	MARATHA VIDYA PRASARAK SAMAJ'S
	ARTS, SCIENCE AND COMMERECE COLLEGE, Ozar (MiG)
	Tal: Niphad, Dist: Nashik. 422 206 (Maharashtra) Phone No.(02550) 275219
	Email ID Senior College: srcollege.ozarmig@mvp.edu.in
	Website : www.mvpozarcollege.edu.in
	NAAC Accreditation (Third cycle) **B++** with(CGPA 2.77)
Dr. R. D. Darekar M.Com, Ph. D. DHE **Principal**	Affiliated to Savitribai Phule Pune University Id. No. PU/NS/ASC/027 (1984)	College Center Code No.: 0164	AISHE ID: C-41965 BOD: CAAN17530
Ref. No. /2022-23	

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The screening for the advanced and slow learners are recognized through the marks scored by them in previous year (10+2) examination. This helps to identify the slow learners and to design special coaching sessions or tutorial sessions to bridge the gap between the slow learners and the advanced learners. Advanced learners and slow learners have identified as per their responses in the classroom as well as the performance in the Unit test, internal examinations.

Slow Learner: The departments use monitoring and mentoring to keep track of slow learners' progress. Along with teachers, some advanced learners are encouraged to mentor weak students and help them with explanations and notes. Revision classes and counselling sessions are held and additional teaching is taken up if required. The mentor of the respective classes specifically provide the guidance to these slow learners. Corrected assignments and answer scripts are shared with each student and discussed to enable students to recognize their problem areas and improve. Faculty makes it a point to be patient and accessible to students personally, over the phone, mail, and social apps.

Following activities are done by teachers for students:
Slow learners:
1. Individual counselling.
2. Extra notes.
3. Group discussion session.
4. Homework Assignment
5. Encouragement in NSS, Sports, and academic activities.
6. Extra library books.

Advanced learners: Advanced learners are provided several opportunities to develop their knowledge and skills. These students are motivated to read advanced reference books, by providing additional library facilities. They are asked to solve the model question papers. They are given special guidance to perform better in the future.

The students are deputed to attend the University, State and National level seminars/workshops conducted in their special areas. So they get exposure in their concerned subject. They are encouraged to take part in the various competitions like Avishkar, (an innovative research project for students organized by Savitribai Phule Pune University, Pune) Science exhibitions, quiz, elocution, debate etc, in which they can prove their abilities. Many departments in the college conduct events to promote competitive spirit among advanced learners.

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They are motivated to undertake online certificate courses in MOOC, NPTEL and SWAYAM.
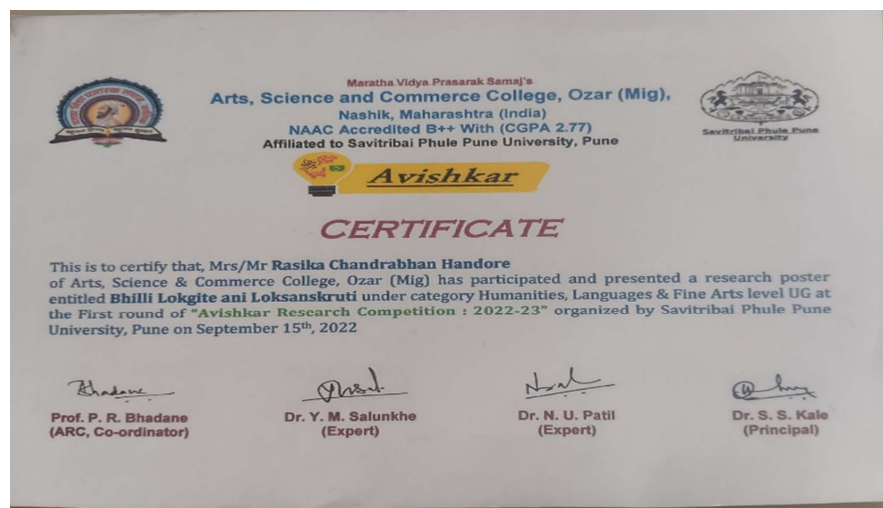
Advance learners:

1. Advance notes
2. Seminar i.e., Self-Discipline sessions
3. Participative learning sessions Day & Teachers Day
4. Experiential learning sessions i.e., Industrial Tour
5. Projects
6. Assessments
7. Group discussion sessions
8. Internet facility/Inflibnet Facility
9. Avishkar participation
10. Advance questions papers. In order to enhance their confidence level, the department conducts different activities such as NSS, Cultural, and Sports to develop their overall personality.

The academic achievements of the students are extremely motivated and highly praised by the College and the meritorious students are honoured with medals on the celebration of Annual Day every year.

Advance Learner particpated

1. Avishakr Research Competition

2. Deutsch Language Course

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Deutsch Language Course

Motivation to Advance Learner

Participation in Elocution and Dabat

Co-ordinator
Internal Quality Assurance Cell
Arts,Science and Commerce College

PRINCIPAL
Arts,Science and Commerce College
Ojhar(Mig),Dist.Nasik-422 206

Maratha Vidhya Prasarak Samaj's
Art's Science and Commerce College, Ozar (MIG)
Department of Mathematics
Name of the Activity- Mathematical Software Sci-Lab

Introduction-Scilab is a high-level, numerically oriented programming language. The language provides an interpreted programming environment, with matrices as the main data type. Scilab is software for numerical computation providing a powerful computing environment for Engineering and scientific applications. A large number of functionalities is included in Scilab: Control, simulation, optimization, signal processing, Numerical analysis or scientific computing

Applications-

1) Scilab provides about 1,700 mathematical functions for engineering and Science including mathematical operations, data analysis.2-D and 3-D graphs
2) Scilab provides standard algorithms and tools for control system study.
3) It also used in data structure such as polynomials, matrices and graphic.
4) Scilab provides graphics functions to visualize and export data and offers many ways to create and customize various types of plots and charts like Lines, Pie Charts, Histograms & Surfaces.
5) The software can be used for signal processing, statistical analysis, and image Enhancement,Dynamics simulations and numerical optimization.

Methods in Scilab are generally used are

1) Interpolation and regression, 2) Differentiation and integration,3)Linear systems of Equations, 4) Fourier analysis, 5) Ordinary differential equations 6) Matrix computation (Determination of Eigen values and singular values)

Introduction: = Python is an interpreted, object-oriented, high-level programming language with dynamic semantics developed by Guido van Rossum. It was originally released in 1991. Designed to be easy as well as fun, the name "Python" is a nod to the British comedy group Monty Python.

Applications-

1) Python is commonly used for developing websites and software, task automation, data analysis, and data visualization. Since it's

2) Python is relatively easy to learn, Python has been adopted by many non-programmers such as accountants and scientists, for a variety of everyday tasks, like organizing finance

3) Python is used by Intel, IBM, NASA, Pixar, Netflix, Facebook, JP Morgan Chase, Spotify, and a number of other massive companies. It's one of the four main languages at Google, while Google's YouTube is largely written in Python. Same with Reddit, Pinterest, and Instagram.

4) Python is one of the rearmost technologies taking over the world. Thus Python is one of the most-suited languages for Artificial Intelligence.

5) From healthcare to retail, Python can do multiple job across various industry verticals.

Methods in Python can be done are -

1) Iterations and Conditional statements 2) Linear Algebra 3) Newton-Raphson Method ,False Position (RegulaFalsi) Method ,Numerical Integration, Trapezoidal Rule, Simpson's Rule 4) 2D and 3D Graphs 5) Turtle Graphics etc. .
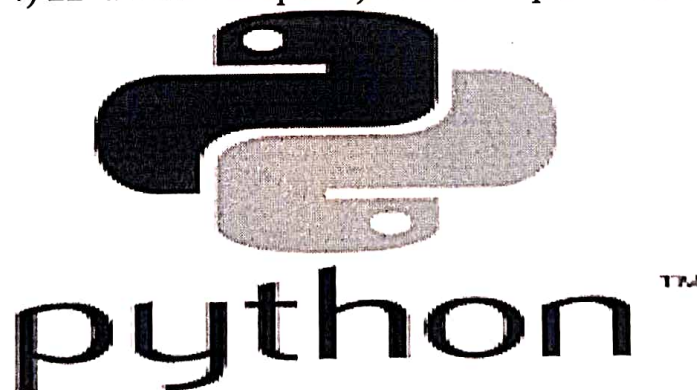
Name of the Activity- Mathematical Software Latex

Introduction: LaTeX, is a document preparation system for high-quality typesetting. It is most often used for medium-to-large technical or scientific documents but it can be used for almost any form of publishing. LaTeX is a free software package created in 1985 by the American computer scientist Leslie Lamport as an addition to the TeX typesetting system

Applications-
1) LaTeX is free software used to create formatted documents (such as PDF or DVI files) for technical writing (such as scientific research papers).
2) When using LaTeX, you create a plain text file with markup tags for things like text in bold or italic, as well as symbols (such as π and $\sqrt{}$).
3) LaTeX files contain markup language that enables them to be readily converted to other outputs (e.g., PDF or HTML), allowing you to change or share your document more easily than if it was in another format.
4) LaTeX is hands down the document format most commonly used among mathematicians at the present time. This means it is easy to share documents with others and to collaborate with co-authors.

LATEX
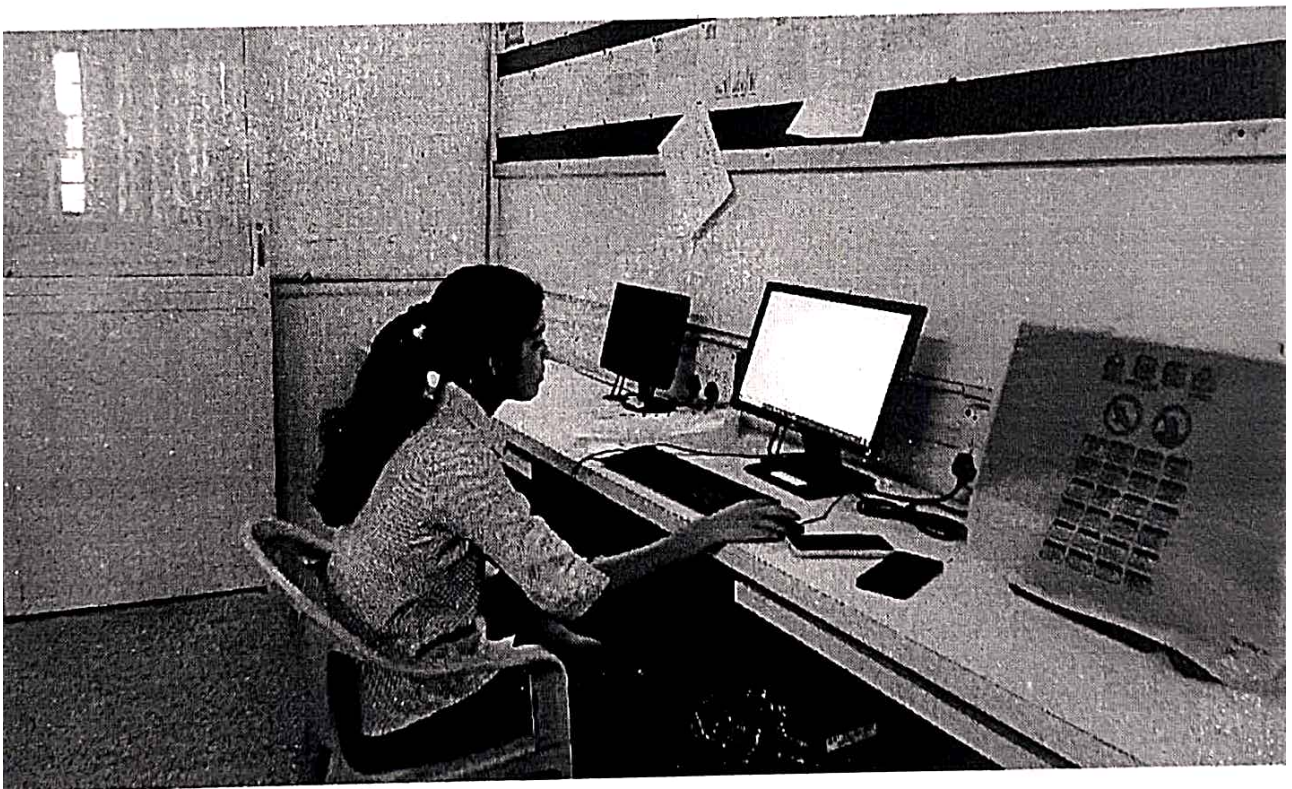
Head
Department Of Mathematics
Head
Department of Mathematics
Arts, Science and Commerce College
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Maratha Vidya Prasarak Samaj's

Arts, Science & Commerce College, Ozar (Mig)

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Ph. : (02550) 275219, 275919
E-mail : ozarcollege@gmail.com   Website : www.ozarcollege.com

B++
CGPA 2.77
NAAC
ACCREDITED WITH GRADE
1st Cycle

- Affilliated to Savitribai Phule Pune University (ID No PU/NS/ASC/027/1984)
- Junior Vocational College Code : J 13.08.907
- HTE Sevarth ID : 06220100122_AST (College Code : 023)
- Junior College Code : J 13.08.016
- AISHE ID : C-41965

Ref.No. :   Date :

Avishkar Research Competition

2022-23

In order to promote research and innovation among the students, the Invention Research Competition was organized at MVP Samaj's Arts, Science and Commerce College Ozar, Mig on 15th September 2022. The competition was inaugurated by the principal of the college, Dr. S. S. Kale. Savitribai Phule Pune University organized this competition for the first time after the global epidemic of Covid-19. The competition received huge response from the students and professors of all branches of Ozar College. Under the guidance of various professors of the college, the students expressed their ideas through an invention competition. In this, 10 groups from arts department, 7 groups from commerce department, 16 groups from science department and 1 group from art department, 4 groups from science department and 5 professor researchers from teacher group participated in this. A total of 43 such groups participated in this competition. On this occasion.

The principal of the college Dr. S.S Kale in his presidential speech said that such competitions are needed to awaken innovation and research attitude among students. He also said that innovation and entrepreneurship will increase from such a competition". Introductory educational research coordinator of the said competition Dr. Bhadane explained to the attendees the theoretical role of the university behind the said competition and guided them about research and innovation. He also said that "invention competition is an important opportunity with personality development." For this competition, the first year degree level students of the college will be evaluated by Prof. Dr Y. M. Salunkhe (Vice Principal and Head of Department of History Vani College) and Prof. Dr. N. U. Patil (Physics Department Head, Pimpalgaon Baswant College) along with Principal Dr. S. S. Kale, Vice Principal Dr. Yuvraj Jadhav, all the senior and

junior level students of the college, head of department professors and non-professor staff etc. were present in large numbers.

The inaugural program was coordinated by Prof. B. N. Shelke thanks Prof. for the program. Mrs. V. S. Shimpankar delivered a vote of thanks.

Vijay Nagar, Maharashtra, India
3WH8+5W8, Swami Samarth Nagar, Vijay Nagar, Maharashtra 422206, India
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Long 73.917632°
15/09/22 02:40 PM

Prof. P. R. Bhadane
ARC Co-Ordinator
Academic and Research Co-ordinator
Arts,Sci.and Com.College,Ozar(Mig)

For Dr. S. S. Kale
PRINCIPAL
Principal
Arts,Science and Commerce College
Ojhar(Mig),Dist.Nasik-422 206

M.V.P. Samaj's
Arts Science and Commerce College Ozar Mig
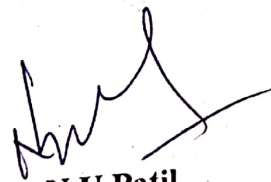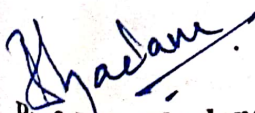## Avishkar Research Competition 2022-23

Category: Humanities, Languages and Fine arts

Level: UG

Name of students	Title of Project
1.Madhuri Girish Gajbhe 2.Nandini Pundlik Ahire	A Study of Myths in Girish Karnad's Play:The Fire and Rain
1.Pawar Jayashree Harichandra 2.Pagar Siddhi Bipin 3.Nehere Jayashree Kailas	An Assesment of the perception of local formers on cloudburst.

Level: PG

Name Of Students	Title of Project
1.Mansi Madhukar Borste. 2.Shital Kailashsing Pardeshi	Dhwani Utpadan me Wak Avayavonki Bhumika

Prof. P.R. Bhadane
Head
(ARC)
Academic and Research Co-ordinator
Arts,Sci.and Com.College ,Ozar(Mig)

Prof. Dr. N.U.Patil
Expert
(Pure Science)

Prof.Dr. Y.M. Salunkhe
Expert
(Humanities, Languages, Fine arts)

Prin. Dr. S.S.Kale
Principal
PRINCIPAL
Arts,Science and Commerce College
Ojhar(Mig),Dist.Nasik-422 206
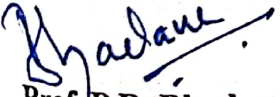
M.V.P. Samaj's
Arts Science and Commerce College Ozar Mig
Avishkar Research Competition 2022-23

Category: Commerce, Law and Management

Level: UG

Name of students	Title of Project
1.Jadhav Tejal Namdev 2.Shinde Anushka Ananda 3.Mulane Prajakta Prakash	Saundharya Prasadhanache Naisargic Stroth ani Vipanan
1.More Komal Sunil 2.Khaire Ashwini Vikas 3.Maval Rutuja Luxuman	Yellow Tricky Trap

Prof. P.R. Bhadane
Academic and Research Co-ordinator
Head
Arts,Sci.and Com.College ,Ozar(Mig)

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Category: Pure Sciences

Level: UG

Name of students	Title of Project
1. Wature Rohit Suresh 2. Govind Mahima Ramesh	Larvicide from weed
1. Vidhate Sanika santosh 2. Bhavar Shubhangi Ashok	Impact of social media on our life

Level: PG
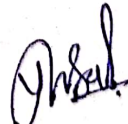
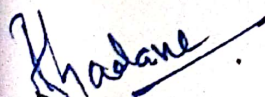| Name of students	Title of Project
1.Sakshi Sanjay Deshmukh 2.Prajkta Chintamani Gholave	Parabolic Solar Cooker

Level: TH

Name of students	Title of Project
1. Kamlakar Ukharam Chavan	Antimicrobial property of CeO2np by plant extracts

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Avishkar Research Competition 2022-23

Category: Medicine and Pharmacy

Level: UG

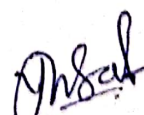| Name of students	Title of Project
1. Vidhate Aniket Balu 2. Daroga Jeetkaur Ajitsingh	Herbal toothpowder for oral hygiene

Level: PG

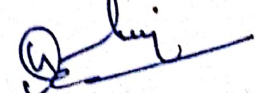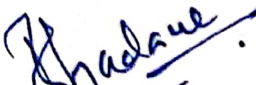| Name of students	Title of Project
1. Mahale Rucha Subhas 2. Mahale Madhuri Sahebrao	Synthesis of benzo (n)-1-6-napthyridine as a antimalarial and antibacterial agent

Level: TH

Name of students	Title of Project
1. Vikas Dilip Jadhav	Synthesis, molecular docking and application of response surface method used for 5-aryl -1,2,4 triazolidines -3-one

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Head
Academic and Research Co-ordinator
Arts Science Ozar(Mig)

Prof. Dr. N.U.Patil
Expert
(Pure Science)

Prof.Dr. Y.M. Salunkhe
Expert
(Humanities, Languages, Fine a...)

Prin. Dr. S.S.Kale
PRINCIPAL
Arts Science and Commerce College
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Category: Engineering and Technology

Level: UG

Name of students	Title of Project
1.Shubhangi balasaheb Jadhav 2.Dhanashri Nanasaheb Bhadke	Use of game theory in strategic situation
1.Gayatri Valu Jondhale 2.Sejal Prabhakar Mahale	Fire Security system

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PRINCIPAL
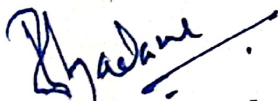Arts,Science and Commerce College
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<p align="center">M.V.P. Samaj's
Arts Science and Commerce College Ozar Mig
Avishkar Research Competition 2022-23</p>

Category: Agriculture and Animal Husbandry

Level: UG

Name of students	Title of Project
1.Priyanka Santosh Chunchekar 2.Poonam Khandu Kambale	Bahuuddheshiy ani Bahupik krushi prakriya kendra nirmititun Atmnirbhar Bharat
1. Yeshi Bhaghyshri Nandkumar 2. Saniya Salim Shaikh	Alternative Fuel

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