

**VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT**  
**VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,**  
**SAMUDRAPUR DIST. WARDHA 442305 (M.S.)**  
(Affiliated To RTM Nagpur University, Nagpur)



## DEPARTMENT OF MATHEMATICS

### Report 2022-23

#### 1. Faculty profile

| Sr. No | NAME                    | DESIGNATION                  | QUALIFICATION      | EXPERIENCE (Years) |
|--------|-------------------------|------------------------------|--------------------|--------------------|
| 1      | Dr. Shilpa W. Samdurkar | Assistant Professor          | M.Sc., Ph.D.       | 9.9 years          |
| 2      | Dr. Subhash D. Tade     | P.G. Teacher                 | M.Sc., Ph.D.       | 32 years           |
| 3      | Ms. Roshni Pathekar     | Assistant Professor (C.H.B.) | M.Sc. , SET, B.Ed. | 5 years            |
| 4      | Ms. Megha Dekate        | CHB                          | M.Sc., B.Ed.       | 1 year             |

#### 2. Students Profile

| Class          | Admitted Students | Appeared for exam | Pass | Success % | Fail |
|----------------|-------------------|-------------------|------|-----------|------|
| B.Sc. Sem. I   | 70                |                   |      |           |      |
| B.Sc. Sem. II  |                   |                   |      |           |      |
| B.Sc. Sem. III | 39                | 37                | 26   | 70.27%    | 11   |
| B.Sc. Sem. IV  |                   |                   |      |           |      |
| B.Sc. Sem. V   | 69                |                   |      |           |      |

|                |    |    |    |   |    |
|----------------|----|----|----|---|----|
| B.Sc. Sem. VI  |    |    |    |   |    |
| M.Sc. Sem. I   | 25 | 25 |    |   |    |
| M.Sc. Sem. II  | 25 |    |    |   |    |
| M.Sc. Sem. III | 25 | 25 | 00 | 0 | 25 |
| M.Sc. Sem. IV  | 25 |    |    |   |    |

**3. Changes made in the courses or programmed during the past two years and the contribution of the faculty to those changes.: Nil**

**4. The learning resources of the department**

i) Libraryii) Google Classroom iii) You-tube links of classesiv) Google meet

**5.Number of major and minor Instruments in the Department: Nil**

**6. Study Tour:Nil**

**7. Modern teaching methods practiced and use of ICT in teaching – learning**

a) Teaching methods: Google meet and google Classroom

b)Evaluation methods: Tests and Assignments

c) Use of ICT: e-contents, PPT ( for example :Group Theory, Differential Equations &Triple Integration )

**8. Participation of Teachers in academic and personal counseling of students**

- i) Conducted Webinar on Robotics and Cloud Technology via zoom meet on dates 27-02-2023
- ii) Conducted one week Online Faculty Development Programme on dated 01-06-2023 to 7-06-2023

## FACULTY INFORMATION

**Participation/contribution of teachers to the academic activities including teaching, consultancy and research:**

### A) Teaching work load

| Sr. No. | Name of the lecturer    | Subject     | Class                                  | Periods Allotted |     | Total Work Load | Extra | Remarks |
|---------|-------------------------|-------------|----------------------------------------|------------------|-----|-----------------|-------|---------|
|         |                         |             |                                        | L                | P/T |                 |       |         |
| 1       | Dr. Shilpa W. Samdurkar | Mathematics | B.Sc. I year<br>(Sem I and Sem II)     | 07               |     | 23              | 03    |         |
|         |                         | Mathematics | B.Sc. II year<br>(Sem I and Sem II)    | 08               |     |                 |       |         |
|         |                         | Mathematics | B.Sc. III year<br>(Sem I and Sem II)   | 08               |     |                 |       |         |
| 2       | Dr. S.D. Tade           | Mathematics | M.Sc. I/II year                        | 20               |     | 20              |       |         |
| 3       | Ms. Roshni Pathekar     | Mathematics | M.Sc. I /II year<br>(Sem I and Sem II) | 22               |     | 22              | 02    |         |
| 4       | Ms. Megha Dekate        | Mathematics |                                        | 08               |     | 08              |       |         |

### B) Participation in Co- Curricular activities:

| Sr. No. | Name of Programme        | Date                    | Name of Organizer                           |
|---------|--------------------------|-------------------------|---------------------------------------------|
|         | Admission Committee (UG) | July 2022               | College                                     |
|         | Online FDP conducted     | 1 -06-2023 to 7-06-2023 | Dr. S. W. Samdurkar<br>(Research Committee) |
|         | Women Day Celebration    | 8/03/2023               | Dr. S. W. Samdurkar<br>And Dr. A.M.Bhende   |
|         | NSS Camp                 | 21 -01-2023             | Dr.Shilpa W. Samdurkar                      |

|  |                          |                   |                                                     |
|--|--------------------------|-------------------|-----------------------------------------------------|
|  | <b>Webinar Conducted</b> | <b>27-02-2023</b> | <b>Dr.Shilpa W. Samdurkar<br/>And Ms. Kiran Daf</b> |
|--|--------------------------|-------------------|-----------------------------------------------------|

**C) List of Activities conducted by the department:**

| <b>S.N.</b> | <b>Title of Activity</b>                                      | <b>Date</b>                                     |
|-------------|---------------------------------------------------------------|-------------------------------------------------|
| <b>1</b>    | <b>Seven – Days Online Faculty Development Programme</b>      | <b>1<sup>st</sup> -7<sup>th</sup> June 2022</b> |
| <b>2</b>    | <b>Bridge Course</b>                                          | <b>15-07-2022 to 26-07-2022</b>                 |
| <b>3</b>    | <b>Induction Programme</b>                                    | <b>17-08-2022</b>                               |
| <b>4</b>    | <b>Guest Lecture and Inauguration of Mathematical Society</b> | <b>16-09-2022</b>                               |
| <b>5</b>    | <b>Seminar Activity</b>                                       | <b>17-10-2022</b>                               |
| <b>6</b>    | <b>Quiz Competition</b>                                       | <b>22-12-2022</b>                               |
| <b>7</b>    | <b>Webinar</b>                                                | <b>27-02-2023</b>                               |
| <b>8</b>    | <b>Model and Chart Making</b>                                 | <b>28-02-2023</b>                               |

**D) Extra Curricular activities:**

**1. College and Self Development Activities :**

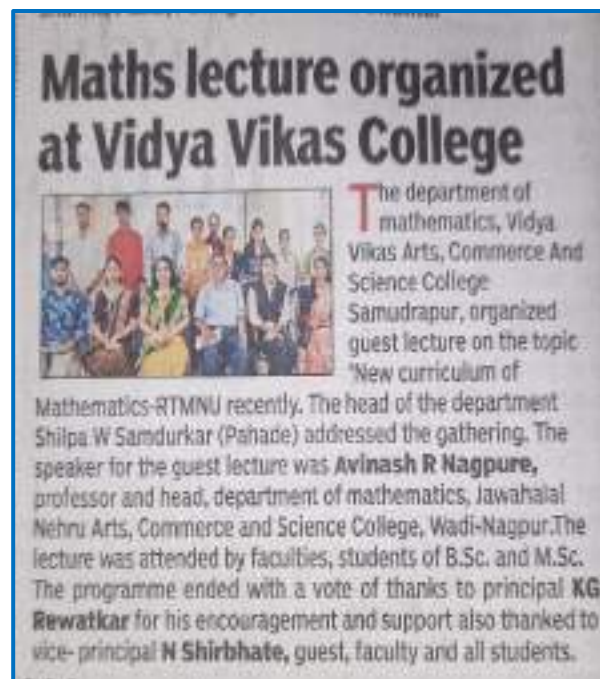
***College Level Activity (National):Convener : Dr. Shilpa W. Samdurkar***

**Seven – Days Online Faculty Development Programme ( 1 st -7 th June 2022 )**



Keynote Speaker :Dr. Rampal TandonWelcome speech by Dr. K. G. Rewatkar

### Department Activities



Guest Lecture organized on 16-09-2022Mathematics Day

**VVC holds quiz to mark Ramanujan's birth anniversary**

**D**epartment of mathematics, **Vidya Vikas Arts, Commerce and Science College (VVC)**, Samudrapur, Wardha, organized online **Inter-College Mathematics Quiz Competition** recently. The event was held on National Mathematics Day in order to recognize **Shrinivasa Ramanujan's** immense contribution towards mathematics. The event was conducted by HoD **Dr Shilpa Samdurkar (Pahade)**, co-ordinator **Roshni Patekar** and **Megha Dekate**. In the competition 198 students from **Dharampeth College (Nagpur)**, **Arjuni Morgaoan (Gondia)**, **Bhoyar College, Pulgaon** and **Selu (Wardha)**, **Sant Gadge Baba College (Hingna)**, **Devgram College, Mauda College, Mandal College** and other institutes took part. **Dr Shilpa Samdurkar** and **Roshani Pathekar** thanked senior faculty **Dr SD Tade** for his guidance. Event was held under supervision of VVC principal **Dr KG Rewatkar** and vice-principal **Dr Nayana Shirbhate**.

  
 VIDYA VIKAS ARTS, COMMERCE & SCIENCE COLLEGE  
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 AFFILIATED TO U. M. S. A. 2023 & 2024-2025

### Conclusions

## Competition-2022

and the two conditions did not differ significantly ( $p = 0.12$ ).



Narayana Lakshmi Narayana

Date: 22<sup>nd</sup> December 2022

Time: 11.00 to 12 noon

Placheta : google form (online)

**Coordinator**

(Shri. Roshni Pathak)

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

(Dr. Shilpa W. Sandarkar)

**General Instruction:**

- Registration is **mandatory**.
- E-certificates will be provided to the registered participants.
- Quiz link will be provided on respective WhatsApp group at 11am on December 22.

Registration link: <https://forms.gle/SkYS4bUjRQHUZdgc8>

### Contact Details

Ms. Megha Dekate (Maths Department): 9112030492



Seminar activity on dated 17/10/2022



Science Day: Models Exhibition 28-02-2023



Prize Distribution

## Science Day organised



Dignitaries addressing the gathering.

■ District Correspondent  
WARDHA, Mar 4

VIDYA Vikas College, Samudrapur, organised Science day programme on the theme of 'Global Science for Global Wellbeing' recently.

Dr Gaurav Bhosekar was chief guest on the occasion. He

gave a lecture on 'Global Science for Global Wellbeing'.

He explained the concept of science and its importance in daily life. Dignitaries encouraged the students to continue their efforts in science and technology.

Several competitions were organised during the event.



## Science Day: Guest Lecture

## Best Practice: Chart Making



Celebration of 8<sup>th</sup> March 2023 : International Women's Day

2. Social Activities: Attended NSS Camp Jan 2023

**D) Priority Areas of Research: -**

- Research Paper Publication : 02
- Book Published : 01
- Paper Presented in Int. Conference :01
- Ph.D. Registered students : 01
- Conference Attended: 02
- Webinar attended : 02
- Chief Guest in National Conference : 01
- Guest Lecture Delivered : 02

**E) Achievement**

- Elected Member of Board of Studies
- Member of LEC
- Life membership of Indian Congress Association

**Head of the Department**

( Shilpa W. Samdurkar)

Place: Samudrapur

Date:- 27/04/2023

**Principal**

(K.G. Rewatkar)