

Internal Quality Assurance Cell (IQAC)

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT (ACADEMIC YEAR: 2018-19)

Date of Audit: 13-07-2019

Name and Designation of Audit Member-1: Prof. A. Sarath Babu, Dept. of Chemical Engineering
NIT Warangal, Warangal – 506 004.

Name and Designation of Audit Member-2: Prof. B.T. Krishna, Dept. of ECE, University College of
Engineering, JNTU, Kakinada.

(The activities are to be graded on the following scale)

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|-----------|------|--------------|-------------------|
| Excellent | Good | Satisfactory | Needs improvement |
| A | B | C | D |

Details of Programmes in the college:

| S.No. | Name of the Programme | Sanctioned Strength | Actual Strength |
|------------------------|---|---------------------|-----------------|
| UG | | | |
| 1 | Civil Engineering | 120 | 103 |
| 2 | Electrical and Electronics Engineering | 120 | 107 |
| 3 | Mechanical Engineering | 240 | 208 |
| 4 | Electronics and Communication Engineering | 300 | 298 |
| 5 | Computer Science and Engineering | 180 | 178 |
| 6 | Information Technology | 60 | 52 |
| UG Total | | 1020 | 946 |
| PG | | | |
| 1 | ECE-Embedded Systems | 18 | 09 |
| 2 | ECE-VLSI - SD | 18 | 04 |
| 3 | EEE-Power Electricals and Electric Drives | 18 | 12 |
| 4 | Mech-CAD-CAM | 18 | 13 |
| 5 | Computer Science and Engineering | 18 | 17 |
| 6 | Computer Science | 18 | 00 |
| PG Total | | 108 | 55 |
| UG and PG Total | | 1108 | 1001 |

| I. Curricular Aspects | | | | |
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| S.No. | Item | HEIs i/p | Grade | Remarks |
| 1.1 | Curricula developed /adopted have relevance to the local/national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs offered by the Institution | R-16 (I, II and III yr Autonomous) R-13 (JNTUK)- IV Yr | A | Every three years curriculum is updated. |
| 1.2 | Percentage of new courses introduced of the total number of courses across all programs | ECE- I, II and III year (16/63) - 25.8% IV year (20/64)-31.25% EEE: 12.3% (8/65) Mech:9.37% (6/64) IT: 16.9% (12/17) CSE: 12.2%; Civil: Nil; BS&H: Nil | B | To strengthen the attainments of POs 6-12, appropriate inputs in the curriculum may be introduced. |
| 1.3 | Percentage of programs in which Choice Based Credit System (CBCS) / Elective course system has been implemented | CBCS has been introduced in all the programs | A | |
| 1.4 | Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum | ECE: The institute is offering courses on Environmental studies (ES); Professional Ethics and Human values (PE&HV) EEE-ES, PE & HV; Mech; ES, PE &HV CSE: ES, PE & HV; IT: ES, PE & HV; Civil- ES, PE &HV | A | |
| 1.5 | Number of Value-added courses imparting transferable and life skills offered | ECE: 4 courses (NPTEL-1,MOOCs-1, APSSDC-2) EEE:-2 Mech:7(NPTEL-1,APSSDC-6; Welding-1; CNC-1; CBT-1; R&AC-1; DASSAULT-1; Arc-1); IT: 2 (IOT & Python) CSE: 2 (NPTEL, MOOCs) Civil-2 (NPTEL, MOOCs) BS&H - NPTEL | A | Promoting certification programs. |

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| 1.6 | Feedback on curriculum and other aspects from stakeholders | The feedback on curriculum is collected regularly from the stakeholders (Students), Parents, Alumni and Employers | A | |
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2. Teaching-Learning and Evaluation

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|---|--|-------|--|
| 2.1 | Demand Ratio (% of students admitted) | ECE: 92.5% (UG-99.33%; PG-36.1%) EEE: 86.2% (UG-89.1%; PG-66.66%) Mech: 85.6% (UG- 86.67%; PG-72.22%) CSE: 90.2% (UG-98.89%; PG-47.22%) Civil: 85.8% (UG-85.8%) IT: 86.6% (UG-86.6%) | A | UG Admissions are very good. |
| 2.2 | Number of full-time teachers | ECE: 54; Pr. 3, Asso. Pr. 6, Asst. Pr. 45 EEE: 25 Prof. 2, Asso. Pr. 2, A.P. 21 Mech: 51 Prof. 5, Asso. Pr. 1, A.P. 45 CSE: 36 Prof. 5, Asso. Pr. 8, A.P. 23 IT: 10 Pr. 0, Asso. Prof. 2, Asst. Prof. 8 BS&H: 67; Prof. 2, Asso. Pr. 6, A.P. 56 Civil: 24 Prof. 1, Asso. Pr. 0, Asst. Pr. 23 | B | Number of Faculty with Ph.D. and faculty cadre ratio is a concern. |
| 2.3 | Number of students enrolled | ECE: UG-298, LE-43 Total -341 , PG-13 EEE: UG: 107; LE: 23, Total -157, PG: 12 Mech: UG-208; LE: 50 Total - 258, PG-13 CSE: UG-178, LE: 15, Total - 193, PG-17 IT: 52; Civil: 103; LE: 27 Total: 130 | A | |
| 2.4 | Student - Full time teacher ratio | ECE: 19:1; EEE: 17.8:1 Mech: 10.29:1; IT: 18:1 BS&H: 15.2:1; Civil:18.5:1 CSE: 15.7:1 | A | |
| 2.5 | No. of permanent faculty with Ph.D | ECE: 3; EEE: 3; Mech: 6 CSE: 6; IT: 1; BS&H: 5; Civil: 1 | B | Less than 10% faculty are with PhD |
| 2.6 | Average teaching experience of full time teachers in years | ECE: 11.47; EEE: 6; Mech: 2.8 CSE:6; IT: 7.4; Civil:3, BS&H;10 | A | |
| 2.7 | Total No. of teaching days | 180 | A | |
| 2.8 | Preparation and adherence to Academic Calendar and Teaching plans | Academic calendar and teaching Plans are adhered without fail. | A | |

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| 2.9 | Innovative processes adopted in Teaching and Learning | Power Point Presentation, Video lectures | A | |
| 2.10 | Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, MOODLES etc. | Faculty are using ICT facilities LMS is being used partially. (NPTEL-done by faculty) | A | |
| 2.11 | Remedial Classes for slow learners and backlog students | Remedial classes are conducted regularly for Students with less than 50% of Mid marks and with 3 backlog subjects. | A | Remedial Classes resulted in substantial improvement. |
| 2.12 | GATE Classes for Advanced Learners | GATE classes are conducted in ECE, Civil, Mech., IT and CSE departments | B | Results need improvement. |
| 2.13 | Mentoring System | Mentoring system has been adopted by means of counselling by faculty mentors. 20 to 24 students are allocated to each faculty and their progress is continuously monitored. | A | |
| 2.14 | Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc. | Yes, Available | A | |
| 2.15 | Advanced Research Centres | Departments of ECE, ME and CSE are recognized as Research centres by JNTUK, Kakinada. | C | Advanced research facilities may be created in each department |
| 2.16 | Teachers attending professional development programs | ECE: 32 , EEE: 55; CSE-33 Mech: F-15; FDP-11 IT: 23, | A | |
| 2.17 | Organisation of Guest Lectures, Industrial Visits, Workshops, etc., | ECE: Guest Lectures-4 Industrial visits – 3 Workshops- 8; Seminar-4 EEE: GL-2; IV-6; WS-3; APSSDC: S-203, Seminar – 4 Mech: GL-11, IV-5, WS-1; APSSDC-359 CSE: GL-10, WS-12; IV-2; Seminar-10 IT: GL-6, IV-1, WS-13 Civil: GL-4, WS-2, IV-2 | A | |

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| | | BS&H: GL-5; WS-1; IV-1 | | |
| 2.18 | Online Certification Programmes | ECE: Accredited with all India rank with 'AA' grade by NPTEL Faculty-44; Students- 328 EEE: Faculty-17; Students-105 NPTEL, IOT, EMC S-Electrical Vehicles, IOT, UHV Transmission, Digital Smart Grid, Design of PV systems Mech: NPTEL; F-15, S-225 IUCEE: F-244; S-167; Webinars-19 IT: NPTEL F-15; S-53; BS&H: F-29; S-135; CSE-Yes CSE: NPTEL S-145,F-15;Spoken Tutorial S-328. Civil : NPTEL F-22; S-132 | A | |
| 2.19 | Student Professional Society Chapter and Association Activities | ECE: IETE – 9; GL-3 Seminar-1; Workshop-5 EEE: ISTE-19; IE-6; Mech: ISTE-6; IE-1; Mechanical Engineers Association-3, CSE: CSI: 10, ISTE: 2, Pragsoft: 37; IT-CSI-10; ISTE-9, Civil: IEI-60; | A | |
| 2.20 | No. of Students undertaking field projects / internships | ECE: 283(internships) EEE: 55; Mech:116; CSE: 421 IT: -18 Civil: 6 | A | |
| 2.21 | Dissemination of PEOs, POs, PSOs, COs | Disseminated at prominent places such as: Institute Website, Notice Boards, Department Offices, Library etc. | A | |
| 2.22 | Attainment of COs, POs, PSOs | Attainment of COs, POs, PSOs is done | B | Additional inputs may be required to improve attainment of POs 6-12. |
| 2.23 | Online student satisfaction survey | Teaching-Learning survey is taken three times in a semester along with Course end feedback | A | |

3. Research and Innovation

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|---|---|-------|---------|
| 3.1 | The institution has a well-defined policy for promotion of research | Incentives are provided for publications, patent filing, Results, Professional Body | A | |

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| | | memberships, Attending conferences and Faculty retention. | | |
| 3.2 | The institution provides seed money to its teachers | Not in practice | C | Research seed money may be introduced to motivate faculty to pursue research. |
| 3.3 | Teachers recognised as research guides | Mech: 1 (JNTUK) BS&H: 1 (JNTUK & AU) | B | Steps may be taken to recognize all professors as guides. |
| 3.4 | Sponsored research Projects and consultancy | BS&H: BRNS, BARC, Mumbai: One Major Research project-1 Completed Second Major Research project-Ongoing. | C | No Engineering Dept. has Sponsored research projects |
| 3.5 | Workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices | A mandatory audit course on IPR & Patents for all students is introduced. | A | |
| 3.6 | Research Publications | ECE: UGC Approved – 8; Scopus-5; Others: 20; EEE: UGC-12 Mech: UGC-2; Others-9, BS&H: UGC-7, IT: UGC-8; CSE: Scopus-1; UGC-41 Civil : Others-4 | B | Quality & quantity of Research Publications need improvement. |
| 3.7 | No. of Faculty participated in conferences and symposia | ECE-6; EEE: Nil; CSE: Nil; Mech: 3; IT: Nil ;BS&H; 6 Civil: Nil | A | |
| 3.8 | Books and chapters in edited volumes / books published, and papers in national/international conference-proceedings. | ECE:6(papers in national/international conference-proceedings) EEE: Nil; Mech: Conferences - 3 CSE: Papers- 42; Book-3; Book Chapters-2, IT-Papers-8; Book Chapter-1, Civil-Nil | B | Book Chapters and books limited to CSE Dept. |
| 3.9 | Revenue generated from Consultancy | ----- | C | Consultancy activity is absent. |
| 3.10 | Linkages with institutions/industries for internship, on-the-job training, project work, sharing of | ECE: 2 (Siemens lab-1, APSSDC-1) EEE, Siemens Lab); IT & CSE: APSSDC, | A | |

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| | research facilities etc. | HYDSPIN, Deloitte, Mech: APSSDC Civil-Nil, BS&H-Nil | | |
| 3.11 | Functional MoUs | ECE: 6; EEE-4; IT-1 CSE & IT--TCS, TCS ion, CYIENT, E&ICT, Mission R&D, Deloitte, Intensala, Mech : Sackrobotics, APSSDC Lab, Civil-Nil, BS&H-Nil | B | MoUs with organizations related to the core areas to be strengthened. |

4. Central library Facility

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|---|--|-------|---|
| 4.1 | Library is automated using Integrated Library Management System (ILMS) | Yes | A | |
| 4.2 | Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment | Yes | B | Special resources may be identified and procured. |
| 4.3 | Does the institution have the following: e – journals, e-ShodhSindhu, Shodhganga membership, e-books, Databases | Yes N List Delnet, J- Gate | A | |
| 4.4 | Expenditure for purchase of books and journals | 12,57,048/- | A | |
| 4.5 | Availability of digital library with a provision for remote access on intranet | Yes 25(Systems Available) | A | |
| 4.6 | Per day usage of library by teachers and students | 250 | A | |
| 4.7 | No. Of Titles, Volumes and Print Journals (As on 1.7.2019) | Titles: 10321 Volumes: 53261 Print Journals: 142 | A | |

5. Examination Section

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|--|----------|-------|---------|
| 5.1 | Number of days from the date of last semester-end/ year- end examination till the declaration of results | 4 weeks | A | |

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| 5.2 | Percentage of student complaints/grievances about evaluation against total number appeared in the examinations | No Complaints 3.16% (Revaluation) | A | |
| 5.3 | Percentage of applications for revaluation leading to change in marks | 0.85% | A | |
| 5.5 | Status of automation of Examination division along with approved Examination Manual | Yes 100% Automation | A | |
| 5.6 | Pass percentage of outgoing students | 70.01% | A | |

6. Amenities and Sports facilities

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|--|--|-------|---------|
| 6.1 | The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.) and cultural activities | Out Door: Kho-Kho; Kabadi, Volley Ball, Basket Ball, Cricket, Throw Ball, Tennicoit Gym & Yoga Centre Present | A | |
| 6.2 | Awards/medals for outstanding performance in sports, Yoga /cultural activities at national/international level | National-3 State level-73 | A | |
| 6.3 | Number of sports, Yoga and cultural activities / competitions organised at the institution level. | Sports-9, Games-11 Yoga-yes | A | |

7. Internet Connectivity

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|--|--|-------|---------|
| 7.1 | Institution frequently updates its IT facilities including Wi-Fi | Wi-Fi enabled campus | A | |
| 7.2 | Student - Computer ratio | Total number of computers for academic purpose: 1111 Student - | A | |

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| | | Computer ratio: 3.5:1 | | |
| 7.3 | Available bandwidth of internet connection in the Institution | 330 Mbps | A | |
| 7.4 | Facilities for e-content development such as Media centre, recording facility, Lecture Capturing System (LCS) | Recording Facility is available. | A | |

8.Placements and Higher Education

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|---|---|-------|--|
| 8.1 | Capability enhancement and development schemes | <ul style="list-style-type: none"> CRT Program Mock interviews by industry experts Company Specific training | A | |
| 8.2 | No of students benefited by guidance for competitive examinations and career counselling offered by the institution | Higher Studies: 49 Entrepreneur: 3 | A | |
| 8.3 | Number of placements of outgoing students | 716 Offers 592 students | B | Core placements and average salary package need substantial improvement. |
| 8.4 | Students Qualified in Competitive Examinations | 9 qualified in Gate | B | Need improvement. |

9.Alumni Engagement

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|-----------------------------------|-----------------------------------|-------|---|
| 9.1 | The Alumni Association / Chapters | PEC AA established in 2006. | A | |
| 9.2 | Alumni contributions | Guest Lectures Mock Interviews | B | Alumni may be involved in the development of the Institute. |

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| 9.3 | Alumni Association / Chapters meetings Conducted | Alumni meet is conducted once in a year | A | |
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10.Social service and Extension activities

| S.No. | Item | HEIs i/p | Grade | Remarks |
|-------|--|---|-------|---|
| 10.1 | Initiatives taken to engage with and contribute to local community | Awareness camps, Swachh Bharat programmes | A | |
| 10.2 | No. of Activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national social cohesion as well as for observance of fundamental duties integration and communal harmony | <ol style="list-style-type: none"> 1. The NSS Unit of the college organized World Kidney Day in association with Rotaract Club & Department of IT on 14-3-2019. Dr Sarojini Devi the campus doctor addressed the student volunteers on the food habits for healthy kidney in seminar.200 students including NSS volunteers participated. 2. The NSS Unit of the college coordinated the awareness programme on “Voter enrollment & usage of EVM’s & VVPAT’s” by MRO Gandepalli Mandal on 21-2-2019.220 students including NSS volunteers participated 3. The NSS unit of the college organized a workshop on “The New Destiny-Life education” in association with Word Youth Change makers, on 5-2-2019. 180 students along with volunteers participated. 4. The NSS Unit observed National Minority Rights Day on 18-12-2018.40 students participated. | A | A mandatory audit course on Social responsibility for all students. Every student participates in social responsibility activities. |

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| | | <p>5. The NSS Unit in association with G S L Dental College, RJY conducted a awareness programme on oral Cancer and Pre Cancer on 01-12-2018.180 students and 40 volunteers participated.</p> <p>6. NSS unit of the college in association with NCC Unit of the college observed Communal Harmony Week:” from 18th Nov to 25th Nov, 2018. In the college. 25 Volunteers carried a fund raising programme and a total of Rs 7500/- was collected and sent to National Foundation for Communal Harmony, New Delhi.</p> <p>7. The NSS Unit celebrated constitution day.88 students participated.</p> | | |
| 10.3 | Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development | <p>1.The NSS Unit participated in NSS Swatch bharat internship in Surampalem village .100 volunteers attended the programme</p> <p>2. The NSS Unit is Organized 7days NSS Special Camp Programme in Anuru Village from 4-1-2019 to 10-1-2019 involving 39 volunteers from II & III B.Tech & 20 I Year students. Awareness camps,sports games,survey were conducted.</p> | A | Every student participates in social responsibility activities. |
| 10.4 | Awards and recognition received for extension activities | Best NSS Officer Award from JNTUK | A | |

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| 10.5 | Extension and outreach programs conducted in collaboration Government Organisations, Non-Government Organisations | <p>1. A Blood Donation camp was organized in the college campus in association with Red Cross Society, Kakinada on 12-04-2018. A total of 180 donors donated their blood. 15 volunteers coordinated the activity.</p> <p>2. A Blood Donation camp was organized in the college campus in association with Rotary Blood Bank, Kakinada on 14-12-2018. A total of 102 donors donated their blood. 20 volunteers coordinated the activity.</p> <p>3. The NSS Unit in association with JNTUK, Kakinada organized a one day orientation programme PFMS and EAT Module to all NSS Pos of East & West Godavari District on 11-09-2018. 10 volunteers coordinated the programme</p> | A | |
| 10.6 | Number of students participating in extension activities | 1063 | A | |
| 10.7 | Village adaptation | Anuru | A | |
| 10.8 | NCC (Awards) | <p>'B' Certificates awarded-28 'C' Certificates awarded-20 1 Sgt. S.M.L.V. Preethi attended National AP EK Bharat Swachh Bharat-II, Guntur. CSUO N.Lakshman from IV ME attended the ADVANCED LEADERSHIP CAMP</p> | A | |

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| | | (ALC) at Madurai which was aimed to train cadets for SSB interview for 5 days. | | |
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| 11.Administrative Procedures | | | | |
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| S.No. | Item | HEIs Input | Grade | Remarks |
| 11.1 | Budget allocation, excluding salary for infrastructure augmentation | Rs. 18,11,96,000 | A | |
| 11.2 | Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component | Rs. 17,73,66,788 | A | |
| 11.3 | Established systems and procedures for maintaining and utilizing physical, academic and support facilities -laboratory, library, sports complex, computers, classrooms etc. | Standard procedures are being followed. | A | Good campus upkeep and maintenance. |
| 11.4 | Students benefited by scholarships and freeships provided by the Government. | 2573 students were benefited | A | |
| 11.5 | Students benefited by scholarships, freeships, etc. provided by the institution besides government schemes | 839 students are benefited. Rs. 100.08 lakhs has been spent by the Management | A | Very good initiative from the management, benefitting a number of students. |
| 11.6 | Support to differently abled students | Facilities like ramps at all important places is in place. Also, wheel chair is made available in the ground floor. | A | |
| 11.7 | Transparent mechanism for timely redressal of student grievances including sexual harassment and ragging | All statutory provisions are in place. | A | |

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| | cases | | | |
| 11.8 | Presence of an active Student Council & representation of students on academic & administrative bodies/committees | Student representation in: IQAC, Anti-ragging, Transport and Hostel committees. Also, active Class representative and girl representative system is in place. | A | |
| 11.9 | Professional development / administrative training programs organized by the Institution for teaching and non-teaching staff | Faculty are encouraged to attend FDPs/Training programmes. Regn. Fee, travel are provided by the Management and On-duty permission is given. | A | |

12. Governance, Leadership and Management

| S.No. | Item | HEIs Input | Grade | Remarks |
|-------|---|--|-------|---------|
| 12.1 | Governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution | Governing Body of the college meets twice in a year to discuss various issues and aspects related to the development of the college. Governing Body considers the recommendations of Academic Council, Finance Committee, Boards of Studies, etc and chalks out a roadmap to achieve the goals of the institution. After every meeting, minutes are recorded and circulated to all members. Also, the Action Taken Report is also prepared and shared with the members | A | |
| 12.2 | Decentralization and participative management | Proactive and participative management is in place. Various academic and administrative activities in the | A | |

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| | | college are decentralized and assigned to faculty members, viz, Examinations, Career guidance Cell, R&D, Training & Placement Cell, Sports, etc. | | |
| 12.3 | Perspective/Strategic plan and deployment documents | Selective agenda items of strategic plan are discussed in governing body meeting and decisions are circulated to all the departments. | A | |
| 12.4 | Organizational structure of the Institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism | All are in place. | A | |
| 12.5 | Implementation of e-governance in areas of operation | e-governance is in place in the following areas of operation: Administration Finance and Accounts Student Admission and Support Examination | A | |
| 12.6 | Effectiveness of various bodies/ cells/ committees is evident through minutes of meetings and implementation of their resolutions | Implemented effectively. | A | |
| 12.7 | Welfare measures for teaching and non-teaching staff | <ul style="list-style-type: none"> • Service awards to all staff who put in 10/15 years of service in college • Group Insurance • Free transport • Paid Maternity and Medical leave • PF & ESI facility. • Academic Leave | A | |
| 12.8 | Performance Appraisal System for teaching and non-teaching staff | Both Self and Performance appraisal is done once in a semester. Best performers are rewarded | A | |

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| | | by additional incentives. | | |
| 12.9 | Institutional strategies for mobilisation of funds and the optimal utilisation of resources | All departments and units of the college ensure proper budget proposal, sanction and Utilisation. | A | |
| 12.10 | Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies | Cash incentives are paid for faculty publications in reputed National/International journals. On Duty is provided for faculty presenting papers in National/ International conferences | A | |

| 13. IQAC | | | | |
|----------|--|--|-------|---------|
| S.No. | Item | HEIs Input | Grade | Remarks |
| 13.1 | Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes | Significant Contributions are made | A | |
| 13.2 | The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms | Yes, as per norms | A | |
| 13.3 | Quality initiatives by IQAC for promoting quality culture | Self Appraisals, Providing suggestions for improvements and Training Programmes for newly selected faculty | A | |

Best Practices followed in the Institute:


1. Value addition by certification programs as well as technology training is focused through Skill Development Centre (APSSDC, IITB-RC, NPTEL, Spoken tutorial, Swayam Prabha).
2. The course coordinator system has been continued.

3. The practice of conducting Guest lectures, Industrial visits and Industrial training has been enhanced.
4. More Practical orientation is supported through Mini-projects, Technical seminars.
5. Program electives, Open electives and Mandatory courses as well as MOOCs are incorporated.
6. Continuous inputs from all stakeholders like Alumni, Academicians and Industry experts are taken to improve the curriculum on regular basis.
7. To ensure a good character with better ethical values among the students, professional ethics course has been introduced in the curriculum for all the students
8. Additional Training on communication skills and soft skills is further increased.
9. Research aptitude among the students is inculcated through project implementations.
10. An Advisory Committee has been formulated for every department with suitable external members.
11. A regular monitoring of Academic growth is taken care by the College Advisory Board (CAB)
12. Improved Membership in various professional bodies like IEEE, CSI, ISTE, IE, IETE, ISHRE
13. Institute has signed some MOUs and established Tie ups/collaborations with reputed organizations and institutions
14. Improved class room facilities with ICT tools.
15. Participation of students in Sports, Games at National and International level, NCC, NSS activities.
16. Employee friendly working environment with good retention
17. Incentives in terms of registration fee, travel and on-duty permission for attending conferences and workshops.
18. Fifty percent course fee is reimbursed by the management if they get AAA/AA rating in NPTEL courses.
19. Fifty percent membership fee is reimbursed by the management in professional bodies.
20. Free transport facility to faculty.
21. Incentives for Highest pass percentage.
22. Full financial assistance provided to faculty for attending training abroad.
23. Incentives for quality research publications.
24. Financial and promotional incentives for faculty obtaining PhD.
25. Merit Scholarships, Gold medals, Best project, Innovative project are supported by Management.
26. Free training to students at the skill based centres.
27. Ladies waiting hall and rest room in each department.
28. Revised Curriculum based on OBE is in place. CBCS is also implemented.
29. Active NPTEL Local Chapter.

Suggestions for improvement:

1. Sponsored research and consultancy is very poor. Most of the Departments have been continuously applying for projects without much success. The Institute may take steps such as: conducting training/workshops on how to write good research proposals by inviting eminent researchers.
2. Research output by a way of publications in SCI / Scopus indexed journals needs a substantial improvement.

3. Urgent need to increase the number of faculty with PhD.
4. Consultancy activity is absent. A liaison Cell may be created with the objective of identifying problems faced by the nearby industry.
5. Special efforts are required to attract core companies for campus placement.
6. IQAC may be entrusted with the responsibility of preparing quality policy.
7. The PO attainment calculations need to be redesigned.
8. Alumni visibility is poor. Alumni contributions by way of offering Gold Medals, Internships and Placements may be explored.
9. MOUs with higher level institutions with an objective of deputing faculty for carrying out PhD shall be encouraged.



Signature of AAA member 1

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