

One day Workshop on NEP for M.Sc- I Biotechnology



D.S.T.S. MANDAL'S

V.G. SHIVDARE COLLEGE OF ARTS, COMMERCE AND SCIENCE, SOLAPUR

NAAC ACCREDITED : 'A' GRADE - CGPA: 3.21 (2ND CYCLE)

KANNADA LINGUISTIC MINORITY EDUCATIONAL INSTITUTION

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AFFILIATED TO

**PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**

A ONE DAY UNIVERSITY LEVEL WORKSHOP

ON

**“NEW REVISED SYLLABUS OF
MSC.1 BIOTECHNOLOGY – W.E.F. JUNE 2023
AS PER NEP 2020”**

Saturday: 07/10/2023

ABOUT THE INSTITUTE

Foundation of Dakshin Solapur Taluka Shikshan (D.S.T.S.) Mandal was established on 17th Sep, 1976 by Late Shri. V. G. Shivdare (Anna): a visionary and revolutionary leader in Cooperative sector of Maharashtra and pioneer of education in Dakshin Solapur Taluka, Solapur. His prime focus was to nurture and promote value-based education in the society. The trust has been catering to the educational and cultural needs of the society for the last four decades with the motto “Tamasoma Jyotirgamaya”. Our students, educated through the five-point formula of Knowledge, Character, Love, Management and Service, are well-known in society as responsible citizens of caliber, culture and character with an awareness of their social accountability.

The Trust keeps pace with the rapidly changing scenario of the educational field, both at national and international levels which is clear through its history since establishment. In 1980, College of Pharmacy was established for D. Pharmacy as “Grant-in-Aid” under D.S.T.S. Mandal. In 1993, D.S.T.S. Mandal’s College of Pharmacy was established for B. Pharm program and later M. Pharm and Ph.D. programs were added. In 2005, V. G. Shivdare College of Arts, Commerce and Science was started with programmes of Bachelors degree courses in Arts (B.A.), Commerce (B.Com.), and Science- Biotechnology (B.Sc. Biotechnology) added with a Masters degree course in Science –Biotechnology (M.Sc. Biotechnology) in 2009 under Affiliation of Punyashlok Ahilyadevi Holkar Solapur University. The continued academic contribution of the institute resulted in addition of units for the education at Primary, Secondary School level which was started as Unique English Medium School in 2012. In 2016 the V. G. Shivdare Junior Science College was also started. Presently D.S.T.S. Mandal is committed for providing quality education for all, from K.G. to P.G. under a single roof.

ABOUT COLLEGE

V. G. Shivdare College of Arts, Commerce and Science is an educational institution affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur. It was established in 2005 and was the first non-grant college from Maharashtra having NAAC Accreditation (first cycle) with B Grade in 2012. In keeping with goals and objective of the Trust, the college runs various programmes. Keeping in view the changing times and demanding technology, our college offers Under Graduate Programmes in Marathi, History, Commerce and Biotechnology along with post-graduation Programme in Biotechnology. Our college is the first to start a Biotechnology course in Solapur District.

The college boosts number of bright and needy students specially by giving a helping hand to socially and economically weaker sections of the society. The College has also maintained the Gender Equity through its action. The teachers use learner-centered teaching methodologies for effective learning outcome. Central Library and Internet facility is made available to the students and faculties. The College is well equipped with the necessary infrastructural facilities including ventilated class rooms, well equipped laboratories, computer room with internet,

well stacked library, reading rooms, Girls common room, staff room, sufficiently furnished office, gymkhana, sports ground and the auditorium etc. which are maintained up to the mark to provide clean, hygienic and healthy environment for education. The college has always shined and remained in the news for its excellent performances in various co-curricular activities by participating in and organizing several sports, cultural, N.S.S., and research activities at district, state, zonal, national and international level. Students of the college have a consistently successful record of quality performance and excellence in these various activities. The efforts of well qualified faculty members of college have resulted in establishment of MOUs and collaborations with various recognized institutes for the benefit of students in academics, research and training. Information and Communication Technology is utilized for the academic and administrative transaction. Clean and Green Campus, Energy Conservation, Safety, Security, Ecofriendly practices are the important concerns the College has always focused on.

VISION:

Imparting quality education to weaker classes of the society to face global challenges and to achieve, attain and accomplish the vision of our founder president to expand the Academic vista of the Institute.

MISSION:

1. To provide educational avenues to rural, semi-urban and economically backward classes to gain academic excellence.
2. To inculcate value based education and promote the students to resolve the problems through research in sciences.
3. To promote scientific and social approach for betterment of society.
4. Inspiring the students to bring about economic and cultural transformation, making them socially conscious and responsible.



[Link to the College Website \(www.vgscollge.com\)](http://www.vgscollge.com)

SCOPE AND AREA TO BE COVERED

NEP structure, scope, opportunities and challenges with respect to Higher Education.

From the academic year 2023-24, the new revised syllabus for PG courses as per the NEP guidelines is being implemented by PAH Solapur University, Solapur. This revision of the syllabus has considered different aspects of opportunities and requirements with modern time in the respective subjects. A workshop to discuss these different aspects will help in creating awareness among the students, faculty and concerned staff.

i) Keynote Address by Prof. Dr. H.N. Jagtap:

“Objectives of NEP for Higher Education”



An eminent educationist, reputed scholar, renowned author, academic titan, and versatile personality, Adorning various important positions in the University like Dean, Member of Management Council, Member of Academic Council, Member on Selection Committees for Principals and Lecturers, Chairman and Member of innumerable Committees. He made his earnest endeavour for significant and valuable contribution to the field of Education. Visiting several Educational Institutions all over India, spreading his research acumen all over Maharashtra, guiding successfully numerous Ph.D. and M.Phil. students and acting as referee for large number of Ph.Ds.

ii) Invited Talk by Dr. Swaroopa Hatolkar_:

“Prospects and Challenges for the Applied Science Education”



An accomplished medical microbiologist/Quality Manager and PhD scholar from Dr. D. Y. Patil Medical College, Pune.
Chief Operating Officer,
Mr.Biologist, LLP., Pune

**iii) An expert consultation and discussion -
by the members of Board of Studies (Biotechnology) – P.A.H. Solapur University, Solapur.**

- 1) **Biochemistry and Enzymology** : **Dr. R.S. Dhanve** ,
Assistant Professor,
V.G. Shivdare College of Arts, Commerce and Science, Solapur,
Chairman – BOS Biotechnology PAHSUS
- 2) **Cell and Molecular Biology** : **Mrs. Gopika Manjunath**
Head, Dept. of Biotechnology
V.G. Shivdare College of Arts, Commerce and Science, Solapur,
Member – BOS Biotechnology PAHSUS
- 3) **Research methodology** : **Dr. A.B. Valsange**
IQAC Coordinator,
V.G. Shivdare College of Arts, Commerce and Science, Solapur,
Member – BOS Biotechnology PAHSUS
- 4) **Microbiology and Microbial Techniques** : **Dr. K.D. Jagtap**
Assistant Professor,
Lokmangal Science & Entrepreneurship College, Wadala, Solapur
Member – BOS Biotechnology PAHSUS
- 5) **Immunology and Immunotechniques** : **Dr. V.S. Adki**
Assistant Professor,
V.G. Shivdare College of Arts, Commerce and Science, Solapur,
Member – BOS Biotechnology PAHSUS

About the New Syllabus Revised as per NEP 2020

In the academic curriculum, the M.Sc. 1 Biotechnology will be having two semesters.

Semester I includes Four theory papers (2 Compulsory, 1 Elective and 1 Research Methodology) and 3 practical courses (3 Compulsory, 1 Elective and 1 Research Methodology)

Semester II includes Three theory papers (2 Compulsory, 1 Elective), Three Practical courses (2 Compulsory, 1 Elective) and a compulsory **On job Training/ Field Project/Internship/Apprenticeship**.

Each theory paper comprising of **4 UNITS** which are distributed in total **60** lecture hours having weightage of 4 credits.

Practical examinations (UA/CA) are to be conducted at the end of each semester.

A completed report of On job Training/ Field Project/Internship/Apprenticeship should be submitted at the end of 2nd Semester.

As per the credit system, the assessment of Theory paper of 100 marks weightage will be as: 80 marks theory assessment by University examination (UA) and 20 marks internal assessment by the college (CA). The internal assessment are conducted in the formats of home assignments and written tests for each theory paper respectively with equal weightage of marks.

As per the credit system, the assessment of practical paper of 50 marks weightage will be as: 40 marks practical assessment by University examination (UA) and 10 marks internal assessment by the college (CA)



[Link to download the Syllabus](#)

A ONE DAY WORKSHOP ON
NEW REVISED SYLLABUS OF M.Sc. I BIOTECHNOLOGY
Saturday 07/10/2023

PROGRAM SCHEDULE

Time	Topic
8.30 AM to 10.30 AM	Registration and Breakfast
10.45 AM to 11.45 AM	Inauguration
11.45 AM to 12.30 PM	Keynote Address: Dr. H.N. Jagtap “Objectives of NEP for Higher Education”
12.30 PM to 1.30 PM	SESSION I 1) Discussion on the content and newly introduced changes in the New Revised Syllabus – M.Sc. I Biotechnology Semester I Speakers: i) Dr. R. S. Dhanve ii) Mrs. Gopika Manjunath iii) Dr. A.B. Valsange
	2) Discussion on the content and newly introduced changes in the New Revised Syllabus – M.Sc. I Biotechnology Semester II Speakers: i) Dr. K.D. Jagtap ii) Dr. V.S. Adki
1.30 PM to 2.30 PM	Lunch Break
2.30 PM to 3.30 PM	Session II Invited talk: Dr. Swarupa Hatolkar “Prospects and Challenges for the Applied Science Education”
3.30 PM to 4.30 PM	Valedictory function
4.30 PM to 5.00 PM	Tea and Group Photo

Registration:

For PG Students : **INR 100/-**

Mode of Payment: **Cash or GooglePay**

Google Pay number: **8830166173 (Ms. J.S. Athani)**

*(Send a screenshot of the payment receipt to the same Whatsapp number for the confirmation of registration).



ORGANISING COMMITTEE

Program Coordinator	:	<i>Dr. D. S. Sutrave</i>
Convener	:	<i>Dr. R. S. Dhanve</i>
Co-convener	:	<i>Mrs. Gopika Manjunath</i>
Committee Coordinator	:	<i>Dr. A. B. Valsange</i>
Registration & Certification	:	<i>Ms. R.S. Pawar</i> <i>Ms. J.A. Athani</i>
Stage & Felicitation	:	<i>Ms. A.R. Shinde</i> <i>Ms. Haripriya Nair</i>
Technical Coordination	:	<i>Dr. V.S. Adki</i> <i>Mr. L.R. Gote</i>
Refreshment	:	<i>Mrs. S.M.Phatak</i> <i>Ms. S. R. Patil</i>
Reports	:	<i>Ms. Madhura Kakkalameli</i> <i>Ms. Shweta Shikhare</i>
News & Publicity	:	<i>Dr. R. S. Dhanve</i> <i>Ms. S.G. Joshi</i> <i>Ms. S. S. Shikhare</i> <i>Dr. Mrs. S. Shivpuje</i>

Contact:

Dr. R.S. Dhanve (9423330499)

Ms. J.S. Athani (8830166173)



• INVITATION •

D.S.T.S. Mandal's

**V.G.SHIVDARE COLLEGE OF ARTS,
COMMERCE AND SCIENCE, SOLAPUR**

NAAC RE-ACCREDITED WITH 'A' GRADE



Department of Biotechnology

In association with

PAH Solapur University, Solapur

organizes

One Day University Level Workshop

On

**"NEW REVISED SYLLABUS OF M.Sc.-I
BIOTECHNOLOGY -W.E.F JUNE 2023 "**

AS PER NEP 2020

INAUGURAL FUNCTION

On 7TH Oct,2023 at 10:30 AM

Invited Speaker

Dr. Swarupa Hatolkar

Chief Operating Officer
Mr. Biologist, LLP Pune

Keynote Address

Prof. Dr. H. N. Jagtap

Senior educationalist, Solapur

Guest of Honour

Shri. B. V. Shete

Trustee
D.S.T.S. Mandal's, Solapur

Chief Guest

Dr. L. B. Dama

Dean- Faculty of Science, PAH
Solapur University, Solapur

Chairperson

Dr. D. S. Sutrave

Principal
V. G. Shivdare
College, Solapur

Convenor

Dr. R. S Dhanve

Asst. Prof.
Dept. of Biotechnology

H.O.D

Mrs. Gopika Manjunath

Asst. Prof.
Dept. of Biotechnology

IQAC Coordinator

Dr. A. B. Valsange

Asst. Prof.
Dept. of Biotechnology

Venue : Auditorium

V. G. Shivdare college of Arts, Commerce and Science, Solapur



NEP : Chief Guest : Dr. Dama L.B. Felicitation (I/c Dean PAH)

