



**INSTITUTIONAL ASSESSMENT AND ACCREDITATION
(Effective from July 2017)**

Accreditation - (Cycle - 1)

**PEER TEAM REPORT ON
INSTITUTIONAL ACCREDITATION OF
NSHM KNOWLEDGE CAMPUS, DURGAPUR - GROUP OF
INSTITUTIONS**

**Durgapur
West Bengal
713212**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA**

Section I:GENERAL INFORMATION

1.Name & Address of the institution:	NSHM KNOWLEDGE CAMPUS, DURGAPUR - GROUP OF INSTITUTIONS Durgapur West Bengal 713212	
2.Year of Establishment	2010	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	3	
Departments/Centres:	11	
Programmes/Course offered:	11	
Permanent Faculty Members:	107	
Permanent Support Staff:	48	
Students:	1267	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. Self-financing co-educational institution catering to the needs of rural area. 2. The college has adequate infrastructure facilities with scope for expansion 3. Teaching-learning and supported activities are good	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	From : 27-03-2019 To : 28-03-2019	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. PANDIT PALANDE	Vice Chancellor(in-charge),BABASAHEB BHIMRAO AMBEDKAR BIHAR UNIVERSITY
Member Co-ordinator:	DR. JAGATHY RAJ V P	Professor,COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY KOCHI
Member:	DR. SUDHIR BHADAURIA	Director,SGSITS INDORE
NAAC Co - ordinator:	DR. VINITA SAHU	

Section II: CRITERION WISE ANALYSIS

Observations (Strengths and/or Weaknesses) on each qualitative metrics of the key Indicator under the respective criterion (This will be a qualitative analysis of descriptive nature aimed at critical analysis presenting strength and weakness of HEI under each criteria)

Criterion 1 - Curricular Aspects (Key Indicator and Qualitative Metrics(QIM) in Criterion 1)	
1.1	Curricular Planning and Implementation
1.1.1 QIM	The institution ensures effective curriculum delivery through a well planned and documented process
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	Institution integrates cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum
1.4	Feedback System

Qualitative analysis of Criterion 1

NSHMKC is affiliated to MAKAUT, West Bengal and follows the curriculum prescribed by the university. The institution being an affiliated institution has no scope to frame syllabus on its own but the faculties of the institution attend events in which syllabus framing process takes place. To carry out the implementation of the syllabus, the institution has a meticulous system and plans innovative and creative methods for delivery of the curriculum. To ensure effective curriculum delivery Institution prepared academic calendar before the start of the semester. The detail course plan are prepared by faculty members, this includes comprehensive class tests and support materials. The Institution provides the students additional exposure beyond curricular boundaries through gap analysis and innovative projects. Institution also provides value added courses to meet the contents beyond syllabus. The Institution encourages the students in developing their analytical ability, participation in seminars, conference, sports and games. Planning and implementation caters to incorporation of extra inputs like Guest Lectures, individual and group assignments, industrial visits and educational tours.

Institute is making efforts to integrate issues relevant to gender, environment, social values, etc. into the curriculum. The affiliating university offers core courses which address the issues relevant to Gender, Environment and sustainability, Human Values and Professional Ethics. Institution provides to the students the capacity to inbuilt, transform society; promote human values and ethics through the curriculum, co curricular and extracurricular activities. The Institution also established various committees to ensure the above activities. Cross cutting issues are handled through various activities. The importance of human values is established through blood donation camps and Environment awareness is practised as a part of Swachh Bharat activity. The Institution should enrich the issues like gender, environment sustainability, and human values through the more invited talks, seminars, workshop other than classroom teaching.

The Institution has developed effective feedback mechanism to collect and analyze feedback from different stakeholders through web or in person.

Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrics(QIM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Catering to Student Diversity
2.2.1 QIM	The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners
2.3	Teaching- Learning Process
2.3.1 QIM	Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences
2.3.4 QIM	Innovation and creativity in teaching-learning
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.1 QIM	Reforms in Continuous Internal Evaluation(CIE) system at the institutional level
2.5.2 QIM	Mechanism of internal assessment is transparent and robust in terms of frequency and variety
2.5.3 QIM	Mechanism to deal with examination related grievances is transparent, time-bound and efficient
2.5.4 QIM	The institution adheres to the academic calendar for the conduct of CIE
2.6	Student Performance and Learning Outcomes
2.6.1 QIM	Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students
2.6.2 QIM	Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution
2.7	Student Satisfaction Survey

Qualitative analysis of Criterion 2

The admission to the courses offered is made through the centralized State level admission process of the affiliating MAKAUT.

The Institution organizes some programmes for the newly admitted students to make students familiar with Institution culture and to boost stage daring, confidence, bonding among students and reviews the profiles of admitted students to assess the learning levels of the students. The teaching learning process is effectively followed to ensure knowledge development. Teaching through LCD projector, internet facility, ICT enabled teaching, demonstrative models and tutorials, case studies are indicated as innovative and creative teaching by the institution.

Based on such assessment, slow learners and advanced learners are distinguished. Counselling and mentoring sessions are organised for the students by faculty mentors. Remedial /bridge courses and Tutorial classes are conducted to help slow learners. Workshop, symposium and industrial visits are some of the student centric approaches adopted for the advanced learners by the Institution. For advanced learners some add on courses are being provided. Advanced research and practical applications of the subjects also to be offered to advanced learners to train them beyond the syllabus.

Learning experiences are enhanced by various student centric methods. Institution focuses on experimental learning through laboratories. The teaching faculty use innovative and creative learning methods such as – use

of charts, situation handling, videos, quizzes, puzzles, case studies, extempore, games, group discussion, role play activities etc. Participative learning is encouraged through various methodologies. Institution encourages faculty and students to participate in various training programs/workshops/ seminars/ conferences/ development programs/ industry visits to update knowledge and develop their skills.

Institution has adopted well defined assessment methods like midterm and end term slot tests, assignments etc. for student evaluation processes. The transparency in mechanism of internal assessment is in practice. Special care is taken for advanced/slow /medium learners with keen observations to improve their academic career through continuous evaluation

For examination related grievances the Institution follows the procedure set by the affiliating university. There exists a mechanism to address the examination related grievances at both university and Institution level. Academic Calendar Committee of the Institution prepares the academic calendar for every semester by referring to the academic calendar of the affiliating university. All the departments prepare their departmental calendar based upon the Institution calendar and follow the same. The student hand book contains all the information needed – academic, extra-curricular activities, rules, history of the college etc. Faculty members and students are also aware of the upcoming activities and events and can plan accordingly for academic and non-academic activities.

To provide a uniform platform which suits all the students having different learning levels, the institution need to conduct more bridge courses/value added programs so as to enrich the diverse needs of students. Innovative methodologies are needed to be enhanced in teaching. Effective e-governance modules for planning and implementation of academic curriculum, participative learning methods, skill development through computational tools and learning through industrial exposure are to be improved. Some real life projects are also be undertaken for societal development through technology.

Moving towards the ‘outcome based approach’ in the teaching-learning-evaluation process, every programme in the institution has formulated a set of PEOs, POs and PSOs but are to be displayed at more places in the Institution. Apart from this, a set of COs have been framed for each course. Systematic procedures have also been devised for assessing the attainment of these Outcomes. Feedback is taken from the stake holders from time to time.

Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrics(QIM) in Criterion3)	
3.1	Resource Mobilization for Research
3.2	Innovation Ecosystem
3.2.1 QIM	Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge
3.3	Research Publications and Awards
3.4	Extension Activities
3.4.1 QIM	Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years
3.5	Collaboration

Qualitative analysis of Criterion 3

Institution takes initiatives for creation and transfer of knowledge by conducting different activities such as organizing expert/guest lectures, organizing different technical competitions like Paper Presentation, Technical Quiz, etc. Every academic year, most of the departments conduct various national level seminars and conferences where eminent researchers in specific area of research are invited for sharing their ideas and experiences. The departments also conduct hands on training and workshops to demonstrate the new innovative ideas of the students. The management encourages the faculty to attend and present research papers in various seminars and conferences at national by providing financial assistance and duty leave.

Budget allocated for research need to be enhanced. Faculty should be encouraged to publish more research papers in reputed peer reviewed journals having high impact factor. The institute need to encourage the faculty to apply for research projects to agencies like DST, DEITY, CSIR, DRDO and Industries.

The institute need to enhance this facility by deputing senior faculty to various research organizations for getting collaborative projects and adopting best practices needed for research.

The institute has created an Entrepreneurship Development cell comprising of Business School Faculty and students. The cell arranges industrial visits & study tours to impart subject knowledge to the students. The faculty members are to be encouraged to take up research activities utilizing the existing facilities. Extension activities in the neighbourhood community in terms of sensitising students to social issues are also carried out.

The Institute performs various extension activities such as blood donation camps, health and hygiene awareness programs, women empowerment programs, quiz competitions, debate and discussions, cultural competitions, etc for the holistic development of all stake holders. Various environment and social awareness activities are organised through their NSS unit, YRC, Swachh Bharat Abhiyan etc. The college organises different social awareness program for the surrounding societies related with environment and other social issues. Extension activities in the neighbourhood community in terms of sensitising students to social issues are also carried out.

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrics(QIM) in Criterion4)	
4.1	Physical Facilities
4.1.1 QIM	The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.
4.1.2 QIM	The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities
4.2	Library as a Learning Resource
4.2.1 QIM	Library is automated using Integrated Library Management System (ILMS)
4.2.2 QIM	Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment
4.3	IT Infrastructure
4.3.1 QIM	Institution frequently updates its IT facilities including Wi-Fi
4.4	Maintenance of Campus Infrastructure
4.4.2 QIM	There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Qualitative analysis of Criterion 4

The institution has almost adequate facilities for teaching and learning as per the norms of AICTE, New Delhi and affiliating universities. The management is proactive and has a positive approach regarding the development of infrastructure facilities for the benefit of its stakeholders.

The class rooms and laboratories in college have good ambiance which is conducive for learning. Tutorial rooms, departmental laboratories, language laboratory, workshops, computer center and seminar halls etc exists in the institution. The classrooms are ventilated and well furnished. The institute has several physical facilities like seminar halls, E- class rooms, canteens with hygienic food, waiting halls for boys and girls, well maintained health care centre, Gymnasium facility, transport facilities, play grounds, R.O Water supply, Power generators for un-interrupted power supply, fire extinguisher for safety. The college promotes personal development and social interaction by participation in sports; indoor and outdoor games, yoga, NSS and cultural activities. The institute has adequate space for outdoor games. Annual sports week and several cultural activities are conducted regularly. Facilities for indoor games need to be established.

The central library is equipped with adequate infrastructure, e-resources, internet facility, digital library and library software. College library has more than enough titles and volumes as required according the syllabus. The library also has collection of rare books and manuscripts along with reference books. The NPTEL resources with DELNET & OPAC facilities are to be provided in the library. Other library facilities include extending working hours, book bank facility, new arrival information and photocopy etc to be provided to the users. Complete automation of the library to be done including the enhancement of Digital library with adequate e-resources.

The internet band width is 18Mbps. The complete campus of institution is made Wi-Fi enabled with good number of smart classrooms and support facilities. The internet band width and availability of internet via Wi-Fi needs up-gradation. All necessary educational and related software are to be made available. The campus is neat and clean and well maintained. The institute has good maintenance system for all its essential facilities. There is generator power backup availability for ensuring uninterrupted Power Supply.

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrics(QIM) in Criterion5)	
5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.3.2 QIM	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution
5.4	Alumni Engagement
5.4.1 QIM	The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Qualitative analysis of Criterion 5

The Institution has established various avenues for the holistic development of the students such as develop technical skill, updating latest development in various fields, personality development, service to the society etc. The Institution has created a various platform for the active participation of the student's representatives in various academic and administrative bodies which help the students to present their problems and issues. Various committees like Anti-Ragging Committee, sports committee, Library committee, cultural committee etc with the active participation of students have also been established. Women empowerment cell, Sexual Harassment cell, Grievance redressal cell etc is established. Students are encouraged to participate in curricular and co-curricular activities. Various opportunities are provided by the Institution for the overall development of the students.

No registered alumni association in the institution and registration process is in progress. However, Alumni meets are conducted from time to time. The alumni share their experiences with the students. The alumni are also invited by the institute for guiding and supporting the students about their career opportunities. The Alumni Association needs to be more actively involved in conducting workshops/seminars, advisory roles in Institution/departmental bodies and others.

Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrics(QIM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QIM	The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution
6.1.2 QIM	The institution practices decentralization and participative management
6.2	Strategy Development and Deployment
6.2.1 QIM	Perspective/Strategic plan and Deployment documents are available in the institution
6.2.2 QIM	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
6.2.4 QIM	Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions
6.3	Faculty Empowerment Strategies
6.3.1 QIM	The institution has effective welfare measures for teaching and non-teaching staff
6.3.5 QIM	Institution has Performance Appraisal System for teaching and non-teaching staff
6.4	Financial Management and Resource Mobilization
6.4.1 QIM	Institution conducts internal and external financial audits regularly
6.4.3 QIM	Institutional strategies for mobilisation of funds and the optimal utilisation of resources
6.5	Internal Quality Assurance System
6.5.1 QIM	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes
6.5.2 QIM	The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms
6.5.5 QIM	Incremental improvements made during the preceding five years (<i>in case of first cycle</i>) Post accreditation quality initiatives (<i>second and subsequent cycles</i>)

Qualitative analysis of Criterion 6

The college has well defined vision and mission. The Governing Council in consultation with the stakeholders lays down the vision, mission and quality policy and the perspective plan for the college. The functions of the institution and its academic and administrative units are governed by strong leadership. The college has a proper organisation structure. As per the policies evolved and directions issued by the Governing body of this Institute, various institutional programs and activities are carried-out. The management encourages the decision making process through decentralized and participative management. To achieve this, various committees are constituted at institute and department levels. Principal spearheads the overall academic and other development activities of the college. The Principal and Heads of respective departments organize the various activities. Different departmental bodies exist in college to assist the Principal. The HODs take care of the overall activities of the department: curricular, co- curricular and extra-curricular. The Academic audits both internal and external need to be conducted by external experts from reputed institutes.

Perspective plan exists which includes academics, stakeholders, research and development, alumni and socio-economic plans.

There are clear policies mentioned the with regards to service rules, recruitment and promotion policies and Grievance redressal mechanism for employees. Institution follows the Government norms to give benefits of leave, pay regulations and welfare schemes for teaching and non-teaching staff.

Institute has strong grievance redressal cell and all the minutes are recorded. College has constituted several committees (such as Anti-Ragging Committee, Anti-Sexual Harassment Committee, Discipline Committee, Women Safety Committee and University appointed Ombudsman) to deal with complaints and grievances of staff and students.

Academic and Administrative activities are carried out through statutory and functional committees of the Institute.

Meeting of these committees are conducted periodically and properly recorded the minutes and follow up action are regularly carried out.

The institution has implemented various welfare schemes for teaching as well non-teaching staff. There is a provision for maternity leave and other leaves. Teaching staff is encouraged to acquire PhD qualification. Incentives are provided to faculty for quality research publications. Supporting staff are permitted to pursue higher qualification with full salary and partial tuition fees waiver. Faculty members attending conference can avail leave, travel support and reimbursement of registration fee. Institute has organised the development/administrative training programs for the teaching and non-teaching staff. Faculties are allowed to participate in different FDPs/Refresher courses/Orientation programs.

College follows a Performance Management System to both assess the performance of the staff and to provide feedback to them for improvement. Faculty members are asked to submit the Self appraisal forms once in a year. These forms are reviewed by the Performance Appraisal Committee. Separate appraisal forms are available for non-teaching staff.

Major financial resources are raised through fees collected from Students. The Institute has a procedure for the management of financial resources. Management of funds is done through the audit as per the procedures. Institution accounts are audited at regular intervals. Internal team periodically reviews the accounting process. The accounts and other related documents have been audited by an external auditor every year.

Effective Internal Quality Assurance Cell (IQAC) is formed in Institute as per the Constitution. The cell regularly conducts meetings and works towards continuous improvement and assurance of the quality of teaching learning process in the institute. IQAC plays major role in framing the systematic activities of the institution leading to quality measures. Steered through IQAC, the institution practises operative methodologies in the teaching learning, Examinations and evaluation, promoting the students and faculties for extracurricular activities. Teaching and Non-teaching staff of the college is encouraged to take part in seminars and workshops. There is an academic audit mechanism in operation in the college its helps in monitoring and in continuous improvement in teaching learning process. Some policy is not in place for administrative and academic audit. The institution adopts quality management strategies in all academic and administrative aspects. IQAC needs to be strengthened further. Academic audits both internal and external are to be conducted twice in a year. Institution has shown continuous and steadily growing performance in academic and administrative fields in the last five years.

Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrics(QIM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.2 QIM	<p>1. Institution shows gender sensitivity in providing facilities such as:</p> <ol style="list-style-type: none"> 1. Safety and Security 2. Counselling 3. Common Room
7.1.5 QIM	<p>Waste Management steps including:</p> <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • E-waste management
7.1.6 QIM	Rain water harvesting structures and utilization in the campus
7.1.7 QIM	<p>Green Practices</p> <ul style="list-style-type: none"> • Students, staff using <ol style="list-style-type: none"> a) Bicycles b) Public Transport c) Pedestrian friendly roads • Plastic-free campus • Paperless office • Green landscaping with trees and plants
7.1.18 QIM	Institution organizes national festivals and birth / death anniversaries of the great Indian personalities
7.1.19 QIM	The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions
7.2	Best Practices
7.2.1 QIM	Describe at least two institutional best practices (as per NAAC Format)
7.3	Institutional Distinctiveness
7.3.1 QIM	Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Qualitative analysis of Criterion 7

The College has facilities for helping gender sensitivities and their special requirements. Institute is very much concerned about gender equality. institute involved all the girls & boys without discrimination in all the Technical & Social program organized in the campus. Institute gives highest priority to safety and security of students, staff and infrastructure of the college. The College campus as well as the hostels is maintained in a safe and secure way with sufficient security measures. The college has committees to organize various programs for gender sensitization among the students, faculty and staff. A system exists for counselling of

students for tackling the academic as well as psychological issues. For the counselling of the students, the institute has Tutor-guardian scheme, career counselling cell & consulting doctor for physiological counselling. Institute has well defined Code of conduct for students, teaching and for nonteaching staff. Institute has adopted so many best practices for improvement in quality of teaching & learning

Common rooms and rest room facilities for boys and girls are available within the institutional premises with sufficient facilities.

Institute is doing so many activities for environmental consciousness and sustainability such as waste management system, rain water harvesting, e- waste management, plantation, and solid waste management.

To promote Environmental Consciousness, the institute has taken necessary measures in implementing waste management in both solid waste & e-waste, rainwater harvesting, RO plants. College has proper mechanism for disposing and managing solid, liquid, chemical and e- waste. Rainwater harvesting system is in place as all the water is collected from the roof is let through into the ponds.

There are some good measures available on campus that account for green initiatives. Special attention to be given to differently-abled (Divyangjan) students. College has to initiate conscious efforts in reducing paper usage. There are some good measures available on campus that account for green initiatives.

The campus is plastics and polythene free. Large numbers of Students are using public transport and bicycles to attend college. All the out-stationed staff are coming to college by carpooling.

Every year institute organises Independence Day, Republic Day and National Science Day. Institute also makes students aware about the great Indian personalities by celebrating their birth and death anniversary of these personalities.

The institution maintains transparency in its procedures. The academic calendar, schedule of tests and examinations are adequately intimated in advance to staff and students. Syllabi and regulations are uploaded in the college website and available on the intranet. Student academic data like attendance and continuous evaluation is to be computerized. Transparency in the decision making process in administrative functions are implemented by Inclusion of student members in various committees. The rules and regulations governing faculty progression and benefits are spelt out in the service rules book. The pay scale and salary received are duly acknowledged in the acquaintance register. The code of conduct and other student related information are mentioned in the annually released student handbook. The management and leadership need to focus on some new generation and distinctive approaches to transform the college further more.

One of the best practices as identified by the college is NSHM Social responsibility and community engagement intent of catering to the growing needs of the rural community for decent technical education, development and growth. . Second best practice as claimed by college is the use of ICT applications to academic and administrative functions inorder to streamline them.

True to its vision, college endeavours to develop well rounded workforce by imparting high quality, competency based technical education in Engineering and Technology. Institutional distinctiveness is to create an ambience that provides a probing environment in the area of career and setting of goals for the social sustainability of the students. Centres of Excellence, active industry collaboration, various professional courses, and language competency skills are some of the measures initiated by the institution towards this vision.

Section III: OVERALL ANALYSIS based on Institutional strengths, Weaknesses, Opportunities & Challenges (SWOC) (up to 500 words)

Strength

Strength

- Harmonious relationship exists between Institution and all the stakeholders
- Experienced, efficient and effective administration of the institution. Proactive and supportive Management.
- Various programs and schemes for empowerment of faculty, staff and students
- Good infrastructure and Healthy financial status are available
- Spacious and green campus in rural setting with good ambiance.
- Facilities for sports and athletics are good.
- Mentor – mentee system, incentive to teachers and quality policy are encouraging the staff and students to go to the next higher level.

Weakness

- Research activities are very minimal
- Research and development cell may be evolved with the help of affiliating University.
- More E Journals are to be subscribed
- Institution has no freedom to update curriculum as it is an affiliated Institution
- Inadequate quality publications by the faculty members.
- Less number of faculty with PhDs
- Alumni interactions need to be improved.

Opportunities

- Attract and retain well qualified faculty members.
- Starting more no. of job oriented courses for the students and tailor made programmes for industry
- The Services of Ph. D. qualified teachers may be utilized for establishing research centers in all the Departments
- Establishment of more awards and recognitions to encourage teachers and students for participating in industrial and research activities
- Establishing tie-ups with national and international higher education and research institutions, and collaborations with industries
- Availability of good, eager and well behaved students to be moulded as good engineers
- To strengthen IQAC and make it more proactive
- Academic Autonomy may be obtained which will enable the Institution to update curriculum to higher standards.

Challenges

- To compete with urban engineering Institutions
- Empowerment of rural students to increase their employability and Inspiring teachers to take up research activities in emerging Engineering Fields
- Opportunity for strengthening the existing PG programmes
- Entrepreneur-ship and e-governance programmes to be updated
- To achieve more number of research publications in good quality journals.

- To start more innovative and need based programs for students.
- To attract more meritorious students at First year level.
- Bridging skill gap between students and industry requirements
- To promote and motivate the R & D activities.
- To attract more industries for collaborations for MoUs.
- Generating more funds from various funding agencies and making institution self-supportive.

Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- Try to get autonomy in academic activities
- Faculty may be further encouraged to practice more ICT enabled teaching-learning methods including e-learning resources.
- Academic audit and Peer team evaluation by external experts may be undertaken periodically
- More encouragement to students to opt for MOOC courses. Their progress needs to be monitored on regular basis.
- Encourage faculty members to publish research articles in peer reviewed indexed journals with high impact factor.
- Strengthen entrepreneurship development cell. Fab IQAC should be strengthened for all-round develop
- Fab Lab with 3D printers and IoT lab are to be established in the Institution which will help the students to utilize their creativity to make innovative products.
- Job oriented courses like Artificial intelligence, Big Data Analytics, IOT, Cloud Computing, Machine learning, Cyber security, Cyber forensics, Python programming, Robotics process automation, Mobile application development etc. to be started.
- The Institution may go for MoUs with premier academic institutions and industries for innovative teaching learning methods, training and research.
- Campus wide integrated information system to be established for effective academic and administrative management
- Enhance faculty development programs and activities.
- To make better and effective use of Alumni's potential for improving quality as well as branding

I have gone through the observations of the Peer Team as mentioned in this report

Signature of the Head of the Institution

NAAC

Sl.No	Name		Signature with date
1	DR. PANDIT PALANDE	Chairperson	
2	DR. JAGATHY RAJ V P	Member Co-ordinator	
3	DR. SUDHIR BHADAURIA	Member	
4	DR. VINITA SAHU	NAAC Co - ordinator	

Place

Date

NAAC