

# Dayanand Science College, Latur

## Academic Report

(01 May To 30 Nov., 2016)

**UGC - CPE Status :-** Dayanand Science College has been awarded the CPE status by UGC under the scheme " **College with Potential for Excellence**". Under this scheme college can receive a **grant upto 5 Cr. in 3 phases of its Implementation. Sanctioned 1.5 Cr. for Ist phase.**

**Best Principal Award :-** Dr. Jaiprakash Shivprasad Dargad, Principal, Dayanand Science College has been awarded as a **Best Principal** under Aurban by Swami Ramanand Teerth Marathwada University, Nanded.

**Shikshak Ratan Award :-** Dr. Jaiprakash Shivprasad Dargad, Principal, has been awarded as **Shikshak Ratan Award** by Mahatma Jotiba Fule Shikshak Parishad, Maharashtra. ( 9 Oct., 2016).

**Vilasrao Deshmukh Dyan Ratan Award :-** Dayanand Science College (Sr.) has been awarded as "**Vilasrao Deshmukh Dyan Ratan Award**" (Aug., 2016) by Maharashtra Pradesh Shikshak Congress with the aspacious hands of Ex. Chief Minister of Maharashtra Shri. Shivajirao Patil Nilangekar.

**Career 360 :-** Dayanand Science College **ranked 69<sup>th</sup> Position all over India** by the survey of Career 360. For this Career 360 carried out servey of above 11000 colleges all over the India.

**Inter University West Zone Badminton Champion Tournament :-** College organized West Zone inter University Badminton tournament during 24 - 28 Oct, 2016. 314 badminton players from the state of **Rajasthan, Gujrat, Madhya Pradesh, Goa & Maharashtra. Participated from various 64 Universities in this event.** MLA Amitji Deshmukh, Hon. V. C. Pandit Vidya Sagar, Badminton player Mr. Pradip Gandhe were the dignified persons at the time of Inauguration of this tournament.

**Inspire Science Camp :-** College organized 3 Inspire Science Camps during **2 - 6 June, 26 - 30 Sept. and 2 - 6 Nov. 2016** for **200,200 & 250 XI<sup>th</sup>** Science students form Rajashri Shahu Mahavidyalaya & Dayanand Science College, Latur respectively.

**Refresher Course:-** College organized a National Level Refresher Course in the subject of **Physics in Collaboration with Indian Academy of Sciences, Banglore during 15 April - 30 April, 2016.**

**DBT Star College Proposal:-** College has submitted a proposal to Department of Biotechnology under the scheme of Star College, for getting star college status and a financial funding of **Rs. 2 Cr.**

**International Conference in Mathematics :-** Dept. of Mathematics is organizaing an International Conference in Mathematis during 6-8 March, 2017.

**Lectuere Workshop for B.Sc. Students :-** College is organizing 3 days lectures workshop in the subject of **Physcs, Chemistry and Mathematics for 150 B.Sc. students during 24-26 Dec., 2016** in collaboration with Indian Academy of Sciences Bangloor. **6 fellows and Eminant Professor from Hyderabad University IIT, Mumabi. University of Mumbai** are coming as speaker for this workshop.

**Niti Aayog - Attal Incubation Centre :-** College has prepared a proposal in collaboration with Dayanand Education Societies other colleges to establish Attal Incubation Centre of Niti Aayog in the premises of the institute. The proposal is short listed by Niti Aayog and may be called for interface meeting. The maximum fund receivable will be **Rs.10 Cr.**

**Donation to "Jalyuqt Latur" :-**Dayanand Science College donated **Rs. 2.54 Lakh** to "Jalyuqt Latur" as a one day salary from all the teaching & non teaching staff.

**Students Activities :-** Formation & Inauguration of Science Association, Cultured Association, Yuwati Kalyan Mandal during Aug-Sept, 2016.

### **University Toppers List (2016-17) -**

In the history of Dayanand Science College, First ever maximum number of students stood in the list of University Merit list.

#### **B.Sc -**

1. Dhage Ravina Venkatrao	I <sup>st</sup>	-	92.88% ( <b>Gold</b> )
2. Patil Ashwini Blalasaheb	II <sup>nd</sup>	-	91.97% (Silver)

#### **M.Sc. Biotechnonology -**

1. Gaikwad Ramrao Ramesh	II <sup>nd</sup>	-	80.60% (Silver)
2. Dharashivkar Neeta Gajananrao	III <sup>rd</sup>	-	79.68% (Brounz)

#### **M.Sc.Chemistry -**

1. Jagtap Jyoti Baliram	I <sup>st</sup>	-	84.66% ( <b>Gold</b> )
2. Madkar Pooja Arun	III <sup>rd</sup>	-	82.40% (Brounz)

#### **M.Sc.Microbiology -**

1. Kulkarni Pruthvi Dileepao	III <sup>rd</sup>	-	79.24% (Brounz)
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### **New Initiative (2016-17) -**

- Two Post Graduate courses in the subject of Mathematics and Physics started on non grant basis.  
**M.Sc. Physics - 30 Seats**  
**M.Sc. Mathematics - 60 Seats**
- Physics Research Laboratory is recognized as a research center in Physics in the dept. of Physics by S.R.T.M.U. Nanded.
- "Buisness Mathematics" an optional subject is introduced for B.Sc.
- Under graduate B.Sc. course on Non-Grant basis.

#### **Research Guide -**

- Dr. Mahesh Bembade has been recognized as research guide in Physical Education by S.R.T.M.U. Nanded
- Dr. V. A. Choudhari has been recognized as research guide in Physics by S.R.T.M.U. Nanded

#### **Research Project Pooposal -**

- Dr. V. D. Motes Project of **Rs. 75 lakhs** has been shortlisted by DST, New Dehli under Nano Science Mission.
- Dr. R. V. Solunkes project of **Rs. 20 lakhs** has been interviewed by SERB, DST, New Dehli.

3. Dr. M. B. Pandange sanctioned a research project in Astrophysics by SERB of **Rs. 19.80 lakhs.**

**Submitted Proposals - Research Projects (Submitted) Minor Project :-**

<b>Sr. No.</b>	<b>Funding Agency</b>	<b>Faculty</b>	<b>Subject</b>	<b>Amount (Rs)</b>
1.	UGC	Dr. V. A. Choudhari	Physics	575000
2.	UGC	Prof. K. N. Rathod	Physics	500000
3.	UGC	Dr. V. D. Mote	Physics	500000
4.	UGC	Prof. R. K. Jadhav	Chemistry	500000
5.	UGC	Dr. C. S. Swami	Botany	500000
6.	UGC	Dr. N. S. Korde	Chemistry	500000
7.	UGC	Dr. M. M. Pandit	English	200000
			<b>Total</b>	<b>3275000</b>

<b>Sr. No.</b>	<b>Funding Agency</b>	<b>Faculty</b>	<b>Subject</b>	<b>Amount (Rs)</b>
1.	DST (Material Sci.)	Dr. J. S. Dargad	Physics	3400000
2.	DST (SERB)	Dr. N. S. Korde	Physics	1700000
3.	DST (SERB)	Dr. V. D. Mote	Physics	3300000
4.	DST (SERB)	Dr. N. A. Kedar	Chemistry	4400000
5.	DST (Inspire faculty)	Dr. V. D. Mote	Botany	3500000
6.	UGC (SERB)	Dr. R. V. Solunke	Zoology	1945000
7.	UGC	Dr. S. S. Bellale	Math	2400000
			<b>Total</b>	<b>20645000</b>

**Refresher / Orientation course completion -**

During March - Nov. 2016 following faculty members successfully completed their respective refresher/ Orientation Courses.

- |       |                     |   |             |
|-------|---------------------|---|-------------|
| i)    | Dr. V. D. Mote      | - | Refresher   |
| ii)   | Dr. V. A. Chaudhari | - | Refresher   |
| iii)  | Dr. C. S. Swami     | - | Refresher   |
| iv)   | Dr. J. A. Angulwar  | - | Refresher   |
| v)    | Dr. L. V. Thakre    | - | Refresher   |
| vi)   | Prof. R. S. Shinde  | - | Refresher   |
| vii)  | Dr. A. M. Chougule  | - | Refresher   |
| viii) | Prof. G. H. Bane    | - | Refresher   |
| ix)   | Prof. Y P Sarnikar  | - | Refresher   |
| x)    | Prof. M. M. Pandit  | - | Orientation |
| xi)   | Shri. K.R. Bhise    | - | Refresher   |

## Department of Physics -

### Dr. V.A.Chaudhari

1. **Resource Person** - Two days State Level Seminar on "Mathematical Tools for the Development of Physical Science" which is held on 14<sup>th</sup> & 15<sup>th</sup> October, 2016, Organized by Department of Physics & Mathematics, Arts. Commerce and Science College, Nandgaon (Savitribai Phule Pune University, Pune)
2. **Oral presentation - International Conference on Functional Oxides & Nanomaterials**, during November 11-13, 2016 Organized By Department of Physics and Department of Nano science & Advanced Materials Saurashtra University, Rajkot 360005, Gujarat, INDIA

### Dr. V.D. Mote:- Paper published in International Journal

1. **X-ray Analysis of a - Al<sub>2</sub>O<sub>3</sub> particles by Williamson Hall Methods.**  
Materials Focus 5,545-549 (2016).
2. **Effect of surfactants on crystallographic and optical properties of ZnO nanoparticles.** Asian Journal of Chemistry 28, 2778-2780 (2016).  
Research proposal submitted to Nanomission, DST, New Delhi "Development and characterization of Cr and Co-doped ZnO Nanomaterials for Spintropics and gas sensing Applications."

### 71.00 Lakhs Major

- Reviewer
1. Journal of Magnetics
  2. Journal of advances in Biology & Biotechnology
  3. Chemistry International

### Invited as a Speaker Abroad :

1. 6<sup>th</sup> World Annual congress of Nano Science and Technology – 2016 at Singapore ( Young Scientist).
2. International Conference and Exhibition on Mesoscopic & Condensed Matter Physics – 2016 at Chicago, USA.
3. 3<sup>rd</sup> Annual World Congress of Smart Materials – 2017 (March 16-18, 2017) Bangkok, Thailand.
4. International Conference on Nanotechnology – 2017 March 11<sup>th</sup> – 13<sup>th</sup> at Homburg, Germany.
5. EMN Optoelectronics Meeting-2017, April 17 to 21, 2017 at Victoria, Canada.

### Orientation Refresher Course Completed

1. 111<sup>th</sup> Orientation Course cet UGC-HRDC Chandigarch during 26<sup>th</sup> May, 2016 to 22 June, 2016.
2. Refresher Course in Environmental Studies (IN) during 26<sup>th</sup> November 2016 to 16<sup>th</sup> December at UGC. HRDC, Amritsar.

### Department of Chemistry & I.C. -

Following are the achievements of Department of Chemistry & I.C. from June to December 2016.

1. Prof. R.S.Shinde submitted his **Ph. D thesis** to S.R.T.M.U. Nanded.
2. Prof. S.S. Mahurkar presented a research Paper entitled " Solvent free Synthesis of Benzi Midazole and Benzothiazole derivatives by using Bronsted acidic ionic Liquid". At D.S.M College Parbhani.

### **Department of Mathematics:-**

1. Department of Mathematics organized **“Course Work For Ph. D Students”** sponsored by S.R.T.M.U.N. on 25 May -10 June 2016.
2. Department of Mathematics **organized “Regional workshop on Research Methodology”** sponsored by S.R.T.M.U.N. on 10 June -15 June 2016
3. Ph.D. Student Admitted:09 Total Students: 16
4. Mrs. Sujata Birajdar Completed Ph. D Degree.

### **Research Papers Publication :-**

S. S. Bellale International Journal of Engineering Sciences & Research Technology. Vol.5(9)2016, Pages 436-444, ISSN2277-9655 Approximate Solutions for Perturbed Measure Differential Equations with Maxima 2016 Impact factor 4.116 S. S. Bellale International Journal of Mathematical Archive Vol. 7(10) 2016, Pages 2229-5046 Existence Theorem and Extremal Solutions for Perturbed Measure Differential Equations with Maxima 2016 Impact factor 4.908

### **Chair session / Invited Talk/ Papers presented / participated in Conferences, Seminars and Workshops:-**

1. S.S. Bellale 23 June 2016 Chair session and invited talk in the workshop on Discussion on Syllabus of B. Sc. Third Year VI Semester in Mathematics, Dharmapuri, Beed
2. S.S. Bellale 16-30 May 2016 Resource Person for Pre-Ph.D. Course work for Ph.D Students, DSC, Latur.
3. S.S. Bellale 6-11 June 2016 Resource Person for Regional Workshop on Research Methodology for Ph. D. Students, DSC, Latur.
4. S. S. Bellale 30 June 2016 Participation in one day workshop on Choice Based Credit System for U.G. Programme, DCA, Latur
5. S.S. Bellale 12-15, July 2016 Invited for talk in International conference on Analysis and Applications, Kirsehir, Turkey
6. S. S. Bellale 03-04, Aug 2016 Resource Person for National Conference on Geometry, Topology and their Applications (NCGTA2016), K.U. Dharwad, Karnatka
7. S. S. Bellale 03-04, Aug 2016 Chair Session for National Conference on Geometry, Topology and their Applications (NCGTA2016), K.U. Dharwad, Karnatka
8. S. S. Bellale 15-16, July 2016 Presented Paper at National Conference on Recent Trends in Mathematics (NCRMT2016) Tata Institute of Social Sciences, Tuljapur, M. S.
9. S. S. Bellale 04 Sept 2016 Invited talk at Dimensions of Quality Enhancement, Sundarrao Solunke Mahavidhyalaya Majalgaon, Beed
10. S. S. Bellale 30 Sept.-04 Oct 2016 Invited talk at Nonlinear Analysis. Computations Using MATLAB, MATHEMATICA, MAPLE, LINGO and CPLEX with Applications in Engineering & Sciences, S.V. N. I. T. Surat
11. S. S. Bellale Nov. 15-17, 2016 Paper Presentation International Conference on Differential Geometry, Algebra and Analysis (ICDCAA2016), J. M. Central University Delhi, India
12. S. S. Bellale 26 Nov. 2016 Participated in One day workshop on Reforms in Higher Education, SRTMU Subcentre Latur

13. V.D.Gaikwad 10-12 Sept 2016 Participated in workshop empowering in mathematics at IIS Mumbai

#### **International Conference:-**

Submitted proposal UGC, NBHM, DST, CSIR, INSA, Foreign Ministry.

Dates of Conferences 05-09, March 2016.

#### **Dept. Microbiology -**

1. Miss Siddiqui A.G. presented poster in the National conference on Use of plants & microbes for Green Biotechnology on 26-27 November 2016 held at COCSIT Latur.
2. Mrs. Pathan D.A. participated by given oral Presentation in the National conference on Use of plants & microbes for Green Biotechnology on 26-27 November 2016 held at COCSIT Latur.
3. Miss Dhutekar S.S. , Miss Diwan V.A. , Miss Patil S.D. attended the National conference on Use of plants & microbes for Green Biotechnology on 26-27 November 2016 held at COCSIT Latur.
4. Miss Sneha Sakhare of B.Sc III year won second prize in western song competition in 2016 youth festival of SRTMU Nanded.
5. Miss. Sneha Sakhare & Miss. Diksha Dhaware of B.Sc III year & group won II nd prize in Mime competition in 2016 youth festival of SRTMU Nanded.

#### **Department of Biotechnology :**

1. Mrs. Vidya Ramesh Hinge Awarded Ph.D degree in the subject of Biotechnology from Savitribai Phule Pune University , Pune , in september 2016.
2. Mrs. Vidya Ramesh Hinge won III prize in oral presentation in the National conference on Use Of plants & Microbes for Green Biotechnology on 26-27 November 2016 held at COCSIT Latur.

**Department of Botany :** Dr. C.S. Swami attended UGC-Sponsored Short-Term Course on "Research Methodology" held at UGC-Academic Staff College, University of Pune, Pune during 6-12 June 2016.

#### **Research publication:**

1. C.S. Swami & S.K. Alane (2016). Studies on effect of Physical factors on protease production in seed-borne fungi of green gram (*Phaseolus aureus* Roxb). *paripex-Indian Journal of Research* 5(7): 54-55.
2. C.S. Swami (2016). Effect of supplementation of carbohydrates & nitrogen sources on pectinase production in tomato fungi. *paripex-Indian Journal of Research* 5(8):8-9. (ISSN 2250-1991). (Impact Factor : 5.215)

#### **Departmental Activities & Achievements :-**

##### **Dr. R.V. Kirtane**

1. Received District Level award of ideal Teacher from Dr. Babasaheb Ambedkar Vicharmanch on 5 September 2016.
2. Attended of National conference on Biotechnology at COCCIT College Latur on 26,27 nov-2016.

##### **Bondage S.D.**

1. Attended one day workshop on CBCS pattern organized by SRTMUN & Dayanand Arts College.
2. Published one research paper in International Journal of Sciences & Research, Online Journal Title :

Physico - Chemical status of Various borewell water from Latur District, Maharashtra, Indian.  
Volume 5 Issue 11, Nov 2016.

### **Acharya K.V.**

1. Published two International papers in IJSER International Journal of Scientific & Engineering Research in Volume 7 Sept. 2016.

### **Annual report of Sports Department:-**

1. In this current year our college students have participated in the Event of Volleyball, Table Tennis, Badminton, Athletics, Cricket, Baseball and Chess in A Zone and Inter Zone Inter College Tournaments.
2. First time in history of Dayanand Science college Our Badminton women's team won the Winner trophy in A zone inter college Badminton (Men) Tournament. Also our college Badminton men's team won the Winner trophy in A zone inter college Badminton (Men) Tournament
3. Our Cricket men's team have track record of 5 year continues winning in A zone and university level Cricket tournaments .This year also won the champion trophy of 'A' Zone Inter College Cricket men's Tournament.
4. Our student Shri Ajit Futane won the **Gold medal** at university level Boxing Tournament.
5. Student's **Ku.Roohi Farukhi, Ku. Namrata Kulkarni and Pranjli Sarode** have represented S.R.T.M. University, nanded in all India Inter University Badminton tournament which was held Dayanand Science College, latur.
6. Our College Student **Shri Jambhle Sourabh** have represented S.R.T.M. University, nanded in all India Inter University Baseball tournament which was held at Panjabi University, Chandigarh. In upcoming time our student's will be participate in Cricket, Taekwondo and Boxing at All India Inter University Level.
7. In this year sports department have organized **West zone Inter University Badminton Men's Tournament** in our society. This was millstone for our college and our society.
8. **Dr. Mahesh Bembade attended International conference** on physical education and sports science, and presented research paper on **"The correlations between academic performance and physical abilities"**. This conference was held at S.V'S Sridora Caculo College of Commerce & Management studies Panjim, Goa on 02 to 04 June 2016 .

### **Youth Festival (2016-17)**

Dayanand Science College participated in 5 different events in the Youth Festival (2016-17) organized by S.R.T.M.U., Nanded. The college received two medals in this event.

1. Western song (Individual) - Silver
2. Mahim - Silver.

### **Yuwati kalayan Mandal :-**

1. Formation of Yuwati Kalayan Mandal and is inauguration with the auspicious honor of DYSP Suvarna Umap & Dr. Varsha Patil a wellknown personelity.
2. The girl student being informed with the latest mobile App "**Pratisad**" and its demo by the DYSP of Latur.
3. Dr. Varsha Patil was given a speech on "**Pratisad**" with beautiful illustrations.