

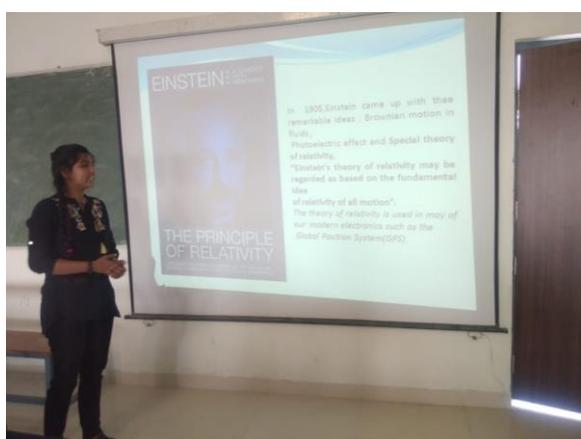
**DADA RAMCHAND BAKHARU SINDHU MAHAVIDYALAYA**  
**DEPARTMENT OF MATHEMATICS**

**ANNUAL REPORT 2018-19**

Department of Mathematics DRB Sindhu Mahavidhyalaya strives hard for the overall development of the students and thus conducts various activities along with regular teaching.

- **Departmental Activities:**

Students of the department were guided and encouraged to deliver seminars. **Ku. Payal Katre, Ku. Aishwarya Daharwal and Ku. Divya Ambade** of BSc. Final year delivered seminars on various topics of Special Theory of Relativity.



The department of Mathematics conducts certificate course for the overall development of the students in the competitive world. A certificate course on **“Numerical skill development for competitive exams”** was held for the students during March-April 2019. About 48 students of the college enrolled themselves for this certificate course. Ms. Monisha Panjwani conducted the certificate course.



- **Participation of Students:**

Faculty members of the Department of mathematics guided students **Ku. Payal Katre of B.Sc. (final year)** and **Ku. Rashmi Katre of B.Sc. (first year)** for power point presentation competition held at Taywade college of Arts, Commerce and Science, Koradi, Nagpur on 23<sup>rd</sup> Feb. 2019.

Students from B.Sc. (I, II & III) from the department have participated in the Intercollegiate Mathematical Quiz competition organized by V. M. V. College, Nagpur On 4<sup>th</sup> March 2019, in which **Ku. Gauri Chouksey of B.Sc. (III)** has won the consolation prize.

**Ku. Madhuri of B. Sc. (final year)** has participated in the intercollegiate seminar competition on Mathematical Physics organized by J.B. Science college, Wardha on 19<sup>th</sup> March 2019.



Gauri Chowksey receiving the prize in the valedictory ceremony.

## ANNUAL REPORT 2019-20

Department of Mathematics DRB Sindhu Mahavidhyalaya strives hard for the overall development of the students and thus conducts various curricular and extra-curricular activities along with regular teaching. Dr. A. A. Qureshi, Associate Professor and Dr. Rupali Wanjari , Assistant Professor are the faculty members in the department. We motivate and guide students to participate in various curricular and extra-curricular activities held in the college and outside. Miss. Humaira Tazeen and Miss. Monisha Panjwani are invited as guest faculties in the department.

- **Departmental Activities:**

Students of the department were guided and encouraged to deliver seminars. **Ku. Pratiksha Nandanwar, Ku. Afsha Khan, Ku. Roshani Katare, Jitesh Ikhar, and Bushra Bano** of BSc. First, second and Final year delivered seminars on various topics of Calculus , Analysis, Abstract Algebra and Special Theory of Relativity.

- **Participation of Students:**

Students of the department 1) Ku. Ankita Bahare and ku. Asma Qureshi of Sem-VI , 2) Mr. Akash Bhanare and Mr. Md. Sohail Ansari and 3) Mr. Jitesh Lilhare participated in the seminar through power point presentation on the topics : Mass-Energy equivalence, Infinite Series Summation and Role of Mathematics in Science and Technology respectively organised in the college by IQAC on 29<sup>th</sup> Feb. 2020 to celebrate National Science Day.

**Two teams** 1) Ku. Asma Qureshi (sem-vi), Ku. Asra Parvin Sheikh (sem-iv) , Md. Sohail Ansari (sem-ii) and 2) Ku. Pratiksha Nandanwar (sem-vi), Ku. Chaya Turkar (sem-iv), Md. Sajid Ali (sem-ii) of the department participated in the Inter collegiate Mathematical Quiz Competition in **VMV college, Nagpur.**

**Guest Lectures :** Ku. Humaira Tazeen delivers lectures on the topics: Matrices on Sem-I and Difference Equations on Sem- II classes.

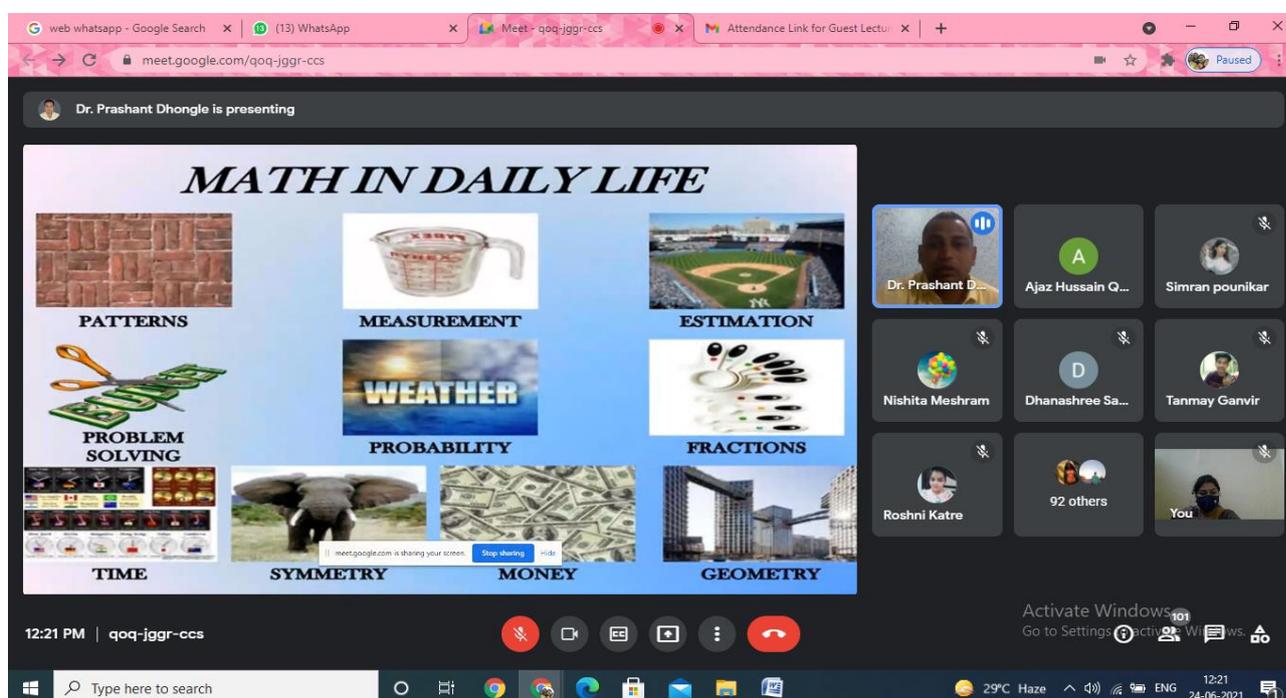
**Certificate Course :** Four Weeks Certificate course On “**Vedic Mathematics and Quantitative Aptitude for Competitive Exams**” ( online mode ) for the students is scheduled in April-May 2020. Miss. Monisha Panjawani is a Guest speaker for the certificate course.

## ANNUAL REPORT 2020-21

Department of Mathematics DRB Sindhu Mahavidhyalaya strives hard for the overall development of the students and thus conducts various curricular, co-curricular and extra-curricular activities along with regular teaching. Dr. A. A. Qureshi, Associate Professor and Dr. Rupali Wanjari , Assistant Professor are the faculty members in the department. We motivate and guide students to participate in various curricular and extra-curricular activities held in the college and outside.

- **Departmental Activities:**

In this session we have arranged guest lectures of Prof. Pravin Deshpande on the topic “Complex Integration” for final year students and Dr. Prashant Dhongle of Porwal College, Kamptee spoke on the topic “Importance of Mathematics in Our Life” for B.Sc. students.



- **Certificate Course:**

Four Weeks Certificate course On “Numerical skill development for Competitive Exams” ( online mode ) for the students is scheduled in May-June 2021. About 70 students of B.Sc. first year participated in this certificate course.

## Annual Report 2021- 2022

In this golden jubilee year celebration of DRB Sindhu Mahavidyalaya, Department of Mathematics has celebrated 'National Mathematics Day' in the college on 22<sup>nd</sup> December, 2021 to commemorate Birth Anniversary of great mathematician **Shrinivasa Ramanujan**. On this day **Poster making competition** on the given theme 'Use of Mathematics in daily life' and 'Role of Mathematics in Physical Sciences' was organized. About 16 students of B.Sc. (I) and B.Sc. (II) participated in this competition. Dr Rishi Agrawal, Head, Department of Mathematics, Hislop College was the Judge, and he decided the winner as:

1<sup>st</sup> Prize: Ku. Jagruti Yeole of B.Sc. (II), 2nd prize: Ku. Vaidehi Bhilawe of B.Sc. (I), 3<sup>rd</sup> prize: Ku. Santoshi Gonekar of B.Sc. (II) and special prize for the poster with at most creativity has gone to Ms. Gargi Purwar of B.Sc. (I). Cash prize and certificates were given to the winners.

- **Guest Lecture:**

Guest lecture of Shri. Abhishek Acharya, Director DIZWIZ was organized in the Dada Bakharu Auditorium for B.Sc. and M.Sc. Mathematics Students under the banner of Ramanujan Mathematical Society which was inaugurated at the hands of Principal Prof. Dr. V .M. Pendsey. Office bearers of the society are 1) Ku. Asha Maladhari of M.Sc. (I) - President of the society, 2) Ku. Jagruti Yeole of B.Sc. (II) - Secretary, 3) Ku. Bhavika Talreja - Treasurer, 4) Mr Mihir Kotangale - Joint secretary and all the nominate members. Principal Dr. V. M. Pendsey guided and motivated the students. Inaugural speech was given by Dr A. A. Qureshi. Shri. Abhishek Acharya delivered a guest lecture on the topic 'Animation a creator of job opportunities for next generation'. Ms. Jagruti Yeole a student of B.Sc. (II) compared the program and Mr Mihir Kotangale of B.Sc. (II) presented vote of thanks.

- **Quiz Competition:**

M.Sc. (I) students Ku. Asha Maladhari, Aafiya Tasneem and Asra Sheikh who participated in Quiz competition held at PGTD Mathematics, RTM Nagpur University.

- **Student's Participation:**

Ku. Bhavika Talreja took part in the seminar competition organized by the Department of Mathematics, RTM Nagpur University, Nagpur.

- **Certificate Course:**

Department has conducted a one month Certificate course entitled "Numerical Skill Development for Competitive Exams" for B.Sc. First year students of the college to develop interest in the students to take the preparation for competitive exams.



Participants of poster competition Mr. Abhishek Acharya delivering Prof. Rishi Agrawal as a judge

## ANNUAL REPORT 2022-23

Department of Mathematics DRB Sindhu Mahavidhyalaya strives hard for the overall development of the students and thus conducts various curricular, co-curricular and extra-curricular activities along with regular teaching. Dr. A. A. Qureshi, Professor and Dr. Rupali Wanjari, Assistant Professor are the faculty members in the department. Mr. Rahul Patil is a full time faculty for M.Sc. Mathematics Course. We motivate and guide students to participate in various curricular and extra-curricular activities held in the college and outside.

- **Students Seminar:**

Students of the department were guided and encouraged to deliver seminars. **Ku. Jagruti Yewale and Mihir Kotangale** of BSc. Final year delivered seminars on various topics of Special Theory of Relativity.



- **Student's Participation:**

Ku. Firdos Fatema of M.Sc. final year took part in the seminar competition organized by the Department of Mathematics, RTM Nagpur University, Nagpur.



- **Certificate Course:**

Department of Mathematics conducts certificate course on **“Numerical skill development for competitive exams”** to develop interest among students to prepare for the competitive examination. About 60 students of B.Sc. First year of the college enrolled themselves for this certificate course. Miss. Monisha Panjwani is a resource person for the certificate course

- **Co-curricular Activities:**

Our students of M.Sc. Mathematics course took part in Vigyan Sanskar Shibir organized by Vigyan Bharati in collaboration with DRB Sindhu Mahavidyalaya, Nagpur from 24<sup>th</sup> April to 30<sup>th</sup> April 2023. Ku. Shamama Kausar, Asra Sheikh, Harsha Nandanwar, Aachal Ukunde, Firdos Fatema, Bhagyashree Ghogare and Aafiya Tasneem explained the topics Pythagorean triplets, Relation between length of three sides of triangle, to find square root geometrically, to understand how 21 cards tricks work, Coffee-beans problem and four queen problem in practical manner to about 160 school students from about 16 different schools.



- **National Science Day celebration in the college:**

The National Science Day celebrated in the college on 27<sup>th</sup> and 28<sup>th</sup> February 2023.

**Ku. Jyoti Kanoje and Ku. Saniya Sawaikar of B.Sc. final year got I<sup>st</sup> prize in the poster competition on the theme “Science and Medicine”.**

Ku. Bhagyashree Ghogare and Ku. Aashita Kurve participated in the seminar competition on the theme “Science and Medicine, Technology for Sustainable Future”. Ku. Shamana Kausar and Harsha Nandanwar participated in the poster competition on the theme science and medicine, Artificial Intelligence and Robotics.

# Annual Report 2023- 2024

Department of Mathematics in this session 2023-24 organizes various programs and activities for its UG.

- **Inauguration of Ramanujan Mathematical Society on 28<sup>th</sup> October 2023:**

Ramanujan Mathematical Society Inaugurated at the hands of Principal Prof. Dr. V .M. Pendsey. Office bearers of the society are 1) President- Ku. Muskan Quadari, B.Sc. (III), 2) Vice-President- Ku. Riya Sonkusare B.Sc. (II), 3) Treasurer- Ku. Shubham Ninave, B.Sc. (II), 4) Secretary -Ku. Fauziya Sheikh B.Sc. (I) and 5) Joint secretary- Tejas Bandhekar and all the nominated members. Principal Dr. V. M. Pendsey guided and motivated the students. He also praised the students for their active involvement in the organization of the programs.



- **Guest Lecture:**

Dr. Prashant Dhongle, Associate Professor & Head, Department of Mathematics, Seth Kesarimal Porwal College of Arts, Science & Commerce, Kamptee, Nagpur has delivered a Lecture on the topic “Role of Mathematics in Daily life” on 28<sup>th</sup> October 2023. Ku.. Karina Dongre and Ku. Vishakha Dharmik students of B.Sc. (III) compared the program, Ku. Muskan Quadari a students of B.Sc. (III) introduced the guest speaker and Ku. Fauziya Sheikh a student of B.Sc. (I) presented vote of thanks. About 116 students were present for the lecture and interacted with guest speaker.



- **Student's Participation:**

Faculty members of the Department of mathematics guided **Ku. Fauziya Sheikh of B.Sc. (first year)** for state level seminar competition "SciStorm" held at Shri Mathuradas Mohota College of Science Nagpur on 7<sup>th</sup> March 2024. **Ku. Fauziya Sheikh B.Sc. (first year)** won the third prize in the competition.



- **International Mathematics Day 2024 Celebration:**

On the Occasion of International Mathematics Day 2024 Department of Mathematics Organized Seminar Competition, Quiz Competition and Guest Talk of Mr. Abhishek Acharya, Director DIZWIZ under the banner of Ramanujan Mathematical Society. About 20 students participated in seminar competition and 10 teams (30 students) of B.Sc. (I), B.Sc. (II) and B.Sc. (III) have participated in quiz competition held on 22<sup>nd</sup> March 2024.



**Guest Lecture:**

**Mr. Abhishek Acharya** delivered a guest lecture on the topic 'Career in Animation' on 23<sup>rd</sup> March 2024 on this occasion. Ku. Muskan Quadari a students of B.Sc. (III) compared the program Dr. Rupali Wanjari introduced the guest speaker and Ku. Fauziya Sheikh a student of B.Sc. (I) presented vote of thanks. About 120 students were present for the lecture and actively participated in the interactive session.



- **Parent teacher meeting:**

The parent teacher meeting of department of mathematics was held on 1<sup>st</sup> September 2023 at 12.30 pm. Parents were welcomed and informed about the curriculum and other Curricular and Co-curricular activities of the department. Afterwards a questioning session was conducted where queries of parents were answered.



- **Mentor-Mentee Scheme:**

Mentor Mentee meeting (2023-24) was organized by the Department of Mathematics on 16<sup>th</sup> February 2024 and 15<sup>th</sup> April 2024. All mentees were welcomed and asked about any kind of problems and their future plans. Mentors guided mentees for their career choices in the future. Suggestions were given to mentees regarding the preparation for university exams. Mentors Dr. A. A. Qureshi and Dr. Rupali Wanjari also discussed personal problems of the mentees.

- **Certificate Course:**

Department of Mathematics conducts certificate course on **“Numerical skill development for competitive exams”** to develop interest among students to prepare for the competitive examination. About 60 students of B.Sc. First year of the college enrolled themselves for this certificate course. Ms. Afsha Khan was a resource person for the certificate course.

