

“ ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार ”
शिक्षण महर्षी डॉ. बापूजी साळुंखे



Shri Swami Vivekanand Shikshan Sanstha, Kolhapur 's

**Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad -413 501 (M.S.)**

NAAC Reaccredited -B+grade
UGC Status College with potential for excellence

Completion Report
(20-05-2020 to 19-05-2023)



DBT-Star College Scheme

Completion Report
(20/05/2020 to 19/05/2023)

Department of Biotechnology



Proforma for submission of Completion Report supported under Star College Scheme

(Kindly note that the Completion report from Point 6 to 10, should not be more than 25 A4 size sheets, with fontsize 12pt and line spacing 1.5) Relevant annexure may be attached at appropriate places.

1. Name of the College : **Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad.**
2. Name of Coordinator, designation, : **Dr. Sandip B. Deshmukh,**
Address, Phone nos. **Assistant Professor, Department of Chemistry, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad, Tambri Vibhag, Barshi Road, Osmanabad Tal. & Dist: Osmanabad (MS) 413 501.**
3. (A) Assessment duration : **20/05/2020 to 19/05/2023** (B) Duration in years : **Three years**
(C) Extension period if any: **NO**
4. Details of Departments Supported

Sl No	Name of Department	Courses (B.Sc./M.Sc./PG Diploma, certificate etc) offered	Regular Faculty members	
			Total = 10	
			With Ph.D.	Without Ph.D.
1	Chemistry	UG + STC	3	1
3	Zoology	UG + STC	2	0
4	Physics	UG + STC	2	0
5	Botany	UG + STC	2	0

5. **Number & Date of Advisory committee meeting:** There is no Advisory meeting but in the year 2020-2021, 2021-2022 and 2022-2023, star college meetings were held with external experts and faculty members on 21/11/2020, 08/03/2021, 09/04/2021, 27/08/2021, 04/01/2022, 18/04/2022 and 27/08/2022.
6. **Qualitative improvements due to DBT support. Please highlight 5 salient points (within 1000 words).**
 - **Students research projects:** Before 2020-21, 17 numbers of student's projects were completed and after the DBT support the student's projects are increased to 112. We organize college level research festival every year since 2014-2015 and all research projects were

presented in the DBT-Science Congress 2021, 2022 and 2023. Social inclusive and applied projects were allotted to the students. its examples are,

Extraction of Limonene from Agricultural Waste by Mr. Govind Jangid (B.Sc. III 2020-2021) was represented in state level Avishkar research convention. This project work is socially inclusive and helpful to the farmers and food processing industries. Peels of citrus fruits are agricultural waste for farmers and food processing industries. These peels are the rich source of limonene. In this project, limonene was simply extracted by simple distillation process in water. Limonene has several applications; used in cosmetics, an excellent dietary source for cancer prevention, antioxidant and anti-cancer properties, used as a solvent substitute for xylenes, used as flavoring agent in food industries, and biodegradable degreaser in industrial cleansing. This method is useful for farmers and food processing industries to make another economical source from agricultural waste.

Making of Astronomical Telescope: This project was done by B.Sc. III year students (2021-22) viz. Miss. Jadhav Sakshi, Sontakke Harshda, Chatuphale Vedashri, Salunkhe Pragati, Lomate Prathamesh. In this project students has made 10 Inch diameter, 50 Inch Focal Length Reflecting Astronomical Telescope. This is the first largest telescope made by the students in the Marathwada region. The telescope is undoubtedly the most important investigative tool in astronomy. It provides a means of collecting and analyzing radiation from celestial objects, even those in the far reaches of the universe. The main objective of project is to popularise Astronomy among the students and society. Using this telescope we can observe all the planets of our solar system, Moon of our Earth and other planets, our galaxy (Milkyway), other galaxies, star clusters, Nebula etc. So many astronomical events like solar and lunar eclipse, meteor shower, movements of comets etc. can be observed using this telescope.

This project will create much interest in the students in astronomy and telescope making. Also research area in Astronomy and Astrophysics can be explored through this project and create path to enter in Indian research in Astronomy and Astrophysics like ISRO. This Project is one of the best projects done under DBT-Star College Scheme.

Design and synthesis of new 1, 2, 3 triazoles for antimicrobial activities by Miss. Deshmukh D. (B.Sc. Ist year 2021-22) In search of more potent and new antimicrobial agents here new 1, 2, 3 triazoles have been designed and synthesized from substituted salicyldehyde following multistep synthetic route. All the synthesized compounds are characterized by ¹H NMR, ¹³C NMR and HRMS analysis. Also these compounds are screened for their antimicrobial activities. Some of them displayed potent activity as compared with reference drug. In addition to these ADME properties of title products have also been analyzed.



Organic Transformation in aqueous media by Mr. Patil Jaydeep Dilip (B.Sc. III 2022-23) In this project students has formed new way of organic synthesis in aqueous media which is green pathway for organic synthesis. In this project they have used aqueous media for organic transformation instead of organic solvents/media. This project work is socially inclusive and helpful to protect the environment.

- **Guest lectures enhancement from 2 to 14 per year:** Before 2020-21, we organized 2 guest lectures per year for students through science association, due to DBT support it is increased up to 14 guest lectures per year. Through these guest lectures, the students are guided about the recent advances in science and technology. **Dr. Rakesh Joshi (Scientist, NCL Pune) Way toward Dietary Pesticides: Genome to Lead Approach:** Through this guest lecture students, teachers and farmers have been realized the importance of dietary pesticides and its advantages and they become more cautious about the safety and their responsibility while using the chemical pesticides/insecticides. **Dr. B. B. Idage (Senior Scientist, NCL Pune): Laboratory safety practices (For Students, Faculties and laboratory staff):** Through this guest lecture students, teachers and laboratory staff have realized the importance of laboratory safety practices and they become more cautious about the safety laboratory practices and their responsibility while doing/conducting practical's in laboratory.

DBT- Science Congress (2021- 2023): This activity was conducted in every year for the celebration of national science day. The students of B Sc I, II and III were presented their posters on research projects and various recent topics of Science and Technology. In three years total 158 students were presented their posters and 1160 students were participated in this event.

Hands on Training programs: Due to DBT support we have organized 25 hands on training programs every year on the various instrumental and non instrumental techniques such as Hortex Mixture, Bio-safety Cabinet, Laminar Air flow, Centrifuge Machine, RNA Extraction Machine, PCR Machine, Incubator, Heating block, HPLC, UV –Visible spectrophotometer, IR, Autoclave, Column Chromatography, Rota Evaporator, Viscometer, Colorimeter, Conductometer, pH Meter, Polarimeter, TLC, etc. Experiential education was imparted to the students through these hands-on training programs.

- **Study and Industrial Tours and outreach activities:** Before 2020-21, we organized only one tour. Now due to the support of DBT from year 2020-21 we had organized 11 tours per year. An example of an industrial tour is a visit to Natural Sugar and Allied Industries Ltd., Ranjani. 48 students and 6 teachers participated in the tour. On the tour, students visited Natural Sugar Industries, Natural Distilleries, Natural CBG Industries, Natural Steel Industries, and Natural



Dairy and Milk products Industries. Due to DBT-Star College Scheme through this activity, students got an opportunity for experiential learning.

- **Enhancement in Cut off percentage for admission:** Before 2020-21, the cut off for B Sc course was 48.61% which was increased to 53.58% after three years support. Due to the DBT star college scheme the flow of students towards basic and life science subjects is increased and the high-ranked students are also joining the basic and life sciences.

7. Any Novel aspect introduced or planning to introduce during the Scheme duration.

- Vivekanand Astronomy Club
- Vivekanand Soil Testing Facility Center
- Clay models, animations for some practicals in chemical, physical and life sciences.
- Shivar (Agro) Chemistry Programme
- Dr. Bapuji Salunkhe Curiosity Space
- Virtual lab
- Academic calendar for DBT Star College activities
- DBT-Science Congress
- Common Research Center (CRC)

8. Lessons learnt / difficulties faced/suggestions if any, in implementation of the programme and utilization of DBT grant. (Max 3 points within 300 words).

- In the year 2020-2021, we have faced some difficulties initially in the implementation of the programme due to the epidemic of COVID-19.
- In such type of conditions DBT should give some guidelines for smoothly conduction of the programme.
- We have facing difficulties in procuring new instruments due to the epidemic of COVID-19.
- Due to lockdown and a change in the schedule of the academic year, we got very little time to conduct offline activities like a hands-on training program, new introduced practicals, research projects, etc under the scheme
- In the year 2021-2022, we have faced some difficulties initially in the implementation of the programme due to the epidemic of COVID-19.
- Due to change in the schedule of the academic year, we got little time to conduct offline activities like a hands-on training program, new introduced practicals, research projects, etc under the scheme
- Due to this scheme, we got an opportunity to learn the PFMS.
- The students also got the information of this scheme and they are propagating the message to root level in the society.



- In the last year DBT introduced ZBSA account of ICICI bank and released payment through Digipay system which is very difficult to operate. We have faced many problems during the payments to beneficiaries. When we have added beneficiaries in the digipay it was successfully added but its validation task is very difficult, it take too much time. During such kind of situation support from ICICI bank personals was very poor. Kindly make changes in the payment system.

9. Key performance indicators

S.no	Indicator	Pre-support	During /After Support	Remarks
1	No. of students admitted	Total = 316	Total = 279	
		M= 91	F= 225	
		M= 116	F= 163	
		S C T C	S C T C	
		OB C	OB C	
		G S S OB G S S OB G S S OB G S S OB G		
		C T C	C T C	
		1 0 29 4 2 5 52 1 2 0 12 6 2 0 22 1		
		5 2 5 7 4 4 2 1		
2	Admission cut-off %	48.61%	53.58%	
3	No. of students passing out (%) Students Admitted/passing out (pass %)	285/301= 94.68%	235/274 = 85.76%	
4	Drop-out rates	16.18%	14.70%	
5	No. of students opting for MSc	25 (40.32%)	37 (44.12%)	
6	Average marks	60%	63.69%	
7	No. of hands-on experiments being conducted	2	78	
8	No. of new experiments	Nil	42	



	introduced			
9	Publications (scopus indexed) /patents, if any.	01	20	
10	Training received by (A) faculty (B) Students (Summer/ Winter Projects)	3	42	
11	Exhibitions/se minars/training courses conducted	2	25	
12	Books/journals subscribed from grants	Nil	10	
13	Outreach activities (Popular lectures)	3	25	
14	Colleges mentored to apply for DBT Star College grants	Not applicable	09	<ol style="list-style-type: none"> 1. Jawahar Mahavidyalaya, Andur 2. Shivprasad Sadanand Jaiswal College, Arjuni/Morgaon Dist. Gondia 3. Sant Dnyaneshwar Mahavidyalaya, Soegaon 4. Venkatesh Mahajan Mahavidyalaya, Osmanabad 5. S. G. R. G. Shinde Mahavidyalaya, Paranda



			Tal.Paranda Dist. Osmanabad 6. Shri Shivaji College, Omerga 7. New Arts, Commerce & Science College, Shevgaon Dist. Ahmednagar 8. Moreshwar Mahavidyalaya, Bhokardan Dist. Jalana 9. S. M. Dnyandeo Mohekar College, Kalamb Dist. Osmanabad	
15	Invited lectures	2	14 per year	

- Proofs (for Point 6-14 under S.No. 9 not more than 5 pages, 1.5 line spacing 12 times roman font size) to be provided duly attested by Principal and Coordinator.

10. Details of colleges / schools mentored during the Star Scheme Tenure (Name of college / school; class / standard; No. of students benefited; whether any mentored college applied under Star College Scheme, if yes what was the outcome.

Sr. No	Name of College/School	No. of students benefited	Applied under Star College Scheme	Outcome
1.	Bhagiratibai Late High School, Osmanabad	114	NA	<ul style="list-style-type: none"> • Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations, Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.
2.	Dr. Padmasinha Patil Primary School, Osmanabad	109	NA	<ul style="list-style-type: none"> • Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations, Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.



3.	Sunrise English School, Osmanabad	105	NA	<ul style="list-style-type: none"> • Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations, Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.
4.	Chhatrapati Shivaji High School, Osmanabad	55	NA	<ul style="list-style-type: none"> • Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations, Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.
5.	Shripatrao Bhosale High School, Osmanabad	45	NA	<ul style="list-style-type: none"> • Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations, Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.
6.	Dr. Bapuji Salunkhe Law College, Osmanabad	160	NA	<ul style="list-style-type: none"> • Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations, Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.
7.	Shrimati Sushiladevi Salunkhe College of Education, Osmanabad	110	NA	<ul style="list-style-type: none"> • Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations,



				Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.
8.	D.Ed. College, Osmanabad	73	NA	• Participated in the Sky Observation Event of Vivekanand Astronomy Club. • Gained Knowledge about the solar system, Planets, Constellations, Galaxies. • Created interest in astronomy among beneficiaries. • Observed the planets Jupiter, Saturn etc.
9.	Chhatrapati Shivaji Secondary & Higher Secondary School, (Science Branch), Osmanabad	19	NA	• Participated in the hands on training programme on Experimental Physics • A student's critical thinking skills increase in a hands-on learning environment. • Students got an opportunity to carried out basic experiment of physics in the training programme • Understood basic concepts of physics through experiments • Improved practical skills of students
9.	Shripatrao Bhosale Higher Secondary School, Osmanabad	19	NA	• Participated in the hands on training programme on Analytical Instruments • Improved practical skills of students • Will understood calibration / standardization of instruments • Improved analytical skills of students
10.	Jawahar Mahavidyalaya, Andur	53	Applied	Shortlisted for Presentation in the Task force meeting
11.	Shivprasad Sadanand Jaiswal College, Arjuni/Morgaon Dist. Gondia	27	Applied	Not Selected
12.	Sant Dnyaneshwar Mahavidyalaya, Soegaon	48	Applied	Shortlisted for Presentation in the Task force meeting



13.	Venkatesh Mahajan Mahavidyalaya, Osmanabad	62	Applied	Not Selected
14.	S. G. R. G. Shinde Mahavidyalaya, Paranda Tal.Paranda Dist. Osmanabad	52	Applied	Shortlisted for Presentation in the Task force meeting
15.	Shri Shivaji College, Omerga	69	Applied	Shortlisted for Presentation in the Task force meeting
16.	New Arts, Commerce & Science College, Shevgaon Dist. Ahmednagar	22	Applied	Shortlisted for Presentation in the Task force meeting
17.	Moreshwar Mahavidyalaya, Bhokardan Dist. Jalana	29	Applied	Not Selected
18.	S. M. Dnyandeo Mohekar College, Kalambe Dist. Osmanabad	36	Applied	Not Selected

11. Details of increase in the faculty generated resources viz extramural research grants from other funding agencies to strengthen the Star College Scheme efforts.

NIL

12. SOPs developed, lab manuals created and uploaded on website or submitted to DBT.


Sr. No	SOPs developed, lab manuals created	Link of website
1	SOPs of Chemistry	http://rpcollege.edu.in/data.php?pno=96
2	SOPs of Physics	http://rpcollege.edu.in/data.php?pno=96
3	SOPs of Botany	http://rpcollege.edu.in/data.php?pno=96
4	SOPs of Zoology	http://rpcollege.edu.in/data.php?pno=96



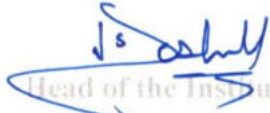
13. Self evaluation

Department	*Objective (as stated in proposal)	% achieved	Reasons for underachievement / If achieved, state in quantitative metrics
Chemistry	1. To conduct seminars, workshops, summer schools and training programmes for students.	100%	10
Physics	2. To arrange specialized training programme for faculty.	100%	10
Zoology	3. Up-gradation of laboratory and departmental libraries.	100%	10
Botany	4. To arrange study tours, excursion and on job training for students.	100%	10
	5. To strengthen networking with neighboring institutes and laboratories.	100%	10

* For quantitative analysis you may fix five objective (max) each having 2 marks and accordingly can calculate the matrix.


 Course Coordinator
 Co-ordinator,
 Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

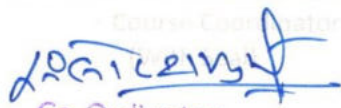



 Head of the Institution
 (W) Principal
 Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad

Hands on experiments being conducted:

Sr. No.	Title of the Program	Sr. No.	Title of the Program
2022-2023			
1.	Trinocular Microscope	13.	Spin Coating Machine
2.	TLC	14.	Identification of plants
3.	Preparation of Different media	15.	Hydroponics
4.	Digital Constant Deviation Spectrometer	16.	Blood Group Detection
5.	Telescope Operating	17.	Museum Study
6.	LCQR Meter	18.	Viscometer
7.	Experimental Physics	19.	Colorimeter
8.	Tilak Air Sampler	20.	Conductometer
9.	Bonsai Technique	21.	pH Meter
10.	Microtome	22.	Polarimeter
11.	UV-Visible Spectrophotometer	23.	Gas Sensing Unit
12.	Preparation of Botanical Pesticides	24.	Plant Collection and Preservation
2021-2022			
1.	Vortex Mixture	18.	UV –Visible spectrophotometer
2.	Bio-safety Cabinet	19.	IR
3.	Laminar Air flow	20.	Autoclave
4.	Centrifuge Machine	21.	Column Chromatography
5.	RNA Extraction Machine	22.	Rota Evaporator
6.	PCR Machine	23.	Viscometer
7.	Incubator	24.	Colorimeter
8.	Heating block	25.	Conductometer
9.	HPLC	26.	pH Meter
10.	GC	27.	Polarimeter
11.	Refractometer	28.	TLC
12.	Telescope Operating	29.	Trinocular Microscope
13.	LCQR Meter	30.	Spin Coating Machine
14.	Experimental Physics	31.	Identification of plants
15.	Tilak Air Sampler	32.	Hydroponics
16.	Bonsai Technique	33.	Blood Group Detection



Course Coordinator


Co-Ordinator,

Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

Head of the Institution

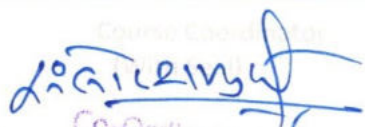

 Principal

Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad

17.	Microtome	34.	Museum Study
2020-2021			
1.	Thin Layer Chromatography	11.	Conductometer
2.	UV Visible Spectrophotometer	12.	Soil water analysis kit
3.	Experimental Physics	13.	Pneumatic Trainer
4.	CRO Operation	14.	Optical Sources and Instruments
5.	Autoclave	15.	Electrophoresis
6.	Incubator	16.	Flame Photometer
7.	Colorimeter	17.	Air Sampler
8.	pH-Meter	18.	Flame Photometer
9.	Paper Chromatography	19.	Laminar flow
10.	Food adulteration	20.	Milk adulteration

New Experiments Introduced (2020-2021 to 2022-2023):

Sr. No.	Title	Sr. No.	Title
1.	Analysis of Soil	22.	Specific reactions for Carbohydrate.
2.	Analysis of macro/micro elements	23.	Estimation of sugar by Ferricyanide method.
3.	Separation of amino acid mixture by Paper chromatography.	24.	Estimation of sugar by DNSA method
4.	Estimation of amino acid by Ninhydrin method	25.	Concept of pH, preparation of buffer of desired pH and molarity and measurement of pH.
5.	Estimation of protein by Biuret method.	26.	pH metry: Acid base titration curves. Measurement of pKa of amino acids.
6.	Estimation of protein by Bradford method.	27.	Ion exchange chromatography: Nature of ion exchanger, capacity of column, Separation of amino acids.
7.	Estimation of chlorine from water	28.	To calculate IVI from the given vegetation
8.	Detection of organic acids from diseased and healthy plants.	29.	To study microtomy technique
9.	To study leaf injury from few roadside plants.	30.	Isolation of Rhizobium from root nodules

Course Co-Ordinator


Co-Ordinator,
 Star College Scheme of DBT,
 Krishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

Head of the Institution


 Principal

Ramkrishna Paramhansa Mahavidyalaya, Osmanabad Page | 2

10.	Testing of efficiency of commercial available Biofertilizer	31.	Isolation of Azatobacter from soil
11.	Determination of temporary and permanent hardness of water	32.	Dry and steam sterilization
12.	Study of effect of polluted soil on seed germination	33.	To study the effect of water stress on seed germination
13.	Observing sky using Astronomical Telescope.	34.	Study of Mounting and Focusing telescope on astronomical objects.
14.	To Study Hall Effect and measurement of Hall voltage.	35.	To study Magnetic Properties of material.
15.	Preparation of thin film by using CILAR method.	36.	Preparation of thin film by using Spin Coating method.
16.	To study optical activity of different solutions.	37.	To Study G.M. Counter.
17.	To measure electrical properties of thin film.	38.	To study refractive index of liquids
18.	Collection of Coccidian oocyst by centrifugation method	39.	Collection and Identification of Eimeria species
19.	Analysis of faecal sample for study of different type of eggs in helminthes	40.	Study of Parasitic Diseases
20.	Milk testing	41.	Detection of Malarial parasites in blood smear.
21.	Sericulture technique	42.	Study of vermi culture technique- vermi composting

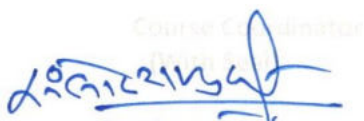
Publications (Scopus indexed):

1. Dr. S. B. Deshmukh- 02 <https://www.scopus.com/authid/detail.uri?authorId=57381709000>
2. Mr. M. G. Bhosale – 02 <https://www.scopus.com/authid/detail.uri?authorId=57410324800>
3. Dr. S. T. Dhumal – 14 <https://www.scopus.com/authid/detail.uri?authorId=57057545500>
4. Dr. K. H. Wananje – 01 <https://www.scopus.com/authid/detail.uri?authorId=57191074198>
5. Dr. S.C. Mahadik – 01 DOI: <http://dx.doi.org/10.24327/ijrsr.2021.1204.5896>

Training Received by faculty:

2022-2023

Name	Name of Training Program	Date
------	--------------------------	------

Course Coordinator


Co-Ordinator,
 Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

Head of the Institution


Principal
 Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad

Dr. S. B. Deshmukh	Impact Lecture Series on “IPR, R&D and Innovation”	20/07/2022 to 20/07/2022
Dr. S. J. Khochare	NPTEL 6 credit course on MCO-03: Research Methodology and Statistical Analysis	01/07/2022 to 31/10/2022
	NPTEL Course on Principles of Organic Synthesis (12 Week)	Jul-2022 to Oct-2022
Dr. H. A. Kamble	NPTEL Course on Cell Biology: Cellular Organization, Division and Process (8 - Week)	Jan. 2023 to March-2023
Dr. B. V. More	Two – Week Refresher Course in “ZOOLOGY”	10/04/2023 to 24/04/2023
Mrs. S. S. Jagtap	One Week Faculty Development Program on "Amazon Web Services"	22/08/2023 to 27/08/2023

2021-2022

Name	Name of Training Program	Date
Dr. S. B. Deshmukh	Two week Refresher Course in Natural Sciences	20/09/2021 to 04/10/2021
Dr. K. H. Wananje	Two week Refresher Course in Natural Sciences	20/09/2021 to 04/10/2021
Dr. S. D. Jadhav	Two week Refresher Course in Zoology	15/12/2021 to 29/12/2021
	FDP of Maharashtra Center for Entrepreneurship Development	10/08/2021 to 19/08/2021
Dr. S. C. Mahadik	National workshop on Probiotic Dairy Product Development Technology	09/08/2020 to 14/08/2020
Dr. H. A. Kamble	FDP on Essentials of Modern Efficient Teaching Practices in Higher Education	11/11/2021 to 17/11/2021
	NPTEL Course on Stress Management (Four Week Course)	Jul-Aug 2021
	NPTEL Course on Wildlife Ecology (Twelve Week Course)	Jul-Oct 2021

2020-2021

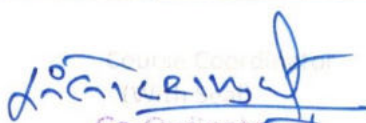
Name	Name of Training Program	Date
Dr. S. B. Deshmukh	FDP on Managing online classes and Co-creating MOOCs	20/04/2020 to 06/05/2020

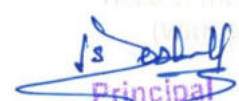
[Signature]
Co-Ordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)

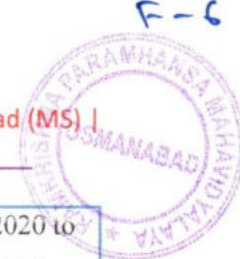
[Signature]
Principal
Ramkrishna Paramhansa
Mahavidyalaya, Osmanabad



	Workshop on MOOCs, e-Content Development and OERs	29/04/2020 to 04/05/2020
	FDP on Experiential learning methodology	11/05/2020 to 15/05/2020
	Short term course on E-Content Development	14/05/2020 to 20/05/2020
	FDP on Empowerment through Digital technology and E-learning	18/05/2020 to 30/05/2020
	FDP on Entrepreneurship, Incubation and Innovation	23/06/2020 to 29/06/2020
	FDP on Nanomaterials Characterization Techniques and Results Analysis Methodology: Ideas, Innovations & Initiatives	27/07/2020 to 31/07/2020
Dr. K. H. Wananje	FDP on ICT Tools for Effective Teaching Learning	27/04/2020 to 02/05/2020
	FDP on Effective Ways To Develop E-content For Teaching- Learning”	21/05/2020 to 30/05/2020
	FDP on Managing Online Classes and Co-Creating Moocs:2.0	18/05/2020 to 03/06/2020
Mr. M. G. Bhosale	eFDP on Building Research Innovative Culture among Pharmacy Teachers	18/05/2020 to 22/05/2020
	eFDP on Pharmaceutical product development: Challenges and Opportunities	15/06/2020 to 19/06/2020
	Hands on training on Mendeley Reference Manager for Academician & Researchers	15/05/2020
	FDP on Managing Online Classes and Co-Creating Moocs:2.0	18/05/2020 to 03/06/2020
	Online Short Term Course on E-Content Development	28/05/2020 to 03/06/2020
	FDP on Higher Education 2020: Requirements and Expectations	08/07/2020 to 12/07/2020
	FDP on Entrepreneurship, Incubation and Innovation	23/06/2020 to 29/06/2020
	FDP on Advanced Concepts For Developing Moocs	02/07/2020 to 17/07/2020


 Co-Ordinator,
 Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

Head of the Institution

 Principal
 Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad

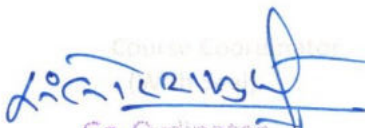



	FDP on institutional Bechmarking of Best Practices	08/06/2020 to 14/06/2020
Dr. V. J. Deshmukh	Short term course on Physics in Daily Life	25/04/2020 to 1/05/2020
Dr. S. D. Jadhav	Pedagogical Innovations And Research Methodology	16/02/2020
	FDP on Open Source Tools for Research	08/06/2020 to 14/06/2020
	FDP on Mathematics for Biological Sciences	15/06/2020 to 20/06/2020
	FDP on Entrepreneurship, Incubation and Innovation	23/06/2020 to 29/06/2020
	FDP on Learning Advanced E-tools for MOOCs Development & Research	1/09/2020 to 14/09/2020
	FDP on Research Methodology	1/10/2020 to 15/10/2020
Dr. S. C. Mahadik	Short term course on Green Audit	09/08/2020 to 14/08/2020
	FDP on Instrumental Analytical Techniques (SEM/FESEM)	30/03/2021
	FDP on Use of ICT in Teaching learning	01/06/2020 to 06/06/2020
Dr. B. V. More	FDP on Managing Online Classes & Co- creating MOOCS 4.0	11/03/2021 to 26/03/2021
	FDP on Managing online classes and Co-creating MOOCs	20/04/2020 to 06/05/2020

Exhibitions /Seminars /Training Courses conducted:

2022-2023

Name of the programme	Resource person	Participants
One Day Seminar on 'A Day with Fungus'	Dr. Prashant Dixit, Professor and Head, Department of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Sub-campus, Osmanabad	61


 Co-Ordinator,
 Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

Head of the Institution

 Principal
 Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad



<p>National Webinar on 'Green Chemistry'</p> <p>https://us06web.zoom.us/rec/share/utCg7HXUzNIRk8dvzHVXiFkGi4I6JVv1mXc5HBmSWWd0TDVm1vC6vjHxww2QUqY.ETM1p1Pmy6opGfMk</p> <p>Passcode: 6f5a%L+2</p>	<p>Dr. B. B. Idage, Ex-Scientist, Polymer Science and Chemical Engineering Division, CSIR-National Chemical Laboratory (NCL),Pune</p>	<p>212</p>
<p>Webinar on 'Mastering Organic Chemistry: A Challenge'</p> <p>https://www.youtube.com/live/N-Y-TSFt70?si=LVxMd254PIzbR5aU</p>	<p>Dr. Bapurao Shingate, Associate Professor, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad</p>	<p>134</p>
<p>One day International Seminar on 'Innovation and Technology for Gender Equality'</p> <p>http://surl.li/ffevu</p>	<p>Dr. F. Sumaiya Idroos, Senior Lecturer, Department of Zoology, University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka. Dr. Shaila Durgadsimi, Associate Professor, Department of Physics, Basaveshwar Engineering College, Bagalkote, Karnataka (India) Dr. Anita Goswami-Giri, Professor and Head, Department of Chemistry, B. N. Bandodkar College of Science, Thane, Maharashtra</p>	<p>185</p>
<p>DBT-Science Congress 2023</p>	<p>Dr. M. K. Patil, Head, Department of Chemistry, Dr. BAMU, Sub-campus, Osmanabad Dr. Sachin Chavan, SGRG Shinde College, Paranda, Dr. Shivaji Jetithor, Y. C. College, Tuljapur</p>	<p>188</p>
<p>Workshop on 'Sericulture'</p>	<p>Dr. Kishor Shinde, Department of Zoology, Walchand College of Arts and Science, Solapur</p>	<p>26</p>
<p>National webinar on 'Career Opportunities</p>	<p>Dr. Dinesh Nanaji Sawant,</p>	<p>127</p>

Course Coordinator

Co-Ordinator,

Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)

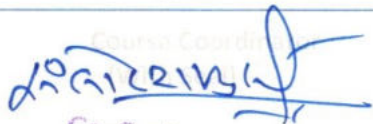
Head of the Institution

Principal

after UG'	Scientist, Organic Chemistry Division, CSIR National Chemical Laboratory (NCL), Pune	
Workshop on 'Woolen Model Preparation'	Prof. Anita Linge, Assistant Professor, Venkatesh Mahajan College, Osmanabad	28
Workshop on 'Installation and Plant Net Applications'	Mr. Pramod Umate, Department of Computer Science, R. P. College, Osmanabad	29
Medicinal Plants Exhibition - 2023	Dr. H. A. Kamble, Head, Department of Botany, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad	39
Bios Wallpaper Making Activity on Biodiversity and Nostoc Theme-2023	Dr. H. A. Kamble, Head, Department of Botany, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad	26

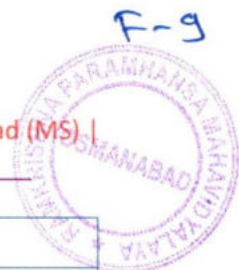
2021-2022

Name of the programme	Resource person	Participants
National webinar on 'Way towards Dietary Pesticides : Genome to Lead Approach' https://youtu.be/GiVG771hBzk	Dr. Rakesh Joshi, Scientist, Biochemical Sciences Division, CSIR-National Chemical Laboratory (NCL),Pune	227
National Webinar on 'Intellectual Property Rights (IPR) https://youtu.be/MIC1HOY0prg	Dr. B. B. Idage, Ex-Scientist, Polymer Science and Chemical Engineering Division, CSIR-National Chemical Laboratory (NCL),Pune	115
National workshop on 'Startups in Sciences'	Dr. D. K. Gaikwad, Director, Dr. BAMU, Sub-campus, Osmanabad	109
Webinar on 'Innovations, Incubation and Start-up Ecosystems in Higher Education' https://youtu.be/Vq6QgXsFV8Q	Prof. Vaibhav P. Kulkarni, Assistant Professor, Mechanical Engineering, Walchand Institute of Technology, Solapur	125
National webinar on 'Innovations in Nanotechnology'	Professor (Dr.) S.D. Delekar Department of Chemistry, Shivaji	198

Course Coordinator

 Co-Ordinator,
 Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

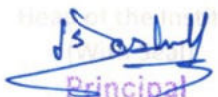
Head of the Institution

 Principal
 Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad



https://youtu.be/4uJgxxFHDLg	University, Kolhapur	
Workshop on 'Mentoring of DBT-Star College Scheme'	Dr. V. M. Gurame, Coordinator, DBT-Star College Scheme, Shri Shivaji College, Barshi	48
National workshop on 'Development in last 75 years in Science'	Dr. Sheshanath V. Bhosale Professor, School of Chemical Sciences, Goa University, Goa – 403 206, INDIA	121
National workshop on "Renewable Energy: Development of Novel Materials for Hydrogen Production and Environmental Remediation"	Dr. Bhaskar R. Sathe, Associate Professor, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431 004.	121
Workshop on PNG's Scientific Gold Awareness Programme	Mr. Rajesh Soni , Mr. Shashikumar Pankaj, Mr. Arun Korulkar PNG and Son's, Pune and Osmanabad	160
National Webinar on 'Modern Physics: Boon for Mankind' https://youtu.be/Lrzy2Epsvfw	Dr. Krishnaveni M., Assistant Professor, Manonmaniam Sundaranar University, Rajakkamangalam, KK Dt. Tamilnadu and Dr. Ketaki K. Patankar, Assistant Professor, Rajaram College, Kolhapur, Maharashtra	243
One day webinar on 'Biodeiversity and its Conservation' https://us02web.zoom.us/j/89034442171?pwd=Z0ZpYXUzOHhQSVFHYl4a3ArOWdDQT09	Dr. Vishwanath Hegde, Scientist E, ZSI, Kozhikode, Kerala.	78
One day workshop on 'Wild Silk Farming' https://us02web.zoom.us/j/89034442171?pwd=Z0ZpYXUzOHhQSVFHYl4a3ArOWdDQT09	Dr. Anna Gophane, Assistant Professor, Dept. of Zoology, Shivaji University, Kolhapur	78


Co-Ordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)


Principal
Ramkrishna Paramhansa Mahavidyalaya, Osmanabad



2020-2021


Name of the programme	Resource person	Participants
National workshop on 'Laboratory Safety' (For Students, Faculties and Lab .Staff) https://www.youtube.com/watch?v=gSMKNvn84a8&t=750s	Dr. B. B. Idage, Ex-Scientist, CSIR-National Chemical Laboratory (NCL),Pune	189
National Webinar on Intellectual Property Rights and Patent Filing https://transcripts.gotomeeting.com/#/s/0bd0fbce99f2103572b521ecfd4c73abb89a6f3e06b0b77d08de5521041e4cd5	Principal Dr.Betkar M. M., Shri Kumar swami College, Ausa,	156
Webinar on Virtual Labs in association with V-Lab, IIT, Bombay and MIT, Aurangabad	Dr. Abhilasha Mishra, Dr. Prashant Gupta, Dr. B. Toksha, Mr. T. Kulkarni	100
Webinar on Biodiversity & its conservation https://www.youtube.com/watch?v=T0_vpRysGzo	Dr. R. A. Lavate, Rajee Ramrao Mahavidyalaya, Jath Dist. Sangli	110
DBT-Science Congress – 2021	Dr. N. D. Padwal and Mrs. U. K. Wadne	156
FDP on Instrumental analytical Techniques (SEM/FESEM) https://www.youtube.com/watch?v=pRawCTvC1Be	Dr. Jalindar Ambekar, C-MET, Pune	179
FDP on Establishing Innovations, Incubation and Start-up Ecosystem in HEI's	Prof. Vaibhav P. Kulkarni, NK Orchid College, Solapur	40
Seminar on Microbiology for Common People	Dr. Arvind Deshmukh, President, Microbiologist Soc. of India	28
Seminar on Role of Fungi in Farming	Dr. U. N. Bhale, ASC College, Naldurg	50
Online COVID-19 Pandemic Scientific Awareness Programme	Dr. S.B. Deshmukh and Dr. V. J. Deshmukh	463

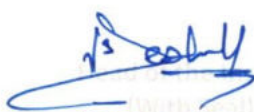
Co-Ordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)

Principal
Ramkrishna Paramhansa
Mahavidyalaya, Osmanabad

Outreach activities:**2022-2023**

Name of the programme	Resource person	Participants
Educational visit to Solapur Science Centre, Solapur	Dr. K. H. Wananje	30
Study Tour to Hatlai forest area Osmanabad and Hatlai water reserve Osmanabad.	Dr. H. A. Kamble	38
Sky Observation: Event for students of Bhagiratibai Late High School, Osmanabad	Dr. K. H. Wananje	114
Sky Observation: Event for students of Dr. Padmasinha Patil Primary School, Osmanabad	Dr. K. H. Wananje	109
Sky Observation: Event for students of Sunrise English School, Osmanabad	Dr. K. H. Wananje	105
Sky Observation: Event for students of Chhatrapati Shivaji High School, Osmanabad	Dr. K. H. Wananje	55
Sky Observation: Event for students of Shripatrao Bhosale High School, Osmanabad	Dr. K. H. Wananje	45
Sky Observation: Event for students of Dr. Bapuji Salunkhe Law College, Osmanabad	Dr. K. H. Wananje	160
Sky Observation: Event for students of Shrimati Sushiladevi Salunkhe College of Education, Osmanabad	Dr. K. H. Wananje	110
Sky Observation: Event for students of D.Ed. College, Osmanabad	Dr. K. H. Wananje	73
Hands on Training Programme on Experimental Physics for students of Chhatrapati Shivaji Secondary & Higher Secondary School. (Science Branch), Osmanabad	Dr. Ankush Bhosale	19
Hands on Training Programme on Analytical Instruments for students of Shripatrao Higher Secondary School, Osmanabad	Dr. V. J. Deshmukh	19


 Co-Ordinator,
 Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)


 Principal
 Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad



2021-2022

Name of the programme	Resource person	Participants
Facebook Live on DNA Vaccine : A New Vaccine on Corona Virus https://fb.watch/duWjlgJ-11/	Miss. Gauri F. Nimbalkar(B.Sc. II) R. P.College, Osmanabad	366
Facebook Live on Why we should wear the mask ! https://fb.watch/duWns5oIz-/	Miss. P. N. Somwanshi (B.Sc. II)R. P.College, Osmanabad	219
Facebook live on Omicron: The New Strain of Corona Virus https://fb.watch/duWpBRSDCx/	Dr. R. R. Shinde (B.Sc.II) R. P. College, Osmanabad	388
Industrial Visit to Ranjani Natural Sugar Industries, Ranjani	Mr. B. B. Thomabre	48
Industrial Visit to Natural Distilleries, Ranjani	Mr. Hajgude Vinit	48
Industrial Visit to Natural CBG Plant, Ranjani	Mr. M. J. Gaikwad	48
Industrial visit to Natural Steel Plant, Ranjani	Mr. Bhaskar Pawar	48
Industrial visit to Natural Dairy and Milk Products, Ranjani	Mr. V.B. Thobare	48
Study Tour to Dnyanprabodhini, Harali	Mr. Sachin Suryawanshi	46
Study Tour to COVID-19 Laboratory, Dr. BAMU, Sub-campus, Osmanabad	Mr. Ramraje Rakh	65
Study visit to Department of Microbiology, Biotechnology, Chemistry, Dr. BAMU, Sub-campus, Osmanabad	Dr. P. P. Dixit, Dr. M. K. Patil, Dr. J.A. Kulkarni	65
Sky Observation: Event-I	Dr. K. H. Wananje Dept. of Phy	B.Sc.I,II,III
Sky Observation: Event-II	Dr. K. H. Wananje Dept. of Phy	B.A.I,II,III
Sky Observation: Event-III	Dr. K. H. Wananje Dept. of Phy	B.Com.I,II,III
Sky Observation: Event-IV	Dr. K. H. Wananje Dept. of Phy	All Staff

2020-2021

Name of the programme	Resource person	Participants
Facebook Live on Vaccine : COVID-19 https://fb.watch/5KHi72hbbn/	Miss. S. S. Kadam (B.Sc. III) R. P.College, Osmanabad	3934
Facebook Live on New Strain of Corona Virus (COVID-19) https://fb.watch/5KhaRmmZnQ/	Miss. S. D. Saraf (B.Sc. III) R. P.College, Osmanabad	1345
Facebook live on Sanitization: Advantages and	Dr. Sandip B. Deshmukh	4200

Course Coordinator
(With Seal)


Co-Ordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)

Principal
Ramkrishna Paramhansa Mahavidyalaya, Osmanabad

Disadvantages https://fb.watch/5Khqxr5L98/	R. P. College, Osmanabad	
Online guest lecture on Sanitization: Advantages and Disadvantages at L. P. P. Arts and Science College, Risod Dist. Washim https://www.youtube.com/watch?v=88UUTWtAxGs&t=2s	Dr. Sandip B. Deshmukh R. P. College, Osmanabad	89
Study visit to Department of Chemistry, Bio-tech., Microbiology, Physics, Dr. B. A. M. Univ., Sub-campus, Osmanabad	Dr. M. K. Patil, Dr. J. A. Kulkarni, Dr. P. Dixit, Dr. S. Wadgane, Dr. R. B. Khobragade	90
Academic visit to Shri. Shivaji Mahavidyalaya, Barshi	Principal Dr. P. R. Thorat Dr. V. M. Gurame Coordinator	10
Industrial visit to Dr. B. A. Co-Operative Sugar Industries Ltd., Keshegaon	Mr. A. J. Gore – Chairman Mr. S. L. Gund - Engineer	26
Study visit to College of Agricultural, Osmanabad	Dr. Mahajan sir, Research students	25
Shivar (Farm) Chemistry Programme at Uple (M) Tq. Dist. Osmanabad	Mr. Vikram Kakde - Farmer	56
Industrial visit to Prakash Agro Industry Ltd., MIDC, Osmanabad.	Mr. Dilip Khandare	48
Study visit to College of Agricultural, Osmanabad	Principal Dr. Ahire, Prof. K. R. Chavan, Research Students	58

Colleges mentored to apply for DBT Star College grants:

1. Jawahar Mahavidyalaya, Andur
2. Shivprasad Sadanand Jaiswal College, Arjuni/Morgaon Dist. Gondia
3. Sant Dnyaneshwar Mahavidyalaya, Soegaon
4. Venkatesh Mahajan Mahavidyalaya, Osmanabad
5. S. G. R. G. Shinde Mahavidyalaya, Paranda Tal. Paranda Dist. Osmanabad
6. Shri Shivaji College, Omerga
7. New Arts, Commerce & Science College, Shevgaon Dist. Ahmednagar
8. Moreshwar Mahavidyalaya, Bhokardan Dist. Jalana
9. S. M. Dnyandeo Mohekar College, Kalamb Dist. Osmanabad


Co-Ordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)


Head of the Institution,
Principal,
Ramkrishna Paramhansa
Mahavidyalaya, Osmanabad

Invited Lectures:

2022-2023

Resource person	Topic
Prof. Anita Linge, Assistant Professor, Venkatesh Mahajan College, Osmanabad	Cell organelles and Micro-Organisms
Dr. A. R. Bidkar, Head and Associate Professor, Department of Zoology, Yashwantrao Chavan Mahavidyalaya, Tuljapur	Applied Zoology
Dr. Somnath Waghmare, Assistant Professor, Department of Zoology, Nowrosjee Wadia College, Pune	Bioinformatics – Biological Databases
Dr. S.C. Mahadik, Former Head, Department of Botany, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad	Plant Pathology

2021-2022

Resource person	Topic
Dr. Sunita Jadhav, Associate Professor, Hutatma Rajguru mahavidyalaya, Rajgururnagar, Pune https://us04web.zoom.us/j/72467386682?pwd=GEA5Nltjh4IPweZBulo1PUYa-A3jhn.1	Nanotechnology- Interdisciplinary Science
Dr. Y. M. Bhosale, Assistant Professor, Dept.of Zoology, Nanasaheb Yashvantrao Narayanrao Chavan ASC, College, Chalisgaon https://us04web.zoom.us/j/79618284889?pwd=cfBVu0Gnxn8-10L1e1RU8Nyx0mH2sV.1	Apiculture (Beekeeping)
Lt. Dr. Ulka Aade, Assistant Professor, Department of Zoology, Govt. of Maharashtra, Ismail Yusuf College, Jogeshwari East, Mumbai https://us04web.zoom.us/j/75897855516?pwd=D6HJEFjV1u73FEIJC7OI9pJNa2yxS.1	Parasitic Diseases – Awareness in Society
Dr. Rajendra Lavate, HoD, Department of Botany, Raje Ramrao Mahavidyalaya, Jath	Biodiversity and Its Conservation
Prof. Anita Linge, HoD, Department of Botany, Venkatesh Mahajan Mahavidyalaya, Osmanabad	DNA Finger Printing
Dr. Ravi Patil, HoD, Department of Botany, Deogiri Mahavidyalaya, Aurangabad	Biodiversity in Present Scenario
Prof. Anil T. Kyadampure, Assistant Professor, Department of Physics, Sanjivani Mahavidhyalaya, Chapoli.	'Electrodynamics'
Prof. Dr.Ravindra V. Kathare, Incharge Principal and Head of Department of Physics, Karmaveer Mamasahab Jagdage	Bototechnology for better Laser and Its Applications

[Signature]
Co-Ordinator,

Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)

[Signature]
Principal
Ramkrishna Paramhansa Mahavidyalaya, Osmanabad



Mahavidyalaya, Washi.

2020-2021

Resource person	Topic
Dr. Sagar D. Delekar, (Raman Fellow) Professor, Department of Chemistry, Shivaji University, Kolhapur	Nanoscience and Technology
Dr. Bhaskar R. Sathe, (Fullbright Fellow, YA-MASc) Assistant Professor, Dept. of Chemistry, Dr. B. A. M. University, Aurangabad	Research in Chemistry
Dr. Meghsham K. Patil, Assistant Professor, Department of Chemistry, Dr. B.A.M. Univ. Sub-Campus, Osmanabad.	An overview on Spectroscopic Techniques
Dr. V. M. Gurame, Assistant Professor, Department of Chemistry, Shri Shivaji Mahavidyalaya, Barshi	Carrier in Chemistry
Dr. Atul Humbe, Assistant Professor, Dept. of Zoology, S.G.R.G. Shinde College, Paranda	Parasites and Diseases
Dr. H. K. Bhagwan, Associate Professor, Dept. of Zoology, SMDM College, Kalambe	Research in Parasites
Dr. S. D. Waghmare, Assistant Professor, Dept. of Physics, Shri Shivaji College, Barshi	Gravitation
Dr. J. A. Kulkarni, Assistant Professor, Department of Biotechnology, Dr. B. A. M. Unive. Sub-campus, Osmanabad	Botechnology for better tomorrow
Dr. R. B. Khobragade, Associate Professor, Department of Microbiology, Dr. B. A. M. Unive. Sub-campus, Osmanabad	Role of Microorganisms in Daily life

Photo Gallery - Activities DBT Star College Scheme (2021 - 2022):



[Handwritten Signature]
Course Coordinator

Coordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)

[Handwritten Signature]
Principal

Ramkrishna Paramhansa
Mahavidyalaya, Osmanabad



'Innovations in Nanotechnology'



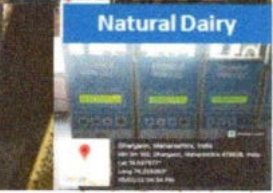
Visit of Dr. P. P. Wadgaonkar – Advisory Committee Member



Natural Sugar



DBT-Science Congress 2022



Natural CBG

Natural Steel

Natural Dairy



Centrifuge Machine

Laminar Air Flow

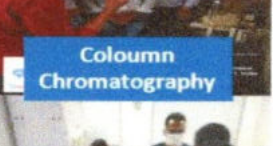
Rotary Evaporator



PCR Machine

Hortex Mixture

Column Chromatography



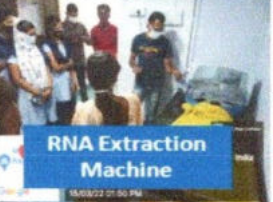
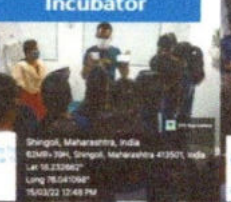
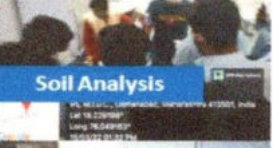
Heating Block

Blood Group Detection

Soil Analysis

Incubator

RNA Extraction Machine



Trinocular Microscope

Handwritten signature and text: Co-Ordinator, Star College Scheme of DBT, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad-413 501(MS)

Handwritten signature and text: Principal, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad

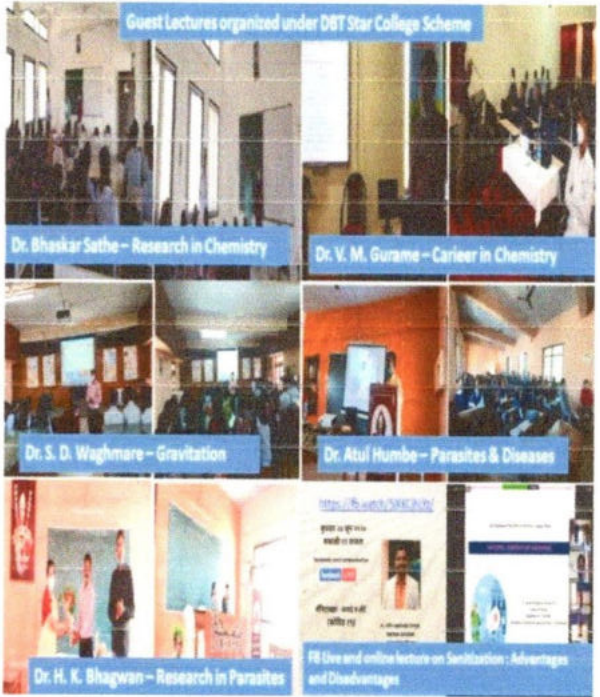
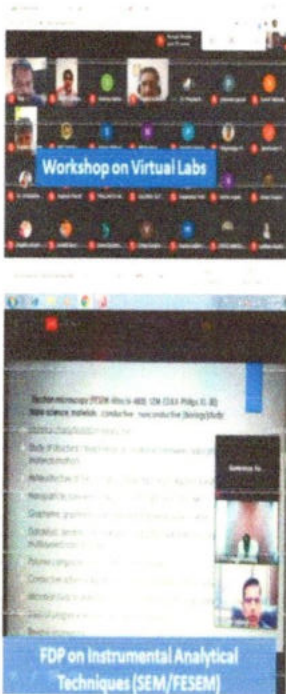
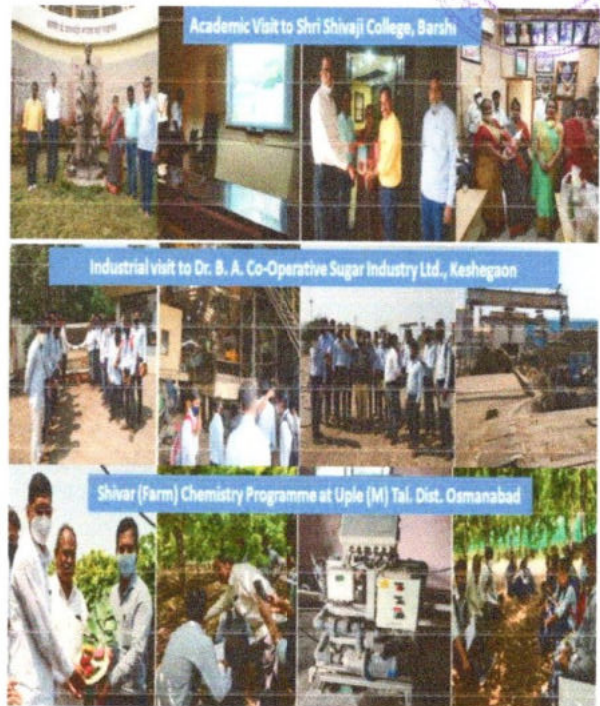
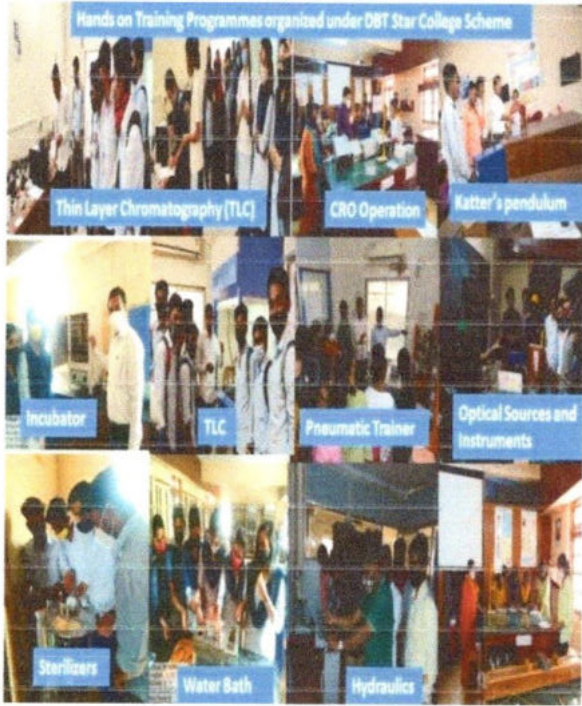


Photo Gallery - Activities DBT Star College Scheme (2020 - 2021):



Handwritten signature of Co-Ordinator, Star College Scheme of DBT, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad -413 501(MS)

Handwritten signature of Principal, Ramkrishna Paramhansa Mahavidyalaya, Osmanabad



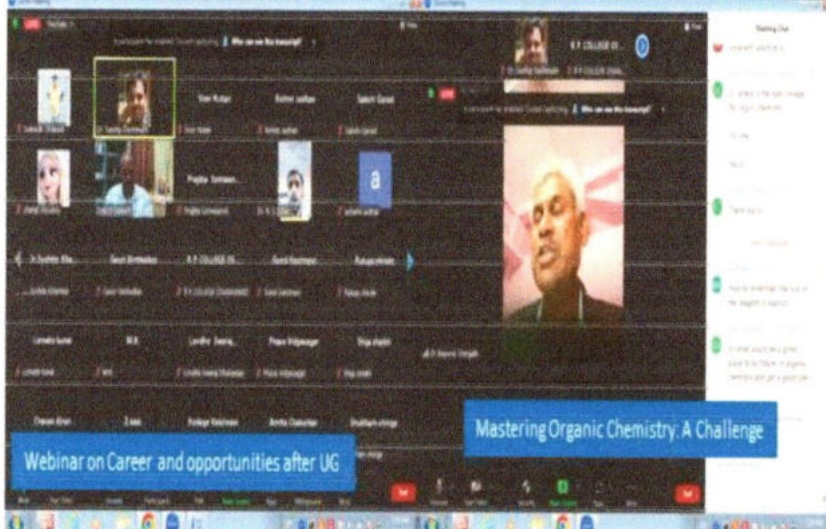
[Signature]
 Co-Ordinator,
 Star College Scheme of DBT,
 Ramkrishna Paramhansa Mahavidyalaya,
 Osmanabad-413 501(MS)

[Signature]
 Principal
 Ramkrishna Paramhansa
 Mahavidyalaya, Osmanabad

Photo Gallery - Activities DBT Star College Scheme (2022 - 2023):

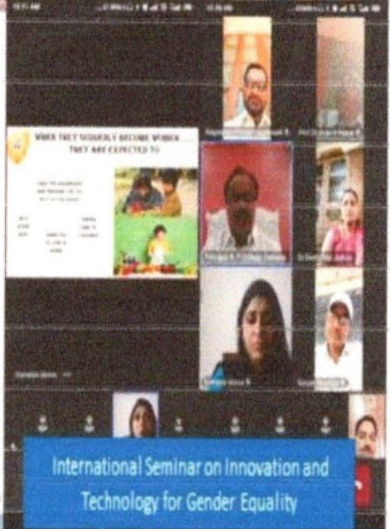


Sky Observation Events under Vivekanand Astronomy Club



Webinar on Career and opportunities after UG

Mastering Organic Chemistry: A Challenge



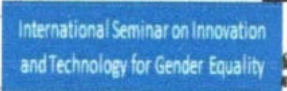
International Seminar on Innovation and Technology for Gender Equality



Career opportunities after UG



Science Congress-2023



International Seminar on Innovation and Technology for Gender Equality



डिजिटल टेक्नॉलॉजीमुळे महिलांचा विकास व लैंगिक समानतेचा त्थाम

[Handwritten signature]

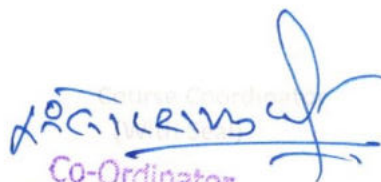
Co-Ordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)


[Handwritten signature]

Principal
Ramkrishna Paramhansa
Mahavidyalaya, Osmanabad



Acknowledgement: We are thankful to DBT for giving financial support under the DBT -Star College Scheme.


Co-Ordinator,
Star College Scheme of DBT,
Ramkrishna Paramhansa Mahavidyalaya,
Osmanabad-413 501(MS)


Principal
Ramkrishna Paramhansa
Mahavidyalaya, Osmanabad