

ANNUAL REPORT 2019-2020

The school started its 25th academic session on April 1, 2019 with classes from Pre Nursery to class 12. There was new hope, new energy which was evident in all students and teachers, and as usual the HSMS vision of educating children to be the global citizens with virtues of compassion, empathy to be imbibed along with academic excellence.

A synopsis of the year 2019-2020 that went by:

1. Academics:

- The school year was well planned and divided into two semesters. Syllabi of all classes with timeline for completion of the contents were planned well ahead of time with HODs.
- HODs along with Class Coordinators monitored the performance of the students.
- Experiential learning with art integration in all subjects were introduced which really brought in major changes in the teaching learning environment in the school. But we expect to do more work, conduct workshops for teachers, mentor and monitor so as to really transform the teaching pedagogy.
- Teachers took the initiative to conduct outdoor based activities with an integrated approach like nature walk, identifying and collecting plant samples, writing an autobiography of a tree etc.
- Hands on activities were performed in each subject like sandwich making, preparation of salads, simple experiments on science and mathematics, word games etc.
- Role play, dramatics, creative writing were an essential part in language teaching.
- Teachers were innovative in the class rooms and developed new ideas to keep the class engaged in the learning process.

2. Assessments:

- Regular formative assessments were conducted for all classes for monitoring their learning progress.

- Clarifying the concepts, taking re-tests and establishing a strong foundation for learning was the basic aim for all such assessments.
- Students showed a graded improvement in formative assessments, periodic assessment and term end examinations.

3. Achievements (Classes – X and XII):

- AISSE – 2019 – 100% pass results, Average Aggregate Percentage – 86.47% , 49.2 % students secured 90% and above.
- AISSCE- 2019 – 100% pass results in Science, Commerce and Humanities, Average Aggregate Percentage 84.29%. 38.0 % students secured 90% and above.
- Soham Mistri & Shaswata Dutta – State Rank 3rd and 4th respectively in AISSCE.
- Soham Mistri , Koustav Sen & Subhajyoti Ghosh – 1st , 3rd and 10th Rank respectively in WB-JEE.
- Students have qualified in different competitive examinations like JEE (Main), JEE Advance, NEET, WB-JEE, CLAT and the like. The students who have graduated Class-XII have joined premier colleges and universities in India and abroad.

4. Other Achievements:

- 11 students of class – X, pursuing class – XI in 2019-2020 qualified National Talent Search Examination. –
1. Rishav Mondal 2. Dipayan Dutta 3. Arindam Maji 4. Arghya Mondal 5. Partha Pratim Paul 6. Ayush Ramteke 7. Saptarshi Pandey 8. Mainak Khan 9. Subhasree Ghosh 10. Aditi Swain 11. Debparna Biswas.
- 15 students of class – XI in 2019-2020 qualified Kishore Vaigyanik Protsahan Yojana – 1. Aritra Chakraborty 2. Debparna Biswas 3. Soubhagya Khan 4. Ratnadeep Ghosh 5. Md. Tausif Sheikh 6. Saptarshi Pandey 7. Subhasree Ghosh 8. Ayush Ramteke 9. Abhik Halder 10. Mainak Khan 11. Dipayan Dutta 12. Agnibha

Bhattacharya 13. Aditi Swain 14. Mayukh Banerjee 15. Arindam Majhi

- 6 students of class – XI were awarded with Jagadish Bose National Science Talent Search Scholarship- 1. Dipayan Dutta, 2. Soumyadeep Roy, 3. Ankan Sen, 4. Indrajit Das, 5. Anushka Chatterjee, 6. Diptesh Karmakar
- Ayan Goswami of class-XI has qualified for the Indian National Astronomy Olympiad. He has also qualified in Regional Mathematics Olympiad and participated in Intuitional Mathematics Olympiad.
- Students have excelled in SOF organized National Science Olympiad –
 - Indrasish Dutta of CI-IV secured International Rank 2nd.
 - 7 students secured International Rank within 100.
- Students have excelled in SOF organized International Mathematics Olympiad –
 - Indrasish Dutta of CI-IV secured International Rank 7th.
 - Saikat Debnath of CI-VII secured International Rank 3rd.
 - 7 students secured International Rank within 100.
- International English Olympiad Performance –
 - 10 students have secured zonal rank within 50.

5. Making of Budding Scientist –

- Sneha Bhattacharjee and Writam Naha of CI-VII participated in state label National Children Science Congress on 21st September 2019 and presented project on Electricity Conserver using LDR and PIR sensors.
- 2 of our student of CI-IX Shreyon MUKherjee and Debjit Banerjee qualified for the National Label CBSE Science Exhibition. Their topic was resource management and they exhibited a model on reusing, recycling and recharging water through artificial intelligent in car washing centre

- Science Exhibition with the theme “Innovate to Differentiate” was organized on 30th November 2019 by students from classes III to IX and XI. The students actively participated to exhibit their working models related to Science and Social Science like water level indicator, layers of soil, blood transfusion alarm, terrace farming and many others.
- A research project on Electricity conservation at home automation initiated by Rabindra Protima Research Institute team had been recognized by Institute of Engineers of Durgapur Chapter.
- Students participated in different science fairs and won appreciation –
 - Sagnik Rath and Asmeet Chakraborty of CI-VI bagged the 2nd prize in science exhibition held at Durgapur
 - Sampuran Banerjee of CI-VIII has been invited by the International Conference for Material Science and Nano materials 2020, University of Cambridge, UK for the oral presentation on project entitled ‘Uniform distribution of nano particles using ultrasonic’.

6. Developing physical and mental fitness through different sports activities.

- Students from Class – I to XII are given morning one hour time to meditate, practice Yoga and aerobic exercises.
- Outdoor games like Kho kho, football, cricket, volleyball, basketball and athletics are being offered to students.
- Indoor games like table tennis, carom, basketball are being offered to the students.
- Chess is being taught from classes II to V.
- Taekwondo is taught to girls from classes VI to VIII.
- Indoor Swimming pool offers training within school hours for students from classes II to VIII

- Extra coaching in evening through expert coaches is being offered to the students in table tennis, carom, basketball, swimming, cricket and football.
- Regular inter class, intra class and inter house competition are held from Classes II to XII throughout the year to enthuse them in participation in sports events.
- Annual Sports Day was conducted on 16th November 2019 where students from Pre-Nursery to Cl-XII participated with full zeal and spirit.

7. Achievement in Sports –

- Rishika Roy of Cl-XI one the 2nd position in Asian Classic Powerlifting Championship held in Kazakhstan from 2nd to 8th December.
- Ishan Halder of Cl-V is the champion in Under 11 and 13 years boys singles in 42 Paschim Bardhaman District Badminton Championship 2019.
- Anurag Purokayastha of Cl-VII secured 2nd position in District in Open Air Rifle Shooting competition.
- Sreejita Biswas of Cl-VI won the 2nd position in 45 Paschim Bardhaman District Yogasana Championship 2020
- Souradipta Bhattacharya of Cl-V won gold in Birbhum District Karate Championship.
- Shreya Singh of Cl-VII became Champion in Under 13 girls single event in West Bengal Sub-junior and Junior State Ranking Badminton Tournament
- Sujoy Gorai of Cl-VIII bagged silver and bronze medal in the 9th West Bengal State Athletic meet 2019.
- Sujoy Gorai participated in 100 mt. and 200 mt. in CBSE Cluster –I held in Chhattisgarh on 27th September 2019 and won gold in 100 mt., 200mt and best athlete award in Under 14 category.
- A group of student participated in Taekwondo cluster meet conducted by CBSE in category under 17 boys and girls. Jhilam Paramanick of CL-IX secured the gold medal and qualified for

the National level. Khusi Yadav of CL-IX and Amritanghsu Paul of CI-VIII secured the bronze medal.

8. Development of 21st Century Skills

- Music, Art, Value Education, Life Skills are given due weightage in our school curriculum. Regular classes are being held and period has been assigned to groom the students.
- Inter house debate, elocution, recitation, singing, orchestra, painting, poster making competition are being held for holistic development of students.
- Celebration of different festivals by students from different grades is an internal part of our calendar. This helps the students to understand the diverse culture and tradition of India.
- Celebrations of important days like World Health Day, Earth Day, Environment Day, Children's Day, Teachers' Day are also incorporated in our academic calendar.
- Republic Day and Independence Day is also celebrated with much enthusiasm by the students. Dance, Music, Speeches are performed by the students which help to develop in them Patriotism.
- Students pay their respect to our different spiritual and national leaders by conducting special assemblies on Swami Vivekananda Birth Day, Rabindra Jayanti, Gandhi Jayanti, Netaji's Birth Day and many more.
- Student council headed by School Captain Atrayee Set of Class – XII assists the teachers and the Principal in monitoring discipline and coordinating cultural programmes. This helps to develop the leadership skill.
- Food Fest was organized by Class – VIII to grow an awareness in students on healthy food habits. The students learn to manage food stalls, distribute foods among students, collect money and arrange all the nitty-gritty of the fest.

- Regular seminars by experts are being held in different subjects like addressing mental health issues, exploring career options, relieving stress in children.
- Dr. Soumitra Sengupta, Senior Professor and Dean of Academics, Indian Association for Cultivation of Science conducted seminar for Classes X to XII to enthuse students for pursuing research in Basic Sciences.
- Principal, Vice Principals and teachers conducted enriching workshop with different grades of students on – Developing resilience in school children, gender sensitization, good touch and bad touch etc.
- Educational trips are conducted to inculcate in them the spirit of confidence, independent thinking and managing one own self.
- Students from classes III to XII are taken for a day trip to Protima Child and Woman Development Centre, to interact with tribal students, see the tribal village and realize the power of sharing and caring. This gives them an exposure to understand the other side of life.
- 24th Founders Day was celebrated on 29th December 2019 in presence of the chief guest Mr. A.V. Kamlakar, CEO, ISCO Steel Plant with additional charge ASP & DSP and special guest Dr. Madhuri Manpadi, Asst. Prof., Drury University, USA. The programme was dedicated to Pandit Ishwar Chandra Vidyasagar on his 200 birth anniversary and Mahatma Gandhi on his 150th Birth Anniversary.
- INSA Fellow Lecture Programme: Indian National Science Academy organized a three day enriching seminar, first of its kind in Durgapur in collaboration with Hem Sheela Model School. Prof. Amitava Ghosh, Former Director IIT, Kharagapur, Prof. Ashok Kumar Mallick, Former Professor IIT, Kanpur, Prof. Sushanta Dutta Gupta, Former V.C. Viswa-Bharati, Santiniketan, Prof. Suman Chakraborty, Prof. and Dean of Sponsored research and industrial consultancy, IIT Kharagpur presented enlightening lectures on

Physics and Mathematics. The students from 14 schools also participated in this seminar.

- Debate competition is being held in school and also students of HSMS participate in different activities which mark the celebration of Vigilance Awareness Week.

9. Developing respect for nature -

- Earth Day, Environment Day is celebrated in school with zeal and enthusiasm.
- Various programmes like cycle rally, walk a mile, distribution of paper bags have been conducted to promote awareness among the communities.
- School has been declared as a NO PLASTIC ZONE and teaching, non teaching staff, students and parents are being made aware of plastic menace and how to reduce the use of plastic.
- Huge plantation drive has been taken up in the school and also outside of school premises.
- Van mahotsav was also celebrated in the school with students planting saplings to make the school greener and cleaner.
- Students are being constantly encouraged to plant a tree in their neighbourhood on their birth days.
- School has also taken up the initiative to promote 'Green Earth' by presenting a sapling to all achievers of the school and guests during Felicitation Programme and Founders Day

10. HUB OF LEARNING activities –

- Hem Sheela Model School is the Lead Collaborator School for Hub of Learning WB-0643.
- Different activities were taken up all the members schools – Guru Teg Bahadur Public School, Durgapur, Gayan Bharti School, Raniganj, Priyodarshani Public School, Kulti, DAV Public School, Rupnarayanpur, Durgapur Ispat Vidyalaya, Durgapur.

- Teachers and students benefited from this common platform where they share their best practices, collaborated and mentored each other.
- Some activities taken up – 1. Book reading challenge to promote reading habit. 2. Characterization, narration of the story to improve their communication skill. 3. Students and teachers participated in science seminar at HSMS and cyber security workshop at GTBPS. 4. Teachers training programme on development of resilience in school children at HSMS. 5. A workshop for primary teachers on inclusive education at GTBPS. 6. A visit of students from all HOL schools to tribal school and Khadi Centre. 7. Participation in Annual Sports Day in each school. 8. A maths workshop for teachers for primary and middle school teachers at GTBPS. 9. Participation in language festival conducted by GTBPS. 10. Development of e-magazine.

11. Service to Humanity

- Protima Child and Woman Development Centre, Khatguria is a mission of the founders of the school to reach to the under privileged section of the society.
- The tribal school which grooms students from classes Nursery to class – X saw a phenomenal success when 1st batch of 9 students passed class X examinations from WBBSE. They are the 1st generation learners and all have enrolled for higher studies.
- An unit of PCWDC Panchanan Kumar Khadi Production Centre was established in collaboration with West Bengal Khadi and Village Industrial Board. 50 tribal women spin khadi yarn and earn handsome wages which has improved their standard of living.
- Tribal school students for the first time organized a science exhibition at Khatguria and presented wonderful hands on activities project which is really unparallel. They also participated in the science exhibition held at HSMS and received due appreciation.

- This entire programme at Khatguria offers an invaluable learning experience to students of HSMS to understand a diverse cultural background.
- School organises different community outreach programmes with students so as to develop in them a sense of equality, empathy and compassion.
- Students collect different food items, books, pencils, old clothes, baby food, toys, detergent etc to distribute among the needy people in different ashrams.
- The students of Class VIII collected money from Food Fest which is again donated for a charitable cause.

12. Sister School Relationship with Drury University – Fusion of East and West.

- A strong sister school relationship exists with Drury University, USA from where regular exchange of faculty, staff and students take place.
- Dr. Madhuri Manpadi with two education majors from Drury University visited the school as a part of 'Drs Rabindra and Protima Roy Endowed Scholarship Fund' for global experiential learning. They interacted with students, performed small research projects and demonstrated various experiments to enthusiastic students of Hem Sheela.

13. January 14, 2020 – A spiritual awakening session with Swami Vedatitananda from Ram Krishna Mission, Belur Math was conducted for students and teachers to mark the initiation of Silver Jubilee Celebration of HSMS. The students were enriched and they listened attentively to each of thoughts shared by Maharaj on instilling self discipline, philosophy of Vedanta to discover oneself and to develop faith in oneself.

Overall, a very productive year for students, teachers and all the stakeholders of the school .