

Peer Team Report

on

Second Cycle of
Institutional Assessment and Accreditation

of

Dayanand Education Society's
Dayanand Science College
Barshi Road, Latur-413151, Maharashtra

Dates of Visit: March, 3-5, 2014



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA

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Name & Address of The Institution:	Dayanand Education Society's Dayanand Science College, Barshi Road, Latur - 413531, Maharashtra
1.2 Year of Establishment:	1967
1.3 Current Academic Activity at the Institution (Numbers) :	
• Faculties/Schools:	01 (Science)
• Departments/Centers:	12 (Science-9 and Languages-3)
• Programs/Courses Offered:	UG-2, PG-5 (PG Degree-4 & PG Diploma-01) & Ph.D. -05. 07 UGC-COP certificate courses.
• Permanent Faculty Members:	73: Permanent:25; Temporary:48
• Permanent Support Staff:	70
• Students:	UG(Grant in Aid-631& UG Self Finance-73) 704; PG (Self Finance): 149 ; Ph.D: 08; M.Phil-04.
1.4 Three major features in the institutional Context (As Perceived by the Peer Team):	<ul style="list-style-type: none"> • A single faculty Science college • Eco friendly campus. • A large number of students are first generation learners
1.5 Dates of visit of the Peer Team (a detailed visit schedule may be included as Annexure):	March 3-5, 2014 (Enclosed)
1.6 Composition of the Peer Team which undertook the on-site visit:	
Chairperson	Prof. Dr. Harikrishna Chandulal Trivedi (Former Vice Chancellor, Bhavnagar University) No. 1, Mangalaya Bungalows, Behind D.Z. Patel Higher Secondary School, Anand-V.V. Nagar Road, Ananad-388001, Gujarat
Member-Coordinator	Dr. R. M. Ranganath (Former Professor & Head, Dept. of Botany & Former Registrar) No. 112, 8 th B main Raod, 4 th Block, Jayanagar, Bangalore 560011 Bangalore University, Bangalore- 560 056, Karnataka
Member	Prof. (Dr.) Dolly Sinha Principal, Magadh Mahila College, North of Gandhi Maidan, Patna-800001, Bihar.
NAAC Officer	Dr. Ganesh Hegde, Asst. Adviser, NAAC, Bangalore- 560 072, Karnataka.

Section II: CRITERION WISE ANALYSIS :

Curricular Aspects:

2.1.1 Curriculum Planning & Implementation:	<ul style="list-style-type: none"> • As an affiliated college, curriculum approved by the Swami Ramanand Theerth Maratwada University, Nanded, Maharashtra is mandatory. • Curriculum committee, time table committee and IQAC are involved in effective implementation of the academic calendar of the University. • Some faculty are in BoS.
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	<ul style="list-style-type: none"> • Workshops on curricular design for University courses have been organized; For the COP courses, curricula are designed by the College. • Feedback from faculty is communicated to BoS for restructuring curricula.
2.1.2. Academic Flexibility:	<ul style="list-style-type: none"> • 2 UG Degree, 4 PG Degree, 5 Ph.D. courses and 1 UGC sponsored Diploma in Bioinformatics. • Ph.D. courses are offered by the departments of Microbiology, Mathematics, Physics, Botany and Zoology. • The college follows semester system as prescribed by the University. • Choice Based Credit System yet to be implemented by the University.
2.1.3. Curriculum Enrichment:	<ul style="list-style-type: none"> • Regular invited, thematic lectures are arranged to supplement class room teaching • Syllabi revised once in 5 years as per University norms. • Seminars, conferences, workshops, educational tours, industrial visits are organized regularly.
2.1.4. Feedback System:	<ul style="list-style-type: none"> • Formal feedback from students obtained by both formal and online methods; informal from academic peers, alumni and parents. • Feedback on curriculum from students and faculty is communicated to the University by teachers who are on the BoS and/or formal communications to the University.
2.2. Teaching- Learning and Evaluation:	
2.2.1. Student Enrolment and Profile:	<ul style="list-style-type: none"> • Wide publicity on admission through print media, prospectus and website. • Transparent admission process as per the norms of Government and University for reservations; Progressive increase in the admission of meritorious students to the college is observed. • Although located in a semi-urban area, first generation students admitted are in considerable number. • Some students possess innate artistic talents which need to be nurtured and promoted.

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<p>2.2.2. Catering to Student Diversity:</p>	<ul style="list-style-type: none"> • Provision for admission of physically challenged students exists. • Orientation programme for freshers; remedial classes for slow learners and differently abled students to be further strengthened. • A committee of senior teachers and a Parent Relation Officer together address the problems of unsuccessful students in examinations and low attendance. • Efforts are made to sensitize students to issues related to gender, inclusion, environment together with Institutional and individual social responsibilities.
<p>2.2.3. Teaching-Learning Process:</p>	<ul style="list-style-type: none"> • Academic and internal examination schedules for semesters are conducted as per the academic calendar of the University. • Independent (projects), collaborative (visits to institutions, educational tours etc.,) and interactive (seminars, conferences etc.,) learning methods are appropriately emphasized. • Classroom teaching is conventional; efforts are being made to strengthen ICT enabled teaching. • MATLAB available to enhance quality of practical classes in Biotechnology and Mathematics. • A NET/SET cell helps the students to prepare for these examinations; guidance for state and central services examinations is also provided by the cell. • CCTV monitoring of class room activities.
<p>2.2.4. Teacher Quality:</p>	<ul style="list-style-type: none"> • Among the 25 permanent teachers, 14 possess Ph.D., 10 are pursuing Ph.D. including 05 with NET/SET qualifications and • Government norms are followed for recruitment of staff. • Most of the teachers have taken up minor/major research projects and many teachers have research publications. • Most teachers have attended refresher/orientation/training courses. • Microbiology department is a research center with 4 Ph.D. guides three of them external; 01 teacher in Mathematics is also guiding Ph.D. and M.Phil., students. 03 teachers in Physics are

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	Ph.D. guides to external students. Two teachers in Botany and Zoology are also Ph.D. guides for 1 student each.
2.2.5. Evaluation Process and Reforms:	<ul style="list-style-type: none"> • College follows the evaluation procedures framed by the affiliating university. • Multiple choice questions are part of the University examinations. • Parents are kept informed about the performance of their wards in the examinations.
2.2.6. Student Performance and Learning Outcomes:	<ul style="list-style-type: none"> • College results are consistently higher than university averages; good number of University first classes/ranks. • Internal assessment marks awarded on the basis of a centralized examination for each semester. • Dropout rate is minimal.
2.3. Research, consultancy and extension:	
2.3.1. Promotion of Research:	<ul style="list-style-type: none"> • Microbiology Dept is a recognized research center by the University. Proposals for recognizing Physics and Chemistry departments also as research centers are pending with the university. • A research committee is constituted. • Some faculty members have availed FIP and study leave facilities for research in the last 5 years. • 4 UGC minor research projects have been completed in the departments of Botany, Chemistry and Physics, with a total grants of Rs. 4, 80, 000/-. Departments of Physics, Chemistry and Mathematics have 4 UGC ongoing major projects with a total grants of Rs. 23, 90, 000/-. Departments of Chemistry, Physics and Zoology have applied for 6 major projects to UGC and DST-INSPIRE. • Management strongly supports research activities; Each PG student in Chemistry and Microbiology is provided with a support grant of Rs. 2000/- for completing project work.
2.3.2. Resource Mobilization for Research:	<ul style="list-style-type: none"> • National funding agencies, Management and the Government of Maharashtra have been the main source. • The college has received Rs. 67.5/- Lakhs

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	<p>under the DST-FIST programme and Rs. 43,67,000/- by Govt. of Maharashtra for conducting national ambient air quality project.</p> <ul style="list-style-type: none"> • College has received Rs. 43,000/- from the State Government per year since 1978 for <i>Vigyan Manch</i> activities.
2.3.3. Research facilities:	<ul style="list-style-type: none"> • Research facilities in the Departments and DST-FIST are shared among all the departments. • Informal linkages have been established by Mathematics department with institutions in USA and Greece. Departments of Physics, Microbiology and Chemistry have informal linkages with national institutions/laboratories. • Faculty also avail facilities in University departments and national research institutions as per need.
2.3.4. Research publications and awards	<ul style="list-style-type: none"> • Some faculty members have publications in national/international refereed journals, authored books and articles. • Two faculty members in Physics have been recognized as reviewers in journals of international repute. • College has received Rs. 15 Lakhs under <i>Shahu Phule Ambedkar Puraskar</i> from Government of Maharashtra for services rendered to backward classes in 2013.
2.3.5. Consultancy:	<ul style="list-style-type: none"> • Informal consultancy offered by some faculty/departments.
2.3.6 Extension Activities and Institutional Social Responsibilities:	<ul style="list-style-type: none"> • NSS conducts extension activities such as Blood donation camps, AIDs awareness, Women empowerment, Malnutrition awareness, Polio eradication and other programmes. • 1 NCC battalion with the cadets regularly participating in University level events. 1 cadet has participated in Republic Day Parade. Most of the cadets have passed either B or C certificate examinations. • N.C.C. officer has received many appreciations and recognitions for extension activities
2.3.7. Collaboration:	<ul style="list-style-type: none"> • College has informal arrangements with some academic institutions in and out of the state for sharing expertise and research facilities.

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2.4. Infrastructure and Learning Resources:	
2.4.1. Physical Facilities:	<ul style="list-style-type: none"> • College has separate building located in 22 acres of land belonging to Dayanand Education Society with other college buildings. • Many facilities (canteen, boys' and girls' hostels; outdoor/indoor games facilities; play ground, health center; language lab, library and auditorium) are shared with other colleges of the Management located in the same campus. • Adequate infrastructure for existing courses, extracurricular and co-curricular activities. • Construction of lift facilities for physically challenged persons should be expedited. • College security is CCTV enabled. • A credit co-operative society for employees and <i>Vidyarthi Suvidha Kendra</i> are available.
2.4.2. Library as a Learning Resource:	<ul style="list-style-type: none"> • Library Advisory Committee is constituted with Principal as the Chairman. • Services automated with Windows based SOUL 2.0 software. • 49,461 books, 31 periodicals, 230 CDs and 14 news papers and UGC-INFLIBNET facility along with individual password to teachers available • Library has internet facilities with multiple computers for student access; a Network Resource Center with 30 computers is being added. • Book Bank facilities are yet to be initiated.
2.4.3. IT infrastructure:	<ul style="list-style-type: none"> • Adequate number of computers available; WiFi facility restricted to limited areas of the campus. • IT-enabled teaching needs to be strengthened.
2.5. Student Support and Progression:	
2.5.1. Student Mentoring and Support:	<ul style="list-style-type: none"> • A college prospectus is published in the beginning of the academic year detailing the available opportunities. • Eligible students are awarded scholarships by the state and central governments, non-governmental agencies and by the management as fee waiver. A <i>Earn and Learn</i> Scheme for students from economically weaker sections is in place.

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	<ul style="list-style-type: none"> • Placement Cell mechanism needs to be systematized. • A grievance redressal cell exists. • Alumni association is functional and vibrant but need to be registered.
2.5.2. Student Progression:	<ul style="list-style-type: none"> • Many University first classes/ranks/gold medals in the last 5 years. • Appreciable track record of students in NET/SET examinations. • Opportunities for pursuing PG and Ph.D. courses are made available in the college.
2.5.3. Student Participation and Activities:	<ul style="list-style-type: none"> • Students are encouraged to participate in extracurricular and co-curricular activities in and outside the college. • Students have opportunities to publish in the college magazine <i>UNNMESH</i>.
2.6. Governance and Leadership:	
2.6.1. Institutional vision and Leadership	<ul style="list-style-type: none"> • Vision, Mission and Goals are in tune with the National priorities. • Management is highly supportive. • Administration is decentralized through several committees.
2.6.2. Strategy development and Deployment:	<ul style="list-style-type: none"> • Well structured internal organization. • Long-term developmental plan with emphasis on quality education needs to be made. • Grievance Redressal Cell is proactive with well maintained records.
2.6.3. Faculty Empowerment Strategies:	<ul style="list-style-type: none"> • Teachers are regularly deputed for refresher/ orientation courses, seminars, workshops, at state/national/international level. • College organizes seminars on special topics relating course content to global developments in emerging areas. • Academic leadership is groomed at various levels.
2.6.5. Internal Quality Assurance System:	<ul style="list-style-type: none"> • Active IQAC. • Support from management for IQAC activities. • IQAC regularly submits reports which are available on the college website.

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2.7. Innovations and Best Practices	
2.7.1. Environment Consciousness:	<ul style="list-style-type: none"> • Efforts to make an eco-friendly campus by initiatives such as vermicomposting, green audits and rainwater harvesting are visible. • Carbon credit accounting needs to be implemented.
2.7.2. Innovations:	<ul style="list-style-type: none"> • Establishing a Parent Relation Office equipped with special software for keeping the parents informed. • College security through CCTV surveillance. • Biometric attendance for teachers and staff.
2.7.3. Best Practices:	<ul style="list-style-type: none"> • Organizing INSPIRE SCIENCE INTERNSHIP camps for promotion of basic science education, for the last three years; 07 of the 759 qualified in INSPIRE-SHE have admitted to the college. • Financial support to students from weaker sections in the form of fee waiver, management scholarships and earn-and-learn scheme. • Faculty is provided with financial support to enhance their professional competencies. • Staff is also provided support in medical emergencies.
Section III: OVERALL ANALYSIS	
3.1. Institutional Strengths	<ul style="list-style-type: none"> • Supportive and generous management, dynamic Principal and committed faculty and staff. • Harmonious relationship among all the stakeholders. • Good academic ambience.
3.2. Institutional Weaknesses:	<ul style="list-style-type: none"> • Lack of robust research culture and consultancy. • Lack of linkages with industries and reputed academic and research institutions. • High student: teacher ratio.
3.3. Institutional Challenges:	<ul style="list-style-type: none"> • Catering to the contemporary academic and professional needs. • Orienting the institutional academic activities to locally sensitive and globally relevant issues • Synergizing inter/multi disciplinary initiatives.

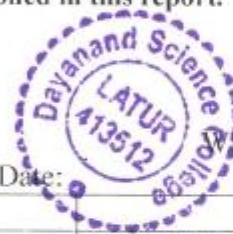
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Section IV: RECOMMENDATIONS FOR QUALITY ENHANCEMENT

- IQAC may be made more proactive to enhance educational and research outcomes, consultancy potential and mobilizing resources through PPP initiatives.
- Undertake women entrepreneurship development initiatives.
- Arrange for recruitment of teachers to optimize student : teacher ratio.
- ICT-based facilities including smart class rooms to be extended to all departments.
- More PG degree Courses and diploma/certificate courses to enhance employability.
- Initiate steps to promote intrinsic talents of students in fine/performing arts and sports.
- Science Research Foundation should be set up for promoting interdisciplinary research.
- Provision for physically challenged persons should be provided..
- Modernization of boys' hostel and students' common rooms in the college need to be taken up on a priority basis.

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

J.S.
5/3/14
Dr. J.S. Dargad
Principal



With Seal of the Institution

Signature of the Peer Team Chairman/Members with Date:

Name and Designation		Signature with Date
Prof. Dr. Harikrishna Chandulal Trivedi (Former Vice Chancellor, Bhavnagar University) No. 1, Mangalaya Bungalows, Behind D.Z. Patel Higher Secondary School, Anand-V.V. Nagar Road, Ananad-388001, Gujarat	Chairperson	<i>Harikrishna</i> 5/3/2014
Prof. Dr. R. M. Ranganath (Former Professor & Head, Dept. of Botany & Former Registrar) No. 112, 8 th B main Road, 4 th Block, Jayanagar, Bangalore 560011 Bangalore University, Bangalore- 560 056, Karnataka	Member	<i>R.M. Ranganath</i> 5/3/14
Prof. Dr. Dolly Sinha Principal, Magadh Mahila College, North of Gandhi Maidan, Patna-800001, Bihar.	Member	<i>Dolly Sinha</i> 5.3.2014
Dr Ganesh Hegde Assistant Adviser, National Assessment and Accreditation Council (NAAC), Nagarbhavi, Bangalore - 560 072, Karnataka.	NAAC Officer	

Place: Latur, Maharashtra

Date: 5th March, 2014