Peer Team Report

on

Institutional Accreditation

of

KOLHAPUR INSTITUTE OF TECHNOLOGY'S
COLLEGE OF ENGINEERING
Kolhapur – 416 234, Maharashtra

21ˢᵗ – 23ʳᵈ January, 2015

PEER TEAM REPORT ON
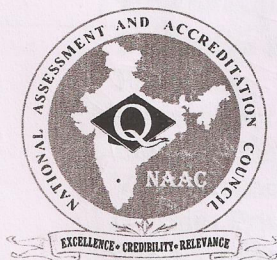
Institutional Assessment and Accreditation of Kolhapur Institute of Technology's College of Engineering, Kolhapur - 416 234, Maharashtra

Section: General Information	
1.1 Name & Address of the Institution:	Kolhapur Institute of Technology's College of Engineering, Kolhapur - 416 234, Maharashtra
1.2 Year of Establishment:	1983
1.3 Current Academic Activities at the Institution (Number):	
• Faculties/ Schools:	*Engineering*
• Departments / Centres :	09
• Programmes/Courses offered: • Self-financed Courses:	09 U.G Programme, 04 P.G Programmes
• Permanent Faculty Members: • Temporary Teachers :	188 NIL
• Permanent Support Staff:	112
• Students:	3001
1.4 Three major features in the institutional Context(As perceived by the Peer Team):	• Three decade institute. • MOODLE Server used in teaching learning. • Some programmes accredited twice by NBA
1.5 Date of Visit of the Peer Team (A detailed visit schedule may be included as Annexure):	21st – 23rd January 2015 (Detailed visit schedule attached)
1.6 Composition of the Peer Team which undertook the on-site visit:	
Chairperson	**Prof. Dr. (Mrs) K. Meena** Former Vice Chancellor Bharathidasan University Res. Old No. 22, New No. 18 Warners Road, Cantonment Tiruchirappalli – 620 001, TamilNadu
Member Co-ordinator	**Dr.Amiya Kumar Rath** Professor Department of Computer Science and Engineering Veer Surendra Sai University of Technology (Former Principal, DRIEMS, Bubaneshwar) Burla, Sambalpur – 768018, Odisha
Member	**Prof. N. Alagumurthi** Professor Dept. of Mechanical Engineering Pondicherry Engineering College Pondicherry – 605 014
NAAC Officer	**Dr. Ganesh Hegde,** Assistant Advisor, NAAC, Bangalore

(Dr K. Meena)
23/1/15

Section II: CRITERION WISE ANALYSIS	
2.1 Curricular Aspects	
2.1.1 Curricular Planning and Implementation	• Curriculum as prescribed by University. • Academic diary/course file maintained by every faculty member/ central academic audit identify the areas of improvement. • Few faculties represent BOS in university.
2.1.2 Academic Flexibility	• Elective options as per university norms. • CBCS available for PG Programmes. • Various certificate / Diploma / Skill Development programmes available.
2.1.3 Curriculum Enrichment	• University curriculum is supplemented by providing skill development programmes, paper presentation competition and participation of students in research projects. • Add on courses, specialized courses and value added courses are conducted to meet the need of the students. • Institute is a nodal centre of NMEICT to offer short term courses to student and faculty.
2.1.4 Feedback System	• Feedback system is in place. • Feedback obtained by the Stakeholders' reported to Board of Studies towards curriculum Development. • Feedback is collected from students at the end of semester on effectiveness of the curriculum.
2.2 Teaching-Learning & Evaluation	
2.2.1 Student Enrolment and Profile	• Admissions through wide publicity / Centralized admission process of DTE, Maharashtra State Government. • Caters to the needs of economically weaker section students. • Enrollment process is transparent.
2.2.2 Catering to Student Diversity	• Remedial Classes for Slow Learners / Additional tips and training, special GATE coaching for Advanced Learners. • Teacher Mentor system exists/book bank facility provided to needy students.

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	• Identifies knowledge gaps in the curriculum and include some course contents in the lesson plan.
2.2.3 Teaching – Learning Process	• Instructional design and delivery system/periodical assessment system exists. • Different teaching methodology and E-learning system adopted by the faculty. • NPTEL video lectures/massive open online course (MOOC)/Web based course management MOODLE server installed to enhance teaching-learning.
2.2.4 Teacher Quality	• Recruitment as per AICTE norms. • Evaluation of teachers by the students is done through online students' feedback system. • Percentage of faculty as resource person in workshops/ seminars/ conferences is encouraging.
2.2.5 Evaluation Process and Reforms	• Evaluation done through central assessment process by the University. • Grievance redressal for evaluation exists. • Examination cell needs IT support.
2.2.6 Student Performance and Learning Outcomes	• Good performance in university examination results / University Ranks. • Learning outcomes are introduced. • Processes in place to assess the attainment of learning outcomes, however it has to be enhanced.
2.3 Research, Consultancy & Extension	
2.3.1 Promotion of Research	• Research Committee exists/Funds provided for patents and Research. • Faculties are encouraged to undertake research. • Different department organizes workshops/training programme to promote research culture.
2.3.2 Resource Mobilization for Research	• Funds received for major projects / students' research projects from NABARD, Pune / AICTE, New Delhi/SERB, New Delhi and other funding agencies. • Industry sponsored lab facilities is in place. • Research collaborations with reputed institutions and industries needs to be strengthened.
2.3.3 Research Facilities	• Research laboratories exists which are availed by faculties and students. • Introduced "BEST RESEARCH PROJECT" scheme for UG students. • Budget allocated for research

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	activities/financial support to faculty/sponsorship to students exists.
2.3.4 Research Publications and Awards	• Good number of research publication/ some patents filed. • Faculty members / students received research awards by various National / International Seminar / Conference which includes FIE Foundational National Award / President of India Gold medal etc., • Research awards to faculties needs to be initiated.
2.3.5 Consultancy	• Consultancy Policy for sharing of income is in place. • Revenue generation through consultancy available. • Consultancy culture needs to be enhanced.
2.3.6 Extension Activities and Institutional Social Responsibility	• Activities related to ISR is very good. • Extension activities/remarkable social service rendered by NSS cell is reaching the society. • Institute implements "earn while learn" scheme of the University.
2.3.7 Collaborations	• Research & Development cell / Entrepreneurship Development Cell / Industry – Institute Partnership cell established. • Linkages resulted in curriculum development/ enrichment, internship/ on-the-job-training, summer placement, faculty exchange and professional development, research, consultancy, extension, publications and student placement.
2.4 Infrastructure and Learning Resources	
2.4.1 Physical Facilities	• Adequate physical facilities in place. • Canteen facility / Seminar Halls Botanical Garden / Laboratories / specialized facilities & equipment for teaching learning / play ground etc. available. • In house boys' and ladies hostel exists.
2.4.2 Library as a Learning Resource	• Library has good number of Text books/ Reference Books/e-Resources / Reading Hall/e-journals etc available • Wi–fi facility/book bank facility available. • Best Reader Award to faculty and students to be initiated/e-resources to be uploaded in the server.

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2.4.3 IT Infrastructure	• Adequate number of computers/E-learning resources available. • Internet bandwidth to be increased. • MIS/ERP needs to be strengthened.
2.4.4 Maintenance of Campus Facilities	• Budget allocation for maintenance exists. • Infrastructure co-ordinator takes care of overall developmental and maintenance work. • Maintenance of campus needs to be improved.
2.5 Student Support and Progression	
2.5.1 Student Mentoring and Support	• Student Council / Student Redressal Committee / Sexual Harassment Committee / Anti Ragging Committee / Career Guidance and Placement Cell/ exists. • Adequate student welfare schemes provided however transport facility may be introduced. • Merit scholarships to be introduced.
2.5.2 Student Progression	• Coaching provided for students to attend various Competitive Examinations like GMAT / CAT / GATE / URE / TOFFEL other State and Central services. • Special mentoring is provided to students to reduce the dropouts. • Pass percentage of students' from first year to second year needs attention.
2.5.3 Student Participation and Activities	• Active participation of students in co-curricular / extra – curricular / sports activities. • Students' council is in place for active student participation. • Students encouraged to publish articles in college magazine.
2.6 Governance, Leadership and Management:	
2.6.1 Institutional Vision and Leadership	• Institutional Vision, Mission, Goals and objectives are well aligned. • Academic and Administrative committees meets periodically to ensure proper functioning of the college. • Governing council is in place which reviews developments and budgets periodically.
2.6.2 Strategy Development and Deployment	• Institute has formulated perspective plans for the developmental activities. • Institute has a well defined organizational structure to take care of policy decisions regarding academic and administrative affairs.

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	• Grievance redressal mechanism in place.
2.6.3 Faculty Empowerment Strategies	• Limited academic freedom. • Institute organizes in house faculty development programmes, administrative skill developmental programmes, value based programmes and teaching-learning courses to enhance professionalism. • Staff appraisal system is in place.
2.6.4 Financial Management and Resource Mobilization	• Financial resources mainly from fee collected from students. • Adequate budgetary provision/internal and external audit is in place / Reserve / Corpus fund is maintained. • Participation of alumni in resource generation is inadequate.
2.6.5 Internal Quality Assurance System	• IQAC cell is active in planning and implementation of various activities of the institution. • Academic audit is conducted by the peer department committee. • IQAC may conduct skill upgradation programme for the non teaching staff.
2.7 Innovations and Best Practices	
2.7.1 Environment Consciousness	• Eco-friendly campus / Energy conservation / Rain water Harvesting / Medicinal Plants Plantation/ Tree Plantation done. • Environmental Awareness campaigns – world water day / ozone day / Earth warm day conducted. • Only institute offers environmental engineering programme in the state of Maharashtra.
2.7.2 Innovations	• Value Added Training Programmes in STADDPRO, GIS, etc., for civil engineering, students / EMS, OHSAS, for pre final and final year Environmental students. • Training of Electronics, E&TC Engineering students in Automotive Electronics under PACE. • 'ONE KIT' – a drive for enhancing industry – institute interaction/ 6 patents filed.
2.7.3 Best Practices	• Online students Feedback system / Best outgoing Student Award / Providing special leaves for higher studies and attending courses / Creation of medicinal plant park. • Language Lab facility / Wi-Fi facility available for staff and students.

(B. K. Magra)
23/1/15

|	• Coaching for competitive examinations / more elective options / knowledge enrichment / valued added programmes for students. • Revenue generation through consultancy services / funded projects. • Students empowerment through co-curricular / extracurricular / Extension activities.
Section III: OVERALL ANALYSIS	
3.1 Institutional Strengths	• Adequate physical infrastructure and facilities. • Strong industrial relationship. • Proactive management. • Promotion of co-curricular and extra curricular activities. • Institute has lifetime membership of ISTE, CSI, IIPE, ICTE and IEEE.
3.2 Institutional Weaknesses	• College has not attracted externally funded research projects. • Very few faculties with Ph.D qualifications • Research/ consultancy work not taken up actively. • Inter – departmental Linkages Minimal.
3.3 Institutional Opportunities	• To get autonomous status. • Potential to contribute to economic development of region. • Introduction of more innovative programmes. • Involving PG students in R & D consulting activities.
3.4 Institutional Challenges	• To maintain the quality of Education to compete with the other neighbouring institutes in the region. • Retain/ strengthen the experienced and qualified senior faculty members. • To have more sponsored research projects. • Inculcate research culture. • Inter-disciplinary research projects/ grants.

(Dr. k. Meena)
23/1/15

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)

- Various short term/ skill development programme to be introduced.
- Inter-Departmental linkages to be established.
- Formation of Research Centres in thrust areas be initiated.
- Formation of incubation centers as a part of Industry institute interface.
- Preparation of specialized learning materials along with CDs/DVDs for all courses to be made available to students.
- Introduction of new innovative programmes and integrated technology management programmes to be introduced.
- Encourage faculty members to undertake applied research.
- Socially relevant projects to be undertaken.
- Faculty Membership in professional bodies to be strengthened.
- Village adoption scheme in NSS to be strengthened.

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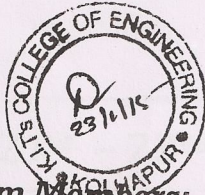
Signature of the Head of the Institution

Seal of the Institution

Principal,
KIT's College of Engineering, Kolhapur

Signatures of the Peer Team Members:

Name and Designation		Signature with date
Prof. Dr. (Mrs). K. Meena	Chairperson	23/1/15
Dr. Amiya Kumar Rath	Member Co-ordinator	23/1/15
Prof. N. Alagumurthi	Member	23/1/15
NAAC Officer Name: Dr.GaneshHegde	Assistant Adviser	

Place: Kolhapur

Date: 23/1/15