brainstorming
7. Learning by doing –web based instruction etc..

### 6.3.3 Examination and Evaluation

The following reforms has been made –

- Class tests has been conducted online
- Each course syllabus has been parted in to Section A, Section-B. One part is set internally and another part externally from lead Universities / institutions of the state in the case of UG.
- In PG, half of the papers are set externally and remaining half internally from the lead Universities /Institutions.
- Evaluation and result declaration timeline is set within 1month.
- Maintaining Evaluation standard has been given high priority

### 6.3.4 Research and Development

Research is the key factor in the institutional identity and overall grading and rating of the institution. Innovative research gives recognition to an institute. On the contrary, institute which are weak in research become dependent on the outside supply of the knowledge. Faculty members of JISCE shall involve in conduction and publication of quality research.

- To facilitate improvement in research quality
- To publicize programme strengths to attract top students, faculty and funding
- To identify potential research collaborators
- To make more rational and strategic resource allocation decision.

Following research benchmarking criterion has been introduced:

- Number o highly cited researchers in the institute
- Academic performance per faculty
- Total articles in reputed journals
- Number of citations
- H-index of institute and individual faculty members
- International collaborations
- Number of patents granted and files... soon.

### 6.3.5 Library, ICT and physical infrastructure /instrumentation

Recommendation for library includes:

- Online library management systems.
- Enough reading time beyond official hour.
- Consistent inclusion of quality Books and Journals from time to time.
- Subscription to high-end e-journal repository like IEEE IEL or Springer link to aid researchers.
- Opening up e-library segment and gradually converting it to digital library
- Lecture videos and web lecture repositories.
- Availability of the text books in the Book bank section.
- Grow reading culture of text and reference books.

Recommendation for infrastructure:

- Procurement of equipments in traditional engineering in a regular interval. Keeping focus on modernization and removal of obsolescence
- Computing departments will have enough resources in terms of High end equipments like Server, internet Servers, PCs ETC.. Timely up gradation f the same.
- Regular incorporation of instrument tool kit in electronics and allied fields.
- Incorporation of equipments/ instruments through research projects RPS etc.
- For quality and standard of utilization with a slogan “Lab to land”, implemented successfully through a research project in which Solar lights are successfully installed.

### 6.3.6 Human Resource Management

Recommendations are as follows:

- Identify people intended towards teaching, training and learning and to setting the benchmark for best performance from them.
- Encourage strong Faculty and Staff development Plan so as to train them strongly in domain knowledge and pedagogical aspects.
- Identifying people have strong research potential and scholarly attitude and encourage them to attract funding agencies and apply research projects
- Encourage hosting International and National Conference so as to enhance reputation of the institution.
- Identify people with leadership skills
- Groom them with administrative responsibilities.
- Find people with strong co-curricular/ extra-curricular skills and encourage them to organize sports/ social cultural events etc.

### 6.3.7 Faculty and Staff recruitment

By following the recruitment policy of the JIS Group to which the Institution belongs. There are steps like paper advertisements, conducting interviews by the eminent professors from lead universities / institutions etc.

### 6.3.8 Industry Interaction /Collaboration

The Industry Institute Partnership cell (IIPC) is instrumental in keeping strong bonding with Industry. Few illustrations are Microsoft faculty Connection, IBM TGMC, Infosys Campus Connect, collaboration with Texas Instruments etc.

Recommendations are –

- Direct involvement of industry personnel in framing out autonomous curriculum syllabus to make role-ready, industry ready engineers.
- Industry personnel in Board of Studies of the departments
- Industry representative in Academic Council
- Industrial training/ visits for the students with faculty coordinators
- Industry sponsored projects /electives
- Industry sponsored research
- Skill orientation programme of the students directly by the Industry experts.
- Industry members in maintaining quality / standard i.e. In IQAC Etc.

Students successfully achieve prize in Industrial events like SOA(TCS), Transition (CTS), Aspiration (Infy) etc..

### 6.3.9 Admission of Students

Being a Engineering College in the State and autonomous institution affiliated to State University, it strictly adhere to admission policies of WBJEE Board through JEE(main), WBJEE, AMPAI and other statutory provisions.

### 4.4 Welfare schemes for

|              |                                          |
|--------------|------------------------------------------|
| Teaching     | Fast track increment/ promotion          |
| Non teaching | Same                                     |
| Students     | Recognition / Prize for the achievements |

### 4.5 Total corpus fund generated

Rs. 8069659.08

### 4.6 Whether annual financial audit has been done

Yes

☒

No

☐

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

| Audit Type     | External |                                     | Internal |           |
|----------------|----------|-------------------------------------|----------|-----------|
|                | Yes / No | Agency                              | Yes / No | Authority |
| Academic       | Yes      | Advisor,<br>NIT Agartala            |          |           |
| Administrative | Yes      | Performance<br>&<br>statutory audit |          |           |

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

For UG Programmes      Yes ☒ No ☐

For PG Programmes      Yes ☒ No ☐

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

Setting half of the papers externally from lead university/ institution, Maintaining high standard in evaluations, conducting online class tests, introducing continuous performance evaluations and declaration of semester result within one month

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

Providing valuable suggestion / advise through University representative in statutory committees like Board, Academic Council etc.

4.11 Activities and support from the Alumni Association

- Alumni Association meeting held
- Alumni meet conducted
- Alumni „Day out programme” organized recently.
- Alumni archive and Alumni chapter in top major cities proposed.

4.12 Activities and support from the Parent – Teacher Association

- Parent are the important stakeholders
- IQAC plan to incorporate more views from the parent in terms of their wards education.
- Appraisal / indirect assessment from the Guardian are proposed by IQAC since they are the financer and they make investment in child education

4.13 Development programmes for support staff

- Staff development programme frequency enhanced under autonomous framework
- Sr. Admin staffs are sent in different state for skill up-gradation
  - Technical staffs are provided with SDT
  - Administrative and technical staffs were provided BCL training

#### 4.14 Initiatives taken by the institution to make the campus eco-friendly

JISCE has the responsibility of conducting Green-Audit on yearly basis and take effective measures to protect and preserve green atmosphere in the college campus.

The recommendations from IQAC cell are:

1. To make the college campus greenery by planting more sapling.
2. Make the campus as plastic free zone
3. To take initiative to keep the campus clean.
4. To give botanical name of each plant/tree
5. To plant flower trees

Since inception importance is given for development of eco – friendly atmosphere in the campus by the management and allocation of certain amount is present in annual budget. Hence, a separate green audit does not arise until now. However, the following explanation highlights the commitment of the institution towards eco-friendly campus.

- College is covered with over greenery and big trees.
- Nearly 6 acres of lawn and play ground equipped with water sprinkling system.
- Over 2000 plants in pots spreading over all departments.
- Bio- manure is prepared in the campus using bio – waste provided out of trees and plants.
- Organic waste of the campus is converted into fertilizer compost within the campus.
- College maintaining a nursery with samplings.
- Establishment of Eco-park is planned in near future.

## Criterion – VII

### **5. Innovations and Best Practices**

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The innovations created mainly to uplift standard in quality of education:</p> <ul style="list-style-type: none"><li>- Mandatory Curriculum content analysis, lesson and session Plan for each courses by the teachers</li><li>- Practice outcome based teaching methodologies</li><li>- Stress on active, interactive and self learning</li><li>- Model based and real-world problem based teaching.</li></ul> <p>Research innovation include</p> <ul style="list-style-type: none"><li>- more interdisciplinary works</li><li>- attract more PG student to research by encouraging them to attend Conferences</li></ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

5.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year based on the plan submitted in the 2015-16 (mentioned in the Section 2.15, following are the Action taken report.

|                                                                                                                                          |                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤ To renovate the Electrical and water supply facilities of the college with iron removal plant and installing energy saving CFL lights. | The Electrical supply facility with proper backup system in place. Cold and pure water supply facility in place through installation of High-End Water Purifier Machine.                                                                                                                         |
| ➤ Improve infrastructure of all the departments.                                                                                         | The modernization and removal of obsolete equipments is a continuous process and renovated in the ongoing year                                                                                                                                                                                   |
| ➤ Re arranges the laboratory support systems and makes it more users friendly.                                                           | The Laboratory support system has been renovated with Technical persons and PG scholars taking active participation during lab session.                                                                                                                                                          |
| ➤ Encourage teachers to take up Research Projects.                                                                                       | The 2 <sup>nd</sup> set of UGC minor projects applied. The 1 <sup>st</sup> set of UGC minor project implementation status reviewed. The status of RPS project and projects funded by other agencies also reviewed. The Faculty members are encouraged to submit projects in Technical symposium. |
| ➤ Make internet knowledge compulsory to prepare the assignments and projects.                                                            | The enhancement of internet facility has been made and growing tendency of the students using internet based learning through the systems laboratories and even using their smart phones are increasing                                                                                          |
| ➤ Provide an orientation programme to Students to introduce the many programmes of the college.                                          | The Newly entrant students Orientation program has been conducted in August 1 <sup>st</sup> Week and addressed by versatile Speakers from RKM to Skill Development professionals.                                                                                                                |
| ➤ Avail the value education hours to introduce the many programmes.                                                                      | The Value education and Value-added programs are annexed with regular curriculum based programs.                                                                                                                                                                                                 |
| ➤ Conduct training programmes in Personality development and soft skills more intensively.                                               | Number of Training programs are integrated with regular curriculum programs including ICT based programs (QEEE, BMOOC, Spoken tutorial)                                                                                                                                                          |
| ➤ Make the documentation of IQAC more effective with the help of software.                                                               | The IQAC documentation quality improvement is under process and Lead Universities are consulted for the same.                                                                                                                                                                                    |
| ➤ To introduce software support for handling examination data.                                                                           | The Examination system is reviewed and managing examination data with process of publication of result has been made online through Software Development wing of JIS Group.                                                                                                                      |
| ➤ Continue the value addition programmes a part of the curriculum: Each department                                                       | Curriculum based Value addition program are implemented. E.g. QEEE Live classes and the Course pack addressed by the                                                                                                                                                                             |

|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| may start a diploma or certificate course as part of improving the curriculum content and issue certificates.                                                                         | National Teachers through Live programs. NPTEL courses are also being encouraged and over 1600 number of students enrolled for the NPTEL courses.                                                                                                                                                         |
| ➤ To organize a workshop for +2 students in the state to inspire them in technological subjects.                                                                                      | Programs for the 10+2 students are organized in which they can display their own innovations and though. In JIS Tech Symposium there is a separate School pavilion in which school projects are awarded. Also school networking is done in the National Seminar and as part of CEE-AMPAI and WBEE events. |
| ➤ Human Resource Development Training for students (HRDTraining)                                                                                                                      | The students are trained in multiple skills including communication and personality development, Aptitude and Technical extended up to HR by professionals from Industry                                                                                                                                  |
| ➤ Staff Training programmes will be organized periodically to train the staff in ICT based teaching                                                                                   | Staff Training programs are organized in regular interval. Admin staffs attended skill development in office work program through TEQIP grant                                                                                                                                                             |
| ➤ Departmental meetings be arranged every month to review the progress of the academic plan for the current year                                                                      | All Statutory Committee meetings (AC, BoS, DC) occurred in frequent intervals.                                                                                                                                                                                                                            |
| ➤ To give a training course in website updations to one faculty member from each department. So that the department links in the college website may be kept current and operational. | The overall e-Governance workshop under Outcome Based Education was conducted. However, more consolidated programs are under process.                                                                                                                                                                     |
| ➤ To covert the campus into an echo friendly campus.                                                                                                                                  | The initiatives are taken to make a Green and Echo friendly campus through various measures (E.g. hard prints are discouraged unless it is too necessary)                                                                                                                                                 |

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

Two best practices in the Institution under the autonomous framework are:

- Mentorship Programme
- Continuous performance Evaluation

***\*Provide the details in annexure (annexure need to be numbered as i, ii, iii)***

### 5.4 Contribution to environmental awareness /protection

Following are the contribution:

- \* Energy conservation
- \* Use of renewable energy
- \* Water harvesting
- \* Check dam construction
- \* Efforts for Carbon neutrality
- \* Plantation
- \* Hazardous waste management
- \* e-waste management
- \* any other

5.5 Whether environmental audit was conducted?

Yes

☒

No

☐

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

SWOT Analysis is exclusively conducted and taken into consideration during in each annual Plan. The process started during first accreditation in NAAC and also during joining TEQIP Phase II

## **6. Plans of institution for next year**

|                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Teaching Learning Process</b>                                                                                                                                                               |
| ➤ To make Curriculum content analysis mandatory for all faculties in all disciplines                                                                                                           |
| ➤ To encourage Learning centric environment and practice active leaning                                                                                                                        |
| ➤ To put emphasis on Model based learning/ problem based learning with specific outcome                                                                                                        |
| ➤ Making Curriculum content analysis mandatory for all faculties in all disciplines                                                                                                            |
| ➤ To put cross-disciplinary academic audit between similar departments                                                                                                                         |
| ➤ To enhance stakeholders feedback from Students, Guardian, Faculty, Alumni, Employer, Board.                                                                                                  |
| <b>Infrastructure development and Civil works:</b>                                                                                                                                             |
| ➤ To complete the construction of a separate Civil Engineering wing and start conduction of programme in this new venue                                                                        |
| ➤ To set up new Annex building beside the CMS building in a row for the Department of Electronics and related courses viz. Instrumentation and Biomedical Engineering in multi-storied pattern |
| ➤ To expand Computer Science and Engineering in the Institutional main building                                                                                                                |
| <b>Faculty Development Programme</b>                                                                                                                                                           |
| ➤ To conduct advanced module of pedagogical training for all faculty members of NITTTR                                                                                                         |
| ➤ To encourage enrolment of more M.Tech. Faculty member for Ph.D. degree                                                                                                                       |
| ➤ Pacify faculty training in subject domain (Core, electronics, computing)                                                                                                                     |
| ➤ Increase number of training programme for technical and administrative staffs                                                                                                                |
| <b>Research and Development</b>                                                                                                                                                                |
| ➤ To continue trend of hosting International conference like previous consecutive two years                                                                                                    |
| ➤ To escalate seed grant for faculty research                                                                                                                                                  |
| ➤ To escalate minor amount funding in Students innovative project                                                                                                                              |
| ➤ To establish link with other Industries under the Group for seed grant against transfer of knowledge so as to attract the other funding agencies.                                            |
| ➤ Status verification of research supervision by the empanelled faculty members                                                                                                                |
| ➤ To apply more major research project with high value and specific objective.                                                                                                                 |
| ➤ To establish link with National Knowledge Network (NKN)                                                                                                                                      |
| ➤ To open up a Knowledge Incubation Centre                                                                                                                                                     |
| ➤ To apply for transformation of some of the high end laboratory to Research Centre                                                                                                            |
| ➤ Like AICTE MODROB/RPS apply in various project schemes under UGC                                                                                                                             |
| ➤ To enhance more patenting of technologies                                                                                                                                                    |
| <b>Industry Institute partnership</b>                                                                                                                                                          |
| ➤ To initiate industry sponsored R&D by collaborating with Group Industry/Local Industry and thereby attracting the funding agencies                                                           |



|                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤ To reflect more the views of the Industry representative of the BOS of various departments                                                         |
| ➤ To increase number of Guest lecture by the Industry people                                                                                         |
| ➤ To invite alumni's in departmental programme to share their experience with students                                                               |
| ➤ To initiate collaborative academic programmes with industry                                                                                        |
| ➤ To enhance joint activities with industry                                                                                                          |
| <b>Others</b>                                                                                                                                        |
| ➤ To apply for short –term courses                                                                                                                   |
| ➤ To escalate Design Lab so as to make students role-ready                                                                                           |
| ➤ To encourage National and international live classes, webinars and other ICT based learning like ICTE, QEEE, NMEICT programmes hosted by MHRD-IIT. |

Submitted by

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## **Annexure I**

### **Abbreviations:**

|      |   |                                          |
|------|---|------------------------------------------|
| CAS  | - | Career Advanced Scheme                   |
| CAT  | - | Common Admission Test                    |
| CBCS | - | Choice Based Credit System               |
| CE   | - | Centre for Excellence                    |
| COP  | - | Career Oriented Programme                |
| CPE  | - | College with Potential for Excellence    |
| DPE  | - | Department with Potential for Excellence |
| GATE | - | Graduate Aptitude Test                   |
| NET  | - | National Eligibility Test                |
| PEI  | - | Physical Education Institution           |
| SAP  | - | Special Assistance Programme             |
| SF   | - | Self Financing                           |
| SLET | - | State Level Eligibility Test             |
| TEI  | - | Teacher Education Institution            |
| UPE  | - | University with Potential Excellence     |
| UPSC | - | Union Public Service Commission          |

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