

PEER TEAM REPORT ON <i>Institutional Accreditation of</i> JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING SHIVAMOGGA - 577 204, KARNATAKA	
SECTION I: GENERAL	
	INFORMATION
1.1 Name & Address of the institution:	Jawaharlal Nehru National College of Engineering, Navule, Shivamogga - 577 204, Karnataka
1.2 Year of Establishment:	1980 (27 th September 1980)
1.3 Current Academic Activities at the Institution (Numbers):	
• Faculties / Schools	03 (Engineering, Management, Computer Application)
• Departments / Centres	Engineering Faculty: 07 Management Faculty: 01 Computer Application Faculty: 01
• Programmes / Courses offered	Undergraduate: 07, Postgraduate: 09, M. Phil. 0, Ph. D.: 09. Total: 25
• Permanent Faculty Members	Permanent: 181, Temporary: 13, Total: 194
• Permanent Support Staff	Non-teaching: 15, Technical: 78.
• Students	UG: 3,060 PG: 484 M. Phil: 0 Ph. D.: 108 Others: 2 Total: 3,654
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> • A 37 year old co-educational, self-financing, affiliated College of Visvesvaraya Technological University, Belagavi. • Adequate infrastructure with good ambience. • Good admissions at UG.
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as annexure):	16 th to 18 th August, 2018 A detailed visit schedule is enclosed.
1.6 Composition of the peer Team which undertook the on-site visit:	
Chairperson	Prof. (Dr.) H. J. Jani
Members	Dr. V. Venkatakrishna - Member Co-ordinator Dr. Hardeep Singh - Member
NAAC Officer	Dr. Sujata Shanbhag

J. Jani
18/8/18

Hardeep Singh

Dr. V. Venkatakrishna
18/8/18

SECTION II: CRITERION- WISE ANALYSIS

2.1 CURRICULAR ASPECTS:	
2.1.1 Curricular Planning & Implementation:	<ul style="list-style-type: none"> • College has stated Vision, Mission, and Objectives. • As an affiliated institution, it has to adopt courses and syllabi prescribed by the university. • Three faculty members, in their respective subjects, contribute in Boards of Studies meetings in framing and revising syllabus.
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> • Credit System is implemented. • No twinning / dual degree programmes. • College does not offer any additional skill oriented programme.
2.1.3 Curriculum Enrichment:	<ul style="list-style-type: none"> • Curriculum revision as per University norms and guidelines. • Topics of 'Environmental Studies' and 'Professional Ethics' are included in first year curriculum. • Introduction of interdisciplinary courses may be encouraged.
2.1.4 Feedback System:	<ul style="list-style-type: none"> • Some faculty members participated in Syllabus Revision Workshop arranged by the University. • Two M. Tech. programmes were introduced. • Structured Feedback system needs to be introduced.

2.2 TEACHING LEARNING AND EVALUATION:	
2.2.1 Student Enrolment and Profile:	<ul style="list-style-type: none"> • Undergraduate Admissions on Government Seats are done through Common Entrance Test / COMEDK and Management seats are filled on merit bases. • Adequately inclusive admissions representing different sections. • Student catchment area is confined mainly to the Karnataka State.
2.2.2 Catering to Student Diversity:	<ul style="list-style-type: none"> • Teachers interact with newly admitted students. • Tutorial classes and Remedial Classes are conducted for slow learners and failed students respectively.
2.2.3 Teaching - Learning Process:	<ul style="list-style-type: none"> • Academic calendar is prepared at the beginning of the semester. • Some faculty members trained for Flip Class Method.
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> • Out of 181 permanent and 13 temporary faculty members, 46 teachers are having Ph. D., 2 teachers have M.Phil. and remaining have Master's Degree. • Ten faculty members have attended refresher courses and 15 have attended orientation programmes.

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	<ul style="list-style-type: none">• 11 workshops arranged at JNCCE Remote Centre by IIT Bombay.
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none">• Students are informed about the evaluation process through College Hand Book.• College is implementing all reforms introduced by the University.
2.2.6 Student Performance and Learning Outcomes:	<ul style="list-style-type: none">• Students are informed about their progress in their academic performance.• A few students secured ranks in University Examination.• Learning outcomes may be strengthened.

2.3 RESEARCH, CONSULTANCY & EXTENSION:

2.3.1 Promotion of Research:	<ul style="list-style-type: none">• In the College, eight research centres have been recognised by the affiliating University.• Forty-two are Ph. D. guides.
2.3.2 Resource Mobilisation and Research:	<ul style="list-style-type: none">• Total nine faculty members received projects of around Rs. 90 lakhs from various funding agencies.• More research grant may be secured from outside agencies.
2.3.3 Research Facilities:	<ul style="list-style-type: none">• College is granted eight research centres.• Library, laboratories and computer facilities available for research.
2.3.4 Research Publications and Awards:	<ul style="list-style-type: none">• Total 280 research papers published by faculty and students which amounts to less than 0.25 research papers per faculty per year.• Faculty members have published 19 books, many of which are for student study and / or thesis publication.
2.3.5 Consultancy:	<ul style="list-style-type: none">• Civil Engineering Department has provided consultancy to the tune of Rs. 70 lakhs.• Mechanical and Electrical Engineering Departments have provided consultancy of Rs. 1 lakh each.
2.3.6 Extension Activities and Institutional Social Responsibility:	<ul style="list-style-type: none">• Various extension and outreach programmes are carried out through NSS.• Awareness and training programmes for various sections of the society are conducted.• Chiranthana-Renewable Energy promotes eco-friendly life styles, renewable energy devices and energy conservations
2.3.7 Collaborations:	<ul style="list-style-type: none">• College has entered into a few collaborations.

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2.4 INFRASTRUCTURE AND LEARNING RESOURCES:

2.4.1 Physical Facilities:	<ul style="list-style-type: none"> • Institution has well developed infrastructure for running the existing programmes. • Two seminar halls, laboratories, open air auditorium, separate common rooms for girls; canteen and Health Centre are available. • Five generators installed. • Hostels for boys and girls with mess facility available.
2.4.2 Library as a Learning Resource:	<ul style="list-style-type: none"> • Library has 1,08,088 volumes (29.029 titles), e-journals, 42 national and international journals and 30 computers with internet connectivity. • Library is fully automated. • Separate Library building with reading room.
2.4.3 IT Infrastructure:	<ul style="list-style-type: none"> • Adequate number of computers. • Internet facility with 68 mbps bandwidth. • 80 % of Class rooms provided with LCD projectors.
2.4.4 Maintenance of Campus Facilities:	<ul style="list-style-type: none"> • Well maintained college campus. • College has its own maintenance mechanism for buildings, computers and electrical maintenance. • Close circuit TV monitoring system is installed.

2.5 STUDENT SUPPORT AND PROGRESSION:

2.5.1 Student Mentoring and Support:	<ul style="list-style-type: none"> • Financial support and scholarships available to about 50 % students from Government and cash awards to toppers from the management. • College has Anti Ragging Committee, Anti Sexual Harassment Committee and Grievance Redressal Cell.
2.5.2 Student Progression:	<ul style="list-style-type: none"> • Dropout rate is comparatively low. • Student results are satisfactory.
2.5.3 Student Participation and Activities:	<ul style="list-style-type: none"> • Students participated in various sports and won prizes at Inter-University Level. • Students participated in various cultural and extracurricular activities and won prizes. • College Cultural Team bagged championship at inter college youth fest in 2013.

2.6 GOVERNANCE, LEADERSHIP AND MANAGEMENT:

2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> • College has Vision and Mission. • Proactive management. • Management has decentralized its activities for effective implementation of its vision.
2.6.2 Strategy Development and Deployment:	<ul style="list-style-type: none"> • Long term plan is in place. • College has a stated quality policy.

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	<ul style="list-style-type: none"> • Several committees formed for effective functioning of the college.
2.6.3 Faculty Empowerment Strategies:	<ul style="list-style-type: none"> • Self appraisal of faculty in practice. • Group Insurance Scheme for the staff.
2.6.4 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> • Annual external auditing system is in place. • Student fee is the sources of finance.
2.6.5 Internal Quality Assurance System:	<ul style="list-style-type: none"> • IQAC helps in accreditation and in implementing Government, UGC and University policies.

2.7 INNOVATIONS AND BEST PRACTICES:

2.7.1 Environment Consciousness:	<ul style="list-style-type: none"> • Energy conservation efforts are initiated. • Water harvesting system is installed. • College has carried out tree plantation on its campus. • College needs to conduct green audit.
2.7.2 Innovations:	<ul style="list-style-type: none"> • Bio-mass Gasification system with gas engine for power generation installed and the electric power being supplied to institute grid. • Solar systems are installed. • A simple domestic scale waste plastic to petro unit has been designed and developed.
2.7.4 Best Practices	<ul style="list-style-type: none"> • College has setup New Age Incubation Network Centre-NAIN sponsored by Government of Karnataka to encourage faculty members to submit their research ideas and undertake research work.

SECTION III: OVERALL ANALYSIS

	Observations
3.1 Institutional Strengths:	<ul style="list-style-type: none"> • Well-developed infrastructure. • Good public image. • Healthy academic ambience. • Proactive Management
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> • Student catchment area confined mainly to Karnataka. • No focus on consultancy services except Civil Engineering. • Limited research activities.
3.3 Institutional Opportunities:	<ul style="list-style-type: none"> • To be one of the topmost colleges in the Shivamogga District. • Getting more services and support from the alumni. • To get autonomous status.
3.4 Institutional Challenges:	<ul style="list-style-type: none"> • To attract students from other parts of the state. • Preparing the students for competitive scenario. • Establishing linkages with industries particularly for placement.

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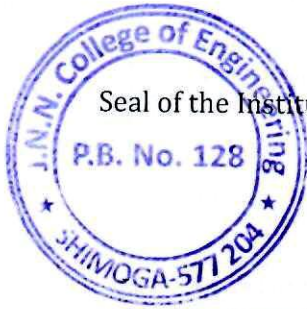
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SECTION IV: RECOMMENDATIONS FOR QUALITY ENHANCEMENT OF THE INSTITUTION

- Green Audit of campus and facilities be carried out by external agency.
- Faculty may be encouraged to pursue research and submit research proposals to state and national bodies like the UGC, AICTE, DST etc.
- Alumni association to be formalised and strengthened.
- Student placement activities need strengthening with core companies.
- Steps may be initiated for national and international collaborations.
- Career Counselling Cell to be established.
- Industrial visits be made a regular practice.
- Students / Institutional Chapters of Professional Bodies be established.

I agree with the Observations of the Peer Team as mentioned in this report.



Seal of the Institution

P.B. No. 128

Hardeep Singh
Signature of the Head of the Institution
Principal

Jawaharlal Nehru National College of Engineering
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PEER TEAM

Name and Designation		Signature with date
Dr. H. J. Jani (Former Vice-Chancellor, C. U. Shah University), (Former Professor & Head, MBA Programme, Sardar Patel University, Vallabh Vidyanagar, Gujarat) Advisor, Charotar University of Science and Tech., Changa - 388 421. Dist. Anand, Gujarat	Chairperson	<i>H. J. Jani</i> 15/8/18
Dr. V Venkatakrishna Former Principal Godavari Institute of Engineering and Technology, Godavari, Andhra Pradesh	Member Co-ordinator	<i>VK</i> 15/8/18
Dr. Hardeep Singh Professor, Dept. of Computer Science & Engineering, Guru Nanak Dev University, Amritsar - 143005, Punjab	Member	<i>Hardeep Singh</i> 15/8/18
Dr. Sujata Shanbhag Deputy Adviser, National Assessment and Accreditation Council Bangalore - 560 072. Karnataka	NAAC Officer	

Place: Shivamogga - 577 204
Karnataka

Date: 18th August 2018