Computer Science & Engineering Information Science & Engineering

Computer Engineering

Mechanical Engineering Automobile Engineering

Electronics and Communication Engineering Electrical & Electronics Engineering

Bachelor of Engineering:

(Artificial Intelligence & Machine Learning

M.B.A., M.C.A., M.Tech.,

Ph.D., M.Sc., (Engg)

Computer Science & Engineering

JEE ADV/JEE MAINS/NEET CA-FOUNDATION Z LEARNING A MONTHLY NEWSPAPER FOR THE STUDENTS AND BY THE STUDENTS

Bangalore, DECEMBER 2020

CMM/BHE/DECL/NPP - 230 / 10 / 2033



SESSION 2021-22

Registration forms for admission for the academic year 2021-2022

will be available on the website: www.nhps.in

Parents seeking admission for the same are requested to register online from: - 20th of November to 31st December 2020 for Nursery and LKG.

- 15th December 2020 onwards for UKG and above.

- Registration Fee: ₹500/-Completed registration form along with the following documents must be

submitted online along with:

- The latest passport size photograph(size less than 100KB in JPEG or PNG format) - Scanned copy of the birth certificate of the child (PDF format less than 1 MB)

- Scanned Copy of child's Aadhaar card (PDF format less than 1 MB) The date of interaction will be intimated by the school

NOTE:

-The child should have completed 2 years 9 months as on 1st June 2021 for

admission to Nursery. For other classes the corresponding age will be considered for admission. -The first priority is for siblings and alumni -The numbers of seats available are limited. Admission granted on MERIT only

Email: admissionsnhps@newhorizonindia.edu | Website: www.nhps.in

-Admission open for Nursery and LKG -Admission to UKG and higher grades is subject to vacancy

CONTACT

080-2526 1735/2526 1021 9880282215 (Pre Primary), 9632755225 (Grade 1 & Above) 100 Feet Road, Indira Nagar, Bengaluru, Karnataka 560008, India

124/2, Bhoganahalli Main Road, Bellandur Post Bangalore 560103 - India

Ph: 91 9900087732, 6364912810/11

Admission Circular

YEAR 2021-2022

FOR PLAYGROUP, NURSERY, LKG AND UKG FOR THE ACADEMIC

Registration forms for admission for the academic year

downloaded from 5thOctober 2020 onwards from the

2021-22 for PLAYGROUP, NURSERY, LKG& UKG can be

the application form.

Dear Parents, Hari Om!

website www.newhorizonvidyamandir.in Filled in registration forms can be submitted at New Horizon Vidya Mandir or submitted online to the following email ID: principal@newhorizonvidyamandir.in

Parents are welcome to visit the campus after submission of

Timings: Monday- Saturday: 10.00am to 2.30pm An Interaction/online interaction with your child will be

Admissions will be confirmed on a first come basis.

Please submit the filled in registration form with the

The latest passport size photograph of the child

conducted commencing from 29th October 2020.

following enclosed: 1. Photocopy of the birth certificate

The child should have completed 1 year 10 months on 1st June 2021 for admission to Playgroup. For admission to

Aadhar copy of the child

will be considered.

Fills us with delight,

Here comes a festival

And be loved,

To celebrate the victory

During these dark times,

Mrs. UshaVasudevan Principal-NHVM **WISHING EVERYONE A VERY HAPPY DIWALI.** With a pure soul and mind Beautiful sweet light

In your hearts

Nursery, the child should have completed 2 years 9 months

on 1st June 2021, for LKG and UKG the corresponding age

Is what the occasion is all about. Of good over evil. This is the season to love

apparels,

Childhood is all about the age of innocence. As the time passes

and the children grow older year after year, it is this innocence

that diminishes little by little. We celebrate this childhood every

year on 20th Nov as International Children's Day. Children

enjoy the reversal of roles, wherein they get to see their

teacher in another light itself. This year, teachers of Pre-

Primary became actors in a light comedy drama, which showed

a fictional scenario at home and school as and when the

school re-opens post Covid. Instead of the children dancing to the tunes of their teachers, they saw their teachers taking over

the dance floor with a medley of dances. The nightingales of

pre-primary sang beautiful renditions of a mix of songs, which

Children were treated to an array of games, which they whole-

heartedly participated in and enjoyed thoroughly. With the celebration being done virtually this year, at no time, was the

spirit of enthusiasm of the children, minimized in any manner.

"Where there is a will, there is a way", so goes the saying. The

pandemic, virtual classes, digital mode...nothing could stop the

teachers from enthralling us with their scintillating

Children's day was filled with cherishing performances by our

teachers. The program started with New Horizon's tradition of

an invocation performance. It was a beautiful dance by Ms.

performances, making us feel how important we are to them.

were soothing and mesmerizing.

Virupaksha.

Even the more glamorous.

The colourful rangolis,

Diwali is the festival of lights. In the south, it marks the

Diwali

marks the return of Lord Rama, Devi Sita and Lord Laxmana to Ayodhya after their victory over Ravana and a 14-year exile issued by Queen Kaikeyi. There are many stories associated with Diwali. In every part of India, a different story is associated with the same festival. For some others, it marks the beginning of a new year. Like every other event this year, Diwali wasn't the same. It took a virtual turn too!. Many people celebrated what is known as 'green Diwali' which meant not bursting

victory of Lord Krishna over Narakasura. In the north it

crackers. Many deliberately refrained from buying china made lights to decorate their houses. A lot of us spent Diwali with our families within the safety of our houses. Sweets were made at home.

Our Diwali was a subdued event due to the absence of guests. My sister and I wore new dresses on this day.

Wearing our masks and gloves, we went to a few houses

within our apartment to distribute home-made sweets and share the joy of the festival of lights. Diwali like other festivals wasn't as grand as last year, but I did enjoy celebrating this festival with my family. Helping my parents decorate the houses with lamps and

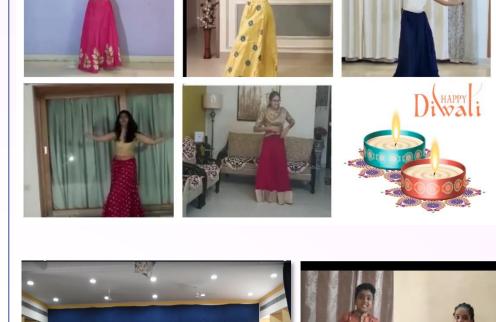
lights, and making sweets for the festival proved to be extremely interesting and fun. All in all, this Diwali was different, and the best. Hope you enjoyed your Diwali too.

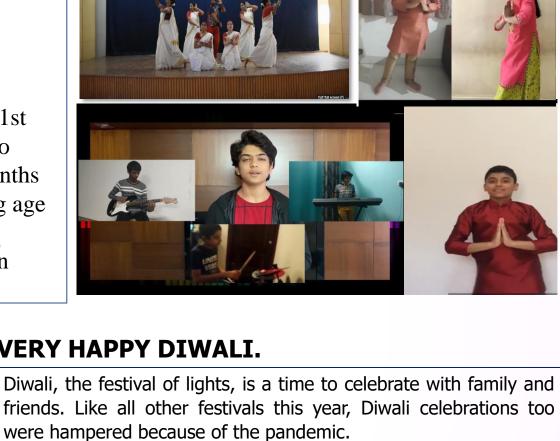
A GREEN DIWALI

Festivals are occasions to revel in the happiness of the

festivities. Uniforms gave way to colourful attires, which created a splash of colours in the class on 12th

November, when pre-primary celebrated Diwali. Children understood the significance of the Diwali celebration over five days in various parts of India. Story-telling has always been welcomed with excited eyes and bated breath. The story of Ramayana enthralled listeners for sure. Children enthusiastically created beautiful pieces of craft in the form of lanterns and rockets. How can Diwali be complete without the tradition of making sweets? The highlight of the Diwali celebration was the making of the coconut laddoos. A yummy end to a delightful day of celebration!





enjoying a fun filled evening with their friends. At New Horizon The dazzling light Public School, we value the special bond between the students With the burning oil, and us. In order to make Diwali memorable for our children, a

A time when all are one. It's a time for bliss With a prayer on your lips And love in your hearts.

Make this festival of lights

And people dressed in beautiful

Carrying the blessings and love

From our elder and dear ones,

Enjoying the spirit of mirth,

competition, #DiwaliWithNHPS, was conducted for the entire family. We pray that the divine light of Diwali, spread into your life prosperity, happiness and good health. **INTERNATIONAL CHILDREN'S DAY – 20th November** How can a children's day celebration be complete

without emphasizing on values! Our Values Plus teachers

imparted a mix of stories and shlokas to make us realize

the "Nine Gems" or "Nine Values" of life. The program

got even more interesting with a group song by our

lovely senior division teachers which was followed by an

avid dance performance to Hindi and English pop songs

by Mr. Lucky and team. Theja Sir enthralled us with his

We were surprised by a mix genre by Ms. Mrudula

mellifluous playing of the keyboard.

The Diwali dinner hosted by the management for the students of

standard VI to X is an annual event eagerly awaited by all. The

closure of the school due to Covid 19 deprived the students from

specially crafted Diwali gift hamper by Renaissance was given to

each student. In order to make Diwali truly special, a fun filled

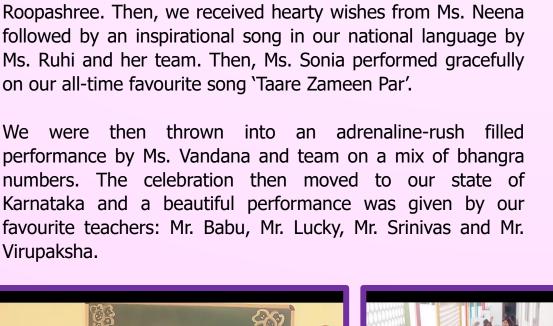
where she took us from melody to rap. It was a superb performance indeed! The most unexpected performance was by Lucky Sir. He took us outdoors virtually with his excellent performance of 'Kisi Ki Muskurahton Pe Ho' from 'Anaari'. Our teachers know what we truly want. They proved it

primary and pre-primary divisions teachers. All we can tell our lovely teachers is: "Our love for each other grew stronger!" Thank you, teachers! Sandhyaa Ramesh 8C

once again by sharing our dreams too- a fun filled skit on returning to school. How we wish dreams come true! While we were still experiencing mixed emotions after watching the skit, we were once again delighted by a group dance performed by Ms. Ruhi and team. They grooved to 'A beautiful day". We were really impressed by Radha ma'am's poetry- a poem dedicated to our feelings of returning back to school. The day ended with a mash up of an energizing Bollywood dance by our









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A SHORT NOTE ON DUSSEHRA 2020

Dussehra also known as 'Navaratri' is a festival which showcases the diverse cultures of the Indians in the most beautiful manner possible. In each part of India, this festival is celebrated differently, signifying the various cultures and traditions of our rich country. Given below are the traditions followed in south India.

It is usually celebrated during the autumn season. This festival like almost all other festivals in India signifies the victory of good over evil. This festival is celebrated for Nava-ratri or nine nights.

Every year, a stand of dolls is arranged. The racks are filled with different dolls; each one containing an ancestry of its own, not to mention its incredible story.

The number of steps placed is usually odd numbers up to 9 signifying the nine nights of the festival. 1, 3, 5, 7 or 9 are the optimal numbers for the stand.

The top most rack consists of the idols or mud figurine of the primordial gods and goddesses.

The bottom most rack consists of humans and non-living mud figurine called 'manushotamaru'.

In the bottom-most rack, the famous 'Chettiyar's stand' is present. Chettiyar was a famous trader and merchant in the

olden days. His skill was so well known that it is remembered till date. It is a tradition to place the 'Chettiyar's stand' at the bottom of the 'golu' or the doll stand and honour this memory. It is

Every year, friends are invited home and given something called the 'Thambula'-a return gift for visiting the house

During the night nights, nine different 'naivedya' or offering to god is made using the 'navadhanya' or nine pulses which is also known as 'sundal' commonly.

Like every other event this year, even the Dussehra was a very subdued one. No guests came home, no songs were played in honour of 'athithies' or guests. This is one of the festivals I looked forward to the most but this year it didn't even feel the same.

All in all, this extremely marvellous festival of dolls was rather boring this year, which just shows us how people make a difference in our lives. We truly are social beings.



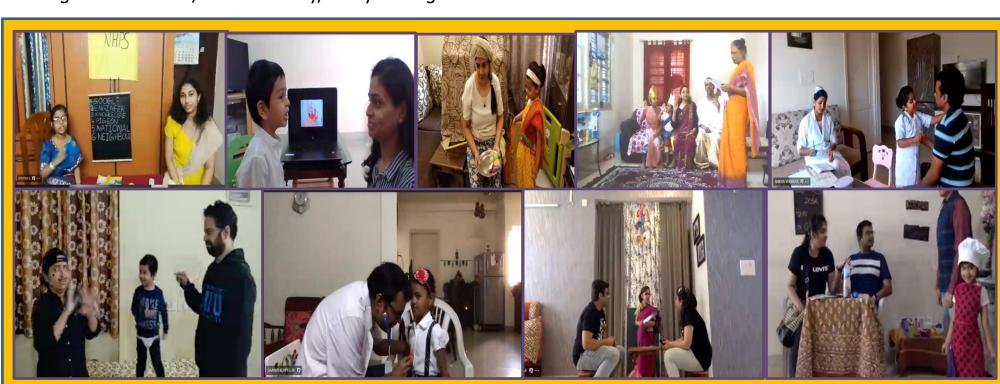
A picture of the 'golu' at my house this year

Sruthi R 8C

HUNGAMA – FAMILY COMEDY – 7th Nov

also optimal to place him with his entire family.

A bit of comedy which gives us a reason to laugh always brightens up an otherwise dull day. With the fear and anxiety of the Corona virus, this year has been a year of caution and care. We, at NHPS have given families an opportunity to keep all their worries aside for a little while and spread the spirit of humour all around. It was truly heartening to see grand-parents also being a part of this competition. The enthusiasm of the parents in creating comic situations with funny dialogues along-with well thought of costumes, made this day, a day of laughter and fun.



Best out of waste – COVID 19

FANCY DRESS COMPETITION – 23rd November

Dressing up is always fun at whatever age. With Corona taking over this year, our theme for this competition was

Best out of waste-Covid-19. Parents' enthusiasm and creativity was at its hilt with children wearing costumes made out of newspapers, cds, representing masks, vaccine, Corona virus, Diwali decorative items and many more. Children had creative costumes to display, beautiful words to describe their costumes and meaningful messages to

convey about Covid-19. Young minds aware of the current scenario, spoke volumes of how this generation is abreast and well-aware of their environment amid this pandemic.





BIRDS



But they fly away when I am burping! Many of them live in nests,

And none of them are pests. There are different kinds of them

They like to perch on a stem. I am talking about the birds which fly,

They are the singing queens of the

sky!

Every fall has a bright side; so does the pandemic.

ON THE BRIGHT SIDE

The lockdown might seem to be a period of separation and isolation from the rest of humanity itself.

The lockdown might seem as the destroyer of the economy.

The lockdown might seem to be a harsh but a safe bubble from death. (in this case the virus)

But...on the bright side,

Nature needed peace.

The lockdown is helping mother nature heal. The lockdown is helping us explore our inner-selves which we had not been able to do

due to our stressful lifestyle. The lockdown gave us a break from our hectic and monotonous lifestyle.

The lockdown took us away from the urban influence to a much deeper and peaceful

place even if it seems to be boring. It helped us bond with our families, who despite being in the same house rarely interact

due to their busy schedules.

It helped us find ourselves, it helped mother nature revive, it helped us in many ways. The lesson, that nature teaches us, in its own hard way is that, we needed a break.

The lockdown served a purpose, much larger than that we thought it did. That was we finally had a break. So, the next time we face our respective responsibilities,

we'd do it with renewed interest and vigour.

It is certainly the beginning of something better and bigger. Hopefully!

Sruthi R

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MY BOOK REVIEW









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THE ADVENTURES OF THE WISHING CHAIR

During the lockdown, when we were all stuck at home, I started reading books. All types of books. One of the books I read was "THE ADVENTURES OF THE WISHING CHAIR" by Enid Blyton. I wanted to share a summary and my review of the book with you all. So, here we go!!!

Once, there were two children called Peter and Molly. On their mother's birthday, they wanted to buy her a gift. After much thinking they went into a shop called 'ANTIQUES' as their mother liked old things. They went into the shop and started looking for a suitable gift. Soon they got tired. They sat on a big old chair and wished to go home. Suddenly, the chair grew wings and flew out of the window and soon they were in their playroom at home. That's when they understood, that it was a 'Magical Chair'. With the Wishing Chair, they went to different magical lands. Once, they went to a Giant's Castle. When they went into the castle, they saw a giant who was always very rude and cruel to his servant Pixie, named Binky. They wanted to save the pixie and so they rushed into the room, caught hold of the pixie's hand and ran out. Before the giant could catch them, they sat in the wishing chair and wished they could go home.

One afternoon, children and Binky heard that they had been invited to a Magician's Party. They were very excited. They leapt on to the Wishing Chair and reached the party. First, they were served delicious food and then the Magician started his tricks. For instance, there was a fish in his hand, which he kept in his pocket. When he took out his hand, the Fish DISAPPEARED!!! Then he went to Peter, put his hand in his ear and HEY PRESTO!!!!! the fish came out of Peter's ear. Another time, they were kidnapped by a bad witch called KIRI-KIRI. She kept them in a garden. They were so scared that they started sobbing, but they soon found their Wishing Chair. They sat on it and flew home. Once, a Goblin made the Wishing Chair 'INVISIBLE'!!! So, they went to a good witch called WITCH SNIPPET. She gave them some magical paint. The kids had tied a ribbon on the chair and that was their clue where they had to paint. So, they started painting the place where they could see the ribbon and soon the CHAIR became visible again. Finally, they were back home.

I really enjoyed reading this book and found it really adventurous. I liked it especially because I could imagine going on all those magical adventures sitting in my bedroom and that too during lockdown. If you want to know about the adventures that took place in the book, then you must read it. I am sure you too will love going on a magical journey.

Harini Sashikiran II D THE BOOK AND MY PU

A SMALL TALE



She strode forward grimly; the purple cloak bellowing behind her. The setting sun made her bronze war armour look pale golden. Her boots left deep grooves in the sand because of its various hidden knives. Her body was a mapwork of battle scars. Some old, some new. Some big, some small, some tied up, some still open and bleeding. The wind was howling around her carrying sand, dust and various bits of oddities. She didn't mind. Had it been before, she would have rushed home realizing that a sandstorm was fast approaching and she would have told her fellow citizens to do the same but now...what's the point? There was death all around her- her loved ones, friends, enemies, families- all were lying on the ground, scattered. Their warm, kind bodies were cold and stiff. Their mean and cruel bodies were motionless. Everyone, every single one who had taken part in this devastating war was dead except her. "Except me...I'm all alone", she whispered softly as if scared to awaken the peacefully sleeping dead. She walked around the battlefield bidding each and every dead a good sleep not caring if they were friends or enemies. Death is the same to all, it doesn't discriminate. Her chest racked and yearned for a release of tears. Her body, cold and stiff almost like the dead, was waiting for a warm touch and a word of comfort. Now wasn't the time for grief to show; now was the time to bid farewell. That's when she passed him. Her lord, her master, a father figure to her. He had placed all his trust upon her. He had given the cavalry to her with the belief that she would lead them to victory. She had, hadn't she? She won the war but...but there was no one left to rejoice. No one...no one all alone. "Rest in peace my-" her voice caught, inhibiting her from finishing the words 'my lord, my godfather'. She swallowed back the grief and said "rest peace my godfather...my lord" She suddenly remembered the conversation that she had with a wizarding old wise man a few years ago 'are you really alive if no one remembers or knows you? If no one knows of your existence?' At that time, she had ignored him calling those words 'madness' and went her way but now...now the meaning of his words struck her like a ton of bricks..."No," she whispered "No, you are not really alive if no one knows about you. You are like a speck of dust, a ray of sunshine, a grain of sand which doesn't exist for us...lost in the sea of lives, just another life...when you matter no more then you are no more" Another thing that he had said she remembered "Is there really something called good and bad, evil and pure or is it just our perspective and its variations?" Again she had dismissed these words as an old man's blabber but now...she understood. "No there is no good or bad; pure or evil, it's just what we believe. Today, our enemies fought for what they thought was right and we fought for what we thought was right. In fact, neither of us were right nor wrong". When this harsh truth came upon her, she realized with a pang that all the death and destruction had been for nothing. "Nothing at all". She fell to her knees in the sand. The wind raged and thundered around her. She was in the middle of a sandstorm, the 'eye of the sandstorm'. The world raged around her but the place where she sat was peaceful. "A nice place to die", she thought and closed her eyes with a smile playing upon her scarred face.

Sruthi R 8C



ongratulations



We to are proud announce that Amodini of grade 9 won the AITA (All India Tennis Association) Girls Under 16 Tournament held at **Tennis** Transform Academy, Bangalore on 13th December, 2020.

Congratulations!!!



Arshia of grade 2E secured the 2nd prize in the National level Classical Dance Competition conducted by



Lakshanya N of grade 2 B bagged three medals in the ISKCON Heritage Fest. The details are as follows:

- 1st prize in the State level Classical Music
- 1st prize in the State level
- **Greeting Card Making** 2nd prize in the State level



DHRUVIKA DIVVELA of grade 4 C secured the 1st prize in the State Level Classical dance competition conducted by ISKCON.







Old desktop specification

- ♦ We had an old desktop PC which my father built during 2014, the specifications of the
- old PC are below
- ♦ Processor: AMD A10 (Kaveri APU), 4 core configuration Mother board: ASUS A88X-gamer mother board
- ♦ Memory: 4 GB DDR3 (later upgraded to 8 GB)
- ♦ Hard disk: SATA disk 500 GB ♦ No separate graphics card
- ♦ At that time, we went to SP road electronics market & bought the components and built

Since this PC was very old, slow and had lot of problems, we decided to upgrade

New desktop specification

We wanted to build a new desktop that will last for next 4 years, so decided to go for high end configuration

♦ CPU – AMD Ryzen 9 3950 high end gaming CPU (16 core CPU) Graphics card – AMD Radeon – Sapphire Pulse **5700 XT** Mother board – Gigabyte Aorus Pro X570 Wifi mother board Memory – G Skill DDR4 memory **32 GB** (16X2) @ 3200 MHz

Building

Desktop PC

Deepan Raj, X-C, NHPS

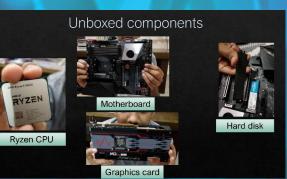
- Hard disk Crucial NVMe **1 TB** CPU cooler Cooler master ML 240 AlO liquid cooler Cabinet – H500 cooler master cabinet
 Power supply – NZXT C750 (Gold / modular) power supply
- ♦ Help received from
 ♦ Dad (Director for CPU design @ AMD)
 ♦ Tom's hardware website
 ♦ Youtube videos (specifically for CPU cooler installation)



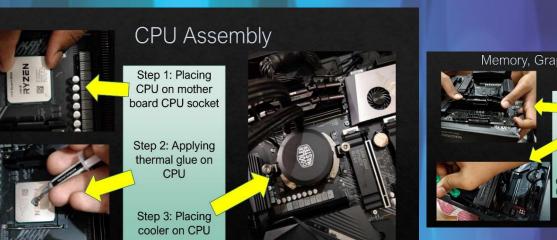
Component box

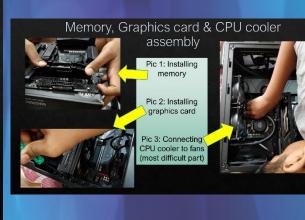
pictures





- Memory G Skill DDR4 memory 32 GB (16X2) @ 3200 MHz
- ♦ Hard disk Crucial NVMe 1 TB ♦ CPU cooler – Cooler master ML 240 AIO liquid cooler
- Cabinet H500 cooler master cabinet ♦ Power supply – NZXT C750 (Gold / modular) power supply







Powering on

- $\ensuremath{\diamond}$ I was thinking we'd have forgotten some wiring or the other. But it worked first time when we powered on, jussssstttttttttttttttttttunbelievable.
- ♦ First time power on video here: https://youtu.be/xinU3oqN7tQ
- ♦ Installed windows 10
- ♦ There were few issues with graphics driver, green screen issue & sudden re-boot; after trying out few versions, Adrenalin 20.7.2 (graphics driver version) seems to have fixed the issue.
- ♦ It took totally about 4-5 hrs for unboxing, assembling and installing

Our installation experience / tips

- 1. We used the radiator fans as exhaust and mounted on top of the chassis a. Some of the experts / youtubers suggest installing the radiator fans first and the CPU pump later, but I found the other way easier b. Installing the CPU pump was the hardest part; so you should have lots
- 2. Suggest installing graphics card last and be very careful with the PCIe lock tab; I almost broke the lock tab when I tried to take the card out
- 3. Installing the Hard disk was straight forward; but we took some time to get the screws right
- 4. RGB is nice to have, but it comes with lots and lots of wiring; It added some fun and excitement



completing the installation of all components and successful power on

♦ Even though buying a laptop would have been easy and less work; but building a desktop PC from scratch was a great experience. I learned a lot during this exercise.

♦ I recommend everyone to experience this if

Neelesh 4E

STUDENTS' CREATIVE CORNER





Prisha B 5 B



Shreyansh Pal 2 D



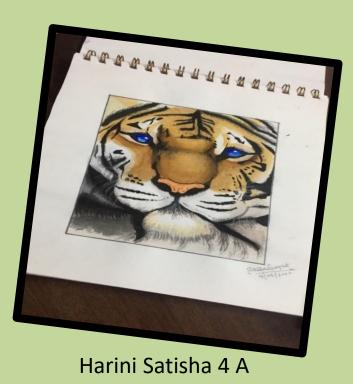
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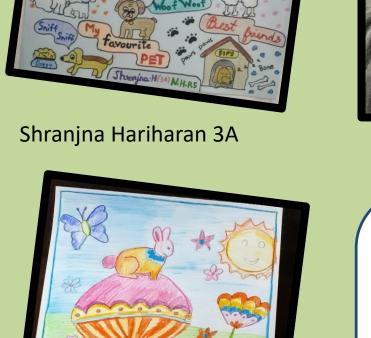


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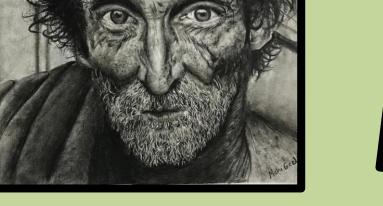
Mahi Gadi 9 C







Lakshmi Sahasra 5 B



Ananya Rao 3 D

BEHIND THE SCENE

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