Peer Team Report
on
Institutional Accreditation
Of

Jayawantrao Sawant College of Engineering, Pune – 411 028, Maharashtra

Track ID: MHCOGN27350

September 11-13, 2017

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Antonomous Institution of the University Grants Commission
P.O.Box No. 1075, Nagarbhavi, Bengaluru – 560 072

PEER TEAM REPORT

Institutional Accreditation of Jayawantrao Sawant College of Engineering, Pune – 411 028, Maharashtra (Cycle-1)

State: Maharashtra

SECTION-I CRITERION-WISE REPORT

SECTION-I GENERAL	INFORMATION
1.1 Name & Address of the Institution	Jayawantrao Sawant College of Engineering, Pune – 411 028, Maharashtra
1.2 Year of Establishment	2004
1.3 Current Academic Activities at the Institution (numbers)	
• Faculties/Schools	Engineering and Management
• Departments/Courses	08
• Programme/Courses offered	UG: 05 and PG: 06
• Permanent Faculty Members	186
• Permanent Support Staff:	122
• Students:	2264
1.4 Three major features in the institutional context (As perceived by the Peer Team)	• Catering the needs of students with rural background • Good ambience of campus • Sufficient Physical and laboratory infrastructure
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be Included as Annexure)	September 11-13, 2017
1.6 Composition of the Peer Team which undertook the on-site visit	
Chairperson	**Prof. Shashi K. Dhiman**
Member – Coordinator	Prof. M.B. Shukla
Member	Dr. K.N. Subramanya
Member	Prof. Sumant Katiyal

Section II: CRITERION WISE ANALYSIS Observations (Strengths and/or Weaknesses) on Key-Aspects	
2.1 Curricular Aspects:	
2.1.1 Curricular Planning and Implementation:	• Institute follows the curricula designed by the affiliating University. • Academic calendar and lesson plan are in place, uploaded on the website. • Some of the members are a part of BOS of university & participate in curriculum development
2.1.2 Academic Flexibility:	• CBCS is introduced • Limited elective options • Inter department mini/main projects are required to be carried out
2.1.3 Curriculum Enrichment:	• Summer trainings, workshops and guest lectures are organized • Original Facile Approach (OFA) is used for enhancing learning • Value added courses to be strengthened.
2.1.4 Feedback System:	• Feedback from stakeholders is in place • Faculty participate in the orientation meetings organized by the university • Feedback to be effectively used

2.2 Teaching-Learning & Evaluation:	
2.2.1 Student Enrolment and Profile:	• Adopted transparent and merit based admission process through centralized counseling, conducted by DTE, Govt. of Maharashtra • Majority of the students have rural background • Scope to attract merit students
2.2.2 Catering to Student Diversity:	• Satisfactory gender ratio. • Remedial classes conducted for slow learners • Support for differently-abled students to be strengthened
2.2.3 Teaching-Learning Process:	• Traditional teaching-learning method is supplemented with modern ICT facilities • Understanding of Outcome Based Education and mapping of CO-PO to be improved. • Learning is enabled through mini projects / seminars/workshops group discussions & industrial visits.
2.2.4 Teacher Quality:	• Faculty recruitment as per AICTE and state govt. norms • Faculty attends workshops / seminars regularly • Poor cadre ratio
2.2.5 Evaluation Process and Reforms:	• Internal Assessment System in place • Mechanism in place for continuous monitoring and assessment • Centralised online evaluation system
2.2.6 Student Performance	• Satisfactory results of the students in the UG/PG examinations

and Learning Outcomes:	conducted by university • First pass yield to be improved • New technologies are deployed to enhance student learning

2.3 Research, Consultancy & Extension:

2.3.1 Promotion of Research:	• Research Advisory Committee constituted • Some teachers are research supervisors. • Limited industry institution collaboration
2.3.2 Resource Mobilization for research:	• Sponsored research projects from DST / ISRO exists. • Liberal institution support for research • CDC of affiliating university arranges fund for research
2.3.3 Research Facilities:	• One research center in Mechanical Engg. Developed. • Well equipped departmental labs • Efforts to be made to attract research scholars.
2.3.4 Research Publications and Awards:	• Few faculty members have published in peer reviewed journals • Faculty members are encouraged to file patents • Efforts from management required for international exposure of faculty
2.3.5 Consultancy:	• Policy for consultancy and testing to be developed
2.3.6 Extension Activities and Institutional Social Responsibility:	• One unit of NSS is in place • Social awareness programs to be enhanced • Blood donation and other related activities are being conducted
2.3.7 Collaborations	• Limited collaboration and linkages exist with national bodies and industries • Efforts to be made to establish collaboration with foreign universities

2.4 Infrastructure and Learning Resources:

2.4.1 Physical Facilities:	• Adequate classrooms, laboratories and seminar halls available • Hostel for girls is situated inside campus • Sports facilities including gymnasium and maintenance to be improved
2.4.2 Library as a Learning Resource:	• NPTEL, internet and reprographic facilities are functional • Library is partially automated • SC/ST book bank to be separately maintained
2.4.3 IT Infrastructure	• ICT enabled classrooms and LAN are in place • Fully developed computer labs with wifi facility • Internet bandwidth of 48 Mbps needs enhancement
2.4.4 Maintenance of Campus Facilities	• Green and eco-friendly campus • Maintenance of equipment to be enhanced • Common rooms for boys and girls be strengthened

2.5 Student Support and Progression:

2.5.1 Student Mentoring and Support	• Kala Mandal is developed for social and cultural programs • Fee waiver scheme exists as per state govt policy

	• Student information system like prospectus / bulletin etc are available
2.5.2 Student Progression	• Guardian faculty mentoring process exists • Limited student progression • Placement process to be strengthened
2.5.3 Student Participation and Activities:	• Better Students' representation in curricular and extra-curricular activities • Registered alumni association is in place • Students participation in sports activities to be encouraged

2.6 Governance, Leadership and Management:

2.6.1 Institutional Vision and Leadership:	• Vision and Mission of the institute are clearly defined • Committee Management exists • Proactive leadership exists
2.6.2 Strategy Development and Deployment	• Co-ordinating committees are constituted • Perspective plan to be formulated • Manpower policies are to be designed and implemented
2.6.3 Faculty Empowerment Strategies	• Welfare mechanism for teaching & non teaching staff exists • Support system for professional development be developed • Performance appraisal system to be strengthened
2.6.4 Financial Management and Resource	• Tuition fee is the main resource generation • Transparent financial disclosures be developed • Auditing mechanism be strengthened
2.6.5 Internal Quality Assurance System:	• IQAC be constituted as per norms • IQAC be involved in performance appraisal system

2.7 Innovations and Best Practices:

2.7.1 Environment Consciousness:	• Eco friendly initiatives are in process • Swachhata Mission is under implementation • Energy conservation program is in place
2.7.2 Innovations:	• 33 patents are filed and 2 have been granted • Lab as museum is in place, for better learning • Open source softwares are used in labs
2.7.3 Best Practices:	• Better ICT facilities for teaching learning process • Better student support services • Student centric learning activity

Section III: OVERALL ANALYSIS
Observations

3.1	Institutional Strengths:	• Better brand image of the institution • Adequate physical infrastructural facilities • Catering to rural students • ICT enabled teaching and learning • Better Gender ratio
3.2	Institutional Weaknesses:	• Poor cadre ratio • Poor resource generation from central and state funding agencies • Lack of formal consultancy services • Centralized financial management practices • Poor sports support system
3.3	Institutional Opportunities:	• Enhancing value added courses • Motivation for research activities • Industry – Institution collaboration • Decentralize financial powers • Better utilization of infrastructure
3.4	Institutional Challenges:	• Improving communication skills among students • Improving research culture among faculty members • Improving effectiveness of training and placement services • Developing linkages / collaboration with premier institutions / industries • Formulating perspective plan

Section IV: Recommendations for Quality Enhancement of the Institution

- Appointment of qualified faculty to maintain cadre ratio as per AICTE norms
- Planning and implementing Outcome Based Education (OBE) system effectively
- Taking initiative for developing communication and soft skill among students
- Providing facilities to students for participating in competitive examinations including GATE / GRE / NET / TOEFL/GMAT / UPSC.
- Ensuring decentralization of management structure
- Channeling institutional financial resource system
- Enhancing quality of Placement
- Introducing more value added and skill based courses for better job prospects
- Strengthening formal feedback analysis system
- Developing integrated ERP system for academic administration

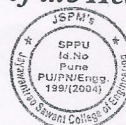*I agree with the Observation of the Peer Team as mentioned in this report.*

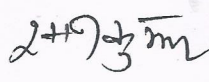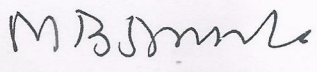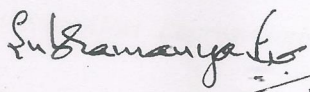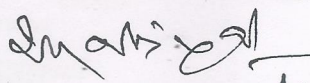Signature of the Head of the Institution

PTR on Jayawantrao Sawant College of Engineering, Pune – 411 028, Maharashtra

Principal
J.S.P.M's Jayawantrao Sawant
College of Engineering
Hadapsar, Pune - 411 028

SPPU
Id.No
Pune
PU/PN/Engg.
199/(2004)

Signature of the Peer team Members:

Name and Designation		Signature with date
Prof. Shashi K. Dhiman (Former Vice Chancellor, H.P. Technical University) Professor, Department of Physics, Himachal Pradesh University, Gyan-path, Summer Hill, Shimla – 171005, Himachal Pradesh	**Chairperson**	13. 9. 2017
Prof. M. B. Shukla Professor Dept. of Management Mahatma Gandhi Kashi Vidyapeeth Varanasi – 221 002, Uttar Pradesh	**Member Co-coordinator**	MBShukla 13.9.17
Dr. K. N. Subramanya Principal, R V College of Engineering (Autonomous), R. V. Vidyaniketan Post, 8th Mile, Mysore Road, **Bangalore-560 059,** Karnataka	**Member**	Subramanya 13/9/17
Prof. Sumant Katiyal *(Professor School of Electronics, Devi Ahilya University)* Resi: 578, Sneh Nagar, Navlakha, **Indore – 452 001,** Madhya Pradesh	**Member**	13/09/17
Dr. Ganesh Hegde Deputy Advisor, National Assessment and Accreditation Council P.O. Box. No. 1075, Opp to NLSIU, Nagarbhavi, Bangalore – 560 072, Karnataka	**NAAC Officer**	

Place: Pune

Date: September 13, 2017