

## **BEST PRACTICES – 01**

**Title of the practice:** Celebration of National Mathematics Week- 2022 with sponsorship of CG-COST, Raipur.

**Objective of the practice:**

To develop interest towards Mathematics by celebrating National Mathematics Day remembering the great mathematician of India Shri Srinivasa Ramanujan.

**The Context:**

The main objective of Mathematics Day celebration is to make people aware of the significance of numbers in life and to create interest among young minds to rethink everything in a way of mathematics. By motivating college students to put innovative ideas & through them, motivating school student to participate.

**The Practice:**

**DAY 1 and 2: 14<sup>th</sup> and 15<sup>th</sup> December 2021** : Department of Mathematics, Shri Shankaracharya Mahavidyalaya, Junwani, Bhilai, organised a 02 day Activity Session on 14<sup>th</sup> and 15<sup>th</sup> December, 2021 at Indira Gandhi Higher Secondary School, Ram Nagar, Supela.

**14<sup>th</sup> December 2021** : Students of M.Sc. Mathematics I semester under the supervision of Mrs. Priya Prajapati, organised a drawing competition for the students of Class 1-5 in which 20 students participated.

**15<sup>th</sup> December 2021** : Department of Mathematics organized a Quiz competition and Maths puzzles for the students of Class 1-5 in which 38 students participated.

**Day 3 and 4: 16<sup>th</sup> and 17<sup>th</sup> December 2021** : On 16<sup>th</sup> and 17<sup>th</sup> December working and Static model competition for the students of M.Sc. Mathematics, B.Sc. mathematics and BCA. For working model competition, 7 models were submitted, out of which Mayank and Mehul of B. Sc. 1<sup>st</sup> year bagged the 1<sup>st</sup> prize whereas Monesh K. Korram won the 2<sup>nd</sup> prize, and 3<sup>rd</sup> prize won by Aishwary Fund of B.Sc I and consolation. For static, 4 models were submitted, in which Hitesh Patel of B.Sc. II year and Akanksha Rajput of B. Sc. I year won the 1<sup>st</sup> prize and Prachi Kutare of B. Sc. I Year won the 2<sup>nd</sup> Prize.



**Day 5: 21<sup>st</sup> December 2021 :** As the session preceded, a poster competition on theme “Maths For a Better Future” was scheduled under which students of M. Sc., B. Sc. Mathematics and BCA participated and 56 posters were submitted.

**Day 6: 22<sup>nd</sup> December 2021 :** On the 6<sup>th</sup> day, a Webinar and a PPT competition was organized. The 1<sup>st</sup> half of this day comprised of PPT Competition in which all the students from M. Sc., B. Sc. Mathematics and BCA participated. This competition was based on the main theme in which students gave presentations on all the possible sectors and branches of Mathematics.

The Key-note speaker of the webinar was Dr. A. J. Khan, Principal, MATS University, Raipur and Dr. Subhash Chandra Shrivastava, Rungta College of Science and Technology. Dr. A.J. Khan sir gave his lecture on “Fuzzy Logic: Reshaping the World” in which he gave a review on Fuzzy logic, relationship between Precision and Uncertainty, Fuzzy set and Membership and Probability. The next lecture was given by Dr. Subhash Chandra Shrivastava on “Contribution and facts of Srinivasan Ramanujan”, in which he elaborated about the lifestyle, inventions and certain rejections.

**Day 7: 28<sup>th</sup> December 2021 :** On the 7<sup>th</sup> day, Director & Principal of the college, Dr. Raksha Singh gave the welcome note and said that Mathematics is the pillar of Science and Technology and the main motto of the celebration was to aware the students about the significance of numbers in life. Additional Director of the college, Dr.J.Durga Prasad Rao said that nothing can be more apt than to remember the genius, Sir Ramanujan through the celebration of Mathematics Day. He also explained about the importance of Mathematics for the development of humanity.

The chief guest of the program, Hon’ble **Dr.Aruna Palta**, Vice-Chancellor, Hemchand Yadav University, Durg visited the Maths exhibition displayed by the students of Maths department of the college. She was highly impressed by the quality work of the students. She also took a round of the college classroom and campus. She appreciated Director & Principal and Additional Director of the college and said that due to their best advice, support and full co-operation, Shri Shanakaracharya Mahavidyalaya is the first private affiliated institution of Chhattisgarh which got ‘A’ grade by NAAC.

The special guest of the program, **Dr. C. L. Dewangan**, Registrar, Hemchand Yadav University, Durg showered the blessings to the students for their innovative and hard work.



The program was followed by the guest lecture on “Mathematical Reasoning & Vedic Maths”, **Shri. Vinay Singh**, Director, Tejas IAS Academy. He also motivated the student towards mathematics.

In the exhibition, students displayed Q.R. Code of Mathematician of C.G. State, Time Mathematics, Poster Gallery of mathematics, and Diary Exhibition on the life of Shri Srinivasa Ramanujan, Maths news gallery, Static model, Python Calculator, Quiz Board, Robot & Maths Programming, also B.Sc. 1<sup>st</sup> year students generate QR code having SSMV digital library for mathematics department, Mathematics Articles, Journals, question papers etc. The students participated with great zeal and enthusiasm.

**Valedictory Function 29<sup>th</sup> December 2021:** **Department of Mathematics, Shri Shankaracharya Mahavidyalaya** organized valedictory Function of “National Mathematics day” on 29<sup>th</sup> December 2021 in collaboration with MOU partner D.B. Science College, Gondia (M.H.). This program was sponsored by **CG-COST**, Raipur.

The Chief guest of the program was Dr. Mohan Kumar Gupta, Principal B.I.T, Durg, Special guest of the program, Prof. P. Anjan S. Naidu, Principal, D.B. Science College, Gondia (M.H.) & Prof. Vijay M. Soni, HOD Mathematics, D.B. Science College, Gondia (M.H), Dr. Raksha Singh, Director & Principal, SSMV and Dr. J. Durga Prasad Rao, SSMV Additional Director, Shri Shankaracharya Mahavidyalaya. Junwani, Bhilai.

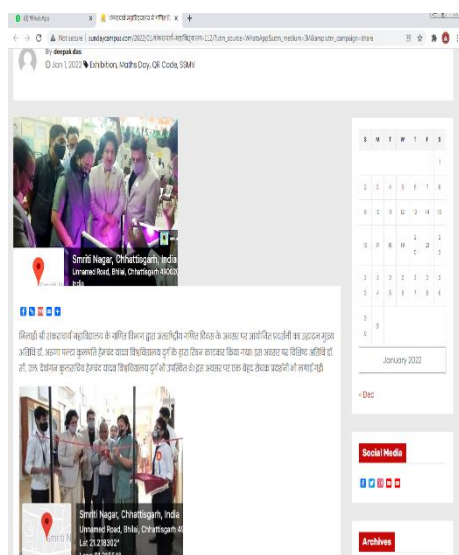
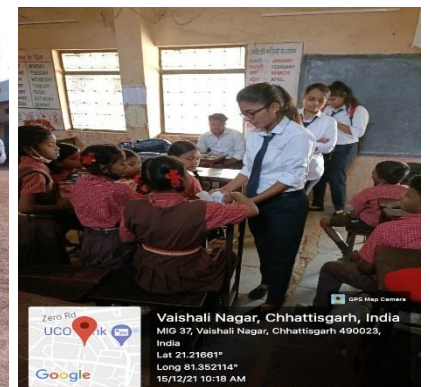
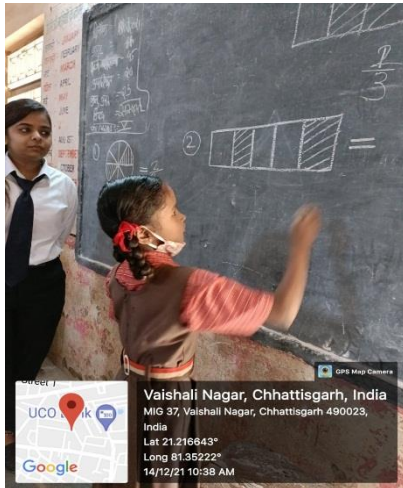
The special guest, **Prof. P. Anjan S. Naidu**, Principal, D.B. Science College, Gondia (M.H.) congratulated Shri Shankaracharya Mahavidyalaya for accreditation ‘A’ grade by NAAC. He appreciated the hard work of the students and said the projects were innovative and by slight modification it would have great commercial value. **Prof. Vijay M. Soni**, HOD Mathematics, D.B. Science College, Gondia (M.H) also appreciated the team effort of the college.

The chief guest of the program, **Dr. Mohan Kumar Gupta**, Principal, B.I.T, Durg was overwhelmed to be at Shri Shankaracharya Mahavidyalaya. He cherished students for their efforts. He invited the interested students to BIT for further research and innovative work. He also introduced with Idea lab which is coming soon in BIT, Durg. He further gave information about EDX for gaining more knowledge in free of cost.





## Evidence of success:



**Link to access photograph(s):**

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<https://www.facebook.com/ssmv.bhilai/posts/2661351960677782>

<https://www.facebook.com/ssmv.bhilai/videos/1071555153628275>

**Problems encountered and resources required :** Arranging the required resources on the line for an event for such a long time was undoubtedly a great challenge. The major obstacle was availability of time, although the management & students came forward and the event ended-up successfully.

**Notes :** Sound health of students always allow participations a level higher. As our state recovered from Covid-19 a few months back, the parents felt a bit doubtful for sending their wards. This could be the responsible factor of fluctuating number of attendees.





## **BEST PRACTICES – 02**

**Title of the practice:** Adoption of pond and taking care regularly.

**Objective of the practice:**

Ponds are one of the, nowadays, under-rated ecosystems. To protect an ecosystem, SSMV is trying to serve for a nearby Deen Dayal Upadhyaya Sarovar at Smriti Nagar area.

**The Context:**

The main objective of adopting a pond & serving for its cleanliness as a regular practice, is to aware the society about the significance of the pond and its ecosystem. A regular cleaning around the pond minimizes many material depositions in the pond, which in turn leads to a healthier aquatic flora and fauna inside the pond.

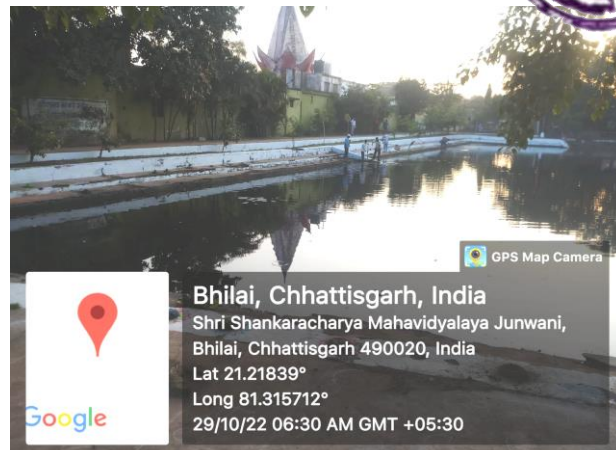
**The Practice:**

Deen Dayal Upadhyaya Sarovar is one of the prominent ponds of township. The majority of residents have religious connections with the pond, as they perform worships & many rituals at the shore. Moreover, the pond also provides opportunities to a number of street food vendors and stalls for their income by the visitors. All the factors add-up to the conclusion that the pond has a value of its own.

Keeping the significance of the pond in mind, SSMV took initiative in January 2022 and adopted the pond responsibly. Since then, every Saturday morning is practiced as cleanliness drive around the pond considering the act as social responsibility of the college. The initiative is heartily welcomed by the local residents and housing societies and they started contributing to the same. Adding to this, the cleanliness drives were oftenly accompanied by plantations as well. Moreover, SSMV has installed murals in the fencing all across the pond.

The outcome of the efforts of past an entire year came in form of comparatively less polluted pond & a mass of aware visitors who keep in mind the importance of pond.

**Evidence of success:**





**Link to access photograph(s):**

<https://www.facebook.com/ssmv.bhilai/posts/2684993614980283>

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**Problems encountered and resources required :** Adopting a pond was something new to the college, because cleaning a pond may lead to face a number of unpredicted problems. Initially the local residents felt somehow shy interacting with the college staff. As the time passed, people started joining the drive. Except the introvert behaviour of the residents, taking care of the pond added new positive experiences to the college.

