



DAYANAND SCIENCE COLLEGE, LATUR

ACADEMIC REPORT

1st Jan. 2021 to 9 July. 2021

RUSA –

College has sanctioned **Rs. 2 Cr. Under infrastructure grant from MHRD RUSA**, out of which college received **1 Cr.** Of grant. Out of 1 Cr. College has **utilized Rs. 60 Lakhs** towards the purchase of sport and Lab equipments. The balance of **Rs. 40 Lakhs** to be utilized for renovation of Classroom and virtual Classroom is under progress.

New Initiatives –

1. College has submitted to start new courses Viz. **B.Sc. Biotechnology, M.Sc. Botany and M.Sc. Zoology** to the Govt. of Maharashtra through SRTMUN. All these courses are sanctioned from the **academic year 2021-22.**
2. College has submitted a proposal for department of Biotechnology New Dehli for **Rs. 1 Cr 15 Lakhs** to cover Physics, Electronics, Computer Science, Microbiology, Chemistry, Ind. Chemistry, Department in **DBT – STAR College Scheme.**

UGC - CPE :

A complete 5 years UGC – CPE utilization report and academic report has been submitted to UGC New Dehli office of **Rs. 1.5 Cr.** A balance amount of **Rs. 48 lakhs** are to be receivable from UGC under UGC – CPE scheme.

UGC - COC :

College has Received NOC from UGC – Career Oriented Courses Viz. i) Embedded System design ii) Computer Hardware iii) Drug Analysis iv) Met lab Training v) Food Processing vi) Mobile Repairing.

Green Championship Award :

College has received “One District One Green Championship Award” from Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Govt. of India with cash price of Rs. 5000/-. Our college is only one college in our University to receive this award.

Cluster Head College :

College has been appointed as a Cluster Head College by our parent University to conduct Examinations, paper setting work of Winter and Summer 2020-21 University B.Sc. I, II M.Sc. I examinations of 6 Talukas in Latur District which includes 14 Colleges. The college is conducting the examination smoothly.

Faculty Selection :

Dr. J. S. Dargad, Principal, Dayanand Science College has been selected as a President of “Bhartiya Shikshan Mandal of Latur District.

Innovation Cell :

College has successfully registered for MHRD's Innovation Cell. Dr Komal Gomare is acting as the coordinator of this cell.

Major Research Project :

Dr. Pandage

- i) Sanctioned major research project from SERB 46,00000/- 27 October 2020.
- ii) Sanctioned Major Reserch project from ISRO 19,00,000/- 20 Oct 2020.

Minor Research Project :

Dr. N. S. Korde

- 1. Dr. N. S. Korde sanctioned Minor Research Project entitled "Synthesis, Characterization of metal complexes of B-Diketone and its application as antioxidant and anti-inflammatory agents" from Swami Ramanand Teerth Marathwada University nanded for **Rs. 55000/-**.

Result :

University Toppers 2019- 20

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Result :

Winter 2020-21

Sr. No.	Class	Total Student	Attend Exam Student	Pass Student	FAIL STUDENTS	Collage Percentage
1	B.Sc. I	208	199	156	43	78.39
2	B.Sc. II	320	312	264	48	84.62

3	B.Sc. III	274	264	227	37	85.98
4	BCS I	51	50	34	16	68.00
5	BCS II	96	93	79	14	84.95
6	BCS III	31	31	30	1	96.77
7	M.Sc. I Chem	66	65	53	12	81.54
8	M.Sc. II Chem	71	69	47	22	68.12
9	M.Sc. I C.S.	32	32	31	1	96.88
10	M.Sc. II C.S.	15	15	12	3	80.00
11	M.Sc. I Micro	31	33	29	2	87.88
12	M.Sc. II Micro	41	40	37	3	92.50
13	M.Sc. I B.T.	33	33	31	2	93.94
14	M.Sc. II B.T.	25	23	17	6	73.91
15	M.Sc.I MATH	66	66	59	7	89.39
16	M.Sc.II MATH	80	79	64	15	81.01
17	M.Sc.I PHY	31	30	24	5	80.00
18	M.Sc.II PHY	30	30	2	28	6.67
		1501	1464	1196	265	

Department of Physics , Electronics

Departmental Activities:

Our Department is running B.Sc. Physics / Electronics & M.Sc. (Physics).

- **Three Days Online Workshop on Quantum Mechanics & Electronics for PG students****
Science Academies Workshop for M. Sc. Students is conducted from **1st January to 3rd January, 2021 on “Quantum Mechanics & Electronics”**. The students from Dayanand Science College, Latur, Rajarshi Shahu College, Latur and Shri Chatrapati Shivaji College, Omerga. About 112 students were present. (The workshop is conducted online).
- A short term course has been completed from 18 January, 2021 to 23 January, 2021 on **“E content Development and Online pedagogy”** from Usmania University, Hyderabad.
- Dr. L. V. Thakre awarded as Best Teacher Award-2021.
- A paper has been published in peer reviewed journal **“Effect of Co-doping on structural and optical properties of ZnO Thin Films”** in international journal of Scientific Research in Science and Technology February 7-9, 2021.

Inpire Faculty :-

Dr. Pandage

List of Published Papers:

1.	Exploring the hot gaseous halo around an extremely massive and relativistic jet launching spiral galaxy with XMM-Newton <ul style="list-style-type: none">Mirakhor, M. S. Walker, S. A. Bagchi, J. Fabian, A. C. Barth, A. J. Combes, F. ; Dabhade, P. ; Ho, L. C. ; Pandge, M. B.	MNRAS	5.5
2.	A detailed study of X-ray cavities in the intracluster environment of the cool core cluster Abell 3017 <ul style="list-style-type: none">Pandge, M. B. Sebastian, Biny ; Seth, Ruchika Raychaudhury, Somak	MNRAS	5.5
3	GMRT unveils steep spectrum filamentary relic structures in the galaxy cluster Abell 725 M. B. Pandge, 1★Ruta Kale, Pratik Dabhade, 3,4,5 Mousumi Mahato 3 and Somak Raychaudhury	MNRAS Submitted	5.5

Awards/achievements :

- i) Completed one month online Refresher course on Astronomy and Astrophysics.

Department of Computer Science

Student Progress Report :

1. Three students from computer science department are participated in Technovation Hackthone-3 held on 26-27 Jan 2021 organized by School of Engineering & Technology, Sharda University, Grater Noida, U. P. This Activity conducted on Online platform. In jr. session Prashant Hande (BCS SY) prepare a project on cyber and received in 8th Rank in competition. In senior group Swapnil Mathpati (BSC TY), Viraj Bhimpure (BSC SY) participated and prepare a robot for Hygienic robotic cleaner which ables to cleans surface.
2. Harshada Joshi (BSC TY) was appointed as BPM (Branch Post Master) at Samudravani (Dist Osmanabad) on 28 Dec 2020.

Faculty Progress Report

1. Dr. Rohini Shinde worked as a organizing committee member for the “15 Days Webinar Series” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
2. Worked as a mentor for students in Technovation Hackthone-3 held on 26-27 Jan 2021 organized by School of Engineering & Technology, Sharda University, Grater Noida, U. P.
3. Dr. Rohini Shinde has been appointed as **Microsoft Teams Admin** for Dayanand Science Senior College, Latur on Date: 6th Jan 2021.
4. Dr. R. B. Shinde Participated in the **04th Online Guru Dakshta Faculty Induction Programme (FIP)** Organized by UGC HRDC Dr. Babasaheb Ambedkar Marathwada University Aurangabad from 01st Feb 2021 to 08th March 2021.

5. Dr. R. B. Shinde has delivered invited talks in the “Online Ph.D. Course Work Summer-2021” Organized by Mathematics Research Center, Dayanand Science College, Latur from date 24th May to 09th June 2021.
6. Dr. R. B. Shinde has appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.
7. Dr. R. B. Shinde Published he paper titled as “A fuzzy Logic Approach for Predicting and evaluating Learner’s Category in E-learning System” in an International Journal “Journal of Emerging Technologies and Innovative Research (JETIR) April 2021 , vol. 8, issue 4.
8. Mrs. Sangita A Jaju worked as a Coordinator for the “**15 Days Webinar Series**” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
9. Mrs. Sangita A Jaju Published he paper titled as “A fuzzy Logic Approach for Predicting and evaluating Learner’s Category in E-learning System” in an International Journal “Journal of Emerging Technologies and Innovative Research (JETIR) April 2021 , vol. 8, issue 4.
10. Mrs. Sangita A Jajuhas appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.
11. Miss. S. V. Kale worked as a organizing committee member for the “**15 Days Webinar Series**” organized by Department of computer science, Dayanand science college Latur. During **1st January to 25th January 2021.**
12. Miss. S. V. Kale has appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.
13. Miss. Nikita Shinde worked as a organizing committee member for the “**15 Days Webinar Series**” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
14. Miss. Nikita Shinde worked as organizing committee member for the “**Debate and Eloquence Competition**” organized by Dayanand Science Senior College, Latur on Date: 28th Feb 2021.
15. Miss. Nikita Shinde worked as organizing committee member for the “**Go Green Green Talk Competition**” organized by Dayanand Science Senior College, Latur on Date: 5th June 2021.
16. Miss. Nikita Shinde has appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.
17. Mr. M. B. Sugare worked as a organizing committee member for the “**15 Days Webinar Series**” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
18. Mr. M. B. Sugare has appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.
19. Mr. V. G. Kulkarni worked as a organizing committee member for the “**15 Days Webinar Series**” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
20. Mr. V. G. Kulkarni has been appointed as Microsoft teams admin for Dayanand science senior college latur, on date 6thjan 2021.
21. Mr. V. G. Kulkarnihas appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.

22. Mrs. A. G. Kutwad worked as a organizing committee member for the “15 Days Webinar Series” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
23. Mrs.S. S. Kulkarni worked as a organizing committee member for the “15 Days Webinar Series” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
24. Mrs.S. S. Kulkarni has appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.
25. Miss Kadam K. V. worked as a organizing committee member for the “15 Days Webinar Series” organized by Department of computer science, Dayanand science college Latur. During 1st January to 25th January 2021.
26. Miss Kadam K. V. has been appointed as **Microsoft Teams Admin** for Dayanand Science Senior College, Latur on Date: 6thJan 2021
27. Miss. Kadam K. V. worked as mentor for students in Technovation Hackathon-3 held on 26-27 organised by School of Engineering and Technology, Sharda University, Greater Noida U.P.
28. Miss Kadam K.V has appointed as member of board of paper setting for the Class B.Sc. I year for Cluster Head center, Dayanand Science College, Latur on 09/03/2021.
29. Miss Kadam K. V has appointed as paper setter for semester examination Winter 2020 of the class B.Sc. (Computer science) - I year for Cluster Head center, College of Computer science And Information Technology, Latur.

Academic Event Report

Due to Pandemic COVID-19, Academic year 2020-21 started on virtual platform ‘Microsoft Teams App.’. By taking advantage of this opportunity computer science department organized following programs for students and staff.

Report On UGC-CPE Sponsored Five Day “e-WORKSHOP ON LATEX”.

Five Day e-workshop on “LATEX” sponsored by UGC- CPE was organized by department of computer science held within 11th Aug 2020 to 15th Aug 2020. **Dr. M. B. Pandge**(D. S. T. INSPIRE Faculty, SERB Young Scientist, Dayanand Sci. College, Latur), is the resource person for this workshop. HOD, **Dr. R. B. Shinde** was the co-coordinator of this workshop.

The objective of e-WORKSHOP is to give basic and advanced knowledge about **LATEX** using **OVERLEAF** environment which is helpful in writing seminar, thesis, research papers etc. All staff member of Computer Science department and Students from BSc, BCS, MSc(CS) were registered for this workshop. For creating more interest about LATEX practice Assignment were given to students. This extra knowledge other than academics was beneficial for student’s development.

Attendance on day 11th Aug 2020 – 97

Attendance on day 12th Aug 2020 - 92

Attendance on day 13th Aug 2020 - 87

Attendance on day 14th Aug 2020 - 89

Attendance on day 15th Aug 2020 – 84

2)15 Day’s Webinar Series

Report On 15 Day's Webinar Series

UGC-CPE Sponsored Fifteen days Webinar Series Program was organized by department of Computer Science held within 4th Jan 2021 to 24th Jan 2021. Mrs. Jaju S. A. and Miss. N. R. Shindewas the program Co-Ordinator of this webinar series. Around 233 students from B.Sc., B.Sc.(CS) FY,SY,TY, and M.Sc. (CS) FY,SY and faculty of the computer science department attended the program.

15 ays Webinar Series Followed 15 days Scheduling As Follows:

1. First Day webinar session on the topic '**Data Mining and Data Warehousing**' was held on 04th January 2021. **Dr. Santosh Shrikhande**(Assistant professor at School of Technology, Sub-Center, Latur), is the resource person for this webinar.
2. Second Day webinar session on the topic '**Digital Image Processing**' was held on 05th January 2021. **Miss. Lalita Randive**(Assistant professor at MIT Aurangabad), is the resource person for this webinar
3. Third Day webinar session on the topic '**Enterprise Resource Planning (ERP)**' was held on 06th January 2021. **Dr. Mahendra Kondekar**(Principal MIT CIDCO, Aurangabad), is the resource person for this webinar.
4. Fourth Day webinar session on the topic '**Basic of Fuzzy Logic**' was held on 07th January 2021. **Mrs. Kiran Pradhan** (Assistant professor at Rajashri Mahavidyalaya, Latur), is the resource person for this webinar.
5. Fifth Day webinar session on the topic '**Cyber Security & Forensics**' was held on 08th January 2021. **Dr. Shriram Raut**(Assistant professor Department of Computer Science, School of Computational Science Punyashlok Ahilyadevi Holkar University, Solapur), is the resource person for this webinar.
6. Sixth day webinar session on the topic '**Internet of Things**' was held on 09th January 2021. **Mrs. Dipali Pingale**(Project Manager, TCS Mumbai), is the resource person for this webinar.
7. Seventh Day webinar session on the topic '**Basics of Data Science**' was held on 11th January 2021. **Dr. S. S. Chowhan**(Symbiosis Institute of computer studies & Research center Symbiosis International University, Pune), is the resource person for this webinar.
8. Eighth Day webinar session on the topic '**Data Science Python**' was held on 13th January 2021. **Dr. Renuka Londhe**(Nodal Officer & HOD of Computer Science Rajashri Shahu Mahavidyalaya, Latur), is the resource person for this webinar.
9. Ninth Day webinar session on the topic '**Content Based Image Retrieval**' was held on 15th January 2021. **Dr. Rajiv Kumar Mente**(Incharge HOD of Department of Computer Applications, School of Computational Science Punyashlok Ahilyadevi Holkar University, Solapur), is the resource person for this webinar.
10. Tenth Day webinar session on the topic '**Biometric Application**' was held on 16th January 2021. **Dr. Vikas Humbe**(Assistant Professor, School of Technology S.R.T.M. University, Nanded), is the resource person for this webinar.
11. Eleventh Day webinar session on the topic '**Personality Development**' was held on 18th January 2021. **Mr. Sudhir Todkar**(Director Netizen Foundation, Latur), is the resource person for this webinar.
12. Twelfth Day webinar session on the topic '**FREELANCING**' was held on 19th January 2021. **Mr. Mahesh Patrike**(Director, Synergy Infotech, Latur), is the resource person for this webinar.

13. Thirteenth Day webinar session on the topic '**Artificial Intelligence**' was held on 22th January 2021. **Dr. Prashant Agnihotri**(Assistant Professor, School of Technology S.R.T.M. University, Nanded), is the resource person for this webinar.
14. Fourteenth day webinar session on the topic '**Trends, Guidelines & Preparation for Interview**' was held on 23th January 2021. **Mr. Shantanu Vyavahare**(Assistant Professor, Department of Computer Science & IT, MIT Aurangabad), is the resource person for this webinar.
15. Fifteenth Day webinar session on the topic '**Importance of Communication**' was held on 25th January 2021. **Mr. Ranjay Kale** (Assistant Professor, MIT, CIDCO, Aurangabad), is the resource person for this webinar.

There was an interactive question and answer session following the presentation and the program came to an end with the proposal of vote of thanks by faculty of computer science department.

Department of Mathematics :

- 1 Mathematics Department** Organized one day workshop on "**Online Ph.D. Course works**" at Dayanand Science College Latur, during 24 May to 09 June 2021. Total 13 Pd.D. Students and Teacher participants attended this workshop.
- 2 Mathematics Department** Organized University Level "**Online Workshop on Project writing for PG students**" organized at Dayanand Science College, Latur, on the date 31 May 2021, for UG and PG students. Total 246 PG students participated in this competition.

Research:

- 1.** Mr. N. S. Pimple of Rajarshi Shahu College, Latur has Completed Ph.D. Degree under guide ship of Dr. S. S. Bellale
- 2.** Mr. D. M. Suryawanshi of Dayanand Science College Submitted Ph. D. Thesis under guide ship of Dr. S. S. Bellale
- 3.** Mr. R. M Reddy, Principal, Govt Degree College Dharpally, Nizamabad, Telangana has Submitted Ph. D. Thesis under guide ship of Dr. S. S. Bellale

E-Content Development:

- 1. Dr. S. S. Bellale** has been developed 921 e-contents for UG and PG students on YouTube these e-Contents are published on SRTMUN, website.
- 2. Dr. S. S. Bellale** Completed Short Term Course on "Intellectual Property Right" at UGC-HRDC Indore During, 01.03.2021 to 06.03.2021
- 3. Dr. S. S. Bellale** Completed Short Term Course on "E-Content Development" at UGC-HRDC Gujrat During, 31.03.2021 to 06.06.2021

Department of Chemistry :

5. Mr. R. V. Panchal (Dayanand Science Jr. College, Latur) and Mr. Nagargoje Ganesh (Shivaji Mahavidyalay Renapur) Awarded by Ph.D. Degree by S.R.T. M. U. Nanded under the guidance of Dr. N. A. Kedar.
6. Dr,N.S.Korde Acted as a renowned speaker in a online National level program entitled “**Science of Metals**” organized by Shri. Kumarswami Mahavidyalaya, Ausa on 26/05/2021.
7. Dr,N.S.Korde Acted as judge for the **Handmade poster competition** on the occasion of World Environment Day-2021 organized by Dayanand Science College, Latur on 05/06/21
8. Dr,N.S.Korde Attended Seminar/Workshop/Conferences/FDP:

Sr. No.	Workshop/ Seminar/FDP	Title	Venue	Regional/ National/ International	Date
1	Workshop	Soft Skills Development	Maharashtra Udaygiri Mahavidyalaya, Udgir	National	22.03.21
2	e-conference	Covid-19 and its impact on global tourism-2021	RSM, Latur	International	23/03/21
3	FDP	Post covid and higher education	Late sow. Kamaltai Jamkar Mahila Mahavidyalaya, Parbhani	National	19/04/21 to 26/04/21
4	FDP	Research Methodology	Kamla Nehru Mahavidyalaya, Nagpur	National	26/04/21 to 01/05/2021
5	Workshop	International biodiversity day	Shri Kumar Swami Mahavidyalaya, Ausa	National	22/05/21
6	e-conference	Soft skills	Azad Mahavidyalaya, Ausa	National	27/06/21

9. Dr. R. S. Shinde presented a paper on eco friendly synthesis on aryl azo Schiff bases and their biological activity in two days international e-conference of advanced material on emerging technology,
10. Presented poster on ecofriendly synthesis characterization and antibacterial activities on schiff's bases.

Department of Ind. Chemistry :

1. Faculty member Dr A.M Chougule and Mr R.K Jadhav Participated in Yoga day online Dayanand Science College Latur.
2. Dr A.M Chougule working as judge to evaluate Flash card competition D.S.C.L.
3. Dr A.M Chougule participate and oral presentation in International e-conference on Material Science and nanotechnology (e-ICMSN-2020) Dayanand Science College Latur.

4. Mr R.K Jadhav Conducting project of M.Sc Chemistry students at department of Chemistry at D.S.C.L.
5. Faculty member Dr A.M Chougule and Mr R.K Jadhav design curriculum of B.sc IIIrd year Industrial chemistry subject of S.R.T.M.U nanded.
6. Department run the NAMP project continuously without any break in such pandemic period also.
7. Dr A.M Chougule guideline to student for preparation of project on technical product.
8. Department organize power point presentation of B.Sc Third and B.Sc First year Students.
9. Department conducted online test for B.Sc I,II,III year students
10. Department conducted online periods for B.Sc I,II,III year students and completed Syllabus
11. Participation of all college activities during July 2020 to July 2021

Department of Microbiology and Biotechnology :

Special Achievement:

1. **Mr. Suraj Sanap** (MSc Micro SY appear) qualified MH-SET examination in Life sciences.

University Merit:

1. **Miss Vidhi Pulsapure** secure First rank in MSc Microbiology in University and Own Gold Medal.
2. **Miss. Yashshri Dudhat** secure Second Merit in MSc Microbiology in University.
3. **Miss. Anuradha Ingle** Stood First rank in BSc Microbiology in University.
4. **Miss. Shraddha Ghorpade** Stood Second rank in Bsc Microbiology in University.

Book Chapter

1. **Rahul A. More**, Kailash S. Sontakke, Govind B. Sanap and Shreyas S. Mahurkar. "Antimycobacterial, Antioxidant and Cytotoxic Profile of Four Indian Spices" "Research and Development in Pharmaceutical Science (ISBN: 978-81-951982-4-5)" in June 2021.

Research Publications:

1. V. A. Adole , **R. A. More** , R. A. Shinde, S. L. Dhonnar, B. S. Jagdale, T. B. Pawar, S. G. Shinde, A. V. Patil. Spectroscopic (FTIR and UV), Quantum Chemical, Antifungal and Antioxidant investigations of (E)-7-(4-(trifluoromethyl)benzylidene)-1,2,6,7-tetrahydro-8H-indeno[5,4-b]furan-8-one: A combined experimental and theoretical study. Vietnam Journal of Chemistry =Date of Accepted 20 May 2021
2. Thansing Pawar; Rohit S. Shinde; **Rahul A. More**; Vishnu A. Adole; Prashant B. Koli; Bapu S. Jagdale; Bhatu S. Desale; Yuvaraj P. Sarnikar. Design, Fabrication, Antitubercular, Antibacterial, Antifungal and Antioxidant Study of Silver Doped ZnO and CuO Nano Candidates: A Comparative Pharmacological Study. Current Research in Green and Sustainable Chemistry. Date Paper Accepted: Jun 25, 2021
3. Pushpa Karale, SC Dhawale, **MA Karale**. Antiobesity Potential and Complex Phytochemistry of *Momordica charantia* Linn. with Promising Molecular Targets. Indian Journal of Pharmaceutical Sciences. 82(4)- 548-561 Oct. 2020.
4. Pushpa Anantrao Karale, Shashikant Dhawale, **Mahesh Karale**. Phytochemical Profile and Antiobesity Potential of *Momordica charantia* Linn. IntechOpen. May 2021.

5. D. N. Mishra, **K. S. Gomare** and S. V. Sheelwant (2020) "GC-MS Analysis and Phytochemical Screening of *Indigofera tinctoria* (Linn.) Leaf extract characterizing its Medicinal use" International Journal of Ayurvedic Medicine (IJAM) ISSN – 0976-5921 Vol. 11 (2), pp 289-299.

Papers Communicated:

1. **K. S. Gomare**, D. N. Mishra, K. C. Nagime, G. S. Gomare and S. V. Gurme Medicated hair oil formulation and positive effect on dandruff control with hair growth - Indian Journal of Traditional Knowledge
2. D. N. Mishra, S. V. Gurme and **K. S. Gomare** Use of *Hibiscus* flowers and leaves in hair treatment: A study through GC-MS identified phyto-compounds and antifungal agents - Indian Journal of Natural Products and Resources

Achievements by Faculties:

1. **Miss. S. S. Dhutekar** qualified SRTMUN-PET 2021 Examination
2. **Mr. Sanket Bansode** qualified SRTMUN-PET 2021 Examination

Paper presented:

1. **Dr. R. A. More** participated and presented a research paper in International e-conference on Material Science and Nanotechnology 2020 Organized by Department of Physics, Dayanand Science College, Latur Date:17-19 Dec 2020
2. **Dr. Komal Gomare** Presented paper in International e-Conference on Material Science & Nanotechnology on **Exposure to Physical Radiations and Hair disorders (Alopecia) – recovery potential in *Mādhav Cikitsā*** Sponsored by UGC-CPE, organized by Department of Physics, Dayanand Science College, Latur, on 17th-19th December, 2020
3. **Dr. Komal Gomare** Presented paper in Two-Days International Conference Proceeding in Life Sciences on **Phytochemical and GC-MS analysis of *Ficus benghalensis* (Linn.) aerial roots, used as a drug for hair disorder as per *Mādhav Cikitsā*** Organized by International Journal of Microbial Science (IJMS) held on 1st March to 2nd March 2021.

Activities conducted by department:

1. **Dr. K. S. Gomare** Organized Debate competition was on the Topic "**Online Teaching: Good or Bad**" and topic for Eloquence competition was "**Use of ICT in Education Times Need.**" Date : 27 February, 2021
2. **Dr. K. S. Gomare** Organized World Environment Day, **Go Green, Green Talks Competition** Date: 05-06 June 2021.
3. **Dr. K. S. Gomare** Organized Workshop on the occasion of **Earth Day – "You Save To Me... Will Save To You.** Guet lecture by Dr. Amol Shirphule" Date 22April, 2021
4. **Dr. K. S. Gomare** Guest Lecture on "**The Principles of quality research and mind conditioning**" Guest: Prof. Dr.D. N Mishra, Pro Vice-Chancellor, PAH Solapur University, Solapur, MS, India. Date: 1stMay, 2021
5. **Dr. K. S. Gomare** Guest Lecture on "**Current Job Situation and Need in Industry.**" Mr. Jeevan B. Channe Associate Scientist in Manufacturing Science & Technology Dept., Syngene International Ltd, Bangalore. Date: 20 January, 2021

6. **Dr. K. S. Gomare** Guest Lecture on **“Introduction to bioprocess engineering.”** Mr. Ram Gaikwad Senior Officer, Bharat Serum and Vaccine, Mumbai Date: 28 January, 2021
7. **Dr. K. S. Gomare One Day Workshop** was to increase the Awareness of Covid-19 by Dr. K. S. Gomare, Dayanand Science College, Latur Date: **13th May, 2021**
8. **Dr. K. S. Gomare** Guest Lecture on **“Exploring wine industry and its various aspects.”** By Miss. Mamta Bhardwaja, Self enterprenuer in wine industry, Pune Date: **8th March, 2021.**

Special Invitee:

1. **Dr. K. S. Gomare** Guest Faculty for M.Sc. course sem II - 2021 in the Department of Microbiology, School of Life Sciences Punyashlok Ahilyadevi Holkar Solapur University, Solapur
2. **Dr. K. S. Gomare** as a Speaker in Marathi breakout room in FDP on **“COVID-19: A Global Health Challenge”** Organized by Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education Government on 11th May, 2021
3. **Dr. K. S. Gomare** Special talk on **“COVID-19: A Global Health Challenge”** as part of FDP at Dayanand Science College, Latur in Collaboration with Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education Government on 13th May, 2021

Training programme attended:

- i. **Dr. K. S. Gomare** Attended training on Essentials of COVID-19 Diksha, Department of Personnel and training, 9th June 2020

Faculty development programme:

1. **Dr. K. S. Gomare** Participated in the Five Days Online Faculty Development Program (FDP) on **‘Precision Medicine’** Organized by School of Biotechnology and Bioinformatics, D. Y. Patil University, Navi Mumbai from 19th – 23rd January, 2021
2. **Dr. K. S. Gomare** Attended Faculty Development Program on Building Emotional Intelligence and Resilience Case Method of Experiential Teaching and Learning Organized by Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education Government from 10th – 14th May, 2021

Extracurricular activities:

1. **Dr. K. S. Gomare** is Life Member of the Microbiologists Society, India from Dec 2020 Membership No. MS /LM/545
2. **Dr. K. S. Gomare** has got Certificate of appreciation awarded on 21st March 2021 for active involvement in 20th National Level MicrobioLogical Contest and MicrobiOlympiad

3. **Dr. K. S. Gomare** Submitted Action Research Project Report on Building Emotional Intelligence and Resilience Case Method of Experiential Teaching and Learning Organized by Ministry of Education Government, Faculty Development Centre, Mahatma Gandhi National Council of Rural Education Sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
4. **Dr. K. S. Gomare** acting as District (Latur) Coordinator of Career Katta Maharashtra State, Department of Higher and Technical Education and Maharashtra Information Technology Assistance Center

Participation in Webinars/Conferences/workshops:

1. **Dr. R. A. More** participated and presented a research paper in International e-conference on Material Science and Nanotechnology 2020 Organized by Department of Physics, Dayanand Science College, Latur Date:17-19 Dec 2020
2. **Dr. K.S. Gomare** has Attended National webinar on Implementation of NEP 2020 organized by IQAC, PAHSU, Solapur on 25th Sept. 2020
3. **Dr. K.S. Gomare** participated and presented a research paper in International e-conference on Material Science and Nanotechnology 2020 Organized by Department of Physics, Dayanand Science College, Latur Date:17-19 Dec 2020
4. **Dr. K.S. Gomare** Participated in International Webinar on COVID-19: Current Status of Vaccine Development and Immunization organized by Mangalore University and Microbiologist society, India (MSI), Karnataka chapter on 30th Sept. 2020
5. **Dr. K.S. Gomare** Participated in Two day International recent trends in life science organized by Department of Microbiology and Botany, Digambarrao Bindu Arts, Commerce and Science College, Bhokar in collaboration with SRTMUN and Microbiologist society, India (MSI) on 15th& 16th Sept. 2020
6. **Dr. K.S. Gomare** Participated in Spit Free India Movement to prevent the spread of COVID-19 conducted by Department of NSS, Swami Ramanand Teerth Marathwada University, Nanded in collaboration with Pledge for Life, September – November 2020
7. **Dr. K.S. Gomare** Participated in Two Days National Workshop on National Education Policy 2020- Implementation Plan, organized by Swami Ramanand Teerth Marathwada University, Nanded on 26-27 Sep. 2020
8. **Dr. K.S. Gomare** Participated in National Level Online Quiz entitled, 'National & State Animals of India' an awareness campaign under 'Wildlife Week, 2020' Maharogi Sewa Samiti, Warora Anand Niketan College, Anandwan, Botany Department, Botanical Society Celebrated from 2nd to 8th October, 2020
9. **Dr. K.S. Gomare** Participated in "Mohan to Mahatma" Quiz Contest organized by Innovative Programme Cell, Shivaji Mahavidyalaya, Renapur on 2nd October, 2020
10. **Dr. K.S. Gomare** Participated in Two Day Science Virtual Lecture Workshop on "COVID-19: Basics to Clinical" organized by Department of Botany, Telangana University, Dichpally, Nizamabad on 9th- 10th December, 2020
11. **Dr. K.S. Gomare** Participated in International Webinar on "Biomimicry and Sustainable Development" organized by Department of Environmental Science, School of Earth Sciences, PAHSU, Solapur on 4th January, 2021

12. **Dr. K.S. Gomare** Participated in International Webinar on “Wetland Systems” organized by Department of Environmental Science, School of Earth Sciences, PAHSU, Solapur on 4th February, 2021
13. **Dr. K.S. Gomare** Participated in one day National Webinar on “Role of Sciences in Pandemic like COVID-19” organized by Faculty of Science, Late Pushpadevi Patil Arts and Science College, Risod on 28th February, 2021
14. **Dr. K.S. Gomare** Participated in National Quiz Competition On Biodiversity on the occasion of National Science Day February-2021 Organized by Department of Zoology and Fishery Science, RSM, Latur

Department of Zoology :

Dr. R. V. Solunke : One research students (Ganesh Nogja) Registered under Dr. R. V Solunke for Ph.D. from 26 June 2021

Department of Languages :

1. Ms. Pandit M M participated in One Day Workshop on ‘The Principles of Quality Research and Mind Conditioning’ organised by Dayanand Science College, Latur.(Date 1/05/2021)
2. Ms Pandit M M worked as a Judge for Bio- poetry Competition organised by Department of Microbiology and Biotechnology, Dayanand Science College, Latur. (5/05/2021)
3. Dr G H Bane attended International Webinar organized by Janwikas Mahavidyalaya, Bansaola (Tq. Kej, Dis. Beed) on 19/01 2021.
4. Dr G H Bane published a paper entitled ‘Krushna Sobatike Upanyaso me Narika Sangharsh’ in Research Journal (International E-Research Journal - E-ISSN-2348-7143, Impact Factor- 6.625 January 2021,)
5. Dr G H Bane worked as a Judge for Bio- poetry Competition organised by Department of Microbiology and Biotechnology, Dayanand Science College, Latur. (5/05/2021)
6. Dr R RShetkar published a book(as an Editor)entitled ‘Lok prabodhankar AnnabhauSathe on 1 /01/2021, ISBN 978-81-945948-2-6)
7. Dr R R Shetkar worked as a Judge for Bio- poetry Competition organised by Department of Microbiology and Biotechnology, Dayanand Science College, Latur. (5/05/2021)
8. Miss ManishaPrakashraoDespande (B Sc II) got Consolation Prize in Shivchatrapati Intercollegiate State Level Online Elocution Competition, organised by Shri Shivaji Mahavidyalaya, Barshi. (Date 21/01/2021)

Sport Department –

On the occasion of International YOGA day, Department of sport has organized One day YOGA training program for all the staff members and students of Dayanand Education Society, Latur on 21 June 2021. This program was conducted by online method. YOGA expert Dr Sandeep Jagdale give knowledge of yoga in this program. All the staff members, students have participated in this program.

NCC Department :-

- Enrolled Boys and Girls cadets (total 53) in NCC.
- Selected NCC Representative: BHIMPURE VIRAJ SUNIL
- Selected NCC SUO : PEDDAWAD SAURABH NARAYAN
- Selected NCC JUO JANGID DIPAK JAGDISHPRASAD

- Activity:**
- 1) Dayanand Science College, Latur has organized N.C.C. Camp for Science, Arts and Commerce College N.C.C. Cadets during 08 February 2021 To 12 February 2021
 - 2) Covid-19 training for N.C.C. cadets (online training on iGOT platform).
 - 3) Conducted 'C' certificate examination for all N.C.C. cadets for S3, MAHNn, NCC, Latur at Dayanand Science College, Latur dated on 08 March 2020.
 - 4) N.C.C. cadets support to police department and worked as a COVID-19 warriors at Latur during May 2021.

SOCIAL ACHIEVEMENTS:

- 1) Yoga Day
- 2) Tree Plantation.
- 3) COVID Vaccination RE-Awareness Program.

ACHIEVEMENTS: 1) 100 % result in 'B' Certificate examination.

NSS department :

1. Department of NSS and Department of Microbiology has organized one day online workshop on as innovative activity relating pandemic situation on dated 13th May 2021. the main aim of the one day workshop was to increase the awareness of Covid-19
2. Deptment of NSS organized on occasion of world environment day Treeplantation programme in Dayanand Science college campus the president of programme is Dr .J.S Dargad and Dr. S.P Gaikwad, Dr Salunke etc

MPCB Project :

National Ambient Air Quality Monitoring Project Report

National Ambient Air Quality Project Run by Department of Industrial Chemistry continuously without taking any break in such pandemic period also. **Due to this reason received the proper and full grant to Education Society.**

Education Society Also received the grant for purchasing **New Machines**

From July-2020 To July-2021 we run by the machines for monitoring Rspm,Spm only

Sub Regional Officer MPCB Latur visited to our centers and they satisfied **and suggested that immediate monitoring for So2 & Nox**

Overall Result of Rspm of Latur city below the Normal Range as per the standard of CPCB.

Health Check Up -

There is no offline College during the period of July 2020 to July 2021 due to this reason it is not possible to organize the Health Check Up camp in the College.

Annual Gathering –

There is no offline College during the period of July 2020 to July 2021 due to this reason it is not possible to organize the Annual Gathering in the College

SWAYAM-NPTEL local Chapter

Introduction :

- **SWAYAM** or *Study Webs of Active Learning for Young Aspiring Minds* is a programme of the Ministry of Human Resource Development, Government of India, that enables professors and faculties of centrally funded institutions like IITs, IIMs, Central University Of Haryana to offer online courses. Previously, the courses were only for the citizens of India, but now they are offered to anyone in the world having an internet connection.
- SWAYAM, the free online education was developed by MHRD, Govt. Of India and AICTE with the help of Microsoft. It offers hundreds of courses with transferable credits.
- All courses are offered free of cost under this programme, however fees are levied in case the learner requires a certificate.
- In the first phase, IIT Bombay, IIT Madras, IIT Kanpur, IIT Guwahati, University of Delhi, JawaharLal Nehru University, IGNOU, IIM Bangalore, IIM Calcutta, Banaras Hindu University, alone as well as with the help of faculty from foreign universities will be offering courses in areas of engineering education, social science, energy, management, basic sciences. At least one crore students are expected to benefit in 2 to 3 years through this initiative. India has become one of the few countries in the world which has its own online interactive learning platform that provides not only video lectures and reading material but also assignments/quizzes that could end up in securing credits after completing the assessment system. Ex-President of India Shri Pranab Mukherjee launched the SWAYAM and SWAYAM Prabha, the 32 DTH channels operationalised for telecasting educational content free of charge using the GSAT-15 satellite transponders.

Establishing SWAYAM NPTEL Local Chapter in Our College

- **SPOC Name**—Dr. RAVINDRA S. SHINDE
- **Designation** - ASSISTANT PROFESSOR, CHEMISTRY
- **Partnering since** - Dec-2017
- **College Id**— 1476

The Dayanand science college, Latur establish NPTEL local chapter on December 2017. According to this our Principle prepare committee to run online NPTEL course in college. The NPTEL local chapter web page of Dayanand Science College being created by NPTEL on it:

<http://nptel.ac.in/localchapter.>,

https://nptel.ac.in/LocalChapter/college_homepage.php?collegeid=1476

<https://nptel.ac.in/LocalChapter/ack3/1.php>

2. Committee:

SWAYAM -NPTEL Portfolio 2020-21

Sr. No.	Name of Member	Designation
1	Dr. R. S. Shinde	Co-ordinator
2	Dr. S. S. Mahurkar	Member
3	Prof. S. S. Jaju	Member
4	Prof. M. B. Sugre	Member

Outcomes :

For announcements, you may go to <http://nptel.ac.in/>. The main outcomes/objectives are as follows.

1. NPTEL web and video courses across 23 disciplines are available on our portal nptel.ac.in.
2. In 2014 process of getting certified from NPTEL courses was initiated, so that learners get a tangible end result in the form of a certificate from the IITs/IISc for their effort.
3. Certification courses are offered twice a year (Jan-Jun, Jul-Dec).
4. Joining a course is free.
5. Anyone can learn from these courses anywhere anytime.
6. No pre-requisites, no age limit, no entrance criteria to enroll.
7. Learning can be done by watching videos and this is tested by the weekly assignments, that are to be submitted online within the prescribed deadline.
8. Any queries/doubts you may have, you can post in the respective discussion forum, which will be answered by the faculty and his/her team.
9. There is an optional proctored certification exam that the learner can take for a nominal fee at the end of the course to earn certificates from the IITs.
10. Enabling students to obtain certificates to make students employable in the industry or pursue a higher education program.
11. Relevant exposure to tools and technologies are being offered.
12. The learner has to be present in person for the exam and currently exams are conducted only in India in about 130+ cities in two shifts. Learner has to appear at the designated exam centre to participate in the exam, where his/her id is verified.
13. The 25% of the final marks comes from the Assignments and 75% from the final exam.
14. To enhance skills and gain essential knowledge required for student's field or brushing up the basic key concepts.
15. To build a strong resume and character ultimately grooming students to get easily absorbed in a cooperate life.

The main benefits of participating in an online course under NPTEL are:

1. Students: credit transfer and better resume.
2. Faculty: Refresher courses, AICTE recognized FDP courses.
3. Working professionals: For upskilling and reskilling.

Certification of students in various categories July-Oct 2019

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper
July-Oct 2019	5	0	4	1	0	5	0
Jan-Apr 2019	4	0	1	1	1	1	0
Jul-Oct 2018	3	0	1	0	0	2	0

SWAYAM-NPTEL Exam Result

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper
July-Oct 2019	5	0	4	1	0	5	0
Jan-Apr 2019	4	0	1	1	1	1	0
Jul-Oct 2018	3	0	1	0	0	2	0

Statement of teachers attending the SWAYAM-NPTEL workshops

Sr.No.	Workshop title	Date of the workshop	Name of the teacher
1.	SPOC Felicitation Workshop/ NPTEL Awareness program at IIT, Bombay	12 January 2018	Dr.R.S. Shinde
2.	SPOC Felicitation Workshop/ NPTEL Awareness program at IIT, Bombay	12 January 2018	Dr. S. S. Mahurkar
3	NPTEL Awareness program at S.R.T.M. University, Nanded	19 July 2019	Dr. S. S. Mahurkar

Local Chapter Outcome

The achievements of the batches in our college are given below:

Achievements of the batches	Jan-Apr 2018	Jul-Oct 2018	Jan-Apr 2019	July-Oct 2019	Jan-Apr 2020	July-Dec 2020	Jan-Apr 2021
Total enrolments to the online free course	68	120	155	220	89	96	103
Number of students submitting exam forms	-	04	04	07	01	01	02
Number of students appeared for the exam	-	04	04	05	01	00	02
Number of students who successfully completed the course	-	03	03	05	01	00	01

Course Wise Outcome of July- October 2019 batch

Sr. no	Course-Id	Course Name	Present	Gold	Elite	Success	Participation
1	noc19-ma18	Calculus of One Real Variable	3	0	3	0	0
2	noc19-bt15	Genetic Engineering: Theory and Application	1	0	01	01	0
3	noc19-ma23	Introduction to Abstract and Linear Algebra	1	-	1	-	-

Course Wise Outcome of Jan- Apr 2020 batch(Covid-19 impacted)

Sr. no	Course-Id	Course Name	Present	Gold	Elite	Success	Participation
1	noc20-cs23	Computer Network and Internet Protocol	1	0	0	1	1