

Dayanand Science College, Latur
Educational Report
Feb. 2017 to Sept. 2017

Refresher Course -

Organized 15 days Refresher Course in Chemistry during 20 - 5 June, 2017 (National Level) sponsored by Indian Academy of Science, Bangalore 6 Scientist and Academy Fellows from Hyderabad University, IIT, Mumbai, Pune University given plannery lectures in this Refresher Course. College received **6.40 lacks** Financeial Assistance.

Inspire Camp -

1) 15th Inspire Science Camp will be organized for 200 students during 11 - 16 Oct. 2017.

Abroad Visit -

Dr. J. S. Dargad -

1) Attended and presented research paper in the international conference at Kawalumpur, Melesiya during 12 - 13 June, 2017. Ist International Conference on Interdisciplinary Reserach Methodology and Innovation.

Dr. M. B. Pandge -

1) Attended and presented research paper in the international conference entitled “ Clusters across cosmic time”, organized by the Laboratoire d Astrophysique de Mar-seille, that was held in Aix-En-Provence, France during 10th to 13th July 2017.

1. List of Published Papers (Dr. M. B. Pandge):

Sr. No.	Title	Journal	IF
1)	Zwicky's Nonet': a compact merging ensemble of nine galaxies and 4C 35.06, a peculiar radio galaxy with dancing radio jets: Biju, K. G.; Bagchi, Joydeep; Ishwara-Chandra C., H.; Pandey-Pommier, M.; Jacob, Joe; Patil, M. K.; Sunil Kumar, P.; Pandge, Mahadev; Dabhade, Pratik; Gaikwad, Madhuri; Abraham, Sheelu; Vivek, M.; Mahabal, Ashish A.; Djorgovski, S. G.	2017 MNRAS, 471, 617-628	5.10
2)	MACS J0553.4-3342: A young merging galaxy cluster caught through the eyes of Chandra and HST: Pandge, M. B.; Bagchi, Joydeep; Sonkamble, S. S.; Parekh, Viral; Patil, M. K.; Dabhade, Pratik; Navale, Nilam R; Raychaudhury, Somak; Joe, Jacob	2017, MNRAS, 471, 617	5.10
3)	A hot X-ray filament associated with Abell 3017 galaxy cluster: V. Parekh, P. Padmanabh, M.B. Pandge	2017 MNRAS, 470,3742	5.10
4)	Optical and infrared Imaging & Spectral Study of FR-I Type Radio Galaxy: CTD086 (B2 1422+26B) : Sahu, Sheetal K; Pandey,S.K; Chaware, L; Pandge,M. B*.	2017 Astrophysics and Space Sci, 362,58,5pp	1.62

2. List of Paper Submitted -

1. Determination of the size of the dust torus in H05074+164 through optical and infrared monitoring: Amit Kumar Mandal, Suvendu Rakshit, Kshama S Kurian, C.S. Stalin, Sebastian Hoening, Poshak Gandhi, M.B. Pandge. MNRAS 5.10
2. Detail Study of AGN feedback in Abell 3017: Pandge, M. B., Pooja Waghmare. MNRAS 5.10
3. AGN feedback with SKA: Asif Aqbal, Biman B.Nath, Subharata Majumdar, Pratick Sharma, Rutha Kale, Pandge Mahadev, Somak Raychaudhury. JAA 1.20
4. A combined X-ray, optical and radio view of the merging galaxy cluster MACS J0417-1154 MNRAS 5.10
5. AGN Feedback in the galaxy group: a detailed study of X-ray cavities, shocks in IC1262: Pandge, M. B., S. S. Sonkamble, M. K. Patil MNRAS 5.10

3. List of National and International Conferences attended: Paper/poster Presentation

1. Discovery of MPC-SCALE X-ray Tail and third surface brightness edge in ACS0553.4-3342” XIth Marseille Cosmology Conference “Galaxy clusters across cosmic time”, organized by the Laboratoire Astrophysique de Marseille, that was held in Aix-En-Provence. July 10th-13th 2017
2. Cosmic filaments around galaxy clusters”, Prajwal V. P, Viral Parekh, M.B.Pandge, Joydeeo Bagchi ; at the 35th meeting of the Astronomical Society of India (ASI 2017), held at B. M. Birla Auditorium, Jaipur, during March 6-10, 2017
3. Determination of the size of the dust torus in H0507+164 through Optical-IR monitoring”, Amit Kumar Mandal, M.B. Pandge, C.S Stalin ; at the 35th meeting of the Astronomical Society of India (ASI 2017), held at B. M. Birla Auditorium, Jaipur.. March 6-10, 2017
4. “Long term X-ray variability characteristics of Black Hole Binary GRS 1915+105”, Nilam Navale, Anjali Rao, A. R. Rao, Yesh Bhargava, M.B. Pandge ; at the 35th meeting of the Astronomical Society of India (ASI 2017), held at B. M. Birla Auditorium, Jaipur. March 6th10, 2017.
5. Discovery of MPC-SCALE X-ray Tail In MACS0553.4-3342”, M.B. Pandge, S.S. Sonkamble, Joydeep Bagchi, M. K. Patil, Pratik Dabhade, Jacob Joe, So-mak Raychaudhury, Nilam Navale; at the 35th meeting of the Astronomical Society of India (ASI 2017), held at B. M. Birla Auditorium, Jaipur. March 6th10, 2017

4. Awards/achivments.

1. **(The Best Poster Presentation award)** Determination of the size of the dust torus in H0507+164 through Optical-IR monitoring”, Amit Kumar Mandal, M.B. Pandge, C.S Stalin ; at the 35th meeting of the Astronomical Society of India (ASI 2017), held at B. M. Birla Auditorium, Jaipur, during March 6th10, 2017.
2. Selected as **“IUCAA Associate (Visiting Scientist)”** at IUCAA from 1st September 2017 to till date.

Department of Microbiology -

- 1) Inauguration of students unit Dayanand Science College, Latur of Microbiologists Society India on 19th August 2017.

- 2) One day training programme on career development in life sciences. Organized in collaboration with Microbiology Society of India.
- 3) Checking drinking water Quality of college drinking water tank. July 2017 - MPN 68. Potable August 2017 - MPN Potable
- 4) Checking blood groups of college students in boys hostel.
- 5) Following students stood Rank II and Rank III in M. Sc. Microbiology SRTMU Nanded summer 2017 Examination.
- 6) A research paper of Dr. R. A. More on in Vitro Evaluation of Six Indian Medicinal Plants for their Antimycobacterial Antioxidant and Cytotoxic Potential in Indian Journal of Pharmacology(under Revision).

Department of Chemistry -

- 1) **Miss. Durrani Tafil Fatema Ayyub Khan** secured **Rank 1st** and **Miss. Gogade Prinaka Narhari** secured **Rank 3rd** in merit list of **S.R.T.M.U.Nanded** in the Subject of Chemistry.

Paper Publications -

- 1) Prof. Y. P. Sarnikar Publish Research papers in International Journals
 - a) Der Pharma Chemica (Impact factor 0.5) Titled "Synthesis and Charecterization of Tetrasubstituted Imidazole by using Silica supported catalysis".
 - b) World Journal of Pharmaceutical Reseach on titled Synthesis , Characterization and Anti microbial Study of Some Transition Metal Complexes of Bidentate Chalcone Ligand
- 2) Prof. Y. P. Sarnikar, Dr. S. N. Ibatte, Dr. J. A. Angulwar, Dr. R. S. Shinde. Dr. A. M. Chougule, Prof. R. k. Jadhav attended a Workshop on B.Sc. IInd year curriculum and Skill Enhancement Course at Arts, Science and Commerce college, Shankarnagar Dist. Nanded.
- 3) Dr. S. N. Iabatte, Dr. N. S. Korde, Dr. R. S. Shinde. Dr. J. A. Angulwar participate in National Level Refresher Course in Thereotical Chemistry organized by Dayanand Science College, Latur sponsored by Indian Academy of Sciences Banglore under the directoship of Dr. Dilip Dhavale (Savitribai Phule University Pune) from 25th June to 5th July 2017 .
- 4) Prof. R. K. Jadhav participitated in 33rd orientation course organized by Panjab University, Patiyala.
- 5) Dr. S. S. Mahurkar and Prof. R. K. Jadhav participated in the STEM Teacher Training Work shop on Research Based Pedagogical Tools (Level - I) held from 26th Feb. to 1st March 2017 in Indian Institution of Science Education and Research (IISER) Pune.

Department of Botany -

- 1) Organized Guest Lecture of Dr. Ganesh Malwade (Lecturer, Department of Shalyatantra, B. V. Kale Ayurved College Hospital, Latur) on "Medicinal Plants" on 23.08.2017.2) Organized Study Tour at Yedshi on 27.08.2017.
- 3) Dr. C. S. Swami attended CBCS and Skill Enhancement Course Workshop at Sub-center S.R.T.M.U. Latur on 14.07.2017.
- 4) Dr. C. S. Swami attended CBCS IInd syllabus workshop at Vasantnagar Dist. Nanded.

Department of Zoology and Fishery Science -

- 1) Dr. R. V. Solunke attended CBCS and Skill enhancement programme at subcentre SRTMU Nanded organized by S.R.T.M.U. Nanded on date 14.07.2017.
- 2) Dr. R. V. Solunke attended syllabus workshop for II year syllabus at poorna college, poorna, Parbhani district on date 23.08.2017.
- 3) Dr. R. V. Kirtane published one International Research paper, roll of mass media in climate change awareness program online international interdisciplinary research journal (bi-monthly) ISSN 2249-9598, to vol-07, issued on 05 Sep. 2017.
- 4) Organized one guest lecture on "higher education system and scope" for Indian students in united states by shrinvas kolpuke (U.S.) on date 13.08.2017.
- 5) Organized one visit to local fish market for the students of fisher science on 31.08.2017.
- 6) Organized one field visit to study pond ecosystem and study of migratory birds at kaha lake latur with wildlife experts on date 27.08.2017
- 7) Organized one day short study tour to show artificial breeding by hypophysation Method at majalgaon fish farm for students on date 29.08.2017

Physics Department -

- 1) Dr. V. A. Chaudhari Attended international conference on functional oxides and Nanomaterials, dated 11 - 13, 2016 at Saurashtra University Rajkot.
Title - Identification of MPB region in (Pb_{1-x}) ceramics.
- 2) Dr. L. V. Thakre has submitted major research project of **Rs. 2000000/-** to SERB, DST New Delhi on "Synthesis and Preparation of CdMnSe Thin films : Application in PEC"

Dr. V. D. Mote - List of submitted Project -

- 1) "Development and characterization of Cr and Co doped ZnO nanomaterials for gas sensing applications" **Total Cost (in Rs.) : 33,97,000/- Extra Mural Research Funding, Science and Engineering Research Board, DST, New Delhi (2017).**
- 2) "Development and Investigations of Mn doped ZnO Nanostructure Thin films for Spintronics Applications", **Total Cost (in Rs.) : 26,45,000/- Early Career Research Award, Science and Engineering Research Board, DST, New Delhi (2017).**
- 3) "Development and characterization of Cr and Co doped ZnO nanomaterials for spintronics and gas sensing applications" **Total Cost (in Rs.) : 75,00,000/- Nanomission, DST, New Delhi (2016).**
- 4) "Development and Characterization of Al and Cd doped ZnO Thin Films using Dip Coating Technique for Solar Cell and Spintronics Applications" ", **Total Cost (in Rs.) : 4,90,000/- UGC, New Delhi.**

List of submitted Project -

- 1) Role of Cobalt Doping on the Electrical Conductivity of ZnO Nanoparticles, U. Godavarti, **V.D. Mote**, Madhavaprasad Dasari, *Journal of Asian Ceramic Societies*, **2017** (Accepted).
- 2) **V. D. Mote, B. N. Dole**, "Effect of Cr on Structural, morphological and electrical properties of nanoparticles by co-precipitation method", **International conference on nanoscience and nanotechnology (ICONN-2017), August 9-11, 2017, SRM University, Chennai.**

* Technical Program Committee's Member of **3rd Annual International Workshop on Materials Science and Engineering**, September 8-10, 2017, Guangzhou, Guangdong, China.

* Invite Esteem presence as a **Speaker** at II International Conference on Catalysis and Chemical Engineering (CCE-2018) scheduled on **February 19-21, 2018 in Paris, France**.

* Invite Esteem presence as a **Speaker** at Nanotechnology & Materials Science-2017 International conference, November 20-22, 2017 **Dubai, UAE**.

* Invite as a **Speaker** in the International NanoWorld Conferenc "April **23-25, 2018 at San Francisco, USA (NWC-2018)**.

* Invite as a **Speaker** in the **International Conference on Nanotechnology and Nanoscience**" scheduled during **September 18-19, 2017** at Amsterdam, Netherlands

These are the seminars conducted for Computer Science Students

Sr.No.	Date	Time	Topic	Name of Guest
1	04/02/2017 to 05/02/2017	1:00 AM to Onwards	Workshop on Personality Development & interview Techniques (System Engineer,	Mr. Ankush Gutte (Franchise) & Mr. Lahu Gutte TCS, Mumbai) from Radiant Academy,Pune
2	29/07/2017	12:30 PM to Onwards	Buildibng Project using Higher Programming Language & technology	Mr. Sanjeev Khandelwal Sir (Technical Vice President at Bank of America)
3	08/11/2017	2:30 PM to Onwards	Microprocessor & its Applications	Mr. B.R. Gomare Sir (Ex- System Administrator, In Office of chief of the Army Staff, Army Headquarter, New Delhi)
4	28/08/2017	12:30 PM to Onwards	Personality Development & How to Crack Interviews at MNC's	Mr. Sachidanand Kulkarni Sir (Vice President HR & Culture Webonise Lab Pvt. Ltd., Pune)

Departmental Extra activities for Computer Science Students -

Sr.No.	Date	Time	Topic	Name of Guest
1	04/08/2017 to 29/09/2017	2:40 to 3.30	Extra Classes for preparation of placement	By Computer Staff
2	21/08/2017 to Onwards	11.40 AM to 12.30 PM	Remidial Classes for Late admitted students and weak students	By respective Computer teachers

Department of Mathematics -

1. In the year 2017-18 number of student admitted in the mathematics subjects and Result Analysis of the year 2016-17

Student	B.Sc-I Ph.D.	B.Sc-II	B.Sc-III	M.Sc-I	M.Sc-II	COC	M.Phil.
Intake 2017-18	140	100	130	95	37	40	02 16
Result 2016-17	74.60% 02 Award	95.40%	90.11%	57.85%	-	100%	01Award

2. Conference Workshop Organized :

- 1) International Conference on Mathematical Analysis and its Application : IAMAA2017 (During March 5-9, 2017)
 * Participants: Foreign-14, Indian-417
 * Grant Received and Expenditure:

Amount Sanctioned / Received :

1) National Board of Higher Mathematics (NBHM)	120000=00
2) Science & Engineering Research Board (SERB)	100000=00
3) Council of Scientific & Industrial Research (CSIR)	40000=00
4) Indian National Science Academy, New Delhi. (INSA)	30000=00
5) University S.R.T.M. University, Nanded. (SRTMUN)	25000=00
6) Online Registration Fee	422000=00
7) Spot Registration Fees	245600=00
8) Dayanand Education Society, Latur. (DESL)	169551=00
Total	1152151=00

Expenditure :

A) Honoraria, TA/DA Invited Speakers	31700=00
B) Accommodation and Catering	198334=00
C) Stationery, Folders and Postage, Travelling	400317=00
D) Printing of Circulars, Prospectus, Proceeding.	388350=00
Total	1118701=00
E) Balance	33450=00
Grant Total	1152151=00

- 2) District level 14th MMS seminar competition organized Feb. 27-28, 2017
 * Particepant - 26 student
 * Miss. Sakshi Agarwal – Second Prize

3. Books Published:

- 1) S. S. Bellale A Text Books “Target’s perfect Mathematics Target 2017-
 XII-Vol-I” Target Publication, Mumbai (Pub Publication, 2018
 code TPPL-M1-XII March 2017) Mumbai
- 2) S. S. Bellale A Text Books “Target’s perfect Mathematics Target 2017-

4. Conferences: Paper Presented/attended

- 1) S. S. Bellale 20-21 Feb 2017 Participated in National Workshop on Mathematical Softwares (NWMS-2017) , NES Science College Nanded
- 2) S. S. Bellale March 5-9, 2017 Invited Talk and Chair Session in International Conference On Mathematical Analysis and Its Applications (ICMAA2017)
- 3) S. S. Bellale 17-18 April 2017 Participated in National seminar on Present Scenario and Future Challenges of Autonomous Colleges , R.S. College Latur
- 4) S. S. Bellale 04 Aug 2017 Participated in one day workshop on B. Sc. Second Year syllabus structure in mathematics and Computer Science, Bahirji Smarak Mahavidhyalaya, Basmatngar.
- 5) S. S. Bellale 01 Sept 2017 Presented a paper on “ Role of IQAC in Quality Enhancement” in One day National Level Seminar on Revised Accreditation Framework, at Shivaji College Parbhani.

5. Paper Published:

- 1) S. S. Bellale International Journal of Engineering Sciences & Research Technology. Vol.5(9)2016, Pages 436-444, ISSN2277-9655 Hybrid Fixed Point Theorem for Nonlinear Differential Equations Perturbed Measure Differential Equations Feb 2017 Impact factor 4.116
- 2) S. S. Bellale International Journal of Engineering Terndes & Technology.Vol.3(2), ISSN2231-5381 Approximate Solutions for Perturbed Measure Differential Equations with Maxima May 2017 Impact factor 2.88
- 3) V. D. Gaikwad Journal of Advances in Science and Technology ISSN:2230-9659Vol14 (50-56) An Analysis upon various Algorithms solutions in algebraic Number theory factor 0.998 June 2017 Impact
- 4) V. D. Gaikwad Journal of Advances in Science and Technology ISSN:2230-9659Vo14 (33-38) The concept of Relationship among logic and Number theory issues and Challenges June 2017 Impact factor 0.998
- 5) V. D. Gaikwad Journal of Advances and Scholarly Researchers in Allied EquationsISSN: 2230-7540Vol13(37-42) Theory of Differential and Algebraic equations structural and Numerical Solution July 2017

6. Refresher course:

- 1) V.D. Gaikwad- Indian Institute of Technology, Dhanbad (Jharkhand) –A Grade, During 16-5-2017 to 05-06-2017

7. Projects: Proposal Submitted (S. S. Bellale)

Sr. No	Agency	Project Title	Year	Amount
1)	SERB(EMR)	Development of MATLAB Programming for the Solution of Nonlinear Differential and Integral Equations with its Applications	July 2017	2410000.00
2)	SERB (MATRICS)	Qualitative Study of Fixed Point Theory for the Solution of Measure Integro-Differential Equations with its Applications	July 2017	600000.00
3)	RUSA	The Qualitative study of Differential and Integral Equations with MATLAB for Analysis of Nanostructure Thin films for Spintronics Applications and Astrophysical Data Analysis	Aug 2017	2831000.00

Department of Languages -

- 1) Annual magazine Unmesh was published in July 2017 by the hands of Hon. President Shri. Lakshmiramanji Lahoti.
- 2) The inauguration of Literary and cultural association was held on 7th Sept. 2017 by the hands of Dr. Vibhakar K. Mirajkar (Former Principal and Theatre Person).
- 3) Miss. Vidhi Subhash Palsapure (B.Sc.III) got first prize in Elcution competition (district level) and is selected for Hindustani Prachar Sabha central level competiotion.
- 4) Miss.Vidhi Subhash Palsapure stood first in the University in the subject English. She is the recipient of Late Shri. T. Mallikarjun Smruti Paritashik.

Library - (Shri. K. R. Bhise)

Presented Paper in Multidisciplinary International Conference on Human Concerns and Issues in Liertature, Social Sciences, Commerce, Science and Technology entitled "Review of E-Resources In college Libraries", Dated 8th April, 2017 held at Sonubhau Baswant College of Arts and Commerce, Shahapur Dist. Thane.

Sports Department

- 1) In this current year our college students have participated in the Event of Volleyball, Table Tennis, Badminton, Athletics, Cricket, Baseball, Softball and Cross country in A Zone and Inter Zone Inter College Tournaments.
- 2) Firs time Our College women's Cricket team have participated in the A zone Cricket tournament and won the Winner trophy. Total 7 girls of this team were selected in A zone team and achieved second place at university level.
- 3) Our Badminton women's team have participated in the A zone Badminton tournament and won the Winner trophy. Total 3 girls of this team were selected in A zone team and achieved First place at university level.
- 4) Our Badminton men's team also participated in the A zone Badminton tournament and achieved Runner up trophy. Total 2 students of this team were selected in A zone team and achieved Third place at university level.

- 5) This year Sport department has organized '**A' zone Inter collegiate Table Tennis & Badminton (Men & Women) Tournament** on 14 Aug. 2017. Sport department has also organized **Central zone Inter collegiate Table Tennis & Badminton (Men & Women) Tournament** on 22 Aug. 2017.
- 6) 20 days Coaching camp for Baseball, Softball and volleyball players of Dayanand Education society was organized by sport department.
- 7) **Dr. Mahesh Bembade was attended International conference** on physical education, fitness and sports science, which was organized by Department of physical Education, Osmania University, Hyderabad on 19 & 20 Aug. 2017. He has presented research paper on **A comparative study of Physical Fitness components between Cricket and Baseball players.**

National Service Scheme NSS Department -

NSS volunteers Mr. Garude Nitin Tukaram and Mr. Phule Ajay Angad participated in Disaster Management Training Camp (State Level One Week) organised by Shivaji University, Kolhapur).

NCC Department -

CAMP ATTENDED:

- 1) ATC Camp at Babhalgaon – 10 Cadets was participated.
- 2) ATC Camp at Nanded – 12 Cadets was participated.
- 3) ATC Camp at Nanded – 10 Cadets was participated
- 4) ATC Camp at Aurangabad – 05 Cadets was participated.
- 5) ATC Camp at Aurangabad – 05 Cadets was participated.
- 6) NIC Camp at Satara - 02
- 7) All India Trekking expedition AP Trek at Tirupati - 03

SOCIAL ACHIEVEMENTS:

- 1) Cleanness Drive.
- 2) Blood Donation Camp.
- 3) Health Check-up Camp.
- 4) Tree Plantation.

ACHIEVEMENTS:

- 1) 95 % result in 'B' Certificate and 100 % in 'C' Certificate examination.
- 2) Cadet selected as a company commander at ATC camp, Aurangabad.
- 3) 10 cadets have got silver medal in sports activity at ATC camp.
- 4) Suryaji Nikam has got silver medal in cross-country event at ATC Aurangabad.r.

Science Association -

- 1) Science Association is formed in the college and on 20th Aug, 2017. The association is inaugurated by the hands of Principal R. S. Awasthi, Shivaji mahavidyalaya Renapur.
- 2) On 11 Sept. 2017 on the occasion of teachers day celebration a grat "Guru Gyaorav Sohala " was organized by the association in which all teachers were feliciated from the sutdents.

