

From the Desk of the Editor

It is my great pleasure to bring forth the 2nd edition of the PS-I Chronicles. This edition features over 1800 articles from PS-I students sharing their experiences during summer 2020.

The basic premise behind the release of PS-I Chronicles is to document the PS-I learning experience of students keeping the below objectives in view.

- To provide more information on the learning experiences by immediate senior students and PS-I faculty about stations, and thereby enlightening the learning opportunity among the student community.
- To provide the faculty with the enhanced information about the type and nature of work carried out at the various organizations.
- To transform the knowledge gained at the organization into class room teaching and also to identify the scope of deepening the collaboration with organizations.

The articles have been classified into five categories based on the industry domain.

- Chronicle 1: Information Technology
- Chronicle 2: Electronics
- Chronicle 3: Chemical, Mechanical, Cement, Textile, Steel, Infrastructure
- Chronicle 4: Health Care and other
- Chronicle 5: Finance and Management

I would like to thank students for sharing their experiences during their stint at the organization. I would also like to thank Prof. Arun Maity and Prof. M. K. Hamirwasia for reviewing the articles and providing us the valuable feedback. I would also like to extend my thanks to Mr. Om Prakash Singh Shekhawat, Prof. S. Murugesan, Prof. G. Muthukumar and Mr. Varun Singh of the Practice School Division of BITS Pilani – Pilani Campus for their help in bringing out this edition of PS-I Chronicles.

I would be happy to receive any feedback regarding the Chronicles. Please feel free to email me at psd@pilani.bits-pilani.ac.in or at anil.gaikwad@pilani.bits-pilani.ac.in.

Anil Gaikwad

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PS-I station: APS Lifetech - Biotechnology, Pune

Student

Name: SHRUTI SRIDHAR .(2017B1A10997G)

Student Write-up

Short summary of work done: The project involves usage of virtual screening software PyRx 0.8, in correspondence to docking software Autodock Vina and visualizing software Pymol, in order to find the best docked structures of chosen genes/proteins to potential drugs for COVID-19, in an attempt to find possible inhibitors and cures for the effect of the virus at hand. The key areas of interest are the docking mechanism, resulting structures, and the analysis, using MD simulations, of its various bonds and interactions. The project outlines the features of docking processes and their applications and implications in the field of drug design. Our aim is to find potential drugs effective against the effects of the virus causing the ongoing pandemic, or to rule out possibilities and narrow down the search for the same, using the resources available to us.

PS-I experience: It was a good experience working with knowledgeable and experienced mentors. I learnt a lot during these 6 weeks especially about drug repurposing and rational drug design. There was good interaction with the PS mentor that facilitated us to add more components to our work to make it more holistic.

Learning outcome: Learnt about MD simulations, drug docking and virtual screening. Curated a ligand database and screened against macromolecules in order to propose drugs that could be re-purposed.

Name: AASTHA SHAH .(2018B1A30843P)

Student Write-up

Short summary of work done: My project was a literature review of plant gene transformation methods. It also involved in an analysis of products available in the

market for researchers. The second part of the project covered various methods of agrobacterium vector construction. I have attempted to recreate the vectors using serial cloner software.

PS-I experience: PS1 was a work from home project because of unprecedented conditions due to Covid-19. Because of this, we were unable to get the hands on experience required for field like biology. My project was study based and involved reading and understanding various research papers and textbooks. I learnt about plant vectors and their uses as well as tricky and complicated procedures to construct agrobacterium plasmids.

Learning outcome: I learnt to patiently read and understand research papers. I also got some practice using the serial cloner software.

Name: Rhythm Negi (2018B1AA0758H)

Student Write-up

Short summary of work done: My project was applications of Computer-Aided Drug Design (CADD) in drug discovery. It was mostly a theoretical learning experience along with usage of bioinformatic tools and databases. Analysis of 39 new chemical compounds (NCEs) was done and categorized according to the number of desirable traits present.

PS-I experience: My PS work started about a week late due to communication issues with the station primarily because of the pandemic and online platform. The topics allotted was of my desired choice and the professor was strict with submissions. Overall, it was a fun and informative experience for me although I do miss the lack of hands on experience.

Learning outcome: Life skills like creativity, decision making, critical thinking, and ethics were strengthened. There is considerable improvement in my soft skills (oral, written, non-verbal skills). As my topic was based on concepts of bioinformatics and pharmacology, various concepts have been learnt during the course of these 6 weeks. I am now confident about working with various online tools and databases.

PS-I station: APS Lifetech - IVF, Pune

Student

Name: ABHISHEK DARBHA .(2018B1A20494H)

Student Write-up

Short summary of work done: The project assigned to me was in the field of molecular docking with respect to drug discovery / design.

My project partner and I were required to carry out the process of molecular docking, which is a structure-based bioinformatics prediction tool used to predict structures of two entities after docking / bonding. This was done using softwares Autodock 4.2, Autodock Vina, PyRx, Pymol, GROMACS.

The process consists of 4 main steps - Selection of ligands and proteins to be docked, virtual screening using PyRx of these molecules to determine which docking is tentatively effective, docking process using Autodock, and analysis of docked structures.

The molecules given to us for docking were related to the ongoing pandemic, COVID 19, in an attempt to find a suitable drug that nullifies its effects.

If successful, further research can be done in order to test the effectiveness of the proposed drugs and if not, the drugs tested could be ruled out by the method we employed.

PS-I experience: PS I was a brilliant learning experience for me, especially since I got the opportunity to work on a project related to ongoing pandemic, COVID 19.

It gave me exposure to the work done in labs in the field of drug discovery, along with usage of various softwares which I can pursue more studies in the topic in future.

Learning outcome: My learning outcome was to understand the functioning of companies in the real world and exposure to work done in industry, along with being able to apply classroom knowledge in industry applications.

Name: YADAVALLI V K LAKSHMI SRAVANI .(2018B1A40856H)

Student Write-up

Short summary of work done: Topic of my project was "CADD in drug discovery". Initially, I gained an insight into the drug discovery and design process and the significance of computational methods in the process. I acknowledged the importance of testing and analysing DMPK properties in the drug discovery process by testing many NCE's in various databases. Finally, I got to know the limitations of *in-silico* predictions and the need to merge it with other methods.

PS-I experience: It was useful in many ways. Even though, it was on a remote mode, our instructor ensured to interact twice a week and guide us through out.

Learning outcome: I have gained knowledge about the databases used in the drug discovery process and the various steps and parameters in the drug discovery and design.

Name: NISHIT DUA .(2018B1PS0620G)

Student Write-up

Short summary of work done: I made a script that loops over a list of people and sends emails to people in the mailing list, after which I made an API which gets called by amazon lambda and process it to Amazon Ses making my code work over cloud.

PS-I experience: It was fine but I really wanted to live on my own, I guess that would have been a lot of fun.

Learning outcome: I learnt a lot about programming and mainly I learnt how to work online.

PS-I station: Birla Science Centre - IoT, Pilani

Student

Name: AAKANKSHA SINGH .(2018A3PS0354H)

Student Write-up

Short summary of work done: We tried to implement social distancing for controlling the spread of Covid-19 by making a proximity sensor using PIR sensors.

PS-I experience: I had a pretty good experience at my PS-1. Our instructor was very accommodating and understanding. He guides us through each and every step of implementing our project.

Learning outcome: I learnt a lot of new things such as localisation techniques, using Tinkercad software for simulating projects, about PIR sensors and their working and creating a database on Cloud.

Name: KHUSHI GUPTA .(2018A3PS0874H)

Student Write-up

Short summary of work done: We worked on learning about IoT domain and are currently working of making a smart wristband and counting system for the museum to ensure social distancing in these times of Covid-19.

PS-I experience: It is overall good, interaction with my fellow co-workers and faculty mentor was good and I learnt teamwork and gained more practical knowledge by working on hardware.

Learning outcome: Learnt a bit more about IoT and teamwork.

Name: BHAVIN SONI (2018B2A30685G)

Student Write-up

Short summary of work done: Made a smart wrist band for implementing social distancing.

PS-I experience: Good.

Learning outcome: Learn to implement the practical applications of the theories.

Name: GARVIT SADHWANI.(2018B5A30329P)

Student Write-up

Short summary of work done: It was in the IoT domain, we're making a counting system to ensure that a threshold no. of people is not exceeded in the museum and also we are working on smart wristbands that will alert the wearer if social distancing is violated.

PS-I experience: It has been great, it's fast paced and we need to brainstorm on the very small details too. it's fun and I even made new friends, my project group members are from Goa and Hyderabad campuses.

Learning outcome: I learned deeper about the WiFi technology, how it works because it will be intensively used in both the projects. I will also be learning more about data transfer via the net and making the mechanism myself.

PS-I station: CSIR-Institute of Genomics & Integrative Biology, New Delhi

Student

Name: HASNAIN ZEENWALA .(2018A7PS0307H)

Student Write-up

Short summary of work done: We worked on complex disorders associated with diabetes. Specifically, I worked on Diabetic Nephropathy. Our project was to create a GUI form that takes as input which genes are expressed in the body of the patient and according to that, outputs as score predicting how likely is the patient to develop diabetic nephropathy. In order to develop a scoring scheme and select which genes to include in the application, we had to go through various research papers. By the end, we were able to develop a model, but since there wasn't enough time, We couldn't check the model against real data.

PS-I experience: Overall, the experience was positive. My mentor was very experienced researcher, so I learnt about the research process. However, the short duration of PS-I and only being able to contact the mentor online, slowed down the progress somewhat. If we were physically present at the centre, a much better project could've been developed.

Learning outcome: Reading multiple research papers taught me the importance of statistics in interpreting the results. Building the GUI form allowed me to apply my knowledge of Object Oriented Programming. I learnt a lot about how gene expression can influence the progress of a disease.

Name: ANKIT KUMAR MISHRA (2018A7PS0399P)

Student Write-up

Short summary of work done: Machine learning approaches and tools in Chemoinformatics for prioritizing active molecules and building an appropriate classification model by supervised learning, which involved the use of PubChem repository, Perl and R programming, PowerMV and Waikato environment for knowledge analysis.

PS-I experience: The experience was good. I learnt quite a bit about some new Machine learning algorithms. Contacting the mentor was a little difficult, but the project was good. I got a Chemoinformatics project, but I was expecting a Bioinformatics or a Neuroinformatics project, but this was good too.

Learning outcome: I learnt some Machine learning algorithms and a new language - Perl. I got a little exposure to the field of Chemoinformatics.

Name: PRANAV BALLANEY.(2018B1A70635G)

Student Write-up

Short summary of work done: Creating graphs and networks to represent protein interactions. Protein interaction data was obtained using a Python library called ProDy, along with several web tools like RING, ConSurf and PDBParam. This interaction data was saved as a JSON file, which was further processed in order to create interactive graphs using d3.js.

PS-I experience: It was a great learning experience. The PI, Dr Lipi Thukral, and her research fellows were quite helpful. The project was chosen keeping in mind our skills and experience, and we were given enough time to pick up the required skills for the project.

Learning outcome: Working in research, processing PDB files and interaction data, creating interactive animations using JavaScript and libraries like d3.js.

PS-I station: Department of Agriculture, Goa

Student

Name: VIKRANT REWAL .(2018A7PS0150P)

Student Write-up

Short summary of work done: My work in this PS-I station was amusing and challenging. I was allotted a team of 3 members and we collectively designed an application for the farmers of Goa so that they can cope with coronavirus pandemic. We made the application easier to use for the farmer by using match parent width of each button to prevent any misclicks by the farmer. Also, We learned about the various concepts such as using firebase, how the otp authentication works, how to use backend for aadhar and much more.

PS-I experience: My experience in PS-I was really good, though couldn't meet with the wholesalers and farmers but learned about various concepts such as Java, CSS, XML, Python, Github and Android studio.

Learning outcome: Learned how to make an android application which will be useful in the future career.

Name: AKASH MAURYA .(2018A7PS0153P)

Student Write-up

Short summary of work done: We were supposed to build a B2B model which was virtual agriculture marketplace in which farmer upload their crop details and the buyers could bid for crop and purchase it. We also built a website but we wasn't able to complete it because of lack of time and technical guidance.

PS-I experience: It was my industrial experience and it was very good. We first time worked on real world problem and finding solution was bit difficult but we learnt lot of things during PS-1 .Since, it was held in virtual mode so didn't explore too much.

Learning outcome: We learnt how to handle real world problem and how to approach to solve them and team collaboration is really important, it is not a single man task.

Name: LALIT PACHORI.(2018A7PS0158P)

Student Write-up

Short summary of work done: We have to help the farmers to sell their product with local interested buyers effectively. Development of web application where farmer's products will be sold. Business and Government Agencies can visit the website, browse through the items they want and then contact the appropriate farmer directly. Website for handling large amount of data ideate on regulations necessary. Develop an overall structure online with MSP and products can be auctioned.

PS-I experience: We learned how to work as a team and each one in a team needs to work together to finish the task. We introduced with real-life work problems and hence develop problem-solving skills. Work experience makes us more responsible and accountable for what decisions we make and how we execute what's been allocated to us. We learn to manage time better by maintaining a balance between work and personal life. Learning various technical skills such as web development for making a successful portal to help the farmers.

Learning outcome: Learned about various problems faced by the farmers. Learned about the B2B model and knew how it actually works. Learned various languages for website front end development. Studied about benefits to each stake holders in agriculture market place. We studied the case studies of farmers and the various practices followed in different countries. Learned about GitHub concepts for hosting and uploading files on it.

Name: DESAI PRAKRUT SHETALBHAI .(2018A7PS0169G)

Student Write-up

Short summary of work done: The project is "The development of a B2B e-agricultural marketplace for the department of agriculture, Govt. of Goa".

As we know, we are suffering from a global pandemic and to add to it, farmers around the country are facing locust attacks, an increase in temperature, irregular rainfall and cyclonic storms. As we know, India's economy is still dependent on agriculture, with more than 20% of the those who are engaged in this sector are marginal farmers. Surviving as a marginal farmer is very difficult in India. Increasing number of farmers are committing suicides in India and the pressure to support the agricultural economy is increasing for the Government of India. India's farmers are increasingly feeling ignored by the government for the middle class. During the release of the 20 lakh crore rupee stimulus package by finance minister Nirmala Sitaraman, GoI announced agricultural reforms to assure a minimum price for the farmers. Government also changed the APMC act to reform the current bias ridden system.

The department of agriculture, Government of Goa devised a project to build a B2B platform for farmers and traders of Goa to decrease the role of middlemen and to increase the farmers' income. They have sought the ideas of the youth for technology integration and the improvement of livelihood of farmers. Consultation with the nodal officer of DoA, Goa revealed to us the fact that Goa is the richest state of India and that the production cost for farmers there is very high as compared to other parts of the country. They have assigned us with the task of developing and initiating a 'Pilot Project' to implement the government's new policies. Here, We, a group of BITS Pilani University students are helping them in their initiative.

Under the guidance of our PS-I faculty and the Nodal officer of the Department of Agriculture, Goa, We have planned a mobile app for farmers and a web app for traders with different functionalities. The research and information about the relevant stakeholders, the proposed functionality of the agriculture marketplace and its pricing methodology. In this regard, We have developed the web app and mobile applications. We took their advice and then learnt technical skills required for the project. Then, We built basic working model for both web app and mobile app on android platform.

PS-I experience: It was very good dealing with government to help them for the betterment of the society. Even facing connectivity issues and full work from mode, it was very much fun interacting with group members regarding the project.

Learning outcome: How to engage with government bodies to help them serve better to the people of India. Group discussions and brainstorming sessions with government bodies to create B2B portal for farmers and traders by creating web app and mobile app.

Name: AKSHAT GUPTA .(2018A7PS0252P)

Student Write-up

Short summary of work done: Worked on developing a B2B model for e-agriculture marketplace to enable farmers in Goa to sell their crop directly to food processors, buyers, consumers etc. and thus eliminating the role of brokers, middlemen and agents in order to increase the farmers overall income and stop their exploitation. This also helps in making the system transparent to government by making the complete transaction and payments part digital.

PS-I experience: My PS-1 experience was very good. I learned a lot while interacting with with mentors and faculty.

Learning outcome: Gained experience on how things work on ground level and introduction to finance and management fields.

Name: DEVANSH P VAGHASIYA .(2018B3A10788P)

Student Write-up

Short summary of work done: The PS-I started of with ideation in the field of how to strengthen the prices obtained by farmers from buyers. A decision to make a B2B portal was made which connected both buyers and farmers to avoid traders in between. I worked on various ways to reduce transaction risks, quality risks and pricing regulation on the site by coming with ideas like bidding process and rating system for default risks.

PS-I experience: It was a good experience in the manner of work, I was lucky to find. I didn't get much of a core exposure to the industry, it being WFH, but luckily found the work interesting.

Learning outcome: I got to learn how the real world risks like transaction risks are mitigated and learned how to make a B2B model from scratch by going over each and every flaw in the model and make it realistic and feasible.

Name: SHRISH SINGH .(2018B3A30064P)

Student Write-up

Short summary of work done: The project domain was data science and machine learning. There are various schemes made available by the Government for the farmers in Goa. The project was to derive trends in the data provided for each scheme, there were 3 schemes in which the work done was extensive. In one scheme, there was use of Machine learning for predictive analysis to gauge the subsidy to the farmer might get on a new application based on previous data.

PS-I experience: The experience was good overall. There were flexible working hours, industry mentor was really nice, and the project assigned had a lot of freedom, it was upto the students on how to do the things, therefore, it was a great learning experience.

Learning outcome: Technical skills gained: Python, Pandas, NumPy, Matplotlib, Seaborn.

Script learned: Random Forest Regressor.

PS-I station: Donatekart - Social Sector, Hyderabad

Student

Name: ADITYA KHETAN .(2018A3PS0785P)

Student Write-up

Short summary of work done: Social media marketing and research for DonateKart in which we had to identify and select top organizations / websites similar to DonateKart and research about their social media campaigns, causes of donations, media channels, web traffic analysis and marketing strategies and then we needed to identify which causes and marketing strategies are getting the most donations. Find strategies which made them successful and differentiate them from others. Then give feedback and report about the research to DonateKart, suggesting about the areas of improvement through analysis and research.

PS-I experience: It was quite a unique experience as due to the current conditions, it was a work from home internship, which made it difficult to get full exposure of the industry atmosphere but we were able to get general idea of the conditions. Working with peers of whom we had no knowledge was not new but not meeting them personally was, coordinating with each other only through texts was a little tough but things went smoothly.

Learning Outcome: A better understanding of the industry environment and exposure to teamwork with people you hardly know.

Name: SARTHAK DONGAONKAR .(2018A5PS1065H)

Student Write-up

Short summary of work done: PS-I allotted to me is Donatekart, which is a crowd-source funding platform and a well new addition in social sector of India since 2017 when it was founded by Mr. Anil Kumar Reddy. Team office is situated in IIT Hyderabad. The basic idea of Donatekart is get those NGO'S, private organisations or individual personalities onboard who have some compelling stories, to which a donar would like to donate as soon as they read or see videos related.They work for a wide range of causes and some of their present campaigns targets on life of migrant workers which are hit badly due to COVID-19. Another popular campaign on there website is related to transgender community and Coal miners also. With a high number of successful campaigns and stories, the company has been able to find a respectable

position in social sector industry and has gained attention as well as recognition from various sources.

The work which I was allotted, is to find stories which could go on Donatekart platform and should be related to non-COVID causes, using various online websites, blogs, newspapers and various other sources. At this moment, I have contributed as high as 15 stories, which they will further contact with help of there marketing team.

The work was surely associated with some of the real life problems a company faces, as in order to find the articular clients was a difficult task, as many big NGO'S or companies were already linked with them and the ones which we could find were not having proper websites or web presence and hence commenting on there truthiness was a really difficult task, to this our PS-I instructor came as a rescue as he way optimistic and helped in every way to overcome our difficulties.

PS-I experience: I had a very good experience working with Donatekart, if given a chance I will be surely available to work them once again. It was an entirely new experience to work with a new team and also working in real life environment.

Learning outcome: Learned about ways how crowd-sourced funding organizations run in INDIA. Learned about the technical as well as research domain of Donatekart, as well as there competitors. Learned how these platforms are able to generate revenues and their role as a social sector supporter to the various deprived people. Learned about the full mechanism of how to funds go from donor to the on who requires it and the level of transparency that is maintained. I also learned about the future prospects of my PS-I and their growth goals spreading across the next 3 years. Learned about how to use different google methods and blogs to exactly find what we are looking for.

Name: AKSHATHA KARTHIKEYAN .(2018A5PS1102H)

Student Write-up

Short summary of work done: Worked for an online crowdfunding company where I had to get details about new NGOs to partner up with and build a campaign.

PS-I experience: It was a really exciting way to learn and work with others as a team and learn important soft skills.

Learning outcome: I have learnt how to work under deadlines and collaboratively work with my team. The company helped in adjusting to proper professional meetings and work method.

Name: KANISHK PATHAK .(2018A7PS0176H)

Student Write-up

Short summary of work done: Doantekart is a social sector crowdsourcing donation platform just like Ketto or Give India. We were tasked to research organisations which aligned with Donatekart's business model and connect those organisations to Donatekart.

PS-I experience: It was pleasant. The work was not too much yet the kind of work was good. The overall experience was satisfied.

Learning outcome: Empathy. This internship made me learn to empathize with those who are less privileged than us.

Name: ARYAMAN SARMAH .(2018A7PS0325G)

Student Write-up

Short summary of work done: The students were divided into groups of 5 and given separate projects to work on. Our group was tasked with finding campaigns/stories from charitable organisations that were not related to the ongoing CoVID-19 pandemic for Donatekart to promote in the near future.

The selections of such campaigns were done according to the guidelines given by the industry mentor who also provided us with a company-mandated excel spreadsheet for us to jot down our discovered campaigns onto.

Every wednesday, a meeting was held between the industry mentor and the group over at Google meet and the weekly additions to the spreadsheet were jointly analysed. Campaigns that satisfied the pre-requisite guidelines of Donatekart were thus selected while the non-compliant ones were put on hold for further deliberation.

PS-I experience: My PS-I experience was refreshing because it allowed me to glean into what to expect as a future professional in the industry. It also helped me pull out of my bubble at the campus and interact freely with people from various places.

Learning outcome: Soft skills intricately related to communication with hierarchical superiors and equals in a company and optimisation of work distribution by way of proper teamwork were the major learning outcomes of my PS-I experience.

Name: YEJENDLA HARSHAVARDHAN .(2018AAPS0643H)

Student Write-up

Short summary of work done: We find out campaigns run by different NGOs and VOs and give them to Donatekart.

PS-I experience: It was good, useful.

Learning outcome: How does a company work and interaction with different kinds of people.

Name: AMRIT RAMESH MANGALVEDHEKAR .(2018AAPS0700G)

Student Write-up

Short summary of work done: We did market research on companies like Donatekart, studied their marketing & social media strategies and web-traffic-analytics to provide valuable suggestions to Donatekart.

PS-I experience: The experience was quite good. The work wasn't hectic at all and was pretty brief. Our instructor was also very supportive about our work and helped us whenever needed. We got to interact with Donatekart's CEO who seemed to be a very open and knowledgeable businessman, he too was positive about our work.

Learning outcome: Learnt about online donation companies like Donatekart, understood how does their business model work, how do they generate revenue, what different marketing & social media strategies these companies deploy, how can a company capture the market using its strategies etc. Also improved on a few essential soft skills.

Name: PRASHASTI SHUKLA .(2018A5PS1112H)

Student Write-up

Short summary of work done: Basically we have to go through all the active pages which are related to social sector. We have to read blogs and find different kinds of stories that are related to sectors or individuals working in these crises for people and animals. We need to fill the spreadsheet with the NGOs or individuals who are not collaborated with Donatekart and might need the help in these times of crises. We have to find the NGOs which are working for the people in these COVID crises, and are best fit to collaborate with Donatekart.

PS-I experience: It was amazing working in a social sector. It taught me about various campaigns and how people are so willing to help. We saw how a social sector work from the inside.

Learning outcome: Communication skills, Team work.

PS-I station: Give India - Social Sector, New Delhi

Student

Name: KOGANTI SASANK(2018B4TS1158P)

Student Write-up

Short summary of work done: Had to verify beneficiary.

PS-I experience: It was great.

Learning outcome: Improved my technical and soft skills.

PS-I station: GMR Varalakshmi Foundation - Social sector, Delhi

Student

Name: NANDU AS .(2017B2PS0386G)

Student Write-up

Short summary of work done: The GMR Varaleksmi foundation is the CSR arm of GMR group. The project allotted to me was preparing a new course for offering in the institute in a post COVID19 atmosphere.The work was mostly secondary research based and was convenient to work from home format.

PS-I experience: The online experience of PS-1 was very convenient, able to work under an industry while I was staying in the comforts of the home. The work was self paced and ability to work in my peak hours and improved the efficiency.

Learning outcome: I learned about different type of vocational training jobs. I was able to explore some areas I never got a chance to learn.

Name: NEHA MAHESHWARI(2017B5TS1215P)

Student Write-up

Short summary of work done: We were given a project in which we had to take a survey of around 500 alumni of that foundation. The purpose was to know the training experience and impact on their lives and how they are managing their jobs during Covid-19 times.

PS-I experience: It was good, but obviously would have been better if it was offline. But in these circumstances, we got the best mentors, best group members and experts to work with.

Learning outcome: Learned many new aspects and ways of working in a company. Developed many technical and soft skills too.

Name: BEJAGAMWAR SANKET ATUL .(2018AAPS0293G)

Student Write-up

Short summary of work done: We as a team of four created total of eight courses for the foundation. Each of us prepared two courses. Courses were ment mostly for 10th or 12th passed students. It was to help students to secure a job in post covid world by teaching them some of the job roles which are in demand since the covid outbreak throughout the world.

PS-I experience: It was a decent experience overall but online mode didn't provide the experience which I was expecting. Being at the workplace and interacting with mentors and colleagues is what I was hoping from PS-I but anyways it was good given the circumstances.

Learning outcome: Preparing courses with a proper course structure.

Name: VAJHALA KEERTHANA .(2018AAPS0506H)

Student Write-up

Short summary of work done: Our project was to take a survey of alumni and prepare a detailed report after analysing all the information we collected and suggestions some recommendations and conclusions. We contacted 450 alumni and made some conclusions and recommendations. We participated in group discussions and seminars.

PS-I experience: It was good.

Learning outcome: Team work, communication skills have improved, punctuality.

Name: MALINENI KRISHNA SRAVYA .(2018B3A20907H)

Student Write-up

Short summary of work done: Prepared a hand-book on new courses for job roles that would be in demand in a post-covid environment. Prepared a total of 8 job roles from the team.

PS-I experience: It was a good experience to work with the instructors and mentors of the PS-I station.

Learning outcome: Got an experience on sops and basic communication skills.

PS-I station: GMR Varalakshmi Foundation - Social sector, Hyderabad

Student

Name: KRISHNAN KIRTHI .(2018B3PS1115H)

Student Write-up

Short summary of work done: Prepared an online training programme using various platforms which focuses on the same objectives as the offline courses and can be accessible to students. Created such an efficient platform which can deliver similar outcomes, overcoming the shortcomings of the situation by blending in digital learning as well as practical training. Provide such an accessible and user friendly platform consisting of digital modules to maximise the efficiency of the trainer-trainee interactions.

PS-I experience: It was a great experience working in GMRVF. We were taught about GMRVF's aim on vocational training and were guided properly in our project. They also considered our opinions for their courses. It is happy to work with them and help the needs in digitising their vocational training during this pandemic.

Learning outcome: We got an opportunity to get the knowledge of digital learning and also the importance of vocational training.

Name: DIVYANSHI DUBEY(2018B3TS1155P)

Student Write-up

Short summary of work done: In a group of three, we were assigned the task. Our job was to create the online teaching content for the vocational education at GMRVF. Due to the current COVID situation it's not possible to take lectures and trading sessions on the same. So, we created the online material for the following for teaching on 2 and 3 automobile repairing and refrigerator and AC repairing jobs. Our job was to digitalise the content to be taught and find a easier way to be taught. We were provided with the modules so we divided the modules between us and we made ppt and videos on the same.

PS-I experience: It was nice. Got to learn many things. Even our instructor incharge both at GMRVF and the campus were very helpful. They guided us through the whole process. Also the medium used, canvas is very easy to use. And the assignments and the quizzes and also the seminars set were amazingly set for the evaluation. The whole overall experience was nice.

Learning outcome: Learnt many things

1. Technical information of various parts of automobiles, AC and refrigerators
2. Communication skills
3. Advanced version of ppt
4. Learning competence
5. Team work
6. Need is digitization of the material
7. Various government policies on the same.

PS-I station: Incozen Therapeutics Pvt. Ltd., Hyderabad

Student

Name: RAY ELIZABETH DOMINIC .(2018A5PS1090H)

Student Write-up

Short summary of work done: Analysed health care systems spanning the regions of MENA, ANZ and Asia Pacific. Collected information such as GDP and health spending along with their forecasts until 2025, described their oncology profile using incidence rate as the key statistic, understood the insurance and reimbursement scenario particularly with regard to cancer insurance coverage and reimbursement of cancer drugs, analysed and selected the top cancer drugs in each country according to sales, patent expiration, indication and market access and investigated the generic and innovative market scenario.

PS-I experience: It was an enriching experience that strengthened our knowledge of the pharmaceutical market. We developed soft skills such as team work, communicating ideas through group discussions and delivering effective presentations.

Learning Outcome: A micro-level and holistic understanding of the health systems and pharmaceutical markets of the selected region. This taught us what kind of research carries from the laboratory to the market and finally to the patient, hence it gave us a key understanding of translational science.

Name: [JAHNAVI DHARWADKAR .\(2018A5PS1099H\)](#)

Student Write-up

Short summary of work done: We were allotted a project by the instructors and mentors. We were a group of 2 people. The project domain was market research and the topic was-Mapping healthcare and reimbursement systems in selected geographies. We were given a set of countries and we had to study them based on certain parameters like GDP, health expenditure, insurance policies, oncology sales, drug market scenario, etc. Our main focus was cancer landscape in a particular country. In the end, we presented our research in the form of a report to the mentor and other company officials so that the company might take an informed decision regarding future investments.

PS-I experience: The project domain was outside our academic curriculum since, it involved market research. Initially, we were facing some difficulties in gathering and assembling data since much information was not available on open source platforms but our mentor was really helpful in guiding us with the project and giving us necessary feedback about our research. Our instructor was regular with the meets and grading

was a bit strict in the beginning but the instructor helped us to move in the right direction. Overall, I would say students who are interested in finance and market analysis should take up this station as it required us to assess the market. Pharmacy students can also take up this course as it will help you to understand the drug pricing mechanisms and health funding in different companies which will surely help you in future.

Learning outcome: Since, the project domain was something new we had to do, the work was a bit over whelming but I gained an insight into the healthcare models and policies adopted in other countries. I also learnt more about the software tools like MS Excel. I also learnt how to filter the enormous amount of data on the internet and how to tabulate your results in short concise and meaningful manner. In conclusion, I would say that this project improved my ability to critically analyse things and improved my communication skills (like report writing and e-mail writing) as well.

PS-I station: Indian Red Cross Society - Social Sector, Bangalore

Student

Name: AYUSH AGRAWAL .(2018A8PS0469P)

Student Write-up

Short summary of work done: The work assigned to us was related to web development and management. We were a team of 6 people who were assigned to make the IRCS website more appealing and user friendly. We worked on the UI part. We suggested changes to the organisation and implemented some of those as well. The website was hosted on wordpress thus this turned out to be a great learning experience for everyone. We tried embedding a certification program and volunteer pledge portal to the website. We even tried creating a bussiness email so as to make the organisation look more formal. We improved the website to quite an extent. We helped the organisation improve its website so as to improve their reach and increase the donations so that they can continue the humanitarian work with full force without the shortage of funds. We tried our best to act according to their expectations and they were quite impressed by BITS IANS. For these 6 eekks we considered their website as our. And worked meticulously in order to improve its functionality, appeal, user interface, user design and overall format.

PS-I experience: It was a great learning opportunity with some hurdles in the form of communication delay and miscommunication. Overall, it was good activity to ensure that we use our time diligently and learn various soft skills required to make a great learning environment in a corporate work place. We improved our teamwork, communication skills, presentation skills, group discussion skills. It was overall a great experience. The faculty mentor was supportive and ensured that we faced no troubles in work from home PS-1.

Learning outcome: We improved upon teamwork, communication skills, presentation skills, public speaking and report making. We even had exposure on the part of learning WordPress and managing the website of such an esteemed organization. We learnt various aspect of UI design. We got to learn regarding colour scheme selection procedure and various aspects that could increase the reach of the website of a humanitarian organisation of the level as that of IRCS BANGALORE. We took measures that ensured a higher user engagement on the website and thus increasing the inflow of donations and the wide reach of awareness regarding how to act in an emergency situation. It was a great learning experience and we got exposure to corporate world. We were taught professionalism and were made to follow it.

Name: ADITYA KRISHNA .(2018AAPS0316G)

Student Write-up

Short summary of work done: The project allotted to my team was to create an online orientation course for Youth Red Cross volunteers. The IRCS needs to organise several orientation seminars in various college chapters for prospective members. Doing this physically for each college is cumbersome, hence they asked us to create an online course for it. We had to create course content from relevant documents provided, create quizzes, and figure out a way to upload it to the IRCS website.

PS-I experience: The experience was enlightening. My teammates and I learnt a lot about the Youth Red Cross and its activities while creating the course. Interactions with our industry mentor gave us an understanding on how such NGOs function and the truly great work they are involved in. Our faculty mentor was amazing and guided us through the process.

Learning outcome: We learnt basic content creation and web development skills. We also learnt about the functioning of the PS-I station and its activities.

Name: ARANAV JINDAL .(2018B2A40334G)

Student Write-up

Short summary of work done: Made some UI changes to the website and created a portal for volunteers to register.

PS-I experience: It was a great learning experience and I learned a lot of new skills, there was a bit of communication issue but it got solved by the end.

Learning outcome: I learned team work and effective communication and learned many new skills and softwares.

Name: KUSHAL BAKLIWAL .(2018B3A30774G)

Student Write-up

Short summary of work done: We worked on app development. We made an app for red cross society, Bangalore.

PS-I experience: It was good and even though it was online, till end I developed good bonding with mentor and other students.

Learning outcome: I learned android development, java, communication skills and leadership skills.

Name: DIVYANSHU MAHAJAN .(2018B3A80820P)

Student Write-up

Short summary of work done: Work was mostly related to web development. We had to revamp the current website of IRCS, Bangalore which was written using WordPress. We had to learn and try out the technologies used in the project for making further changes to it. The initial work revolved around suggesting changes to their website and UI improvements. After the UI was completed, we also had to integrate an existing portal into their website.

PS-I experience: The learning curve wasn't steep. We had to learn wordpress and other minor technologies which were simple enough. The work wasn't hectic in any way and we got enough time to try out other things. Also, the station was quite flexible in terms of working hours and had allowed us to work as we wanted to. And since, it was a team project, work was distributed fairly and was easily manageable.

Learning outcome: WordPress, HTML, CSS, JavaScript, PHP.

Name: SIDDHANT GUPTA .(2018B4AA0376G)

Student Write-up

Short summary of work done: Fixed issues and added new features in IRCS app using Android studio and Java programming.

PS-I experience: It was good.

Learning outcome: Learned Android studio, Java, Firebase authentication.

PS-I station: Indian Red Cross Society - Social Sector, Mumbai

Student

Name: AKASH NAIK .(2018A3PS0354P)

Student Write-up

Short summary of work done: We had to create a new web portal for IRCS, MUMBAI for their EQAS project. The portal should have a fully functional login page and a database where all the credentials of labs would be stored, then the labs have to upload their reports and we would run a statistical analysis on it and give the results to IRCS, MUMBAI which can be downloaded in excel.

PS-I experience: The PS-I adventure was good with people from different branches coming together and working on a single project. Our seniors and the industry mentors helped us a lot in explaining the project and guiding us wherever we got stuck. Overall, it was a nice experience despite the PS-I was done remotely.

Learning Outcome: I learnt about php,html and css on the technical side. I improved my presentation and communication skills as well.

Name: AMEYA LAAD .(2018A7PS0124G)

Student Write-up

Short summary of work done: Created a website for the EQAS system.

PS-I experience: A truly enlightening experience, I got an opportunity to see the industry. I also got to learn new technologies like web development and backend.

Learning outcome: I learnt many new technologies like Bootstrap and SQL.

Name: PARAS GARG .(2018A8PS0462G)

Student Write-up

Short summary of work done: Development of a website and automation of the statistical analysis using python for EQAS project for IRCS, MUMBAI.

PS-I experience: Learnt a lot and great experience.

Learning outcome: Learnt Python, Openpyxl, Using Google api with Python.

Name: AAKASH JAGDISH KHOSLA .(2018A8PS0813G)

Student Write-up

Short summary of work done: We had to develop a website pertaining to the EQAS [External Quality Assessment System] division of IRCS, Mumbai and make amends to the previous codebase.

PS-I experience: It was good and heuristic, yet the overall experience would have definitely been better and efficient if we had the opportunity to be physically present at the station.

Learning outcome: Apart from the various informative sessions, which gave us key insights into the financial industry and helped develop essential soft skills, I learnt programming languages like HTML, PHP and JavaScript.

Name: KAUSTUBH KULDEEP TANKSALE .(2018B3A30720G)

Student Write-up

Short summary of work done: Making a website for IRCS Blood Bank for getting input from various testing laboratories and statistically analyzing the data for consistency and accuracy compared to base data.

PS-I experience: The experience was well rounded overall as we managed to interact and learn from our mentors even if we weren't able to physically be present in the working atmosphere.

Learning outcome: We gained excellent working and learning experience as we learned to divide our work for maximum efficiency, gained essential soft skills, learnt a new programming language and inculcated important work ethics.

PS-I station: Indian Red Cross Society - Social Sector, Vijayawada

Student

Name: VEMIREDDY CHANDRA TEJ .(2018B4A30204H)

Student Write-up

Short summary of work done: Database management of blood donors in blood bank.

PS-I experience: Its good.

Learning outcome: Excel VBA & SQL.

PS-I station: Indian Red Cross Society Blood Bank - Social Sector, New Delhi

Student

Name: MITANSH SINGLA .(2018A3PS0432G)

Student Write-up

Short summary of work done: We were given the work of making a nationwide report of the work done by IRCS in the COVID-19 period. The data was provided by them which is to be presented to the PMO, President of India, NITI Aayog, their headquarters in Geneva, MoHFW. We had to segregate the data according to the topics allotted to us for eg: I was given the topic of number of trained volunteers involved and helping migrant labourers. I had to segregate the images related to the topic and also arrange the data which was scattered. I had also made some videos related to the topic. We made the report using Adobe indesign and also used Adobe reader DC to add interactivity in the report as had been asked by our industry mentor. We had to also make an online course and add it on the IRCS website but due to time constraints, we couldn't do that but we did submit some drafts of the e-certificate which would have been generated after the completion the course by someone.

PS-I experience: It was great learning experience for me. The components such as group discussion, submission of report for midsem and endsem, presentation showing the work done by us till then helped me to get a flavour of the work I have to do when I'll be employed. Also, having meetings with industry mentors helped me to learn the skills of having professional conversation and get an insite on how the respective organisation works. Sometimes, it was difficult to apprehend the requirements of the industry mentor but with asking them about the thing made it clear. Our faculty mentor was also really helpful in guiding us.

Learning outcome: There were a lot of things that I learnt from this PS-1. The most important is teamwork and especially in this situation when we cannot see each other and are far away too. To adjust to the difficulties of having an online PS due to the situation. I also had the opportunity to get to learn new softwares which have added to my skillset. As mentioned above, the components for evaluation have been really helpful for me in improving my life skills as an individual. It has also helped me to get to know the functioning of the industry in real life better.

Name: SHYAMAL KHAJURIA .(2018A8PS0199P)

Student Write-up

Short summary of work done: The work revolved around creating a report on COVID-19.

PS-I experience: The experience was good. Our instructor were really helpful.

Learning outcome: I learnt various softwares used by marketing professionals.

Name: ARIJIT GUPTA .(2018A8PS0856G)

Student Write-up

Short summary of work done: Made an interactive report to show the work done by the IRCS during the pandemic to help people in need. Data was gathered from multiple data bulletins and reports, we made it concise and inserted graphs wherever possible and finally made an interactive PDF report with InDesign.

PS-I experience: It was a new learning experience, as marketing medium and technology was not something I was familiar with before the PS.

Learning outcome: Learned various soft skills like working in a team and effective communication.

Name: RANDHIR SHARMA .(2018AAPS0369G)

Student Write-up

Short summary of work done: We made an interactive report on the work done by IRCS in the wake of the COVID-19 pandemic. We made the report using InDesign and Canvas softwares. We also made a course completion certificate for IRCS.

PS-I experience: I learnt a lot about working of NGOs especially about IRCS. I also gained video editing skills and learnt to make interactive report.

Learning outcome: I learned various video editing software. I also learned InDesign software.

Name: EHSAAN MUSTAFA .(2018B1A80603G)

Student Write-up

Short summary of work done: Made an interactive report on "Social Work done by IRCS during COVID-19 pandemic" till date which will be sent to PMO, President, NITI aayog and ministry of AYUSH.

PS-I experience: So basically, it was a very simple project but required some creativity and designing skills which we had to learn for making the report. Overall, it was a nice experience. Also, our PS1 instructor and industry mentor were humble and supportive who guided us throughout this journey.

Learning outcome: Learned about the working of IRCS and the works done by IRCS. Also got to learn how to make interactive reports.

PS-I station: Kerala Infrastructure and Technogy for Education, Trivandrum

Student

Name: HRIDIK PUNUKOLLU .(2018A2PS0151H)

Student Write-up

Short summary of work done: We were asked to make a Virtual voice assistant that allowed teachers navigate an educational website that was made by the Government of Kerala. Apart from this, the assistant would be used to display and manipulate content stored in a database as well. To implement this, we used a variety of open source libraries. We made datasets that allowed for the training of the models that allowed extraction of entities as well as classification of intents from the voice input that the user provides to the computer.

PS-I experience: Collaboration and communication have been significant learning outcomes from PS-1. Apart from this, I have gained the ability to use and implement various frameworks. All in all, it has been a great experience and has significantly furthered my skills in the various fields that I have been exposed to.

Learning outcome: I learnt - in depth - several concepts of machine learning, natural language processing and the creation of APIs.

Name: DESHPANDE PARTH PARAG .(2018A3PS0279G)

Student Write-up

Short summary of work done: Worked on Object Detection model using Deep learning to provide a gamified way for primary students to learn english by indentifying objects in an image.

PS-I experience: My PS-I was WFH, hence work hours were flexible. Rigorous work.

Learning outcome: Learnt basics of Deep learning and deploying Object detection APIs.

Name: YATHARTH JAIN .(2018A3PS0335P)

Student Write-up

Short summary of work done: We had to built a machine learning based model for KITE's language lab project.The objective of project given to us was to identify whether the sentence given by the user is grammatically correct or not and make required corrections for grammatically incorrect sentence.

PS-I experience: It was a good learning experience working in a professional setup for the first time and that too for the govt. organisation. The mentors were all very supportive and though we faced some or the other challenges at times, but the important thing is that we got out of them and completed our work successfully.

Learning outcome: It was a valuable learning experience both in terms of technical knowledge as well as soft skills.

Name: J ALVIN RONNIE .(2018A7PS0029H)

Student Write-up

Short summary of work done: Created a Virtual voice assistant for smart boards in classrooms.The objective of this project would be to enable teachers to go about teaching and manipulating a computer or a smartboard without having to interact with it physically. The speech to text feature was implemented using Python's speech

recognition module. The majority of the text processing features of the project have been implemented using several methods of an open-source framework called Rasa. We were able to convert the features of Rasa into an HTTP based API which we could communicate with using our web framework. Flask was used as our web framework of choice given the structure of the project as well as the gradual learning curve.

PS-I experience: It was a great learning experience, from instructors, project mentor and teammates. I'm pretty sure, I will use the advice from my instructor and mentors gave in my future endeavors. My teammates were very cooperative and I am very fortunate to have such understanding teammates.

Learning outcome: I just knew the basics of Python before PS-I started. Now, I'm confident with more than just the basics of Python. Learnt about a chatbot framework called rasa which we used for the project. Learnt a web framework called flask which again was used in our project. Beside the technical aspects, I have learned a lot of soft skills which include working with a team, working on a real world application, presenting a seminar and be regular with submitting assignments.

Name: [MANISH S PATIL .\(2018B5A30801H\)](#)

Student Write-up

Short summary of work done: I was part of a group of 4 and we worked together on automating and enabling a pre-existing app, called samagra.net, with voice assistance. The project was called building a 'Virtual voice assistant' model. This model enables students who are poor in English to converse with a computer application built for improving and teaching English. Using spoken English, one can access the software's dictionary, the vocabulary section and the dictation section. The hope of this project was to inculcate the habit of conversing in English.

PS-I experience: I had a great experience, especially with a wonderful team of students I had never met before. The COVID pandemic did not hinder any activity of the project and things were very smooth. The KITE team and the BITS faculty guided us through everything, by the means of frequent virtual meets to correspondence emails. To sum it, PS-1 was good and moreover a good project that can go into my resume.

Learning outcome: The project was divided into few sections, each with its own skill set and challenges. As a whole, I learned Natural Language Processing, LSTMs, Encoder Decoder model, Rasa API for NLU, APIs and servers, Flask and git. All of this along with a lot of soft skills for the corporate life.

PS-I station: Lenest, Mumbai

Student

Name: [DIKSHA PARWANA .\(2018A5PS0981P\)](#)

Student Write-up

Short summary of work done: My project aimed to understand the various costs involved in the healthcare supply chain and analyzing ways to cut down and optimize these costs to provide affordable health care solutions. My project's working model was the aggregation of suppliers and their products through an electronic catalogue so that it becomes convenient and cost-effective for the hospital. The electronic catalogue / dashboard achieves the automation of inventory management and also ensures that the various departments of the hospital's supply chain are linked and integrated.

PS-I experience: It offered a good exposure that not only contributed to my technical knowledge but also non-technical and soft skills. Dr. Mukesh Gupta is a brilliant orator and mentor and focuses on multi-dimensional development.

Learning outcome: Working and the role of healthcare supply chain. Importance of digitization and automation in healthcare.

Name: [MEHROTRA MITALI MUDIT .\(2018A5PS0985P\)](#)

Student Write-up

Short summary of work done: Patient relationship management or Customer relationship management for healthcare is a system design strategy said to have the potential to increase patient satisfaction and experience which will thereby inbuilt a sense of trust. My work was to prepare a set of guidelines and customized content for the patients at le'nest and oversee the roll out of automated advisory notifications. This involved research and planning on the content and the development of a reliable and efficient patient relationship management software that will pass the information to the patient on a week by week basis. This will inturn save a lot on the doctors time, reduce the chances of infection due to frequent physical visits and provides an effective platform where the patients can interact with the healthcare care provider.

PS-I experience: PS-1 was great experience despite the industry experience that we missed out. My project included research on healthcare topics which made me aware about certain things in that domain and I came to know efficient ways to fetch information.

Learning outcome: Time management that is to complete the work allotted in the given time period and working efficiently with the team members was the major learning outcome.

Name: [SHRADDHA DUMAWAT .\(2018A5PS1095H\)](#)

Student Write-up

Short summary of work done: My project was based on the study and analysis of mental health of pregnant woman and postnatal mothers. I was required to survey and analyze the data and provide suitable results for the development for the mental health of women. As a part of other activities, I was responsible for making presentations regarding PREP, decision making skills etc. I have also lended a hand in other projects concerning telemedicine and social media marketing.

PS-I experience: PS-1, despite being work from home was a great experience indeed. I have learned a lot from my cousin interns and the mentor assigned to us, along with life skills, I have also learn to deal with professional life.

Learning outcome: A clear picture about my career in psychopharmacology and many essential non technical skills.

Name: [SURYANSH SINGH RAWAT .\(2018A8PS0021G\)](#)

Student Write-up

Short Summary of work done: 1. Created a model based on most common symptoms and trained it using DL algorithms so that it fetches the most relevant symptom that we input in the program.

2. Web scraping on YouTube channel to get a list of videos with their links and titles to get a dataset for the program that outputs the relevant videos according to the symptoms entered by the patient in the program.

3. Customised email program that sends email with customised message to a list of patients in a contact list. The customised message would include the patient education material in the form of YouTube video link that will redirect them to YouTube, hence giving them access to non-bias and authentic education material in the form of video links from Youtube channel of the hospital.

PS-I experience: It was amazing, didn't think of it to be that good at first but the work environment that was provided by the PS-I station was commendable even in the online mode. Our mentor even organised meetings with different industry peoples who worked in finance and the meetings always had a huge takeaway. The mentor I got was really helpful and it was a pleasure to work under him. My first internship was great experience over all.

Learning outcome: Got to learn more about DL, NLP and finance.

Name: [DON SUNNY .\(2018A8PS0453G\)](#)

Student Write-up

Short summary of work done: My project was based on digitisation of healthcare using Electronic Medical Records. The work was to help Lé Nest set up their own EMR system, by collecting data and drawing conclusions from it. Besides the project, I also helped in creating content for their training modules and webinars.

PS-I experience: The mentors were very cooperative and helpful. They have not just focused on our technical skills, but also on our soft skills. The station invited some industry specialists for giving webinar's on topics like finance and investment to help us in the future. The overall experience was great. The only negative was the lack of hands on experience as the entire PS-1 was online.

Learning outcome:

- I got to experience the work flow in the healthcare industry.
- Learned about the software used in hospitals.
- Learned about EMR systems; their framework, their impacts & how to properly introduce and use them.
- Gained a better understanding of negotiation skills, decision making etc. through various group discussions and sessions.

Name: AKARSH SHRIVASTAVA .(2018A8PS0524H)

Student Write-up

Short summary of work done: There were a lot of things that we as a team did together and we were also given individual projects. We made ppts, organised guest lectures and most importantly I learned soo many things that were new to me. I developed a module for installation of an open source helpdesk application and a Shiny web app for the supplychain management project that I did to help a fellow intern, also I developed an automailer.

PS-I experience: I feel really blessed to have the opportunity to work under Dr. Mukesh Gupta at Lenest for my PS-I. It was really great learning experience for all of us. Mukesh Sir was available to us whenever and on wherever we needed help, catching up on our progress daily so we don't deviate from our goal and guiding us to the right path. It has been a pleasure to work under him and there is always something to learn from him. I was really blessed to have the opportunity to work under your mentorship and the whole intern was made better by all the team mates and fellow interns that

helped me at every stage where I was stuck also being such amazing people themselves I was able to learn so much from them. These 6 weeks have helped me so much be it technical knowledge to soft skills development to finance sessions that we had to help us understand things better from the industry experts.

Learning outcome: PS-1 at lenest helped me with learning new soft skills and technical skills.

Name: PRATEEK SINHA .(2018AAPS0374H)

Student Write-up

Short summary of work done: Was supposed to understand the importance of SOP & create a SOP for Webinars from scratch and work on marketing & working of webinars and YouTube streaming.

PS-I experience: Mentor of Le Nest, Dr. Mukesh Gupta is a pleasure to work with, he made the work experience so easy to understand. His assistant, Samiksha ma'am will help you in every way possible and will make sure that you not only do the allotted project, but will learn various soft skills and interact with various people and will definitely help you in future.

Learning outcome: Apart from everything mentioned in the short summary, I learnt how to manage finances by various talks held by Le Nest, I learnt how to step up to a challenge and complete it.

Name: SHANTAM MOHATA .(2018AAPS0716G)

Student Write-up

Short summary of work done: I am doing the project regarding enhancement of the popularity and monetary benefits of the organization YouTube channel. So, I have learnt the working of YouTube studio. Tricks and ways to increase viewers, subscribers and watchtime. I am also working on proving the video rankings by the method called Search Engine Optimization.

PS-I experience: It was really an enriching experience. The mentor is an amazing person and it is a lot of fun to work with him. He is very knowledgeable and I love my time here.

Learning outcome: Search Engine Optimization is the one important thing I have learnt. Also various stuff and techniques about YouTube. I have enhanced my communication and verbal skills.

Name: [KANCHIPURAM SHESHA SAI TUSHAR .\(2018B1A40632H\)](#)

Student Write-up

Short summary of work done: The project I was allotted initially involved the management side of the health care industry. I was asked to study and analyse existing protocol and guidelines given out by various national and international organisations like ICMR, WHO, FIGO, etc about the working of hospitals during the COVID-19 Pandemic. I was asked to prepare one such protocol to be followed at LeNest during the pandemic. Later, my project was given another dimension by including the process automation work to ease the workflow at LeNest. Other than the project work, our very engaging mentor, Dr Mukesh, has also helped all the interns to stay enthusiastic by organising many group discussions and presentations on a plethora of topics like personal finance, the human component of decision making, etc. We also worked for content creation for LeNest's Relationship Enhancement Programme - from this, I have learnt a lot about Anger management too. Apart from technical work, We had a chance to do a lot more at lenest.

PS-I experience: My experience at Le Nest was great! Never have I thought that working at a Practice School 1 station, that too in an online mode would be this fun and this fruitful! Dr Mukesh, despite having a very busy schedule, has given the interns a lot of time and effort and genuinely cared about our overall-development. It is a blessing that I had a chance to work with such an enthusiastic person. Apart from technical work, we had a lot of opportunities to explore and delve into topics we haven't thought of

before. Because of all the interaction, I was able to improve my soft skills too. There was no time to waste as we were allotted a lot of work which was, in fact, fun to do.

Learning outcome: Through my project, I learned about the importance of a protocol-driven system and process automation. I was also able to get that industrial feel while working at Le Nest. That said, through our every day sessions with Dr Mukesh Gupta, we were also able to learn from him. I also contributed to his relationship enhancement programme, by working on the topic Anger management, which was very informative. We also had chances to research about various biases one might have during the process of decision making, different types of thinking etc. Dr Mukesh has also organised a talk by Ms Nehal Mota about personal finances, which was an eye-opener, to say the least. Overall, there was plenty of opportunity to learn continuously while working at Le Nest.

PS-I station: Million Sparks Foundation - Social Sector, Noida

Student

Name: SHASHVAT KUMAR SINGH .(2018A2PS0464P)

Student Write-up

Short summary of work done: Working on creating modules and developing various teacher training programs / certificate courses for their mobile application. Blog writing on topics related to education and E-learning. Developing course outlines /syllabus for online courses.

PS-I experience: I would say it was overall good with a few hassles. Internet connectivity was an issue during Google meet ups. I did learn to work on industry related projects and interacting with company managers. But I do believe, it would have been a better experience to meet them in person and get to feel the office environment. Working from home, although a good learning experience was not quite a sufficient exposure which one might get from a regular internship.

Learning outcome: Learning about interacting with project mentors and company managers.

Learning about content development and blog writing.
Learning about education and creating online teacher centric courses / trainings.

Name: AKSHAT JAIN .(2018B4A80740P)

Student Write-up

Short summary of work done: In the first three weeks, I was asked to create content for social media and online promotions. I was also asked to gather data about sites providing online teacher training programs during these COVID times for their research. I also searched for groups for teachers that are preparing for CTET and STET exams on Facebook, Twitter, Instagram and LinkedIn, and gave them the links to these group. In the second half, I worked on Content Development and created two training modules namely "Teaching as Leadership" and "Developing Positive Relationships". We were also asked to write 2 Blogs. Towards the end, I was asked to evaluate the entries of "Tide Turners Plastic Challenge" by UNEP and give them scores according to their entries.

PS-I experience: I was doing PS-1 during the COVID times, so network issues was a big hurdle between my learning. Got industrial exposure and got an idea about how to work under pressure and how to stick to deadlines.

Learning outcome: I got to work in the industry. Learnt about teamwork, team management, time management and punctuality. I also got to come out of my comfort zone and learned a lot of soft skills that I had never learnt in any books till now. Altogether, it was a great learning experience.

PS-I station: Mylan Laboratories Ltd, Hyderabad

Student

Name: STUTI BHATTACHARYYA .(2017A5PS1115P)

Student Write-up

Short summary of work done: The topic of the project that was assigned to me was-- Technological innovations in the pharmaceutical industry post COVID. Our team consisted of three members and we had been assigned both an industry mentor as well as a project guide. We were asked to submit our work plan regarding our plans on how to complete our project. After that we began working. We remained in constant communication with our mentor and communicated with each other through WhatsApp. We submitted weekly reports to our mentor detailing our progress and made sure to incorporate his recommendations in the next report. At the end, we submitted a final report and gave a presentation to the authorities at Mylan.

PS-I experience: My experience was something new as I have never before worked on a remote project. It was an eye-opening experience.

Learning outcome: Team work and organizational structure.

Name: PRASUN ANAND .(2018A5PS1002P)

Student Write-up

Short summary of work done: The project given was vaccine market analysis where a broad view was taken as to what vaccines are and what are the market scenarios and limitations. The immunization and epidemiology was looked into followed by analysis of market and top companies which make the vaccine market; followed by analysis of their weakness and strength. The funding of vaccines was looked into and the major market limitations and suggestions to improve the condition.

PS-I experience: The PS experience was very good where I came to know that online medium can also provide a hand in gaining experience. The mentors were really helpful and the detailed methodology helped me to understand and complete the project with ease. It was a great experience knowing how it is to work in a professional way.

Learning outcome: Understanding of how market is analysed was the key feature in my project. I had never been faced with a market analysis and vaccine market analysis helped to understand the challenges and advantages the smooth vaccine supply with

have on the overall health of people worldwide. Especially, during the corona virus scenario where vaccines are a key priority, knowing how the market works and how to improve the market was a boon for me.

Name: SNIGDHA KHARE .(2018A5PS1068H)

Student Write-up

Short summary of work done: We had to study about Supply chains, especially in Pharmaceutical Industry and research about technological innovations after COVID-19.

PS-I experience: So far it has been great. The station is really nice and work and mentors are also good.

Learning Outcome: I have developed great researching skills and learned documenting a report.

Name: MANTHAN S HIREMATH .(2018A5PS1073H)

Student Write-up

Short summary of work done: Our work was about advanced HIV and HIV associated opportunistic infection. We prepared a report focusing mainly on Opportunistic Infections consisting of its epidemiology, etiology, pathophysiology, treatment therapy's available and the novel treatment therapies which are under development to treat the them. The report also contains some drug recommendations for Mylan portfolio. As the company manufactures antiretrovirals, this report will prove useful as a comprehensive guide to this particular focus.

PS-I experience: The PS-1 experience was great. It was an excellent learning experience.

Learning outcome: Learnt about advanced HIV research that is going on currently and also about the recent development in the treatment therapies. Apart from the technical skills PS-1 experience also enhanced my soft skills.

Name: MANSI PARAG SHAH .(2018A5PS1074H)

Student Write-up

Short summary of work done: Mylan is a pharmaceutical MNC which manufactures majorly generic medicines, branded medicines and APIs. They also manufacture antiretroviral drugs. My project was on ADVANCE HIV DISEASE: HIV ASSOCIATED OPPORTUNISTIC INFECTIONS. We had to make a comprehensive report about the various infections, its treatments available, pathology and other details. We mostly referred to the guidelines set by the WHO and also did a lot of background research on various topics pertaining to the project. It was an interesting project as we got our first taste at scientific writing. We made a report that contains basic information about HIV/AIDS and detailed information about the infections.

PS-I experience: Our experience was very fruitful. We got first hand industry experience and how it feels to work at a pharmaceutical company. Our mentor showed us the work he had been involved in at the company, and also shared his experiences with us while guiding us about our career choices.

Learning outcome: We learnt how to write a scientific documents, the protocols to be followed while writing a professional document. We also got to learn office etiquettes like punctuality and perfection in everything we submit. How to talk to the senior employees of the company and other various skills that were developed on the way will be very useful in our future.

Name: KANWAR LOHITA NITIN .(2018A5PS1080H)

Student Write-up

Short summary of work done: Conducted research on basic of HIV/AIDS, transmission, infection, disease stages, diagnosis and lines of management classes and drugs. Guidelines and limitations of class and molecules. Pipeline molecules, vaccines for co- morbid disease like TB, HBV therapy options and position basis current disease management landscape.

PS-I experience: It was highly educational.

Learning outcome: Learnt how to do research, developed communication skills.

Name: KANWAR LOHITA NITIN .(2018A5PS1080H)

Student Write-up

Short summary of work done: Research on novel antiretroviral therapies. Research on epidemiology, basics (details of virus, transmission infection, stages, diagnosis and lines of management classes and drugs) of HIV / AIDS. Guidelines and limitations of current therapy. Pipeline molecules, vaccines for co-morbid diseases like TB, HBV therapy options and position basis current disease management landscape.

PS-I experience: Informative.

Learning outcome: Learnt about ARV treatment techniques- current and in pipeline.

Name: ARNAV KUKREJA .(2018A5PS1067H)

Student Write-up

Short summary of work done: Our project domain was vaccine market analysis. In the research we learnt about the vaccine industry, its global market outlook, current competition. After completing our research we were supposed to draw correlation of this market and its inhibitors in its growth.

PS-I experience: PS-1 experience was very informative, and gave a new perspective towards industry. Working from home because of the pandemic was the biggest roadblock, however, interaction between the industry mentor was still proactive.

Learning outcome: Learnt about industry, vaccine market and its implications. Also learnt few concepts of initiating a market research in the pharmaceutical sector.

Name: M SAI KAMESWARI SRUJANA .(2018A5PS0490H)

Student Write-up

Short summary of work done: Did an intense research work on the topic VACCINES - market analysis, which at last enabled us in mapping the demand, supply and funding in resource limited settings across markets.

PS-I experience: It was really good learning experience, but since it was work from home , it didnt seem so impactful, would have been better if there was work at industry.

Learning outcome: Overview of Vaccine market in current scenario.

PS-I station: Pilani AtmaNirbhar Resource Center (PARC), Pilani

Student

Name: INJAM SRI HARSHA .(2018A8PS0946H)

Student Write-up

Short summary of work done: I have been instructed to collect data from institutes in India and abroad which is having community service as part of the curriculum. We were instructed to present our weekly work to the industry mentors, We have managed to collect the complete data and prepared a report before the last week itself. We are able to submit report by drawing necessary conclusions from the data collected.

PS-I experience: Initially, when I saw that the allotted station for me is PARC. I have googled it to know about the organization. The project allotted is completely out of my domain. However, as days passed by I have got myself attached to it very much. I have loved the objective of my organization and felt very proud or working for an initiative started by my seniors. We are guided by an amazing instructor Prof. Nitin Chaturvedi who is available to us at every point of our project. Our industry mentor Mr. Srinivasan is really kind to help us and correct us whenever we have asked him any sort of doubt. He is very kind to us and has made us feel comfortable all through the PS. Last but not the least, I have such an amazing teammates who is very dedicated in work and are very communicable. They are more like friends to me rather than teammates. I have learnt a lot from them. The idea of PS-1 made me learn a lot other than from the project domain. It is a wonderful experience for us but it would have been even more beautiful if we had the chance to visit our PS station.

Learning outcome: Web research, secondary data review, data analysis, conversant with MS Office, good presentation and report writing skills.

PS-I station: Prakriti Organics - Content writing, Bilaspur

Student

Name: SINGH KSHITIJ MAHESH .(2018B2A40599G)

Student Write-up

Short summary of work done: The work allotted to me was new. I had to collect lots of data and statistics and compile it using data analysis and write meaningful and yet easy to understand articles and blogs for farmers. I wrote few articles and blogs on organic farming and topics related to it. The company / organization wanted us to show the benefits of organic farming over chemical farming and give them some better marketing ideas. I also had them registered on big basket to boost their sales.

PS-I experience: The experience was really good. I learnt a lot of new things and got to know our farmers better.

Learning outcome: Proficiency in writing articles, Python, interrogating / interview skills, marketing and strategy.

PS-I station: Prakriti Organics - Data Analysis, Bilaspur

Student

Name: SAKET SHUBHAM .(2018B5A40806H)

Student Write-up

Short summary of work done: My work required gathering data regarding organic farming and health issues related to chemical farming by reading various research papers and talking to experts, then presenting the data through various tools like MS-Office, making graphs, charts and doing statistical analysis of gathered data.

PS-I experience: It was interactive and provided opportunity to learn a lot of new things.

Learning outcome: Creative thinking, Data analysis through MS-Excel, Word and PowerPoint.

Name: SAKET SHUBHAM .(2018B5A40806H)

Student Write-up

Short summary of work done: Work was purely secondary research and data analysis based on that. I have to talk with experts and read various articles and research papers to gather data and then present data using various MS-office tools.

PS-I experience: Working experience was good, interactive and provided opportunity to talk with various experts.

Learning outcome: MS-office tools.

PS-I station: Prakriti Organics - Feedback and communication with customers, Bilaspur

Student

Name: ROHIT KHANDELWAL .(2018A8PS0331G)

Student Write-up

Short summary of work done: Customer feedback and communication.

PS-I experience: PS-I Instructor is very helpful and supportive.

Learning outcome: Learnt about customer satisfaction, client servicing and organic agriculture.

Name: K HITESH .(2018B2A20442H)

Student Write-up

Short summary of work done: My project was in customer feedback and communication. In the 1st week, we got to know more about the company. In 2nd week we interacted with old and regular customers. Third week was spent making feedback and survey form which would then be shared to prakritis customers and general public in the following week. 6th week was dedicated to research of the feedback and forming a proper conclusion.

PS-I experience: PS-1 gave me industry exposure and some soft skills required in the modern corporate world.

Learning outcome: Critical thinking, Communication, Data analysis, Customer interaction.

PS-I station: Prakriti Organics - Social Outreach Work, Bilaspur

Student

Name: ABHISHEK NAINWAL .(2018B2PS0618G)

Student Write-up

Short summary of work done: Worked on concept notes and process sheets for a kitchen garden project based on organic agricultural methods, collected and organised case studies about different NGOs and SHGs.

PS-I experience: It was very comprehensive, got introduced to a whole new side of agriculture and the current problems in our food production system.

Learning outcome: Learnt a lot about organic methods of farming and details about how to maintain a healthy lifestyle. Also improved soft skills.

PS-I station: Prakriti Organics - Website Design, Bilaspur

Student

Name: LAKSHIT JAIN .(2018B4A30886P)

Student Write-up

Short summary of work done: This time PS-1 was work from home due to COVID-19, but it didn't affect our work much as we had to make their website. First week was just about introduction about the organisation and about organic farming. From second week onward we started working on the website from scratch and made the whole website in the internship. Here is the link to the website - <http://prakriti4u.com/>

PS-I experience: All our evaluations were on canvas portal which was a unique experience, we had to present and discuss via video calls. Making a website requires a lot of discussion with team and the company and meeting their requirements is a little bit tricky specially when you can only discuss & contact them electronically.

Learning outcome: Made a website which required HTML, CSS, Bootstrap, basics of Js and a little bit jQuery. I also learned how to operate github and how to host the website through cpanel, godaddy.

Name: AKSHAT RASTOGI .(2018A3PS0197H)

Student Write-up

Short summary of work done: We worked on the organisation's website which would now help the organization create awareness among people in terms of organic food.

PS-I experience: Interning with the organization helped me in building my overall personality and changed my perspective on multiple fronts.

Learning outcome: I learnt web development, teamwork, coordination and planning.

PS-I station: Praveen Laboratories Pvt. Ltd., Surat

Student

Name: PAI ANGLE SAKSHI SANJAY .(2018A5PS0704H)

Student Write-up

Short summary of work done: Project on drug master file and CEP. In depth study of its review procedure, evaluation, fee structure.

PS-I experience: It was well mentored experience, giving insight of functioning of a company.

Learning outcome: Team and time management, communication skills in depth study of DMF.

Name: ADRIJA ARUP DUTTA .(2018A5PS0705H)

Student Write-up

Short summary of work done: The study project aimed at giving a brief overview of the literature and research material studied on different computational methods used in drug synthesis and the role of aromatase Inhibitors and PPAR agonists in the treatment of breast cancer and type 2 diabetes, respectively. The project aims as a whole to understand the role of medicinal chemistry in all aspects of drug discovery including metabolic disorders nitrosamine and impurities present.

PS-I experience: It was a wonderful experience as I learned new drug designing techniques and the role and methodology of approach towards treatment of HR-Positive breast cancer and type 2 diabetes.

Learning outcome: Medicinal chemistry plays a vital role in the invention, discovery, design, identification and preparation of biologically active compounds, the study of their metabolism, the interpretation of their mode of action at the molecular level and the construction of structure-activity relationships.

Name: JIGISHA CHANDRA .(2018A5PS1004P)

Student Write-up

Short summary of work done: Good Manufacturing Practice (GMP) is a system for ensuring that products are consistently produced and controlled according to quality standards. It is designed to minimize the risks involved in any pharmaceutical production that cannot be eliminated through testing the final product. This project is intended to provide guidance regarding GMP for the manufacturing of active pharmaceutical ingredients (APIs) under an appropriate system for managing quality. It is also intended to help ensure that APIs meet the quality and purity characteristics that they possess. The main objective of this project is learning to establish a good QMS (Quality Management system). And in order to understand QMS it is very essential to understand GMP. Q7 Good Manufacturing Practice Guidance for Active Pharmaceutical Ingredients, Guidance for Industry helps us to know about all the essential tools to understand GMP. After understanding this, it would give awareness of Quality & Production responsibility to set QMS.

PS-I experience: Throughout the 6 weeks of my PS-1 station, I was constantly in touch with both PS FACULTY: Dr. S. Murugesan and PS MENTOR: MR. Bimal B.Pandya both helped me a lot to understand my project domain. They always encouraged my

queries and doubts related to the project. This project not only helped me to understand ICH Q7 guidelines, GMP & QMS but also helped me to explore other domains in the pharmaceutical industry. We also had discussion regarding scope of pharmacy, stability studies, clinical trials, automation and many other topics. Though, it was a work from home internship, learning was never compromised. Even in this distant mode of communication, this PS gave me an opportunity of not only expanding my thinking but also finding solutions beyond the scope of this PS project. My PS station had a very motivating, encouraging and positive environment. It was a great work experience.

Learning outcome: 1. Background and Introduction.

a) The main objective of this project is learning to establish a good QMS. And in order to understand QMS, it is very essential to understand GMP.

b) Understanding of ICH Q7 will help me to understand all the essential tools to establish QMS.

c) Here Quality Unit plays an important role. Understanding the role of QA & QC helps us to know the working of API manufacturing plant.

d) Understanding all other domains such as Material Management, Lab control records and other major topics in ICH Q7 guidelines is very important.

2. Literature Review - Understanding all sections and sub-sections of Q7 Good Manufacturing Practice Guidance for Active Pharmaceutical Ingredients, Guidance for Industry.

3. Identifying the research gaps - I have understood the major objective of this project, the major gap I figured out is how to understand the whole process taking the example of a single API. Like for example if I pick a drug X, what is the role of QA, QC, production unit, etc. from its procurement to its manufacturing and release of final product. Flow chart for batch plan and dispatching the material were discussed in order to understand this gap.

4. Conclusion

1. ICH Q7 is very important in maintaining quality of the API.

2. API manufacturer can improve output of the manufacturing process.

3. Helps to enhance productivity as well as effectiveness of the manufacturing process.

4. ICH Q7 ensures less batch to batch variations and less chance of recalls.

5. Following this guideline can also help during regulatory inspections.

6. By understanding GMP we would be able to understand and establish QMS.

Name: MEHTA ARYANA HETUL.(2018B2AA0464H)

Student Write-up

Short summary of work done: My project was basically on the stereochemistry that is involved in chiral drugs that are produced. It covered all the aspects from the basics of chiral chemistry to the enantiomeric separation and the other higher level separation techniques and the new advances in the sector. I got a chance to research throughout about different intricate details of the field along with the technical information and live demonstration of instruments like polarimeter and HPLC.

PS-I experience: Overall, it was very informative experience. Inspire of being work from home I got an amazing opportunity to learn new things about the field of chemistry. The instructor at the firm were also very helping and always supportive throughout the PS-I wherever we required help. The determination of the team and the industry is quite inspiring and it was a great experience.

Learning outcome: I learnt in grave detail about the separation of enantiomers. The various techniques and mainly the process of chiral chromatography which happens by HPLC. The various components of the process, the requirements of the particular column with the analyte and the type of elluent available and which to be used with what. I also learnt about the types of detectors and why UV for organic compounds.

PS-I station: Suzlon Foundation, Pune - Social Sector, Pune

Student

Name: ANGARAJU A JOGI NARENDRA VARMA(2018A4PS0729H)

Student Write-up

Short summary of work done: The work done by me is documentation and analysis. It involves analysis of information, extracting it into useful form and presenting it. The documentation part consists of editing, formatting and making reports for the company. The reports were generally about what the company has done in the last year.

PS-I experience: I was apprehensive of PS-I because it was remote and online based for the first time. But the practice school division portal, Canvas platform and LMS were quite user friendly and hence the experience was smooth and good. The station's industry experts and the faculty mentor were also friendly in approach and professional

at the same time. The learning experience with the station was also good. Overall, it has been a great experience.

Learning outcome: I learned soft skills such as professional etiquette, communication, behavior and mannerism. The technical skills learned largely involved documentation and a bit of analysis.

Name: MADHAV M ANAND .(2018A8PS0028G)

Student Write-up

Short summary of work done: Preparation of annual (forest initiatives) report and editing of documents.

PS-I experience: Good.

Learning outcome: CSR & sustainability in management.

PS-I station: Yashoda Hospitals, Hyderabad

Student

Name: AARUSHI BHOMIA .(2018A5PS0720H)

Student Write-up

Short summary of work done: Lab consumption and supply chain management systems designing.

PS-I experience: I gained knowledge on how supply chain of a hospital works, with the help of my team developed a functional supply chain management system.

Learning outcome: Team work, working on time, real world problems, first hand experience of professional world.

Name: NISHTHA CHITKARA .(2018A5PS0980P)

Student Write-up

Short summary of work done: My project was to develop a system to assess test reports of patients and indicate abnormality if found. The whole purpose is to bypass consultation time which used to take complete day for patients to wait for their turn and mostly the test results used to come out normal. To cut short this process, independent systems which is kiosk like system is being developed. My task was to look into data and all the test packages provided by yashodha hospital and systematically prepare excel sheets with all tests along with their standard values. Standard values were assigned, keeping in mind, deviation in values with respect to age and genders. 4 rounds of data preprocessing was done to generalize the data completely for code to understand and extract values.

PS-I experience: It was a great learning experience along with exposure of outside world.

Learning outcome: Working on a project, I learnt punctuality, professionalism and team work.

Name: KOUNDINYA KUPPA .(2018A7PS0283P)

Student Write-up

Short summary of work done: Our project is to work upon the development of app which connects patients and doctors from remote location through video consultation and file sharing. The app also enables the user to book an appointment.

PS-I experience: The experience is good. Since, the station is a hospital, there isn't much technical support they could provide. So, we have to learn everything ourselves and with the help of modules uploaded in canvas.

Learning outcome: I learnt the basic front end and the back end in app development and could build professional communication skills too.

Name: TANISHK VIJAY .(2018B1A10585P)

Student Write-up

Short summary of work done: Developed a telemedicine video consultation app with reports and diagnostic integration.

PS-I experience: No technical support from the hospitals was given to us, so had to learn everything by ourselves from scratch which improved the learning outcome.

Learning outcome: Learned app development using Android studio.

Name: MADABHUSHANI SRIVIBHAV .(2018B5A31061H)

Student Write-up

Short summary of work done: Automating the test report analysis.

PS-I experience: Good.

Learning outcome: How a project is implemented.

Name: SHUBHAM ARORA .(2018B5A80631G)

Student Write-up

Short summary of work done: we developed a system which will bypass the consultation process for those whose reports fall under the 'no problem' zone. We developed a separate independent system (Kiosk) which will predict the condition of the patient by analysing the test results using a code and convey to the user whether there is any necessity for a consultant's opinion.

PS-I experience: Improved my communications skills, technical skills, attention to detail, other soft skills. It was a good experience overall.

Learning outcome: I learnt about various front-end development programming languages and their implementation. Also, gained knowledge about how reports are analysed in a hospital. Overall, it was great learning experience.
