

Peer Team Report

on

Institutional Assessment and Accreditation

(First Cycle)

of

**Adarsh Institute of Technology and
Research Centre**

Vita – Sangli, Maharashtra

3rd – 4th October 2017



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA

MHCOGN27158
(Accreditation-Cycle-I)

Peer Team Report on Institutional Accreditation (First Cycle) of
Adarsh Institute of Technology & Research Centre
Vita – Sangli, State: Maharashtra

Date: 3rd – 4th October 2017

Section I: GENERAL INFORMATION	
1.1 Name & Address of the Institution:	Adarsh Institute of Technology & Research Centre Place: Vita – Sangli, State: Maharashtra
1.2 Year of Establishment:	2008
1.3 Current Academic Activities at the Institution (Numbers)	
Faculty/Schools	One (01), Engineering
Departments/Centres	Four (04)
Programmes/Courses offered	04 (BE)
Permanent Faculty Members	64 (Male : 54 & Female : 10)
Permanent Support Staff	53 (Male : 49 & Female : 04)
Students	UG: 694
1.4 Three Major features in the institutional Context (As perceived by the Peer Team)	<ul style="list-style-type: none"> • Affiliated engineering college offering only UG Programs • Catering mainly to the rural area • Dedicated and committed management
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	03 rd and 04 th October, 2017 Detailed visit schedule attached
1.6. Composition of the Peer Team which undertook the on-site visit:	
Chairperson	Prof H P Khincha
Member- Coordinator	Dr Pratosh Bansal
NAAC Officer	Dr Ganesh Hegde

Section II: CRITERION WISE ANALYSIS	Observations (Strengths and/or Weaknesses) on Key-Aspects
2.1 Curricular Aspects:	
2.1.1 Curricular Planning & Implementation:	<ul style="list-style-type: none"> • Following curriculum prescribed by Shivaji University, Kolhapur and Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere (For First Year) • Academic calendar with teaching plan prepared • Contribution in Curriculum planning for affiliating university yet to come
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> • Follow semester pattern for all the programs • Elective subject options for II yr to IV yr as per the curriculum of the Shivaji University • CBCS for the I Yr as per the curriculum of the DBATU, Lonere
2.1.3 Curriculum Enrichment:	<ul style="list-style-type: none"> • Supplementing the Curriculum through workshops and training programs • Use of Digital Library and NPTEL initiated • Lectures of prominent academicians and industry experts to share experience and knowledge
2.1.4 Feedback System:	<ul style="list-style-type: none"> • Mechanism to obtain feedback from students and other stakeholders in place • Online feedback system initiated • Feedback on facilities, management and other stake holders missing (360⁰)
2.2 Teaching-Learning & Evaluation:	
2.2.1 Student Enrolment and Profile:	<ul style="list-style-type: none"> • Transparent admission process as per Directorate of Technical Education (DTE), Government of Maharashtra • Students mostly from nearby villages • Reservation policy as per State and Central government norms • Admission percentage is matter of concern
2.2.2 Catering to Student Diversity:	<ul style="list-style-type: none"> • Mentoring system is in place • Remedial classes conducted for slow learners • Tuition Fee Waiver for economically weaker section students • No provision for differently abled students
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> • Planning and proper delivery of teaching schedule in the beginning of every session • Field visits and student based mini projects to enhance critical thinking

	<ul style="list-style-type: none"> • Minimal use of ICT for class room teaching • Adjunct faculty from industries low
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> • Only three (03) teachers are Ph D holders • Faculty recruitment and promotion policy need more attention • Cadre ratio not maintained • Diversity in faculty recruitment missing
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> • Examination and evaluation process as per the norms of the Shivaji University, Kolhapur and DBATU, Lonere • Examination Cell monitors the activities • Student and faculties are informed about evaluation system in advance with schedule • Grievances redressed towards examination as per the norms of the university
2.2.6 Student Performance and Learning Outcomes:	<ul style="list-style-type: none"> • Average result in all the departments • Process of defining and mapping Program outcomes and course outcomes initiated • Student exposure to outside world especially national reputed institutions and industries is limited
2.3 Research, Consultancy & Extension:	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> • Recently appointed Dean, Research • Motivation for research is low • Some of the teachers are pursuing Ph D
2.3.2 Resource Mobilization for Research:	<ul style="list-style-type: none"> • Limited internal fund for research • No externally funded research project • Industry funding for research needs initiation
2.3.3 Research Facilities:	<ul style="list-style-type: none"> • No infrastructure for research • Efforts observed for involvement of students in some industrial projects in Mechanical Engineering • Lack of software for research purpose
2.3.4 Research Publications and Awards:	<ul style="list-style-type: none"> • Insignificant publication ratio in reputed journals • Few UG students published research papers • Plagiarism check policy not exists • Limited local awards and recognition to faculty
2.3.5 Consultancy:	<ul style="list-style-type: none"> • Institute has defined policy in regard to consultancy revenue sharing pattern • Scope of testing consultancy in Civil Engineering • Areas of consultancy yet to be identified and publicized

2.3.6 Extension Activities and Institutional Social Responsibility:	<ul style="list-style-type: none"> • Students are actively involved in outreach activities • Social activities organized through NSS • Recognitions received for extension activities
2.3.7 Collaborations:	<ul style="list-style-type: none"> • A few MoU's for training and placement exists • Effective Industry-institute interface missing • Efforts to collaborate with national level institutions missing
2.4 Infrastructure and Learning Resources:	
2.4.1 Physical Facilities:	<ul style="list-style-type: none"> • Clean and well maintained campus • Adequate numbers of class rooms & Laboratories as per norms • Boys & girls hostel, ATM within the campus
2.4.2 Library as a Learning Resource:	<ul style="list-style-type: none"> • Library committee in place • Well managed Central Library with OPAC and e-granthalaya • Every department has its own library in addition to Central Library • Good quality reputed journals not subscribed
2.4.3 IT Infrastructure:	<ul style="list-style-type: none"> • Good IT infrastructure managed in-house • Campus wide wi-fi • Use of LMS like MOODLE in all the departments
2.4.4 Maintenance of Campus Facilities:	<ul style="list-style-type: none"> • Upkeep and general maintenance of campus is good • Regular provisions for maintenance, budgeted amount spent • Rain water harvesting system exists
2.5 Student Support and Progression:	
2.5.1 Student Mentoring and Support:	<ul style="list-style-type: none"> • System of Academic, Personal & Psycho-social counseling in place • State support for reserved category students • Committees for anti ragging, prevention of sexual harassment and other internal complaints in place • Training & Placement Cell exists
2.5.2 Student Progression:	<ul style="list-style-type: none"> • Campus placement profile needs strengthening • Environment for motivating students for higher education missing • Low pass percentage

2.5.3 Student Participation and Activities:	<ul style="list-style-type: none"> • Students participate in seminars, workshops, conferences, design competitions • Participation of few students in state level sports competitions • Shared facilities for sports and extracurricular activities • Registered Alumni Association
2.6 Governance, Leadership and Management:	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> • Vision and mission statements framed in tune with objectives of Higher Education • Supportive and Participative Management • Leadership at department level missing • Cordial relationship amongst stake holders
2.6.2 Strategy Development and Deployment:	<ul style="list-style-type: none"> • Several Committees constituted to manage and coordinate the institutional activities • Institution yet to develop an effective strategic plan for deployment • Automation in administrative processes
2.6.3 Faculty Empowerment Strategies:	<ul style="list-style-type: none"> • Faculty participation in professional development programs such as National Workshops/Seminars, NME-ICT programs limited • Minimal decentralisation of administration and financial powers • Policies to encourage young faculty for R&D activities to be put in place
2.6.4 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> • Budget provisions for academic and administrative activities • External audit is timely conducted • Plans for resource mobilization to meet expenses for future expansion and facilities enhancement in budding stage
2.6.5 Internal Quality Assurance System:	<ul style="list-style-type: none"> • Quality policy is in place • IQAC created and functional • Focus on quality improvement just initiated
2.7 Innovations and Best Practices:	
2.7.1 Environment Consciousness:	<ul style="list-style-type: none"> • Conducted energy audit • Solar power backup system in two laboratories • Sewage Treatment Plant, Vermi compost plant and botanical garden exist
2.7.2 Innovations:	<ul style="list-style-type: none"> • Exploring innovative ideas and converting into practice is minimal • Innovation in teaching learning, research and administration to enhance the quality of academic outcome to be initiated

2.7.3 Best Practices:	<ul style="list-style-type: none"> • Well established mentoring system • Self learning initiatives
Section III: OVERALL ANALYSIS	Observations
3.1 Institutional Strengths:	<ul style="list-style-type: none"> • Good physical infrastructure • Spacious campus • Caters to rural area students • Good Student support system exists • Very supportive management • Maintains good faculty retention rate
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> • Poor Faculty cadre ratio • Limited number of support and laboratory staff • Geographical location affects faculty recruitment • Insignificant focus on Research and consultancy • Ineffective Industry-Institute interaction • Limited academic flexibility as institute is affiliated to University • Poor quality profile of placements • Small alumni base at this moment
3.3 Institutional Opportunities:	<ul style="list-style-type: none"> • To improve Industry-Institute interaction for consultancy, internships and placements • To develop and nurture effective research environment • To enhance the spirit of entrepreneurship in students to start-ups • To develop technological solutions for the rural area and local industrial needs
3.4 Institutional Challenges:	<ul style="list-style-type: none"> • Appoint and retain good quality experienced teachers • Changing trends in technology and industrial requirements • Identification of potential faculty for leadership role • Improving technical skills and communication potential of students • Enhancing the employability of the students • Strengthening research, consultancy and extension activities • Up gradation of existing laboratory equipments • Cope up with decreasing attraction towards engineering programs

Section IV: Recommendations for Quality Enhancement of the Institution

- Recruit qualified, research experienced senior faculty in each discipline with required cadre ratio
- Encourage existing faculty to pursue Ph D and publish in SCI journals with proper plagiarism check
- Equip the laboratories and class rooms with latest equipment, hardware and software with research focus
- Network with reputed industrial and research organizations to promote industry Institute Partnership
- Strengthen the feedback mechanism and integrate with IQAC and establish quality processes and procedures accordingly
- Develop and exhibit institutional strengths for consultancy activities
- Introduce more interdisciplinary, vocational, skill development and value added courses
- Increase quality and quantity of student progression by strengthening placement opportunities and training for competitive examinations
- Enhanced barrier free access for “Divyang” students and staff
- Fully integrate and implement ERP system
- Strengthen the industry inputs & participation in academic programs

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

Seal of the institution

**Signature
Head of the Institution**

Signatures of the Peer Team Members

1.	Prof. H P Khincha (Former VC, VTU, Belgaum) Res: No. 11, 4th main road, Chamarajpet, Banglore-560 018, Karnataka	Chairperson	
2.	Dr Pratosh Bansal Professor, Department of Information Technology, IET, Devi Ahilya Vishwavidyalaya, Khandwa Road, Indore. M P	Member Co-ordinator	
3.	Dr Ganesh Hegde Deputy Adviser, National Assessment and Accreditation Council P.O. Box. No. 1075, Opp to NLSIU, Nagarbhavi, Bangalore – 560 072, Karnataka	NAAC Officer	

Place: **Adarsh Institute of Technology & Research, Vita – Sangli, Maharashtra.**

Date: **4th October 2017**



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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Quality Profile

Name of the Institution : Adarsh Institute of Technology and Research Centre

Place : Vita, Khanapur, Dist. Sangli, Maharashtra

Criteria	Weightage (W _i)	Criterion-wise Weighted Grade Point (Cr WGP _i)	Criterion-wise Grade Point Averages (Cr WGP _i / W _i)
I. Curricular Aspects	100	250	2.50
II. Teaching-Learning and Evaluation	350	830	2.37
III. Research, Consultancy and Extension	150	290	1.93
IV. Infrastructure and Learning Resources	100	300	3.00
V. Student Support and Progression	100	270	2.70
VI. Governance, Leadership & Management	100	210	2.10
VII. Innovations and Best Practices	100	130	1.30
Total	$\sum_{i=1}^7 W_i = 1000$	$\sum_{i=1}^7 (Cr WGP_i) = 2280$	

$$\text{Institutional CGPA} = \frac{\sum_{i=1}^7 (Cr WGP_i)}{\sum_{i=1}^7 W_i} = \frac{2280}{1000} = \boxed{2.28}$$

Grade = **B**



Date : October 30, 2017

Abhinav
Director

- This certification is valid for a period of Five years with effect from October 30, 2017
- An institutional CGPA on seven point scale in the range of 3.76 - 4.00 denotes A** grade, 3.51 - 3.75 denotes A+ grade, 3.01 - 3.50 denotes A grade, 2.76 - 3.00 denotes B** grade, 2.51 - 2.75 denotes B+ grade, 2.01 - 2.50 denotes B grade, 1.51 - 2.00 denotes C grade
- Scores rounded off to the nearest integer