

Peer Team Report on Institutional Accreditation of STES's Sinhgad College of Engineering, Vadgaon (Bk), Pune-411 041, Maharashtra	
Section I	Information
1.1 Name & Address of the Institution	STES's Sinhgadh College of Engineering, Vadgaon (Bk.), Pune – 411 041, Maharashtra
1.2 Year of Establishment	1996
1.3 Current Academic Activities (numbers)	
Faculties / Schools	----
Departments	08
Programmes	UG- 08, PG-15, Ph. D.-4
Permanent Faculty Members	Permanent- 273, Adhoc-46,
Permanent Support Staff	313
Students	UG- 5450, PG- 477, Ph. D.- 97
1.4 Three Major features in the Institutional Context (As perceived by the Peer Team)	1. Self-financing co-educational private institution, 2. Sincere teachers with teacher-student ratio in most departments as per norms, 3. Good infrastructure and proximity to Pune and Mumbai, 4. Easily approachable by air,rail and road.
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure)	Dec. 19 to 21, 2016
1.6 Composition of the Peer Team	
Chairperson	Prof S N Upadhyay, Ex-Director & Professor of Chem. Eng., IT-BHU(now IIT(BHU) , Emeritus Professor, Dept. of Chemical Engineering & Tech., IIT(BHU) Varanasi.
Member Coordinator	Dr. V. Venkatakrishna, Former Principal, Godavari Institute of Engineering & Technology, Hyderabad- 500 028, Telangana .
Member	Dr. B. K. Tripathi, Director, International Institute of Professional Studies (IIPS).
NAAC Officer	Dr Ganesh Hegde, Dy. Advisor

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Section II : CRITERION WISE ANALYSIS	
2.1 Curricular Aspects :	
2.1.1 Curricular Planning and Implementation:	<ul style="list-style-type: none"> • College follows the curriculum set by Savitribai Phule Pune University, Pune. • Very good and effective mechanism of curriculum implementation with the help of College Academic monitoring committee. • Academic diary and course files maintained, Academic audit being practiced. • Participation of Faculty in BOS, academic council and Senate of the university.
2.1.2 Academic Flexibility	<ul style="list-style-type: none"> • Limited academic flexibility due to affiliated nature. • Lateral mobility provided depending on student academic record and examination result. • Skill oriented programs need to be improved.
2.1.3 Curriculum Enrichment	<ul style="list-style-type: none"> • Extension lectures by outside experts are organized. • Seminars, workshops and industrial visits are organized • More emphasis need to be given to value-added courses and exposing students to relevant topics beyond course content
2.1.4 Feedback System	<ul style="list-style-type: none"> • Practice of collecting feedback from students, parents and other stakeholders regarding syllabus, etc. exists • Workshops and seminars on syllabus revision are conducted and suggestions sent to the university • Feedback from alumni and employers on curriculum is conveyed to the University
2.2 Teaching – Learning & Evaluation:	
2.2.1 Student Enrolment and Profile	<ul style="list-style-type: none"> • Website /Advertisement/Education Fairs • Admissions through Govt. common entrance test along with reservation publicities as per state Govt. rules • College organizes seminars at the college to highlight about the engineering education to OBC, SC/ST and other students of other categories

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2.2.2 Catering to Student Diversity	<ul style="list-style-type: none"> • Orientation and bridge courses for newly admitted students organized • Special educational, learning needs are well taken care of and mentor system for every 20 students exists • Special efforts like counseling to student's parents and financial support to students
2.2.3 Teaching-Learning Process	<ul style="list-style-type: none"> • Course wise academic calendar prepared before commencement of semester • Tutorial problems, assignments, internal sessional examination, group discussions, project work are integral part of curriculum • ICT based learning - NPTEL with IITB, Virtual lab portal, E- learning web portals like MOOC available
2.2.4 Teacher Quality	<ul style="list-style-type: none"> • Good teacher and student ratio • 44 faculty with Ph.D. rest are with PG qualifications • 71 teachers got awards and recognitions & published books. • ICT based methods available to improve teaching quality
2.2.5 Evaluation Process and Reforms	<ul style="list-style-type: none"> • Evaluation process is formulated by the University and followed religiously • Both formative and summative assessment methods are adopted for student evaluation • QALR/AMCAT/Employability test are conducted to evaluate students
2.2.6 Student Performance and Learning Outcomes	<ul style="list-style-type: none"> • Performance of the students in the University examinations is fairly good at UG level and moderate at PG level • Students are securing university ranks. • Most of the placements in IT sector. • Well-structured learning outcome assessment plan is in place

2.3 Research, Consultancy & Extension

2.3.1 Promotion of Research	<ul style="list-style-type: none"> • 4 departments are University recognized centers of research • Research committee is existing and giving effective recommendation • Financial and other incentives to faculty who are pursuing research, awards for best publications are given • Financial support for participating in
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	conferences/seminars, etc. are provided
2.3.2 Resource Mobilization for Research	<ul style="list-style-type: none"> • Adequate budgetary provision for research • External cash flow for research is satisfactory, but can be enhanced through the availability of faculty with Ph. D. degree • Intra-disciplinary and collaborative research needs to be improved
2.3.3 Research Facilities	<ul style="list-style-type: none"> • Adequate computational and library facilities are available • Infra-structure in some research labs need to be improved and new laboratory be established • Attempts need to be made to utilize research facilities of local industries and institutions
2.3.4 Research Publications and Awards	<ul style="list-style-type: none"> • Good number of publications in journals and conferences by faculty • 36 national patents have been filed by faculty & 12 are published • Several research awards bagged by faculty and students on their published/presented papers
2.3.5 Consultancy	<ul style="list-style-type: none"> • Rupees 1.12cr generated through consultancy in last four years • Tie-ups with industries through MOUs • Steps are required to get more revenue through consultancy
2.3.6 Extension Activities and Institutional Social Responsibility	<ul style="list-style-type: none"> • Faculty and students organize out-reach programs for faculty, students and common masses • Several social activities – Women's Day, Blood Donation, Environmental Awareness, etc. are organized on regular basis • Village adoption by NSS and awareness program on family planning, AIDS information, computer education for primary school students, hemoglobin check are organized. • NSS unit receiving funds from university and institute.
2.3.7 Collaborations	<ul style="list-style-type: none"> • Good no of MOUs signed with industries for collaboration and establishing labs • Several Workshop/Conferences organized with the help of industries

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2.4 Infrastructure and Learning Resources	
2.4.1 Physical Facilities	<ul style="list-style-type: none"> • Adequate class rooms, seminars Halls, Labs, and Faculty cabins available • Indoor, Outdoor Games, GYM, Swimming pool, Open Air Theater exist • Purified water, ATM, Bank, Post office, Hostels, campus clinic, Medical & General stores exist
2.4.2 Library as a Learning Resource	<ul style="list-style-type: none"> • Library advisory committee with staff and student representation exist • Exclusive library with total area 6870 sq. m with total seating capacity of 1200, operates 24 hours a day • Digital library with 30 system to access E-journals & ICT based Learning. • SLIM Library automation with barcode, OPAC & reprographic facility available
2.4.3 IT Infrastructure	<ul style="list-style-type: none"> • 1100 computers, 100 printers, 3 plotters, good number of servers available. • Wi-Fi campus with 45 Mbps, 100Mbps Internet Facility. • Firewall & other necessary licensed software available • Adequate budget provision for IT Procurement & Maintenance
2.4.4 Maintenance of Campus Facilities	<ul style="list-style-type: none"> • Separate maintenance in-charges are available for buildings, power problems, lab equipment. • Maintenance mechanism is in place • 800 kVA Express electricity line, 500 kVA generator, UPSs constant water supply and electronic surveillance available • Fire safety devices/equipment are in place

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2.5 Student Support and Progression	
2.5.1 Student Mentoring and Support	<ul style="list-style-type: none"> • All eligible UG/PG students get central/state government scholarships, Fee waiver to the financially weaker & merit students. • Health center, Accidental Medical Insurance, ambulance and special arrangements for physically disabled students • Academic, personal, psychological, social and carrier counseling provided. Remedial classes for slow learners, coaching for GATE, GRE, CAT and skill development programs exist • Number of students appearing/qualifying in GATE is on the rise.
2.5.2 Student Progression	<ul style="list-style-type: none"> • Pass percentage in university examination is very good and is better than that in the other institutions affiliated to the university • Special attention and efforts are taken to improve the performance of weaker students • Around 50% students are placed in various industries and 155 students become entrepreneurs • Few students are opting for higher studies.
2.5.3 Student Participation and Activities	<ul style="list-style-type: none"> • Institute provides sufficient recreational facilities to the students. • Student participation in sports, cultural & social activities is commendable • Proper student representation in college committees & student council elected through online elections exists. • Students need to be encouraged to publish papers, design and develop technical projects of rural and contemporary significance

2.6 Governance, Leadership and Management

2.6.1 Institutional Vision and Leadership	<ul style="list-style-type: none"> • Well publicized Mission and Vision and encouragement to active participation of all concerned in realizing the same • Governing body and college administration are committed to provide quality education and for holistic development of students • College administration follows a democratic
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	<p>approach, various committees help the principal</p> <ul style="list-style-type: none"> • Administration gives due cognizance to the recommendations of various statutory bodies; encouragement to such committees at all levels
2.6.2 Strategy Development and Deployment	<ul style="list-style-type: none"> • Development and deployment strategy is finalized by the Governing Board on the basis of feed- back from all stake holders- faculty, staff, students, parents, etc. • Well planned strategy for improving teaching-learning, R&D activities, enhancing industry-institute partnership. • Practice of promoting innovation and entrepreneurship exists. • Efforts are needed to get autonomous status from the affiliating University/State Government/UGC
2.6.3 Faculty Empowerment Strategies	<ul style="list-style-type: none"> • Teachers are encouraged to attend seminars and present papers in conferences and workshops. FDPs are arranged; Non-Ph.D. faculty are encouraged to do Ph. D. • Skilled development and training programs for supporting staff are organized • Faculty and Staff welfare schemes exist • Well-designed performance appraisal system for both teaching and non-teaching staff exists
2.6.4 Financial Management and Resources Mobilization	<ul style="list-style-type: none"> • Internal and external audit of accounts performed regularly • Fees collected from the students are the major source of income along with financial support from the Society • Some departments are earning money through consultancy. • Concerted efforts are needed to obtain more funding from external funding agencies
2.6.5 Internal Quality Assurance Systems	<ul style="list-style-type: none"> • IQAC established with external members as per norms. IQAC decisions are communicated to the Principal and Management for necessary action. All stake holders are also made aware of these • Internal Academic Audit is being practiced • The statutory conditions are reviewed in IQAC meetings

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2.7 Innovations and Best Practices	
2.7.1 Environment Consciousness	<ul style="list-style-type: none"> • Faculty and students participate in environmental consciousness programs such as nurturing existing trees, tree plantation, public awareness programs, etc. • Efforts are underway to make the college a green campus • Energy conservation, use of renewable energy, carbon neutrality, hazardous management are well taken care
2.7.2 Innovations	<ul style="list-style-type: none"> • Automatic water pumping urinal system. • GEMS-ERP software for feedback system, Online registration of students, student's attendance monitoring system • Audio Visual lectures through K-point • Induction programs for new faculty through senior faculty
2.7.3 Best Practices	<ul style="list-style-type: none"> • Emphasis on student training programs(STP) for improving employability • Creation of research infrastructure for increasing research environment

Section III : OVERALL ANALYSIS	Observations
3.1 Institutional Strengths	<ul style="list-style-type: none"> • Management with good reputation and legacy • Good infrastructure for engineering courses • Encouragement to students to participate in academics and extra-curricular as well as co-curricular activities • Good retention of senior faculty & liaison with institutes/organizations of national repute • Student training program for better placements • Good library facility with 24*7 working
3.2 Institutional Weakness	<ul style="list-style-type: none"> • Shortage of faculty with PhDs • Moderate interaction and collaboration with the industries • Establishing of incubation centers with the help of industries
3.3 Institutional Opportunities	<ul style="list-style-type: none"> • College has the potential to develop as a center for engineering education in the area • Introduction of job-oriented add-on courses can be easily attempted • Support from industrial belts of Mumbai

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	<p>and Pune in the state</p> <ul style="list-style-type: none">• Widening scope for consultancy and adding financial resource
3.4 Institutional Challenges	<ul style="list-style-type: none">• To attract meritorious students to seek admission in various programs• To capture top ranks of the University in all academic programs• To create centers of potential for excellence• To attract and retain highly qualified experienced faculty.• To provide placement with good package in core branches

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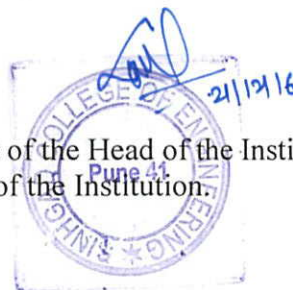
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Section IV : Recommendations for Quality Enhancement of the Institution

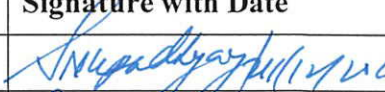
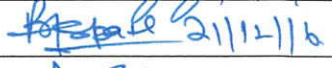
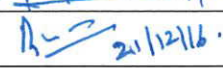
- Remaining departments need to be made active centres for research.
- More experienced faculty with Doctorate Degree need to be appointed.
- MOUs with MNCs and reputed institutions to improve the Placements.
- Internship programmes for students and faculty need to be enhanced.
- Faculty should be encouraged to publish more papers in refereed International Journals. The college administration should think about giving appropriate incentives to performing faculty.
- Faculty be encouraged to attract research support from external and Govt. agencies.
- The management should formalize a proper mechanism for providing seed grants to young faculty for research.
- Special arrangements be made for improving the communication skill of students. Language lab and Communicative English could be offered to all students.
- More community outreach programmes are needed in nearby villages under extension programmes.
- Transport facility need to be provided for second shift students and staff.
- Foreign student cell needs to be activated and made proactive to look after the Visa issues and other problems.
- Non-teaching staff needs counselling for dealing with students more polite in their behaviour.

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

Signature of the Head of the Institution
Seal of the Institution.



Signatures of the Peer Team Members:

Name and Designation	Designation	Signature with Date
Prof. S. N. Upadhyay	Chairperson	 21/12/16
Dr. B. K. Tripathi	Member	 21/12/16
Dr. V Venkata Krishna	Member Coordinator	 21/12/16
Dr. Ganesh Hegde, Asst. Advisor	NAAC Officer	

Place: Pune

Date: 21.12.2016